

WORKWEAR • UNIFORM • SAFETY FOOTWEAR • PERSONAL PROTECTIVE EQUIPMENT

Contents of the catalogue



Company Information



Corporate Identity Clothing and Logo application



Workwear leasing



Business Class Corporate Clothing



Uniform



Aviation Clothing



Signal Workwear



Summer Workwear



Winter Workwear



Flame Resistant Clothing



Anti-Static Clothing



Chemical Protective Clothing



Chain Saw Protective Clothing



Waterproof Wear



Knitted Wear



Headwear



Protective Footwear



Respiratory Protectors



Emergency Escape Masks and Heat Accumulating Mask



3M™ Speedglas™ Safety Products for Welders



3M[™] Jupiter[™] Powered Air Purifying Respirator



Eye Protectors



Hearing Protectors



Head Protectors



Aprons, Sleeve-protectors, Shoe covers



Fall Protection Equipment for Work at Height



Hand Protectors



Skin Protectors



Anti-skid materials 3M™ Safety-Walk™



Plum Eye Wash



Accident Prevention, Workers' Protection Signs and Magazines



First Aid Kits



Repellents



Household Goods



Subject Index



Supplemental information







Dear clients and partners!

In April 2012 our company is 20 years old and we are happy to present our new anniversary catalogue of special work wear, protective footwear and PPE items.

All our work is aimed at offering you qualitative complex solutions in the field of workmen's protection.

Today workmen's protection is not just concern for health and protection against occupational hazard, but also a means of labour productivity development and staff loyalty building.

This is why every year we offer you new models of work wear and footwear designed in accordance with your wishes, modify and improve existing models, expand the range of modern protective equipment manufactured by world leading companies. Popov Andrey S.
 General Manager of "Technoavia" Vice-President of "SIZ" Association

Maslova Galina L. Sales Director of "Technoavia"

High quality of our products, innovation decisions used in productions, care of customers and responsiveness to customers inquiries are our working priorities.

Every year our production capacity increases, thus today more than 3,3 mln articles of work wear and 800000 pairs of protective footwear are manufactured yearly under "Technoavia" 's trademark. All our products are certified to conform to the state standards and meet industrial safety requirements.

Our production capabilities include 8 clothing factories and 1 shoe factory equipped with the most modern equipment. Clothing factories use high-production stitching machines manufactured by Juki (Japan), Assyst CAD software for pattern and layout construction. Yoshkar-Ola shoe factory is equipped with three German-made Desma injection-molding machines. All this combined with professionalism of the staff gives us wide possibilities for new developments.

We invest a lot into modernization of production and training of personnel to be able to offer high quality products and services to our customers. We are always in search of something new, whether a new collection of work wear and footwear or store

For 20 years now we have been working for you

and office management system. Our main potential and pride is people. Today "Technoavia" staff counts 2000 employees and many of them have been working for the company for more than 15 years. Regular training on the basis of our resource centre enables the employees to be well informed about recent trends in labour protection and safety. They share their knowledge and experience with you to jointly provide safe conditions of labour at Russian enterprises.

We are entrusted with the safety of both big federal companies and medium-scale and small-scale business companies as well as retail customers. All our customers are offered broad spectrum of services such as production of custom-tailored garments, corporate identity design, application of logo, consultations on labour protection and lease of special protective clothing. For us this is not only the quality of our products that matters but also the service package for customers, aimed at long-term relationship. You can buy our products and receive a full spectrum of services both in our central office, in Moscow stores or in any of the 68 branches.

"Technoavia" is an official distributor of the world's leading manufacturers of personal protection equipment:



Please visit our central sales office located at 21/1, V.Petushkova Street, Moscow.

















Central office:

V.Petushkova str., 21/1, Moscow 125476, Russia Tel.: (495) 787-90-30, (495) 948-86-02/03 Fax: (495) 787-74-96,

(495) 948-87-26 e-mail: inform@technoavia.ru

www.technoavia.ru

Wholesale and retail in Moscow:

"Skhodnenskaja" metro station, V.Petushkova street

V.Petushkova str., 7, Moscow 125476, Russia Tel.: (495) 787-51-02

"Aeroport" metro station, Krasnoarmeiskaya street

Krasnoarmeiskaya str., 12, Moscow 125167, Russia Tel.: (495) 614-22-78, (495) 613-41-22

"Vykhino" metro station, Julebino

Generala Kuznetsova str., 12, Moscow 109153, Russia Tel.: (495) 787-90-34, 8-499-742-16-63, 8-499-742-16-64, Fax: (495) 787-90-34

"Tsaritsyno" metro station, Bakinskaya streetBakinskaya str., 13,

Moscow 115516, Russia Tel.: (495) 787-52-06, 8-499-725-74-82 Fax: 8-499-725-74-86 E-mail: tsm@technoavia.ru

"Technoavia" branch offices and regional representatives:

Abakan

Askizskaya str., 146 Tel.: (3902) 35-59-92 abakan@krsk.technoavia.ru

Angarsk

Mira str., 18 Tel.: (3955) 52-15-15 angarsk@technoavia.ru

Arkhangelsk

Sadovaya str., 23 Tel.: (8182) 65-66-10 arhangelsk@technoavia.ru

Blagoveschensk

Amurskaya str., 23 Tel.: (4162) 52-31-10 blagoveshensk@technoavia.ru

Bratsk

Yubileynaya str., 55B Tel.: (3953) 36-60-60 bratsk@technoavia.ru

Velikiye Luki

Novoslobodskaya naberejnaya, 10/1 Tel.: (81153) 7-22-89 vluki@technoavia.ru

Veliky Novgorod

Oktyabrskaya str., 8A Tel./Fax: (8162) 79-72-37 novgorod@technoavia.ru

Vladivostok

Okeanskij prospect, 133 Tel.: (423) 261-18-86 vladivostok@technoavia.ru

Vladimir

Dvoryanskaya str., 27A, building 17 Tel.: (4922) 44-64-45 vladimir@technoavia.ru

Volgograd

Prospect Zhukova, 149 Dzerzhinsky District Tel.: (8442) 26-50-36 volgograd@technoavia.ru

Engels Boulevard, 15A Tel.: (8442) 67-15-72 krasn@volgograd.technoavia.ru

Mendeleeva str., 101 Krasnoarmeisky district Tel.: (8442) 72-95-38 sales@volgograd.technoavia.ru

Volgodonsk

Velikoy Pobedy Boulevard, 38 Tel./Fax: (8639) 24-42-55 volgodonsk@technoavia.ru

Volgskiy

Prospect Lenina, 34 Tel.: (8443) 31-52-64 Fax: (8443) 31-52-65 volga@volgograd.technoavia.ru

Voronezh

60 Armii str., 27 Tel.: (473) 200-62-07 Fax: (473) 269-54-43 voronezh@technoavia.ru

Vyksa

Romanova str., 34 Tel.: (83177) 4-50-99 vyksa@technoavia.ru

Vyazma

Parizskoy Kommuni str., 13 Tel.: (48131) 2-55-45 magazin@vyazma.technoavia.ru¬

Ekaterinburg

Shyorsa str., 7A Tel.: (343) 251-93-07 ekaterinburg@technoavia.ru

Jeleznogorsk

Lenina str., 25/2 Tel.: (47148) 4-77-71 zkursk@technoavia.ru

Izhevsk

Zimnaya str., 6 Tel.: (3412) 60-15-10 izhevsk@technoavia.ru

Yoshkar-Ola

Proletarskaya str., 33 Tel.: (8362) 46-94-90 yoshkar-ola@technoavia.ru

Irkutsk

Shiryamova str., 10, office 111 Tel.: (3952) 56-05-05 Fax: (3952) 70-20-74 irkutsk@technoavia.ru

Kazan

Dekabristov str., 203 Tel.: (843) 555-66-88 Fax: (843) 555-66-33 kazan@technoavia.ru

Prospect Pobedy, 100 Tel.: (843) 261-15-89

Kaliningrad

Moskovsky prospect, 19 Tel.: (4012) 53-33-30 kaliningrad@technoavia.ru

Kaluga

Proletarskaya str., 165 Tel.: (4842) 79-81-35 kaluga@technoavia.ru

Kamensk-Uralskiy

Parkovaya str., 4
Tel.: (3439) 31-73-73
kamensk-uralsk@technoavia.ru

Kemerovo

Prospect Lenina, 63 Tel.: (3842) 35-54-22 kemerovo@technoavia.ru

Komsomolsk-on-Amur

Prospect Mira, 10 Tel.: (4217) 57-30-97 komsomolsk@technoavia.ru

Krasnodar

Uralskaya str., 128 Tel.: (861) 200-29-22 krasnodar@technoavia.ru

Krasnoyarsk

Malinovskogo str., 27 Tel.: (391) 228-97-00 krasnoyarsk@technoavia.ru

Kurgan

Yastrjembskogo str., 40 Tel./ Fax: (3522) 25-77-23 kurgan@technoavia.ru

Kursk

Energetikov str., 3 Tel.: (4712) 33-15-33 kursk@technoavia.ru K. Libknechta str., 9A

K. Libknechta str., 9A Tel.: (4712) 74-11-74

Lipetsk

Prospect 60-years-of-the-USSR, 2 Tel.: (4742) 39-11-62 Fax: (4742) 41-81-72 lipetsk@technoavia.ru

Luga

Prospect Kirova, 22/1 Tel.: (81372) 4-16-04 Fax: (81372) 4-18-11 luga@technoavia.ru

Murmansk

Domostroitelnaya str., 16/1 Tel.: (8152) 22-80-00 murmansk@technoavia.ru



"Technoavia" branch offices and regional representatives:

Nabereznie Chelny

Prospect Sh. Usmanova, 14/22A Tel.: (8552) 35-33-13 nchelny@technoavia.ru

Nerungri

Prospect Lenina, 19 Tel.: (41147) 3-35-90 nerungri@technoavia.ru

Nizhnevartovsk

Industrialnaya street, 75, b.5 Tel./ Fax: (3466) 40-60-80 ugra@technoavia.ru

Nizhny Novgorod

Kirovskaya str., 14A Tel.: (831) 250-91-85 Fax: (831) 250-91-86 nnovgorod@technoavia.ru

Nizniy Tagil

Prospect Stroiteley, 27 Tel.: (3435) 421-124 tagil@technoavia.ru

Novokuznetsk

Smirnova str., 3 Tel.: (3843) 37-76-11 novokuznetck@technoavia.ru

Lisy Chaikinoi str., 2A/11 Tel.: (3843) 99-10-75 Fax: (3843) 99-10-76

Novosibirsk

Vesennyaya str., 12A Tel.: (383) 226-17-37 novosibirsk@technoavia.ru

Noyabrsk

XI panel, Industrial Area "Peley" Tel.: (3496) 35-45-15 noyabrsk@ugra.technoavia.ru

Omsk

Ordzhonikidze str., 48 Tel.: (3812) 25-22-68 omsk@technoavia.ru

Neftezavodskaya str., 13 Tel.: (3812) 22-50-91

Marshala Jukova str., 76 Tel.: (3812) 51-19-34

70 Years October str., 15 Tel.: (3812) 72-46-21

Perm

Chkalova str., 7 Tel.: (342) 241-29-00 perm@technoavia.ru

Petrozavodsk

Novosulajgorskaya str., 25 Tel.: (8142) 56-96-43 Fax: (8142) 56-99-72 karelia@technoavia.ru

Petropavlovsk-Kamchatsky

Pogranichnaya str., 46 Tel.: (4152) 34-43-10 Fax: (4152) 42-29-36 kamchatka@technoavia.ru

Pskov

Kommunalnaya str., 71B Tel.: (8112) 55-17-26 pskov@technoavia.ru

Raduiniy

4th block, 15A Tel.: (34668) 55-66-5 raduga@urga.technoavia.ru

Rostov-on-Don

Vavilova str., 64 Tel.: (863) 300-68-74 rostov-don@technoavia.ru

Samara

Stara-Zagora str., 130 Tel.: (846) 932-42-72 samara@technoavia.ru

Saint Petersburg

Babuskina str.,19 Tel.: (812) 622-15-60

Kurlyandskaya str., 44 Tel.: (812) 251-99-14 spb@technoavia.ru

Grazhdansky prospect, 36 Tel.: (812) 294-86-20 magazin1@spb.technoavia.ru

Balkanskaya square, 5 Tel.: (812) 495-60-53 magazin2@spb.technoavia.ru

Saransk

Rabochaya str., 70 Tel.: (8342) 24-72-45 Fax: (8342) 24-57-92 saransk@technoavia.ru

Sochi

Donskaya str., 28 Tel.: (8622) 51-01-50 sochi@technoavia.ru

Surgut

Ratsionalizatorov str., 12/1 Tel./ Fax: (3462) 55-58-77 surgut@ugra.technoavia.ru

Syktyvkar

Lenina str., 30 Tel.: (8212) 24-17-44 komi@technoavia.ru

Tomsk

Bolshaya Podgornaya str., 57 Tel.: (3822) 51-68-44 Fax: (3822) 51-68-21 tomsk@technoavia.ru

Tumen

Energetikov str., 42A Tel.: (3452) 55-55-06 Fax: (3452) 36-01-11 tumen@technoavia.ru

Ulan-Ude

Sakhjanovoy str., 9 Tel.: (3012) 43-40-60 ulan-ude@technoavia.ru

Ufa

Salavat Yulaev prospect, 59 Tel.: (347) 292-47-47 ufa@technoavia.ru

Khabarovsk

Vostochnoye Shosse, 14B Tel.: (4212) 27-43-40 khabarovsk@technoavia.ru

Chelyabinsk

Shosse Metallurgov, 5 P/1 Tel.: (351) 729-80-77 chelyabinsk@technoavia.ru

Bratjev Kashirnyh str., 85-A Tel.: (351)795-60-48

Cherepovets

Lenina str., 64 (2nd floor) Tel.: (8202) 51-04-44 cherepovets@technoavia.ru

Chita

Generala Belika str., 10 Tel.: (3022) 400-100 chita@technoavia.ru

Yuzhno-Sakhalinsk

Ukrainskaya str., 37 Tel.: (4242) 77-97-97 sakhalin@technoavia.ru

Yakutsk

P. Alexeeva str., 64 Tel.: (4112) 22-63-34 sakha@technoavia.ru

Yaroslavl

Prospect Tolbuchina, 68 Tel.: (4852) 26-05-62 yaroslavl@technoavia.ru

Vspolinskoye Pole str., 7 Tel.: (4852) 48-64-40

In-house production of workwear

"Technoavia" own production facilities consist of 8 clothing factories equipped with modern highly productive machinery which makes it possible to highly improve protective properties and performance of work wear and shorten production time.

The use of CAD Assyst (Germany) for pattern design and grading in combination with stream mobility helps to save time from the time of ordering until the time of product receipt.

Apparel cutting on the automated cloth-laying system manufactured by Topcutter Bullmer not only reduces the time required for cutting but also increases the fit accuracy which quarantees the high



 Designer at work using the automated design system (CAD) ASSYST

quality of end product.

All sewing operations use Japanese-made JUKI tacking machines for considerable reduction of the time required for this operation and improvement of machine stitch quality. Using JUKI special three needle machine for making leg seams and side seams on trousers as well as outside sleeve seams and underarm seams on jackets ensures strength of seams which gives an up-to-date look to a product.

Four-needle chain-stitch machines provide high quality of such elements as cuffs and elastic waist-band inserts which improves in-use performance of work wear such as uniformity of elastic band tension and its durability.

The use of two-needle machines for sewing parts on provides additional strength of lapping and plain seams.

Weather conditions.

For several years now, we have been successfully using 3M™ reflective tape applied by thermal transport of the part of the part

JUKI automatic barring machines help to reinforce joint places of pockets, flaps, straps and fasteners, making the product look up-to-date.



Automatic cloth-cutting and spreading complex Bullmer at Viazma clothing factory



The work wear is sewn by highly competent seamstresses on Japanese-made Juki sewing machines

In 2011 we purchased heavier South Korean made NAWON machines for sealing of seams on water-proof clothing. This technique guarantees high level of protection against water even under extreme weather conditions.

For several years now, we have been successfully using 3M™ reflective tape applied by thermal transfer. This technique allows to eliminate cloth puncture by needle which is especially important for leak proofness of waterproof clothing.

In the manufacture of uniform we use Swiss made ASCOLITE button sewing machines preventing unstitching.

In 2011 we purchased new German-made PRYM presses for fastening metal accessories with the view of improving quality of press-stud and eyelet application.

We pay much attention to product quality control on all stages. For example all fabrics supplied are checked on special Rolltex measuring-inspecting machines before going into production.

All clothing factories included into "Technoavia" manufacturing capabilities hold 100% acceptance of fully processed products by quality control service. At warehouses products are selectively inspected by head office quality control service.

Our partners are world leading manufacturers of fabrics and accessories: Klopman (Italy), Carrington (Great Britain), Concordia (Belgium), 3M (USA), YKK (Japan), Barnet (USA), Amann (Germany), Prym (Germany).



 Operator of a highly automated cloth-cutting and spreading complex at work

Our main task is to manufacture maximum comfortable, quality and, not the least, beautiful work wear. Therefore all materials, design and process features for our work wear are strictly specified depending on its function.



Quality control at every stage of production





Own production of protective footwear

"Technoavia" produces footwear at JSC "Yoshkar-Ola shoe factory" which is a part of the company production facilities. The footwear manufactured by the factory includes series made by injection moulded and by slip last shoe construction methods.

Over the last six years we have significantly reequipped the factory with new machines, improved efficiency of the manufacturing process, and raised professional qualification of our employees.

In 2011 we built a new workshop in the factory ter-

New Desma injection molding machine for shoe making

put of modern safety footwear and expand model range. Currently the factory manufactures three series of footwear made by injection moulding method: "Technogard" with steel toe cap (toe impact 200 J), "Neogard" with composite toe cap (toe impact 200 J), new "Neogard light" series with composite toe cap (toe impact 200 J).

New "Neogard light" footwear series developed in 2012 for fuller satisfaction of customers' needs includes models intended for use during autumn and winter period. "Neogard light" series footwear was designed with the application of high-tech materi-

 Pfaff automatic sewing machines for making high quality shoe uppers



Protective footwear made in corporate style



installed at the factory make it possible to manufacture up-to-date protective footwear with molded soles made of polyurethane and sole layings made of thermoplastic polyurethane and nitrile rubber. This footwear provides protection from oil, petroleum products, corrosive mediums and mechanical impacts.

Innovation policy of re-equipment and development of production enables us to produce protective footwear in compliance with the requirements of Russian and European standards. Our company produces up to 800 000 pairs of shoes a year and has an extensive experience in developing customized footwear models for various industries.

For special footwear production we use ther-

protective characteristics of our footwear.

mostable, water repellant leather materials, air-pen-

etrable and breathable lining fabrics, puncture re-

sistant metallic insoles, Keylar® (DuPont) patches,

and special instep patches for protection against impacts. All this helps to significantly improve the

Our production volume ranges from single samples

to lots of several thousand pairs. Long-term coop-

use of colored accessories (threads, laces), with the

eration with large companies allows us to study

footwear requirements and meet the corporate

style shoes needs of our customers. Thus, the footwear can be made in various colors, with the

customer's logo.



 "Neogard light", new series of protective footwear with composite toe cap

ritory in which we installed a new (the third altogether) shoe making injection molding machine manufactured by Desma (Germany). The start-up of this new machine will enable us to rise the out-

als making it possible to reduce shoe weight, the shoe-last model provides for greater comfort in wearing.

For working the process of protective footwear making and increase of labour productivity in 2011 the factory was equipped with modern automatic sewing machines manufactured by Pfaff (Germany) enabling us to manufacture more high build quality uppers with minimum employment size. We have also introduced into production cutting and lasting machines manufactured by Schoen (Germany), sewing and upper making areas were reinforced by sewing machines manufactured by Duerkopp-Adler (Germany).

High-production Desma injection molding machines



The grand opening of a new workshop and start-up of a new Desma injection molding machine at Yoshkar-Ola on November 15, 2011

Warehouse complex

Our own warehouse complex is located in immediate proximity to the central office and close to Moscow Ring Road (MKAD). This makes registration procedure considerably easier as well as provides convenient access ways from MKAD for heavy vehicles.

The complex is equipped with efficient handling machinery and is intended for heavy freight flow handling. Thus during 2011 we shipped 6,5 mln sets of working clothes, more than 1,5 pairs of shoes and 28 mln units of personal protection equipment to our customers.

In late 2011 a new warehouse building with an area of 6870 m² was brought into production and now the area of warehouse complex totals nearly 9000 m². New building and land improvement are to allow us to increase the transport capacity three times and to provide additional storage space and shipping zone.

Efficient cooperation with carrier companies enables us to effectively ship and deliver products to 75 cities of Russia.

Each "Technovia" branch has a full assortment of our product in stock.





Delivery arrangement

Our logistics department infrastructure includes own motor transport park which enables us to arrange delivery as quickly as possible. The customers get an opportunity to receive required product in various regions of our country.



New kind of service! COD delivery of goods

Legal entities and individual businessmen located in Moscow and Moscow region can purchase the goods with delivery to the enterprise included and pay on the spot when delivered. For more detailed instruction on ordering see our website www.technoavia.ru.

Convenient and quick! No traffic jams – no time wasted!

Consulting services for labour protection issues

Since 2005 "Methodical centre for development and introduction of high-performance personal protection equipment" has been working on the basis of our company. The centre is specializ-



ing in analytical projects and consulting in the field of labour protection.

Main directions of Methodical centre's work

- Assistance to enterprises in the appropriate selection and effective use of personal protection equipment, its storage and maintenance as well as calculation cost efficiency of using modern personal protection equipment.
- Generalization of the best foreign practices and extending them to Russian enterprises.
- Study of Russian companies' needs for new protection equipment subject to changing labour conditions. For this purpose diplomaed specialist visit manufacturing entities, examine working conditions and communicate with workers using PPE. As a result of this work new models of work wear, footwear and PPE are developed subject to customers' wishes.
- Testing of new fabrics, materials and thermal insulating elements for work wear and footwear production.
- Holding training seminars, both on the basis of our training centre (a well-equipped 50-seat lecture hall is at your service) and on the customer's site.
- Inviting specialists on labour protection for participation in labour protection activities held by federal legislative and executive authority and governing bodies.
- Our customers show growing interest to such service as development of corporate work wear catalogues. Catalogs can be produced in print or





electronic versions.

The experts of the centre work both with enterprises in Moscow and in various regions of Russia. Vast experience, professional knowledge and regular dialogue with customers ensures quality and efficient work.

New kind of service! On-line consultant

For improving the quality and efficiency of customer servicing we have started On-line consultant service on our website. Now you can ask any question interested for you real-time and receive a prompt and competent reply. We are always available.



On-line consultant



Ask the question





Corporate Identity Clothing

If you need to develop a corporate style of clothing, our professional designers will help you to create a unique style of clothing for your employees taking into account all your preferences concerning the design features of clothing, materials and colors. If

you have already created your corporate identity, we are ready to manufacture clothes for you on request. It could be clothes sewn in accordance with your technical specifications or based on our styles from the catalog, but in your corporate colors.

Please note that if you like a model that can not be used in your climate zone, we can manufacture this product with adequate insulation materials to provide the required level of thermal protection.

How it works:

The experts visit the company to collect nformation on the details and specifics of working conditions.

2

Design of clothing sketches and sending them to a customer for approval



Workwear pilot-line production

4

Providing samples of clothes on wear test



Preparation of paperwork



Production of corporate workwear lot

We guarantee that you will receive high-quality protective clothing, which is pleasant and comfortable to wear!



Today many companies have their own corporate style, which is expressed through combination of colors and other brand identity elements, but the most important element is company's logo.

We offer logo application on any product type – from clothing and knitwear to helmets – using high quality Japanese equipment.

Logo is applied using the heat transfer printing method. Heat press is used to apply an image onto an imprintable product.

Logo can be applied on summer and winter clothes.

The optimum combination of temperature and pressure insures successful logo application without any deformation of fabrics and insulation.

Possible places of application:

- jacket back / chest / sleeve
- semi-overall chest pocket
- cap front







Embroidery can be done as a chevron with further sewing it on the product, or directly on the product in the process of cutting. Clothes with embroidery can be washed and dry cleaned, the thread color is durable and won't fade. Embroidery can be applied onto textile and knitted products (wool hats, shirts, caps).















Application of corporate symbolics on helmets

Helmet logo is made in a form of a sticker on a transparent film to be applied onto a helmet surface.

Minimum quantity – 1 pc.







Workwear renting

Your advantages

- + All the difficulties of providing the staff with workwear and maintenance are the responsibility of "Technoavia"
- + Presentable appearance of employees
- + Ability to manufacture clothes upon customer request
- + The staff is provided with workwear in accordance with current Russian legislation on occupational safety and sanitation
- + All the workwear expenses can be predicted and planned for 3 years
- + Work optimization of enterprise functional divisions

Workwear-for-rent is made of high-quality fabrics able to sustain numerous washings

You can purchase the models you hold on rent! Please find more information about "Universal" series at page 54 ing is available for Cold-protective jacket "Fort" Jacket "Universal" Made to order model Cold-protective jacket "Winter"

Made to order model

Semi-overall

"Universal"

- Professional workwear care involving the use of modern equipment and highquality detergents and cleaners
- Unified and simple tax accounting
- + Credit payment system
- ♣ Free delivery, including any "Technovia" assortment goods

Service plan

Each worker is assigned several workwear sets with special individually marked indelible labels.

The number of sets depends on the usage conditions and required

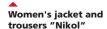
number of changes per week. Each week dirty sets are replaced by clean ones.

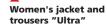


For those who need more frequent replacement of dirty wear we offer the following service plans:

The number of changes (per week)	In wear	On hand			In washing	The total number of sets per one worker	
2	1	+	2	+	2	=	5
3	1	+	3	+	3	=	7
5	1	+	5	+	5	=	11

For workwear rental enquiries please contact us by email arenda@technoavia.ru by phone (495) 948-61-94





Women's warehouse coat "Ultra" Men's warehouse coat "Ultra"





TECHNOAVIA®

BUSINESS CLASS

Business Class Corporate Clothing is designed for:



airport and airline employees



railway employees



sea and river transport workers



bank and office workers



service sector employees

Innovation



Modern design, excellent cut and quality materials are the foundation of this collection. For the production of wear under "Business class" brand name we use modern fabrics with special finishes and imported accessories made by

"Tekhnoavia" presents a line of corpo-

knitwear.

Business
class suits are
made of soft
stretch wool
fabric (produced
in Portugal), pillfree and are able to
restore shape easily
after buckling. Clothing
made of such fabric does
not restrict movements and
ks presentable.

the top

turers

manufac-

Teflon® DuPont fabric protector

coating repels water and oil based spills: drops roll off the garment, leaving no trace. Our wear is easy to care for, it looks presentable and provides comfort throughout the day.

Women's "SlimFit" blouses, made of a flexible mixed fabric, are comfortable to wear and pleasant to the touch. "Milan" jerseys are made of Italian yarn, consisting of 50% high quality Merino wool. Balanced composition of yarn provides excellent performance: clothes are not deformed, do not fade.

Now you can create a set of uniforms in accordance with your needs. There is no need to buy all parts of the suit: you can buy a separate item such as skirt, blouse or jacket. We have a wide range of sizes.

We hope that you will appreciate the quality and elegance of Business class collection.







Combines lined windbreaker and warm jacket with detachable heat insulator with zipper. The length of the warm jacket allows you to put it on a jacket. Buttons on a sleeve bottom (unbuttoned) also provide convenience of carrying warm jacket over a jacket.

Double-slider zip fastener and hidden fastener on pressstuds. Band collar. Detachable hood. Adjustable elastic drawstrings from each side of the waistline. Pockets with flaps and fastener on press-studs. Inner pocket for A4 size documents. Numerous convenient pockets on the lining and insulation. Additional convenience – label for name application. Zipper on the jacket is made by the world's leading company YKK. Each clove of zipper is produced and polished separately; it looks presentable and provides easy opening and closing.

Cover fabric: 100% polyester, membrane-type (10000 mm waterproof rating, water vapor permeability –

10000 g/m²/24h), frost resistant, breathable, wind-proof, water-proof, density 110 g/m².

Lining: polyviscose.

Insulation: Thinsulate® CS150 (1 layer).

Color: dark blue. Size: 92 – 132, Height: 170 – 188.* GOST 25295-2003 For use in climatic zone I**

1.004 Thinsulate YKK' Women's cold-protective coat "Sofia"

Elegant slim line coat. Elastic waistband with buckle closure. Combined insulation: 2 layers non-removable, 1 layer detachable. Can be used as winter or demi-season coat. Double-slider zip fastener with windproof flaps on pressstuds. Set-in pockets on zipper. Inner pocket for documents. Adjustable bottom drawstring. Soft warm removable hood with press studs. Sleeves with knit cuffs.

Cover fabric: 100% polyester, membrane-type (10000 mm waterproof rating, water vapor permeability – 10000 g/m²/24h), frost resistant, breathable, wind-proof,

water-proof, density 100 g/m².

Lining: 100% polyester, antistatic finishing. **Insulation:** Thinsulate® P100 (3 lavers).

Color: dark blue. Size: 80 – 128.

Height: 158/164 - 182/188.*

GOST 25295-2003

For use in climatic zones I, II, III and IV and critical climatic zone**





^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

BUSINESS CLASS

•

Women's Business class suits are made of soft crease resistant fabric with stretch effect.

Teflon® coating protects clothes from dirt and stains



1.123

Women's jacket

Elegant semi-fitted jacket with central button fastening. Soft lines and balanced proportions. English collar. Slit side pockets with flap.

Fabric: half wool (wool – 44%, polyester – 54%, lycra – 2%) made in Portugal, density – 220 g/m².

Color: dark blue. Linning: 100% polyester, antistatic finish.

Size: 80 – 128. Height: 158 – 176.* GOST 25295-2003

1.092

Uniform skirt

Straight lined skirt with back vent, wide belt, hidden zipper.

Fabric: half wool (wool – 44%, polyester – 54%, lycra – 2%) made in Portugal, density – 220 g/m².

Color: dark blue.
Linning: 100% polyester,

antistatic finish.

Size: 80 – 128.

Height: 158 – 176.*

GOST 25295-2003



High quality elegant clothing that is pleasant and comfortable to wear

1.034

Women's long vest

Semi-fitted long jacket with central button fastening. Slit side pockets and breast pocket.

Fabric: half wool (wool – 44%,

polyester – 54%, lycra – 2%) made in Portugal, density – 220 g/m². **Color:** dark blue.

Linning: 100% polyester, antistatic finish.

Size: 80 – 124. Height: 158 – 176.* GOST 25295-2003

1.124

Women's vest

Semi-fitted jacket with central button fastening. Slit side pockets and breast pocket.

Fabric: half wool (wool – 44%, polyester – 54%, lycra – 2%) made in Portugal, density – 220 g/m². Color: dark blue.

Linning: 100% polyester, antistatic finish.

Size: 80 – 128. Height: 158 – 176.* GOST 25295-2003

1.055

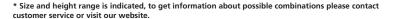
Women's trousers

Straight lined trousers, wide waistband, belt loops.

Fabric: half wool (wool – 44%, polyester – 54%, lycra – 2%) made in Portugal, density – 220 g/m². Color: dark blue.

Linning: 100% polyester, antistatic finish.

Size: 80 – 128. Height: 158 – 176.* GOST 25295-2003





16



Made on request corporate clothing

Corporate Identity is an integral part of the positive image of the company. In our workwear your staff will look elegant and feel confident.

Dressed in uniform emploees feel themselves to be a valued part of the team do their work more effectively and communicate with clients more freely and joyfully.

We design and manufacture corporate identity uniforms to suit all your requirements. Our professional designers will help you to create a unique style of clothing for your employees taking into account all your preferences concerning the design features of clothing, materials and colors.

When creating clothes, we use modern high quality fabrics different in composition, structure and finish. For example, Teflon® fabric coating is intended to protect fabric from water and oil-based stains.

We have a wide range of fabric colors for you to choose from so that you will definitely find a color to match your corporate identity. Our uniforms ensure proper fitting to the wearer as our designs take into account different body types.





Made on request corporate clothing

Various accessories such as corporate style neckerchiefs, scarves and ties will perfectly supplement the image and accentuate the company affiliation. Accessories help not only to unite but also mark workers of different services offering them different color accessories for the uniform of single design.

We will help to realize your ideas by designing accessories in your corporate colors and with your logo.

For application of corporate symbols we use various methods such as silkscreen process, sublimation, embroidery.

We value your time, so we are always ready to come to your factory to show you our clothes and fabrics to make them, to discuss your needs and eventually offer you the optimal solution of the problems in connection with supplying beautiful and quality corporate uniform.



4.092

Shoulder





1.031

ing. Set-in pockets with flaps, breast pocket. Trousers with side pockets, slit pocket on the

ester – 50%) crease resisting, pilling resistant, density - 329 g/m².

Lining: polyester, antistatic finish.

Color: dark blue. Size: 92 - 120. Height: 170 - 188.* GOST 25295-2003

1.036

Men's single-breasted uniform Jacket and trousers

Semi-fitted single-breasted jacket with three button fasteners. Trousers with side pockets, slit pocket on the right back side, zip-fastener. Cover material: half wool (wool – 45%, polyester – 55%) crease resisting, pilling resistant, Teflon® coated – waterproof, oil-resistant, density - 300 g/m².

Lining: polyester, antistatic finish.

Color: dark blue. Size: 92 - 124. Height: 170 - 188.* GOST 25295-2003

1.054

Men's uniform trousers

Trousers with a fold along waistline, side pockets, slit pocket on the right back side, zip-fastener. Cover material: half wool (wool – 45%, polyester - 55%) crease resisting, pilling resistant, Teflon® coated – waterproof, oil-resistant. density – 300 g/m².

1.054

Lining: polyester, antistatic finish.

Color: dark blue. **Size:** 92 – 124. Height: 170 – 188.* GOST 25295-2003

4.094 Men's uniform jumper with patches

Fabric: wool - 30%, polyester - 70%.

Nylon elbow patches prevent extra wear and deformation in the elbow area.

patches

Color: black.

4.094

Jumper with V-neck.

Size: 96 - 128.

Height: 170/176 - 182/188.* GOST R 53147-2008

4.092 Men's uniform jumper

with patches Fabric: wool - 30%,

polyester - 70%.

Nylon elbow patches prevent extra wear and deformation in the elbow area.

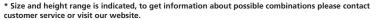
Color: blue.

Jumper with round neck.

Size: 96 - 128.

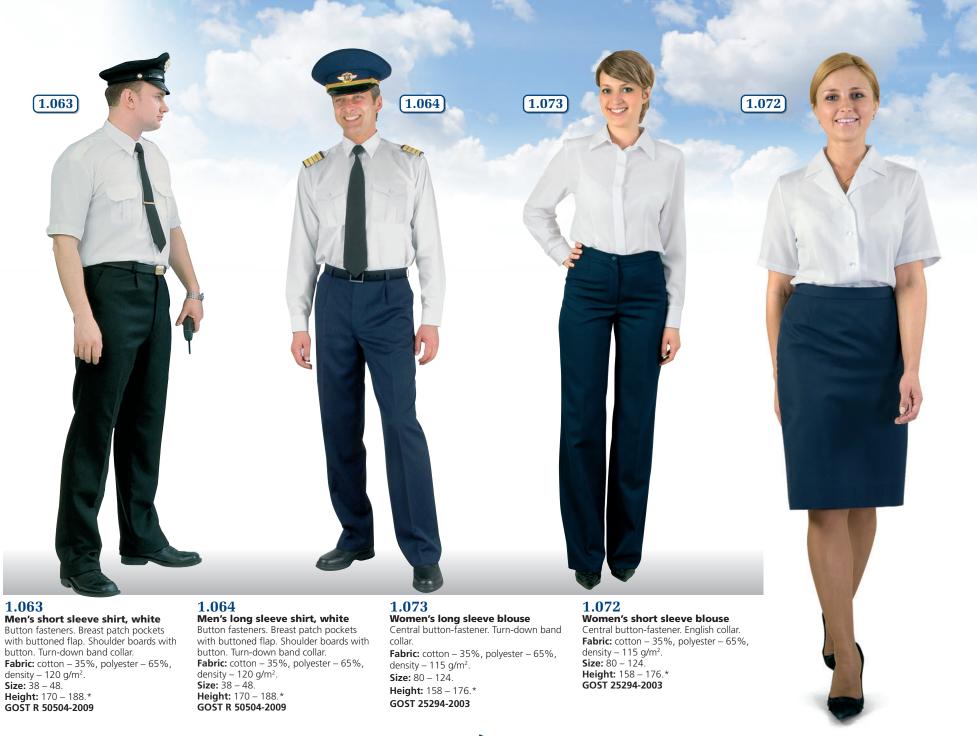
Height: 170/176 - 182/188.* GOST R 53147-2008











^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.





Security guard clothes



2.105

Men's cold-protective jacket "Security"

Central zip-fastener, wind-protective overlap. Comfortable warm pockets, zipped pocket for weapon with cord strap and carbine hook, pass pocket, mobile phone pocket, sleeve pocket, inside patch pockets. Cord adjustable bottom. Halfwoolen cuffs inside, shoulder boards with press stud. Detachable cold-protective hood, collar made of artificial fur.

Cover fabric: nylon – 100% – polyurethane coated, waterproof, density -150 a/m^2 .

Insulation: "Thermafiber", density 150 g/m², 2 layers. **Lining:** 100% polyester.

Color: black.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

2.104

Men's cold-protective trousers "Winter"

Trousers with high adjustable waistband, pockets with zipper. Adjustable bottom with zipper, patches.

Fabric: nylon – 100% – polyurethane coated, waterproof, density - 150 g/m².

Insulation: "Thermafiber", density – 100 g/m², 2 layers.

Lining: 100% polyester. Color: black.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011 Second level of thermal protection, for use in climatic zones I, II, III**

2.106

Men's cold-protective jacket "Security"

Central zip-fastener, wind-protective overlap. Comfortable warm pockets, zipped pocket for weapon with cord strap and carbine hook, pass pocket, mobile phone pocket, sleeve pocket, inside patch pockets. Cord adjustable bottom. Halfwoolen cuffs inside, shoulder boards with press stud. Detachable cold-protective hood, collar made of artificial fur.

Cover fabric: polyester - 100% - polyurethane coated, waterproof, density - 150 g/m².

Insulation: "Thermafiber", density – 150 g/m², 2 layers. Color: camouflage grey.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

2.103

Men's cold-protective trousers "Security"

Trousers with high adjustable waistband, pockets with zipper. Adjustable bottom with zipper,

Fabric: polyester – 100% – polyurethane coated, waterproof, wind-proof, density – 150 g/m². Insulation: "Thermafiber", density – 100 g/m², 2 layers.

Lining: 100% polyester. Color: camouflage grey. Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

^{*} Size and height range is indicated, to get information about possible combinations please contact

^{**} See the climatic zones outlay at the end of the catalogue.

customer service or visit our website.

Security guard clothes



2.100 POLARTEC

Men's cold-protective jacket "Smart"

Perfect solution for drivers, security guards, delivery workers and service employees.

Waist belt jacket with strong waterproof zipper and windproof innershell. Slit insulted pockets, zip patch pocket on the left sleeve. Band collar insulated with knitted fabric Polartec®. Elastic cuffs.

Fabric: polyester -100% – polyurethane coated, waterproof, density -110 g/m^2 .

Insulation: "Thermafiber", density 150 g/m², 1 layer. **Lining:** 100% polyester.

Color: black. Size: 88/92 – 128/132.

Height: 170/176 – 182/188.* GOST 25295-2003 For use in climatic zone I**

3.104

Men's summer suit "Security" Jacket and trousers

Jacket with central zipper fastener, shoulder boards. Side set-in pockets, breast patch pockets, pocket for pass, mobile phone. The back is pleated for freedom of movement. Eyelets for the ventilation under sleeves. Cord adjustable bottom. Straight trousers with stitch crease, pockets.

Fabric: polyester -65%, cotton -35%, waterproof, density -250 g/m².

Color: black. **Size:** 88/92 – 128/132. **Height:** 170/176 – 182/188.*

GOST 27575-87

3.110 Men's summer suit

"Security" Jacket and trousers

Fabric: polyester – 65%, cotton – 35%, waterproof, density – 210 g/m². Color: camouflage grey. Size: 88/92 – 128/132. Height: 158/164 – 182/188.*

GOST 27575-87

1.067 Men's long sleeve shirt "Okhrannik"

Button-fasteners. Breast patch pockets with buttoned flap. Shoulder boards with button. Turn-down band collar.

Fabric: cotton – 35%, polyester – 65%,

density – 130 g/m². **Color:** light blue with dark blue trimming.

Size: 38 – 48. Height: 170 – 188.* GOST R 50504-2009

1.068

Men's short sleeve shirt "Okhrannik"

Button-fasteners. Breast patch pockets with buttoned flap. Shoulder boards with button. Turn-down band collar.

Fabric: cotton – 35%,

polyester – 65%, density – 130 g/m². **Size:** 38 – 48.

Height: 170 – 188.* GOST R 50504-2009

8.018

Baseball cap "Security"

See page 120.



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.





Aviation Clothing

"Technoavia" technologists and designers together with aircraft technicians, aeronautical engineers, air crew personnel of domestic airlines have developed a special collection of uniform and footwear taking into account the specific features of work of each profession in the aviation industry. All the products underwent trial operation and expert examination as to meeting the industry requirements in GosNIIGA (State Research Institute of Civil Aviation).

Our product range includes a full list of clothing, footwear and PPE for air transport employees corresponding to established standards of free issue of workwear, footwear and other PPE. All the items listed in this catalog are always in stock.

Technoavia has a methodical centre for development and introduction of personal protection equipment. The centre's experts offer

assistance in the appropriate selection and effective use of modern PPE, uniforms, special clothing and footwear for industry workers.

They also do items test-

ing and provide recommendations for their proper use. Our experts study the experience of Russian and foreign aviation companies and organizations in the field of modern personal protective equipment selection and use and conduct training seminars and conferences to share their own experience.

"Technoavia" – member of "Aeroport" Association

"Technoavia" goods are recommended for use in aviation industry by the specially authorized body in the field of civil aviation. The company is certified as aviation equipment supplier, the equipment could be delivered on board.





Guarantee of conformity to industry safety requirements



vent zipper damage. Breast set-in pockets with metallic zipper and side set-in pockets. Woolen cuff sleeve. Pockets and ends of sleeves contain synthetic braid to prevent fraying.

Cover material: high-quality genuine leather.

Insulation: detachable, genuine sheepskin. Fur collar.

adjustable trousers bottom. Upper part made of kersey with length adjusting elastic

Cover material: genuine leather.

Lining: flannel. **Size:** 96 – 124. Height: 170 – 188.* TU 8573-004-01132732-96

Jacket with detachable lining. Metal zip fastener. Breast set-in pockets with metallic zipper and side set-in pockets. Woolen cuff sleeve.

Cover material: high-quality genuine leather.

Lining: viscose.

Insulation: Tinsulate®, detachable.

Size: 96 – 128. Height: 170 - 188.* TU 8573-004-01132732-96

Lining: viscose.

Size: 96 – 128. Height: 170 - 188.*

TU 8573-004-01132732-96



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.





^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.





Delivery by request

Jacket with combined insulation: 1 layer - stitched, 2 layers - detachable with zipper, jacket can be worn in different weather conditions. Metal zip fastener, windproof flap and press studs. Breast and side (insulated) pockets with zipper. Lining and detachable insulation contain pockets. The pocket construction prevents contact of accessories with equipment and tools. Shoulder boards with press stud. Detachable fur collar (genuine sheepskin).

Cover fabric: mixed, water-repellent (polyester – 65%, cotton – 35%), density -250 g/m^2 .

Insulation: Thinsulate®, 1 layer – stitched, 2 layers – detachable with

Lining: 100% polyester + windproof fabric.

Color: blue.

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II III, IV and critical climatic zone**



2.094 Thinsulate Thinsulate

Men's demi-season flight suit, blue

Coat and semi-overall

Coat with metal zip fastener. Zipper is made of special alloy, works without jamming and damaging, even at very low temperatures (-50°C), special rivets to prevent zipper damage. Breast set-in zipped pockets and side set-in pockets. Woolen cuffs, Windproof lining, Fur collar (genuine sheepskin). Pockets and ends of sleeves contain synthetic braid to

Semi-overall with double slider zipper fastening. Patch pockets with flap, knife pocket. Adjustable bottom.

Cover fabric: mixed, oil- and water-repellent (polyester – 65%, cotton - 35%), density - 250 g/m².

Insulation: Thinsulate® P100, coat – 3 layers, semi-overall – 2 layers. Windproof fabric.

Collar: natural fur (sheepskin).

Size: 92-128. Height: 164-188.*

TU 8572-005-01132732-97

Forth level of thermal protection, for use in climatic zones I, II III, IV

and critical climatic zone**

2.154 Thinsulate

Men's demi-season flight suit, blue

Coat with metal zip fastener. Zipper is made of special alloy, works without jamming and damaging, even at very low temperatures (-50°C), special rivets to prevent zipper damage. Breast set-in zipped pockets and side set-in pockets. Woolen cuffs. Windproof lining. Fur collar (genuine sheepskin). Pockets and ends of sleeves contain synthetic braid to prevent fraying.

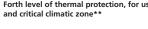
Cover fabric: mixed, oil- and water-repellent (polyester – 65%, cotton -35%), density -250 g/m^2 .

Insulation: Thinsulate® P100, 3 layers. Windproof fabric.

Size: 92 - 128. Height: 170 - 188.*

TU 8572-005-01132732-97

Forth level of thermal protection, for use in climatic zones I, II III, IV







^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



2.118 Thinsulate Thinsulate Thinsulate







Men's cold-protective warning jacket "Saturn" (TA-05)

The jacket complies with Class 2 of warning wear for high visibility.

The jacket with extra detachable heat insulator, can be worn in different weather conditions.

Central double slider zip-fastener and wind-protective overlap. Self-belt along the waistline for additional protection against the wind. Comfortable pockets, pocket for portable radio set, pocket for ID-card Detachable hood. Sleeves with woolen cuffs.

Cover fabric: mixed, water repellent (polyester – 65%, cotton -35%), density -250 g/m^2 .

Background material: "Absolute" – 100% polyester, LT-membrane™ (10000 mm waterproof rating, the water vapor permeability – 8000 g/m²/24h), frost resistant, breathable, wind-proof, water-proof, density – 210 g/m². Complies with EN 471 European standard for high visibility warning wear.

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility. **Insulation:** Thinsulate® P100, 3 layers.

Lining: 100% cotton + windbreak fabric. Color: fluorescent yellow and dark blue.

Size: 88/92 – 128/132. Height: 158/164 - 194/200.*

GÖST R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II III, IV and critical climatic zone**

2.121 Scotchlite

Men's cold-protective all-purpose suit "TA-01"

Jacket and semi-overall

Lined jacket with removable insulation. Metal zipper, wind-protective flap. Self-belt along the waistline provides extra wind protection. Set-in and patch pockets, pocket for portable radio set. Detachable hood. Simulation fur collar. Sleeves with woolen cuffs.

Semi-overall with removable insulation. Central dou-GOST R 12.4.219-99 "High-visibility warning cloth- ble-slider zip fastening. Patch pockets and flapped pockets, knee gussets. Flapped pockets at the back. Adjustable elastic drawstring along the waistline ensures perfect fit.

Cover fabric: mixed, water repellent (polyester – 65%, cotton -35%), density -250 g/m^2 .

Reflective material: 3M[™] Scotchlite[™] (5 cm width) provides maximum visibility.

Insulation: "Thermafin", density 100 g/m²,

jacket - 3 layers, detachable; semi-overall - 2 layers. Lining: polyester.

Size: 88/92 – 128/132

Height: 158/164 - 182/188.* TU 8572-008-01132732-98

Third level of thermal protection, for use in climatic zones I, II,

III. IV**



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



Jacket with metal zipper. Breast pockets with zip fasteners. Eyelets for the ventilation on the back side. The back is pleated for freedom of movement.

Trousers with detachable straps, pockets with zip fasteners. Press studs at the bottom of the trousers to adjust the width.

Fabric: "Serge" waterproof, solid color fabric, cotton - 100%, density - 260 g/m².

Color: blue. Size: 88 - 132. Height: 170 - 188.* TU 8572-010-01132732-99

"A", sand color Fabric: cotton -

100%, waterproof, woven in a Rip Stop grid structure, density - 210 g/m².

TU 8572-010-01132732-99

Jacket with metal zipper. Breast pockets with zip fasteners. Eyelets for the ventilation on the back side. The back is pleated for freedom of movement.

Trousers with detachable straps, pockets with zip fasteners. Press studs at the bottom of the trousers to adjust the width.

Fabric: "Serge" waterproof, cotton – 100%, density – 260 g/m².

Color: camouflage Size: 88 - 132. Height: 170 - 188. TU 8572-010-01132732-99 Trousers with detachable straps, pockets with zip fasteners. Press studs at the bottom of the trousers to adjust the width.

Fabric: "Serge" waterproof, cotton - 100%,

density - 260 g/m². **Size:** 88 – 132. Height: 170 - 188.*

TU 8572-010-01132732-99

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



3.021 technicians Coat and trousers Coat with hidden fastener and button trap preventing buttons from being caught in mechanisms and devices. Patch pockets. Special sleeve construction for comfortable wear. Bands made of reflective material of 2,5 cm width, on the back and foreparts provide excellent night-time visibility. Trousers with kneecaps, pockets, back tool Fabric: "Serge" waterproof, cotton – 100%, density – 250 g/m². Color: dark blue. Size: 88/92 – 128/132. Height: 158/164 – 194/200.* GOST 27575-87 Fabric: "Serge" waterproof, solid color fabric, cotton – 100%, density – 260 g/m². Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility. Color: dark blue. **Size:** 88 – 128. **Height:** 170 – 194.* TU 8572-010-01132732-99

Semi-overall with multipurpose pockets.

Reflective bands for maximum visibility in

dark or low light conditions.





Size: 92 – 132.
 Cold

 Height: 170 – 188.*
 Size

 GOST 12.4.100-80
 Height: TU 8

Color: beige and olive. Size: 88 – 132. Height: 170 – 188.* TU 8572-010-01132732-99

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

1.085



1.027

Leather, fur jacket, "Eagle" ("John Douglas")

Fur turn-down collar turns into a stand-up collar and can be fixed. Adjustable width. Chevrons on the right and left sleeves and on the right and left chest.

Tag "John Douglas for Technoavia" on jackets guarantees the authenticity and uniqueness of the product, developed specially for Russia.

Material: high-quality natural sheepskin, very soft and pleasant to touch. **Color:** leather – dark brown, fur – beige.

Size: 96 - 120.*

GOST5710-85

1.085

1.084

Flexible leather belt "Detroit Flexible twisted braids, dark brown leather

Size: M - XXL.*

GOST 28754-90

Leather belt "Tornado" Dark brown genuine leather with a synthetic insert Size: M - XXL.* GOST 28754-90

1.083

New

The ergonomic shape, protective lining in the ear area, special straps for better adjustment. Warm, comfortable, lightweight. It is a replica of the helmet that was used by bomber crews during the Second World War.

Material: high-quality natural sheepskin, very soft and pleasant to touch.

Production: Italy.

GOST 10325-79

Color: ginger. **Size:** 96 – 128.

("John Douglas")

Height: 176/182 - 188/194.*

soft and pleasant to touch.

Leather jacket "Top gun"

Chevrons on the left sleeve, on the right and

Material: high-quality natural sheepskin, very

left chest. Knitted waistband and cuffs.

GOST 31293-2005

1.030



1.029

Leather jacket "Nevada"

Chevrons on the right sleeve and on the left

chest. Pocket with flap on the left sleeve. Knit-

Material: high-quality natural sheepskin, very

("John Douglas")

ted waistband and cuffs.

Color: dark brown.

GOST 31293-2005

Size: 96 - 128.

soft and pleasant to touch.

Height: 176/182 - 188/194.*





Leather winter helmet "John Douglas"

Designed for flights and everyday wear.

Color: leather – dark brown, fur – beige.

Size: 57 - 62.*





Signal workwear

Employees of airport services, road services, housing maintenance and utilities, construction workers, employees of railways and the oil and gas industry are often working outdoors in the rain, in poor visibility conditions, so they all are at risk and need special protection against accidents that occur due to poor visibility.

In accordance with GOST R
12.4.219-99 signal clothing is
categorized into levels of protection depending on the area of
background material and
amount of reflective elements.

GOST 12.4.219-99 "High visibility workwear" specifies minimum amounts of retroreflective materials for items used to enhance the visibility and safety of workers.

The selection of appropriate class of garment should be made in accordance with "Typical rules of free issue of certified special signal increased visibility clothing", working conditions and risk assessment. The purpose of signal clothes is to reduce the risk of injury during production near moving vehicles in low visibility conditions.

Signal clothing is designed to provide good visibility; it is made of fluorescent color fabrics and contains reflective tapes.

Choose quality and certified warning wear to provide safe and comfortable working conditions for your employees.





The suit complies with Class 3 of warning wear for high visibility.

The jacket with zip-fastener. Zip-off sleeves quickly convert jacket to vest

making it possible to work in hot weather. Numerous pockets: for docu-

around moving machinery. Trousers with elasticized cord belt, inner name

Complies with EN 471 European standard for high visibility warning wear. **Reflective material:** 3M™ Scotchlite™ reflective tape (5 cm width) pro-

ments, pass, mobile phone, pen. Cuffs for safe work while working

label, pockets. Trousers with knee caps with slots for shock absorbing pads. The most soiling-prone parts are made of dark material. **Fabric:** "Vigour nega" high cotton content fabric with NegaStat® yarn, anti-static, oil- and water repellent (cotton – 67%, polyester – 33%),

Color: fluorescent orange and blue.

GOST R 12.4.219-99 "High-visibility warning clothing."

Size: 88/92 – 128/132.

GOST 27575-87

Height: 170/176 - 182/188.*

Jacket and trousers

vides maximum visibility.

density - 240 g/m². Manufactured in EU.





Men's summer jacket "Operator Hi-Vis" made from anti-static fabric

The jacket complies with Class 2 of warning wear for high visibility.

The jacket with zip-fastener. Numerous pockets: for documents, pass, mobile phone, pen. Jacket sleeves with gussets to prevent rubbing. Mesh ventilation under arms (2 layers of mesh). Inner name label. The most soiling-prone parts are made of dark blue

Cover fabric: "Sojuz Antistat" fabric with NegaStat® yarn, antistatic, oil- and water repellent (cotton - 70%, polyester - 30%), density - 250g/m²

Color: dark blue.

Background material: "Vigour nega" high cotton content fabric with NegaStat® yarn, anti-static, oil- and water repellent (cotton - 67%, polyester - 33%), density - 240 g/m². Manufactured in EU. Complies with EN 471 European standard for high visibility warning wear.

Color: fluorescent yellow. **Size:** 88/92 – 128/132. Height: 158/164 - 194/200.*

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

GOST R 12.4.219-99 "High-visibility warning clothing." GOST 27575-87 "Men's suits for general industrial contamination and mechanical action protection."

"Operator" semi-overall. Men's summer trousers

tor Hi-Vis" jacket with

"Operator" trousers or

"Operator" (3.009 and 3.129) See page 53.

Men's summer semioverall "Operator" (3.126)See page 53.

Baseball cap

"Operator" (8.022) See page 120.

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.





The jacket with concealed button fastener, with button traps. Patch and side pockets, pocket for mobile. Cuffs for safe work while working around moving machinery. Back vent holes. Semi-overall with side pockets, breast patch pocket, back pockets, tool pocket. Jacket sleeves and trousers with gussets to prevent rubbing. The most soiling-prone parts are of dark color. Cover fabric: mixed, water repellent (cotton -50%, polyester - 50%), complies with EN 471

European standard for high visibility warning

wear for high visibility.

wear, density - 210 g/m².

Reflective material: 3M™ Scotchlite™ reflective

Height: 158/164 - 182/188.*

GOST R 12.4.219-99 "High-visibility warning clothing."

GOST 27575-87

tape (5 cm width) provides maximum visibility. Color: fluorescent orange and dark blue. **Size:** 88/92 – 128/132.

> ing-prone parts are of dark color. Reflective strips over the shoulders and on the hood for increased visibility from above (especially important for employees of airport technical services).

Men's cold-protective signal suit "Maghistral"

The suit complies with Class 3 of warning wear for

belt along the waistline provides additional protection

against the wind. Detachable zipped hood. Sleeves with

The jacket with central double slider zip-fastener and wind-

protective overlap. Patch breast pockets and side set-in pock-

ets. Band collar insulated with Polartec® knitted fabric. Self-

Trousers with insulated shell and side pockets. The most soil-

Detachable zipped hood

Trousers with in

2.117 No Scotchlite Reflective Material POLARTEC

cuffs

Cover fabric: mixed, water repellent (cotton – 50%, polyester – 50%) complies with EN 471 European standard for

high visibility warning wear, density - 210 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Insulation: "Thermafiber", density – 150 g/m², 2 layers.

Lining: 100% polyester.

Color: fluorescent orange and dark blue. Size: 88/92 - 128/132.

Height: 170/176 - 182/188.*

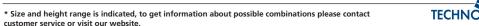
2.117

Self-belt along the waistling for additional protection

against the wind

GOST R 12.4.219-99 "High-visibility warning clothing." GOST R 12.4.236-2007, GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II and



^{**} See the climatic zones outlay at the end of the catalogue.



Jacket and trousers

high visibility.

woolen cuffs.







Men's cold-protective signal jacket "Saturn" (TA-05)

The jacket complies with Class 2 of warning wear for high visibility.

The jacket with extra detachable heat insulator. Central double slider zip-fastener and wind-protective overlap. Collar is insulated with Polartec® knitted fabric. Self-belt along the waistline for additional protection against the wind. Comfortable pockets, pocket for portable radio set, pocket for ID-card. Detachable hood. Sleeves with woolen cuffs.

Cover fabric: mixed, water repellent (polyester - 65%,

cotton – 35%), density – 250 g/m². **Background material:** "Absolute" – 100% polyester, membrane type (10000 mm waterproof rating, the water vapor permeability – 8000 g/m²/24h), frost resistant, breathable, wind-proof, water-proof, (LT-membrane™), density – 210 g/m².

Complies with EN 471 European standard for high visibility warning wear.

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Insulation: Thinsulate® P100, 3 layers. Lining: 100% cotton + windbreak fabric. Color: fluorescent yellow and dark blue. Size: 88/92 – 128/132.

Height: 158/164 - 194/200*

GOST R 12.4.219-99 "High-visibility warning clothing."

GOST R 12.4.236-2007, GOST R 12.4.236-2011 Forth level of thermal protection, for use in climatic zones I,

II III, IV and critical climatic zone**

www.technoavia.ru

Men's cold-protective semi-overall "Jupiter" (TA-04)

Semi-overall with central double-slider zip fastening. Special design provides freedom of movement. Elastic tape on the back ensures perfect fit. Side pockets and patch pockets, tool pocket.

Cover fabric: mixed, oil- and water-repellent (polyester -65%, cotton – 35%), density – 250 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Thermal insulator: Thinsulate® P100, 2 layers.

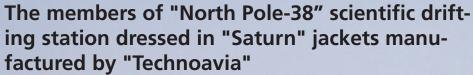
Lining: 100% cotton. **Size:** 88/92 – 128/132. Height: 158/164 - 194/200.* TU 8572-008-01132732-98

Forth level of thermal protection, for use in climatic zones I, II, III, IV and critical climatic zone**

customer service or visit our website.

* Size and height range is indicated, to get information about possible combinations please contact

^{**} See the climatic zones outlay at the end of the catalogue.



The jacket insures protection against strong winds and frost; it is waterproof and breathable at the same time. Fluorescent yellow fabric and reflective strips enhance visibility in low-light and night time conditions.

Special design of the jacket provides maximum comfort and optimum heat retention. Thinsulate® multi-layer insulation provides greater heat insulating effect due to the air gap between layers.



Class-3 signal high-visibility work wear



Jacket and semi-overall

The suit complies with Class 3 of warning wear for high visibility. The jacket with central double slider zip-fastener and wind-protective overlap. Velcro straps for individual width adjustment. Comfortable pockets. Detachable hood. Band collar insulated with soft Polartec® knitted fabric. Sleeves with woolen cuffs. Semi-overall with central double slider zip-fastener and pockets. The most soiling-prone parts are of dark color. Cover fabric: outerwear, 100% nylon, membrane type (10000 mm waterproof rating, the water vapor permeability – 8000 g/m²/24h), breathable, wind-proof, (LT-membrane™), density – 210 g/m².

Background material: "Absolute" – 100% polyester, membrane type (10000 mm waterproof rating, the water vapor permeability – 8000 g/m²/24h), cold resistant, breathable, wind-proof, water-proof (LTmembrane™), density 210 g/m².

Complies with EN 471 European standard for high visibility warning wear.

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility.

Insulation: Thinsulate® P100, 3 layers – jacket, 2 layers – semi-overall. Color: fluorescent orange and dark blue.

Size: 88/92 – 128/132.

Height: 158/164 - 182/188.*

GOST R 12.4.219-99 "High-visibility warning clothing."

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II III, IV critical climatic

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.

Class-3 signal high-visibility work wear

Unique clothing is designed for comfort, protection from rain and increased visib<u>ility!</u>

"Absolute" fabric

Fabric content:

100% polyester, density 210 g/m²

Advantages of fabric:

- Latest Fabric Technology. Complies with the international standards for high visibility warning wear (10000 mm waterproof rating, the water vapor permeability -8000 g/m²/24h)
- Thanks to LT-membrane fabric is breathable, wind-proof, water-proof
- Provides maximum protection from rain, snow, wind
- Does not lose its original quality even after repeated washings
- Retains softness at low temperatures







Men's warning raincoat "Absolute"





3.199 Color: fluorescent yellow, dark blue.

The raincoat complies with Class 3 of warning wear for high visibility.

Special design, water-proof, breathable fabric and taped seams provide maximum water protection. Thermal reflective tape is applied using thermal transfer printing method, fabric is not punctured with a needle. The raincoat has a free size, could be worn on the summer and winter uniform. Vent holes on the back and in the arm pits. Hood with width adjustment. Reflective band on the hood in a form of an arrow for safety and increased visibility from above (especially important for employees of airport technical services). Velcro adjustment strap on the cuffs for protection against water.

Cover fabric: outerwear, 100% nylon, membrane type (10000 mm waterproof rating, the water vapor permeability – 8000 g/m²/24h), breathable, windproof, (LT-membrane™), density – 210 g/m². **Background material:** "Absolute" – 100% poly-

ester, membrane type (10000 mm waterproof rating, the water vapor permeability – 8000 g/m²/24h), cold resistant, breathable, wind-proof, water-proof (LT-membrane™), density – 210 g/m². Complies with EN 471 European standard for high

visibility warning wear. **Reflective material:** 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

3.189 Color: fluorescent orange, dark blue.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST R 12.4.219-99 "High-visibility warning

clothing."

GOST 12.4.134-83 "Men's waterproof raincoats."



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.









Removable Polartec® liner



visibility.

Water-proof, breathable fabric and taped seams provide maximum water protection even during heavy downpours. Thermal reflective tape is applied using thermal transfer printing method; fabric is not punctured with a needle. Removable zip-fastened heat insulating waistcoat. Jacket with central double slider zipfastener and wind-protective overlap. Comfortable pockets. Detachable hood. Cord adjustable bottom.

Cover fabric: outerwear, 100% nylon, membrane type (10000 mm waterproof rating, the water vapor permeability -8000 g/m²/24h), breathable, wind-proof, water-proof, density –

Background material: "Absolute" - 100% polyester, membrane type (10000 mm waterproof rating, the water vapor permeability - 8000 g/m²/24h), cold resistant, breathable, windproof, water-proof (LT-membrane TM), density – 210 g/m². Complies with EN 471 European standard for high visibility warning wear.

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Lining: 100% polyester.

Removable heat insulator: Polartec® (100% polyester). Size: 88/92 - 128/132.

Height: 170/176 - 182/188.*

GOST R 12.4.219-99 "High-visibility warning clothing." GOST 27643-88 "Men's waterproof suits."

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



High-visibility warning waistcoat == 4 "Gabarit-4"

3.244 Color: fluorescent yellow.

3.240 Color: fluorescent orange.

Class-2 High-visibility clothing.

Central Velcro fastener. Piped with wear-resistant gray knitted cord. Fabric: 100% polyester, complies with EN 471 European standard for

high visibility warning wear, density – 110 g/m².

Background material provides high daytime visibility, while light reflective bands provide maximum conspicuity at nighttime and under poor visibility conditions (in bad weather).

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility.

Size: 88/96 - 120/132.*

GOST R 12.4.219-99 "High-visibility warning clothing."

High-visibility warning waistcoat == "Gabarit"

3.243 Color: fluorescent yellow.

3.242 Color: fluorescent orange.

Class-2 High-visibility clothing.

Central Velcro fastener. Side adjustment makes it possible to wear the waistcoat both over summer clothing and over bulky winter clothing.

Fabric: 100% polyester, complies with EN 471 European standard for high visibility warning wear, density - 110 q/m².

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility.

Size: 88/96 - 120/132*

GOST R 12.4.219-99 "High-visibility warning clothing."

3.230 Color: fluorescent orange.

3.232 Color: fluorescent yellow.

Class-2 High-visibility clothing.

Central Velcro fastener, side patch pockets. Piped with wear-resistant gray

Fabric: 100% polyester, density – 150 g/m². **Light reflective material:** 5 cm wide bands. Size: L (96-100) - XXXL (120-124).*

GOST R 12.4.219-99 "High-visibility warning clothing."



A new series of "Bavaria" clothes with creative and comfortable design, fashionable colors



"New Arena"

Production:

Klopman (Italy)



Fabric content:

mixed (cotton – 60%, polyester – 40%), density – 245 g/m²

Advantages of fabric:

- cotton rich, provides extreme comfort
- durable
- outstanding surface appearance
- easy to clean

This certificate confirms that "New Arena" fabric complies with European safety and environmental standards.

3.183 Scotchlite

Men's summer jacket "Bavaria"

Jacket with metal zip-fastener and wind-protective overlap button fixed. Numerous pockets: chest pockets with place for phone and pens, specious lower pockets with slit pocket for small items on the left with D-ring keeper. Barrel cuffs, elbowpads to prevent chafing. Adjustable bottom. Fabric: "New Arena", mixed (cotton − 60%, polyester − 40%), crease-resistant, density − 245 g/m² Production: Klopman (Italy). Color: combination of light and dark brown. Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Size: 88/92 – 128/132. Height: 170/176 – 182/188.* GOST 27574-87

3.184 Scotchitte"

Men's summer semi-overall "Bavaria"

Side button closure, zipped middle seam for convenience. Straps with elastic inserts. Numerous pockets. Knee caps to prevent chafing with slots for shock absorbing pads. Elastic waistband for perfect comfort and fit.

Fabric: "New Arena", mixed (cotton – 60%, polyester – 40%), crease-resistant, density – 245 g/m². Production: Klopman (Italy). Color: combination of light and dark brown. Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Size: 88/92 – 128/132. Height: 158/164 – 182/188.* GOST 27574-87 "Bavaria"



Men's summer trousers

Center front zipper with button closure. Waistband with bolt loops. Numerous pockets. Knee caps to prevent chafing with slots for shock absorbing pads.

Fabric: "New Arena", mixed (cotton – 60%, polyester – 40%), crease-resistant, density – 245 g/m². Production: Klopman (Italy). Color: combination of light and dark

brown. **Reflective material:** 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Size: 88/92 – 128/132. Height: 170/176 – 182/188.* GOST 27574-87



8.010 Baseball cap "Bavaria"

See page 120.

2.205
Men's cold-protective jacket
"Bavaria"

See page 79.

2.206
Men's cold-protective semioverall
"Bavaria"

See page 79.

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



"Chelsea" fabric

Production:

Klopman (Italy)

Fabric content:

mixed (polyester - 65%, cotton - 35%), density - 260 g/m²

Advantages of fabric:

- canvas plaiting
- high strength and long durability (abrasion resistance to 35 000 cycles)
- breathable, comfortable to wear
- color stability (will not fade)
- crease-resistant
- low shrinkage
- stretch



8.023
Baseball cap
"Chelsea" Color: khaki. OST 17-635-87 See page 120.

2.172

Light and warm

2.172 Men's cold-pro-tective jacket "Chelsea"

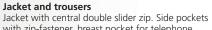
See page 73.

tective pants
"Chelsea"

See page 73.







with zip-fastener, breast pocket for telephone. Sleeves with extra volume for elbow. Breathing eyelets under the sleeves. Jacket has an adjustable bottom. Cuffs with Velcro straps for individual width adjustment.

Trousers with pockets. Gusset in the knee area for freedom of movement. Signal element provided with reflective material for good visibility.

Fabric: "Chelsea", stretch, polyester – 65%, cotton – 35%, density – 260 g/m². Production: Klopman (Italy).

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility. Color: khaki.

Size: 88/92 - 128/132. Height: 158/164 - 182/188.*







Production: Klopman (Italy).

Signal element: 3M™ Scotchlite™ reflective mate-

Color: grey, trimmings – red, black. Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST 27575-87

ton -35%, density -245 g/m^2 . Production: Klopman (Italy).

Signal element: 3M™ Scotchlite™ reflective material.

Color: grey, trimmings – red, black. **Size:** 88/92 – 128/132. Height: 170/176 - 182/188.*

GOST 27575-87

Signal element: 3M™ Scotchlite™ reflective

material Color: grey, trimmings – red, black.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

⁴⁶



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

"City" clothing made of Italian fabric Klopman is designed to provide users with maximum comfort



3.066

Men's jacket "City-Master"

Jacket with zip-fastener and Velcro fastener. The back is pleated for freedom of movement. Numerous pockets. Mobile phone pocket. Sleeves contain elbow-pads to prevent chafing. Adjustable jacket bottom.

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m². Production: Klopman (Italy). Color: cornflower blue, orange. Size: 88/92 – 128/132.

Height: 170/176 - 182/188.*

GOST 27575-87

3.067

GOST 27575-87

Men's summer semi-overall "City-Master"

Double slider zip. Knee caps with slots for shock absorbing pads.Patch and open pockets. **Fabric:** "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m². Production: Klopman (Italy). **Color:** cornflower blue, orange. **Size:** 88/92 – 128/132. **Height:** 170/176 – 194/200.*

3.054

Men's summer jacket "City"

Long jacket with central hidden button-fastener. Numerous pockets. Mobile phone pocket. Barrel cuffs, sleeves contain elbow-pads to prevent chafing. An additional section of material (gusset) in the elbow area improves comfort and freedom of movement. Self-belt along the waistline. Underarm vent holes offer maximum air flow.

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m². Production: Klopman (Italy).

Color: cornflower blue, orange. **Size:** 88/92 – 128/132. **Height:** 158/164 – 182/188.*

GOST 27575-87

3.068

Men's summer semi-overall "City"

Semi-overall with multipurpose pockets, tool pocket. Kneecaps to prevent chafing. Adjustable buckle-fastened straps.

Fabric: "Indestructible", polyester – 65%,

cotton – 35%, density – 245 g/m². Production: Klopman (Italy).

Color: cornflower blue, orange. **Size:** 88/92 – 128/132. **Height:** 170/176 – 194/200.*

⁴⁸

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



3.058

Women's summer jacket "City"

Zip-fastener and Velcro fastener. Multipurpose pockets. Mobile phone pocket. Sleeves contain elbow-pads. An additional section of material (gusset) in the elbow area improves comfort and freedom of movement. Vent holes. Adjustable bottom.

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m². Production: Klopman (Italy).

Color: cornflower blue, lime-green. **Size:** 80/84 – 128/132.

Height: 158/164 – 170/176.*

GOST 27574-87

3.057

Women's summer semi-overall "City"

Semi-overall with knee-caps. Multipurpose pockets.

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m². Production: Klopman (Italy).

Color: cornflower blue, lime-green.

Size: 80/84 – 128/132. **Height:** 158/164 – 170/176.*

GOST 27574-87

3.055

Men's summer trousers "City"

Patch and side pockets, tool pocket, kneecaps to prevent chafing. Waistband with bolt loops.

Fabric: "Indestructible", polyester – 65%,

cotton – 35%, density – 245 g/m². Production: Klopman (Italy).

Color: cornflower blue. **Size:** 88/92 – 128/132. **Height:** 158/164 – 182/188.*

GOŠT 27575-87

3.056

Women's summer trousers "City"

Patch and side pockets, tool pocket, kneecaps to prevent chafing.

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m².

Production: Klopman (Italy). **Color:** cornflower blue, lime-green.

Size: 80/84 – 128/132. Height: 158/164 – 170/176.*

GOŠT 27574-87



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



pose pockets. Mobile phone pocket. Barrel cuffs, elbowpads to prevent chafing. Elastic band on the back for width

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m². Production: Klopman (Italy).

Color: grey, red.

Size: 88/92 - 128/132. Height: 158/164 - 194/200.*

GOST 27575-87

Fabric: "Indestructible", polyester – 65%,

cotton - 35%, density - 245 g/m². Production: Klopman (Italy).

Color: grey, red. **Size:** 88/92 – 128/132. **Height:** 158/164 – 194/200.*

GOST 27575-87

movement. Multipurpose pockets. Mobile phone pocket. Barrel cuffs, elbow-pads to prevent chafing. An additional section of material (gusset) in the elbow area improves comfort and freedom of movement. Vent holes. Adjustable jacket bottom.

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m². Production: Klopman (Italy).

Color: grey, red. **Size:** 88/92 – 128/132. Height: 158/164 - 194/200.*

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



"Indestructible" fabric

Production:

Klopman (Italy)



Fabric content:

mixed (polyester - 65%, cotton - 35%), twill weave, density - 245 g/m²

Advantages of fabric:

- high strength and long durability
- withstands high temperature industrial washing procedures (up to
- color stability (after washing and exposure to sunlight)
- resistance to deformation and shrinkage (shrinkage less than 2%)
- peeling free
- crease-resistant
- · excellent air permeability (comparable 100% cotton, twill) and water absorption
- meets European safety environmental health standards (Oeko-Tex 100)

Knee caps with

slots for shock

service or visit our website.

absorbing pads

Men's summer semi-overall "City-Master"

Double slider zip. Knee caps with slots for shock absorbing pads. Side and open pockets, tool

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m². Production: Klopman (Italy).

Color: grey, red. **Size:** 88/92 – 128/132. **Height:** 158/164 – 194/200.*

GOST 27575-87

3.246 Waistcoat "City"

Central zip-fastener. Multipurpose pockets, tool pockets, holder for instruments, inner pocket for

Fabric: "Indestructible", polyester – 65%, cotton - 35%, density - 245 g/m². Production: Klopman (Italy). Color: grey, red.

Size: 88/92 – 128/132. Height: 170/176 - 182/188.*

GOST 25295-2003

3.302

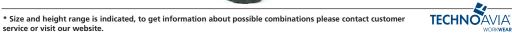
Men's overall "City"

Central hidden button fastener, patch pockets. Mobile phone pocket, pencil holder. Fabric: "Indestructible", polyester – 65%,

cotton -35%, density -245 g/m².

Production: Klopman (Italy). Color: grey, red. **Size:** 88/92 – 128/132. Height: 170/176 - 182/188.*

GOST 12.4.132-83







3.096

Women's summer jacket "City"

Zip-fastener and Velcro fastener. Multipurpose pockets. Mobile phone pocket. Barrel cuffs, elbow-pads to prevent chafing. An additional section of material (gusset) in the elbow area improves comfort and freedom of movement. Adjustable jacket bottom.

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m^2 . Production: Klopman (Italy).

Color: grey, yellow. Size: 80/84 - 128/132. Height: 158/164 - 170/176.*

GOST 27574-87

3.097

Women's summer semi-overall "City"

Overall with multipurpose pockets. Kneecaps to prevent chafing Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m². Production: Klopman (Italy). Color: grey, yellow. **Size:** 80/84 – 128/132.

Height: 158/164 - 170/176.* GOST 27574-87

Men's summer trousers "Citv"

Patch and side pockets, tool pocket, kneecaps. Waistband with bolt loops.

Fabric: "Indestructible", polyester - 65%, cotton - 35%, density - 245 g/m². Production: Klopman (Italy). Color: grey.

Size: 88/92 – 128/132. Height: 158/164 - 194/200.* GOST 27575-87

Women's summer trousers "Citv"

Patch and side pockets, tool pocket, kneecaps. Elasticized trousers belt.

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density - 245 g/m². Production: Klopman (Italy).

Color: grey.

Size: 80/84 – 128/132. Height: 158/164 - 170/176.* GOST 27574-87

⁵²

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

Clothes made of antistatic fabric



"Sojuz Antistat" fabric with antistatic varn NegaStat®

Composition:

cotton - 70%, polyester - 30%, density - 250 g/m²

Advantages of the fabric:

- the static dissipative performance of Nega-Stat® is provided by the unique trilobal conducting core. This yarn is the most advanced mean for protection of workers from the risk of flame or exposure when static electricity is collected at the surface of the workwear
- Nega-Stat® provides optimum antistatic protection in grounded and ungrounded applications
- yarn is a part of the fabric
- yarn retains its properties after
- fabric (cotton 70%, polyester 30%) provides softness, comfort and durability
- oil- and water- repellent coating provides protection from general industrial contamination

3.128 (Nega-Stat' Men's summer coat "Operator"

Size: 88/92 – 128/132.

GOST 27575-87

Height: 158/164 - 194/200.*



Central hidden fastener on buttons. Numerous

pockets. Ventilation holes under arms. Sleeves

Fabric: "Sojuz Antistat", with antistatic varn Ne-

gaStat®, oil-and water-resistant, cotton – 70%.

tape (5 cm width) provides maximum visibility.

Color: blue, trimmings – cornflower blue.

with cuffs, elbow-pads to prevent chafing.

polyester - 30%, density - 250 a/m².

Men's summer coat "Operator"

Fabric: "Premier comfort 250", anti-static, oiland water-resistant fabric with metalized fiber. cotton – 80%, polyester – 19%, anti-static fiber Bikinox (Belgium) - 1%, density - 250 g/m². GOST 27575-87

Reflective material: 3M™ Scotchlite™ reflective





Men's summer trousers "Operator"

Fabric: "Premier comfort 250", anti-static, oiland water-resistant fabric with metalized fiber, cotton - 80%, polyester - 19%, anti-static fiber Bikinox (Belgium) - 1%, density - 250 g/m². GOST 27575-87

3.129 Scotchlite Men's summer trousers "Operator"

Knee caps with slots for shock absorbing pads. Back patch pockets, tool pocket. Elastic waist band.

Nega-Stat®

Fabric: "Sojuz Antistat", with antistatic varn NegaStat®, oil-and water-resistant, cotton – 70%, polyester – 30%, density - 250 g/m²

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Color: blue. Size: 88/92 - 128/132. Height: 158/164 - 194/200.* GOST 27575-87

3.126 (3) Scotchlite Nega-Stat Men's summer semi-overall

"Operator" Semi-overall with pockets. Knee caps

with slots for shock absorbing pads. Elastic waist band.

Fabric: "Sojuz Antistat", with antistatic yarn NegaStat®, oil-and water-resistant, cotton - 70%, polyester - 30%, density – 250 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Color: blue. Size: 88/92 - 128/132. Height: 158/164 - 194/200.* GOŠT 27575-87



8.022 Baseball cap "Operator" See page 120.

3.127

Men's summer antistatic iacket "Operator Hi-Vis"

See page 36.



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



Men's summer suit "Amsterdam" Coat and semi-overall

Coat with hidden zipper. Multipurpose pockets. The back is pleated for freedom of movement. Sleeves contain elbow-pads, cuffs. Eyelets for ventilation. Adjustable jacket bottom. Semi-overall with kneecaps. Numerous pockets, tool pocket.

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245g/m². Klopman (Italy).

Size: 88/92 - 128/132. Height: 158/164 - 182/188.*

GOST 27575-87

Men's summer coat "Universal"

3.024 Color: cornflower blue.

3.026 Color: grey.

3.028 Color: green. Delivery by request.

Central hidden fastener on press-buttons. Patch breast pockets, side pockets. Hidden press-buttons on cuffs. The back is pleated for freedom of movement.

Fabric: "Indestructible", polyester – 65%, cotton – 35%, density - 245 g/m². Klopman (Italy).

Size: 88/92 – 128/132.

Height: 158/164 - 182/188.*

GOST 27575-87

Men's summer semi-overall "Universal"

3.025 Color: cornflower blue.

3.027 Color: grey.

3.032 Color: green. Delivery by

request.

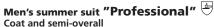
Semi-overall with multipurpose pockets, tool pocket. Adjustable straps. Elastic waistband. Fabric: "Indestructible", polyester – 65%, cotton – 35%, density – 245 g/m². Klopman (Italy). Size: 88/92 - 128/132.

Height: 158/164 - 182/188.*

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

Special sleeve con-





3.071 Color: blue, trimmings – orange.

3.072 Color: cornflower blue, trimmings – orange.

Coat with press fasteners. Numerous pockets. The back is pleated for freedom of movement. Breathing eyelets. Sleeves with cuffs. Semi-overall with kneecaps to prevent chafing. Breast patch pocket with pen holders. Back patch pockets, tool pocket. Elastic waist band. Cover fabric: waterproof fabric, polyester – 65%, cotton – 35%, den-

sity -250 g/m^2 . Size: 88/92 - 128/132. Height: 158/164 - 182/188.*

GOST 27575-87

Men's summer semi-overall "Professional"

3.031 Color: blue, trimmings – orange.

3.033 Color: cornflower blue, trimmings – orange.

Semi-overall with kneecaps to prevent chafing. Breast patch pocket with pen holders. Back patch pockets, tool pocket. Elastic waist band. Cover fabric: waterproof fabric, polyester – 65%, cotton – 35%, density -250 g/m^2 .

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST 27575-87



Men's summer suit "Leader" Coat and semi-overall

Coat with central zip-fastener and flap. The back is pleated for freedom of movement. Special sleeve construction for comfortable wear. Elastic sleeve cuffs.

Semi-overall with numerous pockets. Elastic waistline.

Cover fabric: waterproof fabric, polyester – 65%, cotton – 35%, density $- 250 \text{ g/m}^2$.

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Color: cornflower blue, trimmings – yellow, dark blue.

Size: 88/92 - 128/132. Height: 158/164 - 194/200.*





^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.





^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



TECHNOAVIA

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.





3.085 Scotchlite Reflective Material Men's suit "Leto" Jacket and trousers

Jacket with central hidden fastener on buttons, selfbelt along the waistline. Elbow-pads to prevent chafing. Buttoned barrel cuffs. Underarm breathing evelets. Trousers with elastic waistline, pockets, kneecaps. Fabric: oil-and water-resistant, polyester – 65%, cot-

ton - 35%, density - 210 g/m². **Reflective material:** 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility.

Color: dark blue, trimmings - cornflower blue.

Size: 88/92 - 136/140. Height: 158/164 - 194/200.*

GOŠT 27575-87

3.117 Scotchlite Reflective Material Women's jacket "Leto"

Long jacket with hidden fastener on buttons. Side patch pockets with a flap. Selfbelt at the back of the waistline for width adjustment. Underarm breathing eyelets. Sleeves with button cuffs.

Fabric: water-resistant, polyester - 65%, cotton - 35%, density - 210 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Color: dark blue, trimmings – cornflower

Size: 80/84 - 128/132 Height: 158/164 - 170/176* GOST 27574-87

3.116 Scotchlite Reflective Material Women's semi - overall "Leto"

Semi-overall with multipurpose breast and side pockets. Elastic strap at the back of the waistline. Back patch pockets, tool pocket. Adjustable shoulder

Fabric: water-resistant, polyester – 65%, cotton – 35%, density – 210

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Color: dark blue, trimmings - cornflower blue.

Size: 80/84 - 128/132. Height: 158/164 - 170/176.*

GOST 27574-87

3.087 🕏

Women's summer working suit

Jacket and trousers

Central hidden button fastener. Patch pockets. Sleeves contain elbow-pads. Trousers with elastic belt, pockets, kneecaps to prevent chafing.

Fabric: "Serge", cotton – 100%, density - 250 g/m². Color: cornflower blue, trim-

mings - claret. Size: 80/84 - 128/132.

Height: 158/164 - 182/188.*

GOST 27574-87

3.102

Men's summer suit "Energia" Coat and semi-overall

Coat with hidden fastener on buttons with button trap. Comfortable pockets. Width adjustment straps at the bottom of the coat. Barrel cuffs.

Semi-overall with breast patch pocket, back patch pockets, tool pocket. Adjustable elastic straps. Elbow-pads, kneecaps to prevent chaf-

Fabric: "Serge", cotton – 100%,

density - 250 g/m². Color: cornflower blue. Size: 88/92 - 128/132. Height: 158/164 - 182/188.*

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



3.103

Men's summer suit "Energia-2" Coat and semi-overall

Coat with central hidden button fastener with button trap. Patch pockets.

Semi-overall with side button fasteners. Comfortable pockets, kneecaps, Breast patch pocket, back patch pockets, tool pocket. Elastic shoulder straps. Elastic band on the waistline helps with comfortable fit.

Fabric: polyester – 65%, cotton – 35%, density -210 g/m^2 .

Color: green, trimmings – yellow. **Size:** 88/92 – 128/132. Height: 158/164 - 182/188.*

GOST 27575-87

Men's summer suit "Energia-2" with light reflective strips Coat and semi-overall

Coat with central hidden button fastener with button trap. Patch pockets.

Semi-overall with side button fasteners. Comfortable pockets, kneecaps. Breast patch pocket, back patch pockets, tool pocket. Elastic shoulder straps. Elastic band on the waistline helps with comfortable fit. Reflective stripes on the back of the iacket, on sleeves bottom, overall bottom.

Fabric: polyester – 65%, cotton – 35%, density – 210 g/m². **Color:** dark blue, trimmings – orange.

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm

width) provides maximum visibility. **Size:** 88/92 – 128/132. Height: 158/164 - 182/188.*

GOST 27575-87

3.022

Men's summer suit "Mechanic" Jacket and trousers.

Coat with hidden button fastener and button traps preventing buttons from being caught in mechanisms and devices. Patch pockets. Sleeves contain elbow-pads and cuffs. Comfortable construction: with hands up the jacket's bottom remains in place.

Trousers with kneecaps, pockets at knee area. Fabric: waterproof, polyester – 65%, cotton – 35%, density – 210 g/m².

Color: dark blue. Size: 80/84 - 128/132. Height: 170/176 - 182/188.*

GOST 27575-87

Men's summer suit "Motor" Coat and semi-overall



3.107 Color: blue, trimmings – orange.



3.108 Color: cornflower blue, trimmings – orange.

Coat with central hidden fastener on buttons. Patch pockets. There is a patch pocket with pencil holder on the left forepart.

Semi-overall with side button fasteners and zipper at front. Breast patch pocket with pen holder. Elastic shoul-

Fabric: polyester – 65%, cotton – 35%, density – 210 g/m². **Size:** 88/92 – 128/132.

Height: 158/164 - 194/200.*



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.





3.100 🕏

Working suit with elbowpads and kneecaps Jacket and trousers

Jacket with central button-fastener and pockets. Trousers with pockets.

Fabric: waterproof, cotton – 35%, polyester – 65%, density - 210 g/m².

Color: dark blue, trimmings cornflower blue.

Size: 88/92 - 128/132. Height: 158/164 - 194/200.*

GOST 27575-87

3.093

Men's summer suit with cotton elbow-pads and kneecaps Jacket and trousers

Jacket with central button-fastener. Patch pockets, elbowpads. Trousers with patch pockets, kneecaps.

Fabric: "Serge", cotton – 100%, density - 250 g/m². Size: 88/92 - 128/132. Height: 156/164 - 182/188.*

GOST 27575-87

3.173

Men's insect protection suit, type "B" Jacket and trousers

Jacket with self-belt along the waistline. Hood with peak, zip-fastener, self-belt on a front edge, mosquito net. Two breast patch pockets with flaps and button fasteners. Folds preventing penetration of ticks under clothing. Knitted cuffs with latex thread. to prevent stretching.

Trousers with kneecaps, to prevent chafing, knitted trousers bottom.

Fabric: cotton - 100%, density - 250 g/m². **Size:** 88/92 – 136/140.

Height: 170/176 - 182/188.* TU 17 RF 5109240-5584-90

3.065 Same Scotchlite Redictive Material



Women's set of clothes for cynologists Jacket, trousers, vest, beret

Produced by request

Numerous comfortable pockets: pocket for portable radio, pocket for animal feedstuff, a 4 document back folder. The back is pleated for freedom of movement. Breathing eyelets on the back and under the sleeves. Trousers with pocket for knife and leash attachment. Jacket with zip-fastener, numerous pockets. Beret with adjustable elastic strap at the back. Material: waterproof, cotton – 53%, polyester – 47%, density - 214 g/m².

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility.

GOST 27574-87



Men's set of clothes for cynologists

Jacket, trousers, vest, beret **Produced by request**

Material: waterproof, cotton – 53%, polyester – 47%, density – 214 g/m². Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

⁶⁰



3.290 ③

Men's smock made of "Unbleached calico" fabric Central button-fastener, Patch

pockets.

Fabric: "Unbleached calico" cotton - 100%, density - 140 g/m².

Color: blue.

Size: 80/84 – 128/132. Height: 158/164 - 182/188.*

GOST 12.4.132-83

3.291 3

Women's smock made of "Unbleached calico" fabric

Fabric: "Unbleached calico" cotton - 100%, density - 142 g/m². Color: blue.

Size: 88/92 - 128/132.

Height: 158/164 – 182/188.* GOST 12.4.131-83

3.321

Men's overall made of mixed fabric

Central button-fastener. Patch pockets. Fabric: waterproof, crease-resistant, polyester – 65%, cotton – 35%,

density – 210 g/m². **Color:** blue Size: 80/84 - 128/132. Height: 170/176 - 182/188.*

GOST 12.4.132-83

3.322

Women's smock made of mixed fabric

Central button-fastener. Patch pockets. Strap with buttons on the back.

Fabric: waterproof, crease-resistant, polyester – 65%, cotton – 35%, density - 210 g/m².

Color: cornflower blue. Size: 80/84 - 136/140. Height: 158/164 - 170/176.*

GOST 12.4.131-83

3.052

Disposable coverall "Spunbond" Made by non-woven 100% polypropylene

spunbond fabric, density – 40 g/m². Non-toxic, dust protective, does not cause allergic reactions. Allowed for use in medical, pharmaceutical and food industries.

Size: L (96/100) - XXL (112/116).*

GOST 12.4.100-80







⁶²

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.







3.388 Color: brown.

3.385 Color: blue.

3.389 Color: peach.

Tunic with side vents, pockets. 3/4 one button length adjustable sleeve. Trousers with belt.

Fabric: tunic – cotton – 60%, polyester – 40%, density – 95 g/m². Production: Tootal (Holland), trousers – cotton – 55%, polyester – 45%, density – 113 g/m². Production: Tootal (Holland). Size: 80/84 - 128/132.

Height: 158/164 - 170/176.*

GOST 25294-2003

Jacket with press fasteners, side vents, side pockets, inner pocket for telephone. 3/4

Fabric: cotton - 60%, polyester - 40%, density – 100g/m², trimmings – cotton – 55%,

polyester – 45%, density – 113g/m². Production: Tootal (Holland).

Color: light gray check, trimmings-light gray. **Size:** 80 – 128.

Height: 158/164 – 170/176.* GOST 25294-2003

Women's trousers "Nicol"

Straight trousers with pockets, back patch pockets. Fabric: cotton – 55%, polyester - 45%, density - 113g/m². Production: Tootal (Holland). Color: light gray. **Size:** 80 – 128.

Height: 158/164 - 170/176.* GOST 25294-2003

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

GOST 12.4.029-76



Height: 158/164 – 182/188.*

GOST 9897-88

Fabric: coarse calico (cotton – 100%).

Color: white.

GOST 9897-88





⁶⁶

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.





3.341 3

Surgeon's suit Jacket, trousers and cap

Jacket with V-neck. Patch pock-

Fabric: mixed, polyester -65%, cotton - 35%, crease-resistant, blood resistant, density $- 130 \text{ g/m}^2$.

Color: green **Size:** 88/92 – 128/132. Height: 170/176 - 182/188.*

GOST 25295-2003

Men's medical smock

Straight coat with central button-fastener. Barrel cuffs. Fabric: mixed polyester - 65%, cotton – 35%, crease-resistant, blood resistant, density – 130 g/m².

Color: white Size: 88/92 - 136/140.

GOST 12.4.132-83

Height: 170/176 - 182/188.*

Women's white smock made of "Unbleached calico" fabric

Central button-fastener. Patch pockets.

Fabric: "Unbleached calico" cotton - 100%. density – 142 g/m². **Size:** 80/84 – 128/132.

Height: 158/164 - 182/188.* GOST 12.4.131-83

Men's white smock made of "Unbleached calico" fabric

Central button-fastener. Patch pockets.

Fabric: "Unbleached calico" cotton - 100%, density - 142 g/m². Size: 88/92 - 128/132.

Height: 170/176 - 182/188.* GOST 12.4.132-83

Women's medical smock

Semifitted model with central button-fastener. Edging made of strip fabric on side pockets, front and back vokes, half-belt on the back.

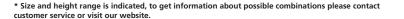
Fabric: polyester – 65%, cotton – 35%, crease-resistant, blood resistant, density - 130 g/m².

Color: white.

Size: 80/84 - 136/140. **Height:** 158/164 – 182/188.*

GOST 12.4.131-83







Medical Uniforms

3.345

Women's blouse "Bianca"

Soft stretch fabric provides comfort, does not restrict movement, which is important for health professionals. Semi-fitted blouse with press stud fasteners, band-collar, patch chest and side pockets, short sleeves with cuffs, side slits. Low rise, belt loops. Fabric: cotton rich, cotton – 89%, Lycra® T400® fiber - 11%, density - 144 g/m². Production: South Korea. Lycra® T400® (INVISTA) fiber is a special type of bicomponent fiber in which two different polymers are joined together within each filament. The result is fabrics and garments with great stretch and recovery properties.

Lycra® T400® fiber has thermostatic properties, in hot weather it pulls of excess body warmth with the moisture; in cold weather it keeps the body warm.

Color: white

Finish: Pink-gray edging.

Size: 80 – 120.

Height: 158/164 - 170/176.*

GOST 25294-2003

3.346

Women's trousers "Bianca"

Trousers with front and back pockets. Belt with belt loops and elastic inserts.

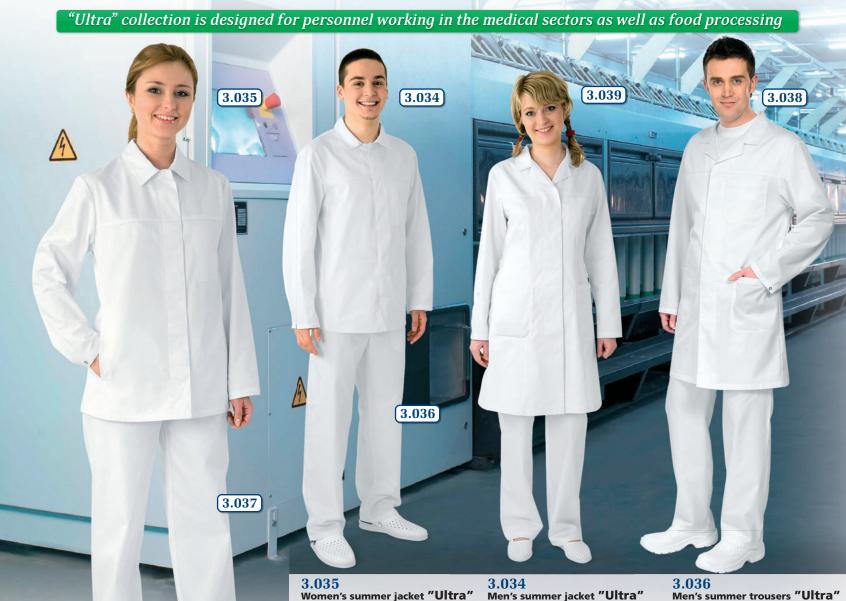
Fabric: cotton rich, cotton – 89%, Lycra® T400® fiber – 11%, density – 144 g/m². Production: South Korea.

Color: white Size: 80 – 128.

Height: 158/164 – 170/176.*

GOST 25294-2003





Jacket with central hidden press-studs fas-

teners, pockets. Sleeve bottom is requ-

Fabric: polyester – 65%, viscose – 35%,

lated by press fastener.

Size: 80/84 - 128/132.

Height: 158/164 - 170/176.*

density -175 g/m^2 .

GOST 25294-2003

Color: white.



3.039 3 Women's summer smock "Ultra"

Shortened semifitted model with central hidden press-studs fasteners, pockets. Sleeve bottom is regulated by press fasteners. Half-belt on the back for width adjustment. Fabric: polyester - 65%, viscose – 35%, density – 175 g/m². Color: white.

Size: 88/92 - 128/132. Height: 158/164 - 170/176.* GOST 12.4.131-83

3.038 3 🖶 Men's summer smock "Ultra"

Model with central hidden pressstuds fasteners, pockets. Sleeve bottom is regulated by press fastener. Half-belt on the back for width adjustment.

Fabric: polyester - 65%, viscose – 35%, density – 175 g/m². Color: white.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.* GOST 12.4.132-83

3.037

Women's summer trousers "Ultra"

Trousers with side pockets. Fabric: polyester – 65%, viscose – 35%, density – 175 g/m². Color: white

Size: 80/84 - 128/132. Height: 158/164 - 170/176.*

GOST 25294-2003

Model with central hidden press-studs fas-Trousers with side pockets. teners, pockets. Sleeve bottom is requ-

Fabric: polyester – 65%, viscose – 35%, density - 175 g/m². Color: white.

Fabric: polyester – 65%, viscose – 35%,

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST 25295-2003



GOST 25295-2003

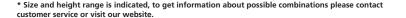
lated by press fastener.

Size: 88/92 - 128/132.

Height: 170/176 - 182/188.

density -175 g/m².

Color: white.





2.180 Thinsulate A POLARIEC YKK Men's cold-protective jacket "Siberia"

Coat with combined insulation: 1 layer – stitched, 2 layers – detachable with zipper. The length of the warm jacket allows you to put it on a jacket. Double-slider zip fastener YKK, inside and outside wind-protective flaps.

Insulated breast pockets and side patch pockets. Zipped pocket on a sleeve, zipped pocket for A4 size documents on the left forepart. Breathing eyelets under the sleeves. Adjustable, detachable hood with fixed earflaps. Genuine fur trim. Sleeves with innerl semi-woolen wristlets. Band collar, hood, cuffs, inside placket are insulated with soft knitted fabric Polartec®.

Cover fabric: 100% polyester, membrane-type (10000 mm waterproof rating, water vapor permeability – 8000 g/m²/24h) frost-resistant, breathable, wind-proof, water-proof (LT-membrane $^{\text{TM}}$),

density – 150 g/m². **Lining:** 100% polyester.

Insulation: Thinsulate® P100, 3 layers. Multi-layer insulation provides greater heat insulating effect due to the air gap between layers.

Size: 88/92 – 128/132. Height: 158/164 – 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone**

2.179 Thinsulate INSULATION

Men's cold-protective semi-overall "Siberia"

Semi-overall with double-slider zip fastener. Side pockets. Gussets in the knee area for freedom of movement. Adjustable elastic strap. Elastic band across the back ensures a good looking fit. Reinforced gussets to prevent chafing. Zippered side seams at the bottom. Inside band around the bottom of each pant leg with latex strip.

Cover fabric: 100% polyester, membrane-type (10000 mm waterproof rating, water vapor permeability − 8000 g/m²/24h) frost-resistant, breathable, windproof, water-proof (LT-membrane™),

density – 150 g/m². **Lining:** 100% polyester

Insulation: Thinsulate® P100, 2 layers.

Color: black.

Size: 88/92 – 128/132. Height: 170/176 – 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I,

II, III and IV and critical climatic zone**

^{2.179}

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.

Leaders Wear



2.183

Men's cold-protective parka "Alyaska"

Double-slider zip fastener, wind-protective flap. Cord adjustable hood. Detachable genuine fur (raccoon) trim. Width-adjustable sleeve bottom with woolen cuffs. Insulated breast set-in zipped pockets, big side flapped pockets, patch pocket on the left sleeve, inner pockets. Hidden zipped pocket (for A4 size documents) under the wind-protective flap. Wind-protective shell inside.

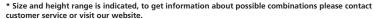
Cover fabric: 100% polyester, membrane-type (10000 mm waterproof rating, water vapor permeability - 8000 g/m²/24h) frost-resistant, breathable, wind-proof, water-proof (LT-membrane TM), density – 150 g/m².

Insulation: "Thermofin", 3 layers, density – 150 g/m².

Lining: 100% polyester, quilted. Color: black, lining – brilliant orange.

Size: 88/92 - 128/132. Height: 158/164 - 182/188.* GOST R 12.4.236-2007, GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone**



^{**} See the climatic zones outlay at the end of the catalogue.





100 a/m².



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

rately; it looks presentable and provides easy opening and

Cover fabric: 100% polyester, membrane-type (10000 mm

10000 g/m²/24h), frost resistant, breathable, wind-proof,

For use in climatic zone I**

Zipper on the jacket is made by the world's leading company YKK. Each clove of zipper is produced and polished sepa-

^{**} See the climatic zones outlay at the end of the catalogue.



Thinsulate® Platinum

Thinsulate Platinum

Thinsulate® insulation with advanced technical features based on unique technologies designed to provide comfort, warmth and functionality.

Thinsulate® Type C (Classic) is one the Platinum

One of the key advantages of Thinsulate is the fact that after repeated washings its thickness is not reduced, its total thermal resistance is not reduced.

Thinsulate® CS – single scrim material. A scrim on one side is used to increase strength and eliminate

Repeated machine washings do not markedly attect the performance of Thinsulate® CS insulation. It is designed for use where a thin compressible insulation is important. Thinsulate insulation is thin, light. warm. It can be used with fabrics with different densities and textures for production of lightweight, comfortable and modern wear.

2.172 ♥ POLARTEC Thinsulate™ M Men's cold-protective jacket "Chelsea"

Jacket with central double slider zip and windproof flap. Detachable warm hood. Hood ends can be placed into the special pockets on the collar. Side insulated pockets and set-in pockets with zip-fastener. Pocket for A4 size documents on the left forepart. Lined pockets. Spacious sleeves with inner muffetees. The bottom of the sleeves is regulated, adjustable waistline. Band collar insulated with knitted fabric Polartec®.

Cover fabric: 74% nylon, 26% polyester, membranetype (10000 mm waterproof rating, water vapor permeability – 8000 g/m²/24h), frost-resistant, breathable, wind-proof, with oil- and water-repellent coating "Teflon" made by DuPont, density 190 g/m². Insulation: Thinsulate® CS150 (1 layer+quilting)

Lining: 100% polyester.

Reflective material: 3M™ Scotchlite™ reflective tape

provides maximum visibility.

Color: light khaki, trimmings – dark khaki.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST R 12.4.236-2007 GOST R 12.4.236-2011

First level of thermal protection, for use in climatic zones I,

2.173 Thinsulate 3M Scotchlite Men's cold-protective pants "Chelsea"

Pants with high waistband, straps for width adjustment. Set-in pockets with zip-fastener. Gussets in the knee area for freedom of movement. Adjustable bottom. Windproof turn-ups, foot loops made of latex. Reinforced gussets to prevent chafing.

Cover fabric: 74% nylon, 26% polyester, membranetype (10000 mm waterproof rating, water vapor permeability - 8000 g/m²/24h), frost-resistant, breathable, wind-proof, with oil- and water-repellent coating "Teflon" made by DuPont, density – 190 g/m².

Insulation: Thinsulate® P100 (1 laver).

Reflective material: 3M[™] Scotchlite[™] reflective tape provides maximum visibility.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011 First level of thermal protection, for use in climatic zones I,

3.040

Men's summer suit "Chelsea" See page 45.

Color: light khaki, trimmings – dark khaki.



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.





2.182 POLARTEC Thinsulate

Men's cold-protective parka "Buran"

Zip fastener with wind-protective flap on press studs. Self-belt along the waistline for wind protection. Numerous set-in pockets. Hidden zipped pocket (for A4 size documents) under wind-protective flap. Sleeves with width adjustable cuffs and woolen muffetees. Band collar insulated with knitted Polartec® fabric, detachable hood.

Cover fabric: 100% nylon, membrane-type (3000 mm waterproof rating, water vapor permeability - 5000 g/m²/24h) frost-resistant, breathable, wind-proof, with oil- and water-repellent coating Teflon® made by DuPont, density – 110 g/m².

Lining: 100% polyester.

Insulation: Thinsulate® P100 (3 layers).

Size: 88/92 - 128/132. Height: 158/164 - 194/200.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones

I, II, III and IV and critical climatic zone**

2.114 Thinsulate Thinsulate

Men's cold-protective semi-overall "Buran"

Semi-overall with zip fastener. Big flapped patch pockets at the front with a flap. Reinforced kneecaps. Adjustable elastic drawstring at waist ensures perfect fit.

Cover fabric: 100% nylon, membrane-type, frost-resistant, breathable, wind-proof, with oil- and waterrepellent coating Teflon® made by DuPont.

Lining: polyether.

Insulation: Thinsulate® P100, 2 layers.

Size: 88/92 – 128/132.

Height: 158/164 - 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone**

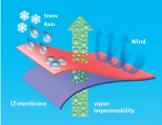
^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.





Ultimate protection in extreme conditions from rain, snow and wind. Cold-resistant membrane



LT-membrane is a new generation membrane which is coated on fabric resulting in the appearance of unique performance material:

- water resistance (10000 mm of water per 1 m² in 24 hours)
- wind-tightness
- frost resistance (retains elasticity and softness at temperatures up to –55°C)
- vapor impermeability (8000 g/m² per 24 hours)

2.195 A POLARTEC

Men's cold-protective jacket "Fortuna"

Central double-slider zip fastener and wind-protective flap. Zip-off sleeves allow transformation into a vest. Band collar insulted with Polartec® knitted fabric. Detachable hood. Numerius pockets, pocket on a sleeve, linning with pockets. Wide waistband with elastic inserts.

Cover fabric: 100% polyester, membrane-type (10000 mm waterproof rating, water vapor permeability – 8000 g/m²/24h), frost-resistant, breathable, wind-proof, waterproof (LT-membrane TM), density – 150 g/m².

Lining: 100% polyester.

Insulation: "Thermafiber", density 100 g/m², 2 layers, stitched.

Reflective material: $3M^{\text{TM}}$ ScotchliteTM reflective piping.

Size: 88/92 – 128/132. Height: 158/164 – 182/188.* GOST R 12.4.236-2007

GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

3.030 Men's windbreaker jacket "Real"

Lengthened jacket with double slider zip fastening, double flap for wind and water protection. Detachable hood. Elastic cord adjustable bottom. Set-in zipped pockets with flaps, inner pockets, pocket for notebook under wind-protective flap. Zipped netted vent-holes under arms provide extra comfort.

Cover fabric: 100% polyester, membrane-type (10000 mm waterproof rating, water vapor permeability – 8000 g/m²/24h), breathable, wind-proof, water-proof (LT-membrane™), density – 150 g/m².

Lining: 100% polyester + knitted net at the

upper part. **Size:** 88/92 – 128/132.

Height: 158/164 – 182/188.*

GOST 25295-2003



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.





2.102 DIARTEC Soutchlite Nega-State Men's cold-protective suit "Operator"

Jacket and semi-overall

The jacket with detachable thermal insulation, central hidden button fastener. Side insulated patch pockets with flaps, radio set and ID-card pockets. Sleeves with woolen cuffs. Detachable insulated hood. Self-belt along the waistline and at the bottom for wind protection. Band collar insulted with Polartec® knitted fabric. Special sleeve design for comfort wear. Lining contains label for name application.

Semi-overall with central double-slider zip fastening. Side pockets and patch pockets. Elastic tape on the back for com-

Cover fabric: "Sojuz Antistat" with antistatic NegaStat® yarn, oil- and water-repellent (70% cotton, 30% polyester), density - 250 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Insulation: "Thermofiber", density – 150 g/m², jacket – 3 layers, semi-overall – 2 layers.

Lining: "coarse calico"+ windproof fabric. **Color:** dark blue, trimmings – cornflower blue.

Size: 88/92 - 128/132. **Height:** 158/164 – 194/200.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II III,IV and critical climatic zone**

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



^{**} See the climatic zones outlay at the end of the catalogue.





Advantages of fabric: maximum protection from wind, rain and wet snow

- high strength, extra dura-
- easy to clean, stains can be easily removed
- can withstand extremely low temperatures
- provides ease and freedom of movement

2.192 POLARTEC Men's cold-protective jacket "Fort"

The jacket with central double-slider zip fastening, wind-protective flap. Reinforced gussets along the shoulder area, along the bottom of the sleeves, at the sides of the jacket to prevent rubbing. Self-belt along the waistline and at the bottom of the jacket for additional protection against the wind. Breast pockets and side set-in pockets, inner pockets, zipped pockets on the left forepart. Band collar is insulated with soft knitted fabric Polartec®. Detachable hood. Sleeves with

Cover fabric: "Foreman" (Concordia, Belgium), Teflon® (DuPont) coated (polyester - 67%, cotton -33%), density - 252 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Insulation: Thinsulate® P100, 3 layers, Multi-layer insulation provides greater heat insulating effect due to the air gap between lavers.

Lining: 100% polyester. Size: 88/92 - 128/132. Height: 158/164 - 182/188.* GOST R 12.4.236-2007

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone**

2.190 Thinsulate Market Market

Men's cold-protective semi-overall "Fort"

Semi-overall with central double-slider zip fastening, wind protection flap, side pockets. Gussets in the knee area for extended freedom of movement. Reinforced gussets at the bottom to prevent chafing. Elastic band on the back of the waistline helps with comfortable fit.

Cover fabric: "Foreman" (Concordia, Belgium), Teflon® (DuPont) coated (polyester -67%, cotton -33%), density -252 g/m².

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility.

Insulation: Thinsulate® P100, 2 layers.

Lining: 100% polyester. Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone**

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



2,205 POLARTEC Thinsulate M Scotchlite Representation Men's cold-protective jacket "Bavaria"

The combination of brown with yellow and orange colors meets the requirements of the fashion industry. Lengthened jacket with double slider zip fastening, inner and outer windproof flaps and hidden snap fasteners. Numerous pockets: side set-in pockets with zip fastening, left patch pocket, lower pocket under the flap, inclined pocket, vertical zip side pocket. Lining with pockets: chest set-in and patch pockets, lower netted pocket. Patch pocket on the left with D-ring keeper for small items. Sleeves with barrel cuffs, elastic inserts. Elbow gussets, semi – woolen cuffs. Adjustable hood, waist and bottom hem. Band collar is insulated with soft knitted fabric Polartec®. Detachable hood (zipp-off). The most soiling-prone parts are of dark color. Reflective tape around torso, bottom of the sleeves, reflective stripes on the back, flaps, sleeves. Yellow stitch trim.

Cover fabric: "Foreman" (Concordia, Belgium), Teflon® (DuPont) coated (polyester – 67%, cotton – 33%), density – 252 g/m².

Color: combination of light and dark brown.

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width), stripes (3 mm width) provide maximum visibility. **Insulation:** Thinsulate® P100, 3 layers.

Lining: 100% polyester **Size:** 88/92-128/132 Height: 170/176 - 182/188* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV

and critical climatic zone**



Men's cold-protective semi-overall "Bavaria"

Semi-overall with double-slider zip fastening, wind protection flap with Velcro fastening. Adjustable elastic straps with buckles. Side pockets, patch chest pocket. Gussets in the knee area for extended freedom of movement. Elastic waistband for comfortable fit. Zippered side seams at the bottom, foot loops made of latex. Yellow stitch trim.

Cover fabric: "Foreman" (Concordia, Belgium), Teflon® (DuPont) coated (polyester – 67%, cotton - 33%), density - 252 g/m².

Color: combination of light and dark brown.

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility.

Insulation: Thinsulate® P100, 2 layers. Lining: 100% polyester.

Size: 88/92 - 128/132. Height: 170/176 - 182/186.* GOST R 12.4.236-2007

GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone**



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.





The members of "North Pole" scientific drifting station dressed in "Extreme" overalls manufactured by "Technoavia".

2.141 POLARTEC Thinsulate and

Men's cold-protective coverall "Extreme"

Central double-slider zip fastening and wind-protective flap with press studs. Zipoff hood. Band collar is insulated with soft fabric Polartec®. Zipped netted vent-holes under arms. Breast and side zipped pockets, left sleeve zipped pocket, inner pockets. Reinforced knees. The back is pleated for freedom of movement, elastic tape along the waistline helps with comfortable fit. Special sleeve design for comfort wear. The bottom of side seams is zipped, the coverall bottom has inside turn-ups, foot loops made of latex.

Cover fabric: 100% polyester, membrane-type (10000 mm waterproof rating, the water vapor permeability -8000 g/m²/24h), frost-resistant, breathable, wind-proof, water-proof (LT-membrane™), "Rip-Stop" pleating provides high tear resistance, density – 150 g/m².

Lining: 100% polyester Insulation: Thinsulate® P100, upper part – 3 layers, trousers – 2 layers. Reflective material: 3M™ Scotchlite™ reflective piping.

Size: 88/92 – 128/132. Height: 170 - 188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I. II. III and IV and critical climatic zone**

TEXHOABUA	Испытания проводитись на предприятия: ———————————————————————————————————
11. 21/2010 .	Letoper come st
MAY 11. Allehans	-
прот	ОКОЛ ИСПЫТАНИЙ
Cneuenween:	Hereoposor
Гариания Азре	41160
Что используется в настоящёе преч Что использования — Желе Го	KANDETUTERA ASTORS o odgli
Westernam ADMINE	недон замий
	TO 12 PHES HOTE 18911 HE
HEEN HERE TYPE 6	ostyra '41' Meren
Janesen HST	Tire porcer fenere v
ROUND INT OUS	использования в чем
6428 918 pod	OTH APR PECKET HELPER
WENNEPLTYPAY	Approve & Aperopeanye
Промущества:	
The carenos	lespe ne propy lack 11
strone bugar H	a digy sypnispe resectioner
Hegacterisc:	71.8.7
Hagacranus	71.7
Percentages	7.1.7
Недостатие	7.6.7
Раксионарары	7.67
Percengage:	7.5.7
Рексионарами: Потраблосто	and the second s
Реговорация Поправности Попр	CONTROL OF SOME HEREAGE (E.M.)
Pricentagia Tengelinica Tengensian awaren <u>Teles</u>	I The wining weren Wit Kigh
Pricentagia Tengelinica Tengensian awaren <u>Teles</u>	I The wining weren Wit Kigh
Proceedings Terretures Terre	I H wining very Wit Ry
Ресонендация Тензованием Тредованием монеска МА	I H wining very Wit Ry
Priceregaja Periceren Periceren avecas <u>M. C.</u> Periceren A. A. Sara Le Maria de A. A. Sara	I H wining very Wit Ry



Thinsulate®

Thinsulate™ INSULATION

Thinsulate® - insulation manufactured using a unique microfibre technology: ultra-thin fibers are much more efficient at trapping air, and more effective at keeping the warm air. Thinsulate provides increased safety and comfort. It is a type of insulation used in footwear and outerwear.

Thinsulate is more effective due to the increased density of fibers with decreased size of fibers compared with more traditional insulation.

More fibres can be packed into the same space, where they can reflect back more of the body's radiant

Advantages of Thinsulate® insulation:

- Maximum protection against the cold and moisture
- Ability to retain heat even when
- Lightweight
- Excellent air permeability
- Increased wear-resistance
- Machine washable and guick
- The fibers do not cause allergic reactions

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



2.193 POLARTEC Thinsulate YKK Women's cold-protective jacket "Scandinavia"

Semi fitted jacket. Special design to emphasize elegance of female figure. Double slider zip fastener YKK and wind-protective flap with press studs. Side zipped pockets, sleeve pocket, inside pocket. Sleeves with woolen cuffs, straps for width adjustment with press stud. Zipped netted vent-holes under arms. Removable insulated hood with visor with press stud fastening. Self-belt at the bottom provides wind protection. Band collar, hood, cuffs and back are insulated with soft fabric Polartec®.

Cover fabric: 100% nylon, membrane-type (10000 mm waterproof rating, water vapor permeability – 8000 g/m²/24h), frost-resistant, breathable, wind-proof, with oil- and water-repellent coating Teflon® made by DuPont.

Lining: 100% nylon.

Insulation: Thinsulate® CS150, 2 layers

Size: 80/84 - 128/132. Height: 158/164 - 170/176.* GOŠT R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone**

2.194 Thinsulate

Women's cold-protective trousers "Scandinavia"

The trousers feature waistband with bolt loops, zipoff back, elastic side straps. Elastic tape shoulder straps. Zipped side pockets. Bottom of trousers is reinforced with dark fabric. Gussets in the knee area for extended freedom of movement, zip fastener at the bottom of the trouser leg for width adjustment, foot loops made of latex.

Cover fabric: 100% nylon, membrane-type (10000 mm waterproof rating, water vapor permeability – 8000 g/m²/24h), frost-resistant, breathable, windproof, with oil- and water-repellent coating Teflon® made by DuPont.

Lining: 100% polyester.

Insulation: Thinsulate® P100, 2 layers.

Size: 80/84 - 128/132. Height: 158/164 - 170/176.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011 Forth level of thermal protection, for use in climatic zones I,

II, III and IV and critical climatic zone**

2.185 Thinsulate Management

Men's cold-protective semi-overall "Prime"

Double slider zip fastener and wind-protective flap, side pockets, zipped pocket. Gussets in the knee area for extended freedom of movement. reinforced knees to prevent chafing. Back features elastic tape providing perfect fit. Inside turn-ups, foot loops made of latex.

Cover fabric: 100% nylon, membrane-type (10000 mm waterproof rating, water vapor permeability – 8000 g/m²/24h), frost-resistant, breathable, wind-proof, with oil- and water-repellent coating Teflon® made by DuPont. Lining: 100% polyester.

Insulation: Thinsulate® P100, 2 layers.

Size: 88/92 - 128/132. Height: 158/164 - 194/200.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone**

Men's cold-protective jacket "Prime"

Double slider zip fastener YKK and wind-protective flap. Band collar is insulated with soft fabric Polartec®. Detachable adjustable hood. Side pockets, chest insulated pockets, sleeve pocket, inside pockets and pocket for A4 size documents. Side-adjustment straps, adjustable sleeve bottom. Gussets in the sleeve area for freedom of movement, reinforced elbows to prevent chafing. Wind protective shell.

Cover fabric: 100% nylon, membrane-type (10000 mm waterproof rating, water vapor permeability – 8000 g/m²/24h), frost-resistant, breathable, wind-proof, with oil- and water-repellent coating Teflon® made by

Insulation: Thinsulate® CS150, 2 layers

Size: 88/92 - 128/132. Height: 158/164 - 194/200.* GOŠT R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone**



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



2.203 POLARTEC

Women's cold-protective jacket "Ladoga"

Jacket with central zip fastener and wind-protective flap. Side pockets, inner pockets. Band collar insulated with soft knitted fabric Polartec®. Detachable insulated hood. Sleeves with semi-woolen cuffs.

Cover fabric: 100% nylon with polyurethane water-proof

Reflective material: 3M[™] Scotchlite[™] reflective piping.

Lining: 100% polyester.

Insulation: "Thermofiber", density - 150 g/m², 2 layers.

Color: dark-blue, trimmings – light-blue.

Size: 80/84 - 128/132. Height: 158/164 - 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

2.204

Women's cold-protective semi-overall "Ladoga"

Semi-overall with central zip fastener. Side insulated pockets. Shoulder straps with elastic tape. Knee-caps.

Cover fabric: 100% nylon with polyurethane water-proof coating, density - 150 g/m².

Reflective material: 3M™ Scotchlite™ reflec-

tive piping

Lining: 100% polyester. **Insulation:** "Thermofiber", density - 100 g/m², 2 layers.

Color: dark-blue, trimmings – light-blue. Size: 80/84 - 128/132.

Height: 158/164 - 182/188.3

GOST R 12.4.236-2007, GOST R 12.4.236-2011 Second level of thermal protection, for use in climatic zones I, II, III**

2.170



"Baikal" Semi-overall with central double slider zip fastener. Side pockets. Elastic back waist. Ad-

justable shoulder straps. **Cover fabric:** 100% nylon with polyurethane water-proof coating, density - 140 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility

Insulation: "Thermofiber", density - 100 g/m², 2 layers. Lining: 100% polyester.

Color: dark-blue. Size: 88/92 - 128/132. Height: 158/164 - 182/188.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

2.169



Jacket with central double slider zip fastener and wind-protective flap. Band collar insulated with soft knitted fabric Polartec®. Side patch pockets with flap, inner pocket for documents. Self-belt at the bottom and along the waistline for protection against the wind. Sleeves with semi-woolen cuffs. Zipoff insulated hood.

Cover fabric: 100% polyamide with polyurethane water-proof coating, density – 140 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Insulation: "Thermofiber", density – 150 g/m², 2 layers.

Lining: 100% polyester.

Color: dark-blue, trimmings - cornflower blue. Size: 88/92 - 128/132.

Height: 158/164 - 182/188.3

GOŠT R 12.4.236-2007, GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



Jacket and semi-overall

The jacket with hidden button fastener. Side patch pockets with flaps, left inner pocket for documents. Turndown faux fur collar. Sleeve cuffs with lace inserts, internal elastic half-wool wristlets. Self-belt at the bottom and along the waistline for protection against the wind. Insulated hood with button fastening and wind flap. Removable insulation. Semi-overall with central double-slider zip fastening. Side pockets, knee-caps. Elastic tape on the back for comfortable fit. Elastic straps with buckle fastenin.

Cover fabric: mixed (65% polyester, 35% cotton), water-repellent density - 250 g/m².

Lining: 100% polyester + windproof fabric.

Insulation: "Thermofiber", density – 150 g/m², jacket – 3 layers, semioverall – 2 layers.

Color: dark blue, trimmings-red.

Size: 88/92 – 128/132. Height: 170/176 - 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II III,IV and critical climatic zone**

* Size and height range is indicated, to get information about possible combinations please contact



customer service or visit our website. ** See the climatic zones outlay at the end of the catalogue.





2.201 POLARTEC SM Scotchlite

Men's cold-protective jacket "Winter"

Jacket with central double slider zip Color: black, trimmings – seafastener and wind-protective flap. Band collar insulated with soft knitted fabric Polartec®. Hood can be rolled into the collar. Set-in insulated pockets, side pockets, inner pockets. Sleeves with semi-woolen cuffs.

Cover fabric: 100% nylon with polyurethane water - and windproof coating, density - 150 g/m². Lining: 100% polyester.

Insulation: "Thermofiber", density - 150 g/m², 2 layers. Reflective material: 3M™ Scotch-

lite™ reflective piping.

Men's cold-protective semi-overall "Winter"

2.202

Semi-overall with central double slider zip fastening. Comfortable side pockets, pocket for mobile phone.

Cover fabric: 100% nylon with polyurethane water- and windproof coating

Lining: 100% polyester Insulation: "Thermofiber", density - 100 g/m², 2 layers.

Color: black. Size: 88/92 - 128/132. Height: 158/164 - 182/188.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

2.104 Men's cold-protective trousers "Winter"

Trousers with high adjustable waistband, pockets with zipper. Reinforced side seams. Zip fastener at the bottom of the trouser leg for width adjustment, patches.

Fabric: nylon – 100% – polyurethane coated. **Insulation:** "Thermofiber", density – 100 g/m², 2 layers.

Lining: 100% polyester.

Color: black. Size: 88/92 - 128/132.

Height: 170/176 - 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

2.105

Men's cold-protective jacket "Security"

Central zip-fastener, wind-protective flap. Comfortable insulated pockets, zipped pocket for weapon with cord strap and carabine hook. Pocket for ID-card, pocket for mobile phone, sleeve pocket, inside patch pockets. Cord adjustable bottom. Sleeves with semi-woolen cuffs. Shoulder boards with press stud. Detachable cold-protective hood. Faux fur collar.

Cover fabric: nylon - 100% - polyurethane coated, waterproof, density - 150 a/m².

Insulation: "Thermofiber", density – 150 g/m², 2 layers.

Color: black. Size: 88/92 - 128/132.

Height: 170/176 - 182/188.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

Size: 88/92 - 128/132.

GOST R 12.4.236-2007

GOST R 12.4.236-2011

use in climatic zones I, II, III**

Height: 170/176 - 182/188.*

Second level of thermal protection, for

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



2.167 Scotchlite Reflective Material

Men's cold-protective suit "Build" Jacket and semi-overall

Long jacket with central double slider zip fastening and wind-protective flap. Collar made of artificial fur. Side insulated pockets with flap, inner pocket for documents. Self-belt along the waistline and bottom for wind protection. Sleeves with half-woolen cuffs. Special sleeve design provides comfort. Detachable insulated hood.

Semi-overall with central double slider zip fastening. Side patch pockets. Elastic adjustable waist.

Cover fabric: mixed, (65% polyester, 35% cotton), water-repellent finish, density - 210 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility. Insulation: "Thermafiber", density 150 g/m², jacket – 3 layers, semi-overall – 2 layers.

Lining: 100% polyester.

Color: dark grey, trimmings – orange.

Size: 88/92 - 128/132. Height: 158/164 - 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Third level of thermal protection, for use in climatic zones I, II,

III and IV**

2.230

Men's cold-protective jacket "Jet"

Jacket with multi-function slit "cargo" pockets with zipper: left shaped pocket, right pocket for A4 size documents, side pocket with zip-fastener. In "cargo" pockets there are pockets with Velcro fastening: left patch pocket, pocket for mobile phone, right patch pocket. Zippered pocket on left sleeve with pen holder. Lining with two patch pockets with Velcro fasteners. The band collar, cuffs and waistband are rib knit. Reflective stripes on the back, flaps, sleeves, zipper with reflective trim.

Cover fabric: nylon - 100% - polyurethane coated, waterproof, density - 150 g/m².

Insulation: "Thermofiber", density – 150 g/m², 2 layers.

Color: black.

Size: 88/92 - 128/132. Height: 158/164 - 182/188.*

GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I,

TECHNO AVIA

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



Jacket, trousers, vest

Jacket with central double slider zip fastening and wind-protective flap. Breast patch and side insulated pockets, inner pocket for documents. Sleeves with cuffs and inner semi-woolen wristlets. Special sleeve design provides comfort. Self-belt along the waistline for wind protection. Detachable insulated hood (adjustable). Band collar insulated with soft knitted fabric Polartec®.

Trousers with straps and high insulated back. Side pockets, tool pocket. Vest with zip fastener and side patch pockets.

Cover fabric: mixed, (65% polyester, 35% cotton), water-repellent finish, density 250 g/m².

Color: blue, trimmings – cornflower blue, yellow.

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility. **Insulation:** "Thermafiber", density 150 g/m², jacket – 2 layers, vest – 1 layer, trousers – 2 layers. Multi-layer insulation provides greater heat insulating effect due to the air gap between layers.

Lining: 100% polyester. Size: 88/92 - 128/132. Height: 158/164 - 194/200.* GOST R 12.4.236-2007

GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone**

"Troika-Leader"

Cover fabric: mixed, (65% polyester, 35% cotton), water-repellent finish, density $- 250 \text{ g/m}^2$.

Color: blue, trimmings – cornflower blue,

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides ma-

ximum visibility. **Insulation:** "Thermafiber", density - 150 g/m², 2 layers.

Lining: 100% polyester. **Size:** 88/92 – 128/132. Height: 170/176 - 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



Thermafiber insulation

Thermafiber is a synthetic insulation made of hollow polyester fibers.

Insulation made of hollow fibers creates a maximum thickness of air layer that provides greater heat insulating effect and heatsaving properties and is very light-weighted.

Thermafiber insulation restores its initial elasticity and form after compression and washing.



2.110 Soutchlite Reflective Material

Men's cold-protective suit "Kedr" Jacket and semi-overall

Jacket with detachable insulating lining. Central hidden button fastener. Patch flapped pockets, chest pocket for portable radio set, inner pocket. Sleeve with semi-woolen cuffs, width adjustable sleeve bottom. Self-belt along the waistline at the back for wind protection. Faux fur collar. Width adjustable bottom. Detachable insulated

Semi-overall with central double slider zip fastener. Side pockets, knee caps.

Cover fabric: mixed, water-repellent (35% cotton, 65% polyester), density – 210 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Lining: 100% polyester.

Insulation: "Thermafiber", density 150 g/m², iacket – 2 layers. semi-overall – 2 layers.

Color: green.

Size: 88/92 – 128/132. **Height:** 158/164 – 182/188.*

GOST R 12.4.236-2007 GOST R 12.4.236-2011

Second level of thermal protection, for use in climatic zones I, II, III**

2.111 Season Scotchite Men's cold-protective suit "Zima" Jacket and semi-overall

The jacket with detachable hood. Button fastener. Patch pockets, inner pockets. Elastic band in the back, self-belt for wind protection. Sleeves with reinforcing elbow pads and woolen cuffs. Faux fur collar.

Semi-overall with central double slider zip fastener. Side pockets, knee caps. **Cover fabric:** mixed, (65% polyester, 35% cotton), oil- and water-repellent, density – 210 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Lining: polyester

Insulation: "Thermafiber", density – 150 g/m², 3 layers, semi-overall – 2 layers. Size: 88/92 – 128/132.

Height: 158/164 – 194/200.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Third level of thermal protection, for use in climatic zones I, II, III and IV**

2.191 Scotchlite"

Men's cold-protective jacket "Zima"

Cover fabric: mixed, (65% polyester, 35% cotton), oil- and water-repellent, density – 210 g/m².

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility.

Lining: polyester

Insulation: "Thermafiber",

density – 150 g/m², jacket – 3 layers. **Size:** 88/92 – 128/132.

Height: 158/164 – 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011

Third level of thermal protection, for use in climatic zones I, II, III and IV**



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.





pocket. Reinforcing elbow-pads and knitted wristlets inside. Self belt along the waist line. Faux fur collar, detachable hood. Adjustable sleeve bottom, button.

High waistband trousers with shoulder straps, patch pockets, reinforced knees.

Cover fabric: mixed (35% cotton, 65% polyester), density – 210 g/m². Lining: 100% polyester.

Insulation: "Thermafiber", density 150 g/m², jacket – 3 layers, trousers - 2 lavers.

Trimming: orange color piping. **Size:** 88/92 – 128/132. Height: 170/176 - 182/188.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011

Third level of thermal protection, for use in climatic zones I, II, III and IV**

* Size and height range is indicated, to get information about possible combinations please contact

** See the climatic zones outlay at the end of the catalogue.

density - 200 g/m². Lining: 100% polyester. density - 200 g/m². Lining: 100% polyester Insulation: "Thermafiber", den-Insulation: "Thermafiber", density 150 g/m² - 2 layers. sity 150 g/m² - 2 layers.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.* GOST R 12.4.236-2007 GOST R 12.4.236-2011 Second level of thermal protection, for

GOST R 12.4.236-2011 use in climatic zones I, II, III** Second level of thermal protection, for use in climatic zones I, II, III**

pockets with a press stud. Woolen cuffs. Side straps for width adjustment, semi rings. Collar-genuine sheepskin.

Size: 92 - 124. Height: 170 - 188* GOST 5710-85

For use in climatic zones II, III, IV and critical climatic zone**

Size: 88/92 - 128/132.

GOST R 12.4.236-2007

Height: 170/176 - 182/188.*

customer service or visit our website.

Waistcoats



2.270 A POLARTEC

Fleece waistcoat "Snegir"

Double-sided waistcoat: red side – knitted fabric Polartec®, black side – jacket fabric.

Central reversible zip fastener. Band collar. Extended back and self belt at the bottom for wind protection.

Cover fabric: red side - fleece knitted fabric Polartec®,100% polyester, density – 200 g/m².

Black side – polyurethane coated fabric, 100% polyester, density -100 g/m^2 .

Size: 80/82 - 128/132. Height: 158/164 - 182/188.*

GOST 25295-2003

2.271 A POLARTEC

Warmup waistcoat for technical staff

Central zip fastener. Side insulated pockets, inner pockets. Extended back. Band collar is insulated with soft knitted fabric Polartec®. Trimming – light reflective piping.

Cover fabric: mixed with water-repellent finish (65% poly-

ester, 35% cotton), density – 210 g/m². Insulation: "Thermafiber", density 150 g/m², 1 layer. Size: 88/92 - 128/132.

Height: 170/176 - 182/188.* Color: cornflower blue. GOST 25295-2003

2.262

Warmup waistcoat "Nord"

Zip fastener and wind-protective flap. Zipped set-in pockets and spacious flapped patch pockets, inner pocket. Extended back

Cover fabric: mixed with oil- and water-repellent finish (65% polyester, 35% cotton).

Lining: 100% polyester.

Insulation: Thinsulate® P100, 1 layer.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.* GOST 25295 - 2003

2.251 **Fur waistcoat**

Button fastener, pockets.

Cover fabric: mixed with oil- and waterrepellent finish (65% polyester, 35% cotton).

Insulation: genuine sheepskin.

Size: 88 - 132. OST 17-171-72



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.





"Caesar" (summer and winter variants) – the next generation of welding suits

The suit is made of "Caesar" fabric with fire-resistant Proban® treatment, resistant to washing and dry cleaning.

The fire resistance rating of "Caesar" fabric several times exceeds the requirements of Rhodia company, the developer and manu-



facturer of Proban® flame retardant technology. Proban® fabrics are manufactured on a strict quality control basis through agreed Rhodia licensees. Fabrics are tested in accordance to the ISO 15797 test for industrial washing, drying and finishing of work wear. Proban® fabrics withstand high temperature washing procedures (75°C). "Caesar" fabrics were tested for their wash durability after 150 wash and dry cycles (standard 50 wash cycles) flame – retardant finish remained functional. Flame resistance is guaranteed for the life of the garment. Only flame retardant fabrics that display genuine Proban® labels ensure protection.



Oeko-Tex 100 Certificate confirms that Proban® finishes do not contain any amounts of harmful substances which are detrimental to health. Proban® treated fabrics do not irritate the skin or produce hypersensitivity.

Numerous patches provide excellent protection against burning and high temperatures during welding works.



Protection solution for welders 6.213 New Special sleeve de-Vent holes sign for added com-Inner placket and wristlets made of flame-retardant fabric to prevent penetration of sparks and dross Rreflective tape proity for safety Special design of the pockets to prevent pen etration of sparks and Trousers with inner pockets for shock absorbing pads



Men's summer welder suit "Caesar" Jacket and trousers

3rd class of protection from sparks and splashes of melted metal, scale*

Special suit construction with numerous fabric patches for maximum protection against burning and high temperatures:

jacket: patches at the forepart, sides, back, back yoke (no shoulder seam, because when performing overhead welding thread connecting the shoulder seam can burn through), sleeves. Underarm ventila-

trousers: patches on inner seams (minimum length - 15 cm above the knee to the bottom and a width not less than 7 cm) and back parts of trousers (with at least 15 cm of space to the floor).

Jacket with right side button fastening hidden by placket and inner flap to prevent penetration of sparks and dross. Special sleeve design corresponds to the basic position of a welder's arm at work. Gusset for added comfort and mobility. Vent holes under arms and near shoulder-blades improve hygienic properties of the suit. Special design of the pockets to prevent penetration of sparks and dross. Inner pocket for documents on the left side. Tp chevron on the sleeve.

Trousers with inner pockets for shock absorbing pads, button fasteners along the sides, middle seam with a zipper. Additional buttons to adjust waist width. Wide waistband with wide belt loops. Right patch pocket, side seam pocket for marker and valve with press stud fastener. For better comfort trousers are completed with elastic straps. Yellow and gray trims are made of fire-resistant sewing thread. Name tags inside the jacket and

Cover fabric: "Caesar", 100% cotton, with flameretardant Proban® finish, density - 470 g/m², manufactured by Klopman, Italy.

Color: grey.

Fabric under patches: "Meteor", 100% cotton. with flame-retardant Proban® finish, density -335 g/m², manufactured by Klopman (Italy).

Color: gray.

Finish fabric: "Scala" (75% cotton, 25% polyester), with flame-retardant Proban® finish, density – 320 g/m², manufactured by Klopman (Italy).

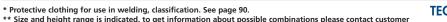
Color: lemon.

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility.

Color: yellow and gray. Size: 88/92 - 128/132.

Height: 158/164 - 182/188.**

GOST R 12.4.247-2008 "Protective clothing for protection from sparks and splashes of melted metal"



service or visit our website.





What is the Proban® process?

Proban® chemical is used to inpart a durable flame retardant treatment to cotton.

Durability is achieved by the formation of a cross-linked inert polymer within the fibre. Because there is no chemical reaction with the fibre the physical properties of the base fabrics are largely unaffected.

How are Proban® treated fabrics affected by flame?

Proban® treated fabrics decompose under the influence of a flame to form a localized insulating char which stays in place and helps to protect the wearer or acts as a barrier in other applications. Proban® treated fabrics do not smoulder, have no afterglow and flame does not spread outside the charred area. Proban® treated fabrics do not melt away to form a hole through which the flame can penetrate nor do they form a hot sticky residue which can adhere to the skin of the wearer.







Insulated liner, ear vents for unrestricted hearing and comfort, elastic band on the neck and the cape. Cape to be worn over the jacket's collar to provide extra protection from sparks. Velcro fasteners. Mesh ear vents covered with insulated valve. Elastic band ensures a snug, comfortable fit

Protective properties: TH Tp for protection from sparks, molten metal splash and low temperatures.

Fabric: "Caesar", 100% cotton, with flame-retardant Proban® finish, density – 470 g/m², manufactured by Klopman, Italy.

Lining: coarse calico (100% cotton).

Size: 55, 59, 63. GOST R 12.4.247-2008

3.125 THTP THTP Men's insulated welder suit "Caesar"

Jacket and trousers

3rd class of protection from sparks and splashes of melted metal, scale*

Suit with removable insulation. Special suit con-

Suit with removable insulation. Special suit construction with numerous fabric patches (at the forepart, at shoulders, sleeves and sides of the jacket as well as at trousers forepart, side seams, back) for maximum protection against burning and high temperatures. Jacket with right side button fastening with loops hidden by placket and inner flap to prevent penetration of sparks and dross. Removable chin valve. Inner windproof flap and wristlets to prevent penetration of sparks and dross. Special sleeve design corresponds to the basic position of a welder's arm at work. Special design of the pockets to prevent penetration of sparks and dross. Inner pocket for documents. THTp chevron on the sleeve. Trousers with high insulated belt, middle seam

with a zipper. Right patch pocket, pocket for marker. For better comfort trousers are completed with elastic straps.

Cover fabric: "Caesar", 100% cotton, with flame-retardant Proban® finish, density – 470 g/m2, manufactured by Klopman, Italy. Color: grev.

Fabric under patches: "Meteor", 100% cotton, with flame-retardant Proban® finish, density – 335 g/m², manufactured by Klopman (Italy). Color: gray.

Insulation: flame-retardant synthetic fiber, density – 100 g/m². Jacket – 3 layers, trousers – 2 layers.

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility.

Color: yellow and gray. **Size:** 88/92 – 128/132. **Height:** 170/176 – 182/188.** GOST R 12.4.247-2008 "Protective clothing for protection from sparks and splashes of melted metal"

GOST R 12.4.236-2007 "Low temperature protection wear"

GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic zone***

^{*} Protective clothing for use in welding, classification. See page 90

^{**} Size and height range is possible combinations please contact customer service or visit our website.

^{***} See the climatic zones outlay at the end of the catalogue.

Protection solution for welders



6.212 **У** ТрТит **У** lameshield 400 Men's welder suit **"Mars"**

Jacket and trousers

2nd class of protection from sparks and splashes of melted metal, scale*

Special suit construction with numerous fabric patches (at the forepart, at shoulders, sleeves and sides of the jacket as well as at trousers forepart, side seams, back) for maximum protection against burning and high temperatures. Jacket with right side button fastening hidden by placket and inner flap to prevent penetration of sparks and dross. Special sleeve design corresponds to the basic position of a welder's arm at work. Vent holes under arms and near shoulder-blades improve hygienic properties of the suit. Special design of the pockets to prevent penetration of sparks and dross. Inner pocket for documents. ТрТит chevron on the sleeve.

Trousers with button fasteners along the sides, right patch pocket, inner pockets for shock absorbing pads. For better comfort trousers are completed with elastic straps.

Fabric: Flameshield 400, 100% cotton satin weave, density - 400 g/m², with flame-retardant Proban® finish, manufactured by Carrington, UK.

Color: combination of bottle-green and red.

Size: 88/92 - 128/132. Height: 158/164 - 182/188.**

GOST R 12.4.247-2008 "Protective clothing for protection from sparks and splashes of melted metal" GOST 12.4.045-87 "Occupational safety standards system. Men's suits for protection against high temperatures"

8.105 Helmet liner "Mars"

Elastic band ensures a snug, comfortable fit. Flame resistant head protection which covers the head, neck, and shoulders. Velcro fastener.

Fabric: Flameshield 400, 100% cotton satin weave, with flameretardant Proban® finish, density – 400 g/m², manufactured by Carrington, UK.

Color: bottle-green. Lining: coarse calico (100% cotton).

Color: gray. Size: 55, 59, 63. GOST R 12.4.247-2008











Production:

Carrington, England. Conforms to European standards EN 11612, EN 14116, EN 11611

Fabric content: cotton – 100% Finish: flame-retardant Proban®

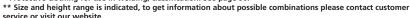
СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р ГОССТАНДАРТ РОССИИ

СЕРТИФИКАТ СООТВЕТСТВИЯ

Advantages of fabric:

- special weave enables sparkles and weld spatter to roll down the clothing without burning it
- ensures safety in accordance with occupational safety regula-
- Proban® durable flame retardant technology (fabric retains its properties after 200 wash cy-
- offers all day wear comfort and

^{*} Protective clothing for use in welding, classification. See page 90.





Protection solution for welders



3111 Proban

Production:

Carrington, England Conforms to European standards EN 11612. EN 14116

Fabric: cotton – 100%, density – 330 g/m²

Advantages of fabric:

- provides reliable protection against high temperatures
- ensures safety in accordance with occupational safety regulations
- has increased strength and durability
- stable under industrial laundering con-
- offers all day wear comfort and ease

3.133 TpTut 3111 Proban



Men's summer flame resistant suit "Mercurv" 1st class of protection from sparks and splashes of melted metal, scale*

The suit is recommended for jobs connected with metalcutting and metal working, in hot working shops, press shops as well as for auxiliary welding jobs in oil and gas industries, machine building, construction. Extra fabric patches at jacket forepart, sleeve midsection, at trousers forepart provide high protection against thermal radiation, from sparks and splashes of melted metal, scale (at distance 2 m away from the heat source). Special design of the jacket ensures optimal freedom of movement. Hidden fastener. Vent holes under the arms and on the back. Special design of the pockets to prevent metal sparkles and weld spatter getting in. Trousers contain inner pockets for shock absorbing pads.

Fabric: 3111 Proban®, fire resistant, 100% cotton, density – 330 g/m². Manufactured by Carrington, UK.

Color: blue, trimmings – red. Size: 88/92 - 128/132. Height: 158/164 - 182/188.**

GOST 12.4.045-87 "Men's suits for protection against high temperatures, Тит"

GOST R 12.4.247-2008 "Protective clothing for protection from sparks and splashes of melted metal, Tp".

see page 204.

^{*} Protective clothing for use in welding, classification. See page 90.

^{**} Size and height range is possible combinations please contact customer service or visit our website.

^{***} See the climatic zones outlay at the end of the catalogue.









3.131

Welder combi suit with split Jacket and trousers

Jacket with hidden button fastener, two side inseam pockets. Ventholes at the back, sleeve with inside cotton muffetee. Trousers with side button fasteners. Split leather patches on the jacket forepart, sleeves and trousers forepart. Provides protection at works accompanied by intensive weld spatter, during flux-cored CO₂ welding, air-arc and gas cutting, butt welding of large sections etc.

Fabric: canvas, fire-resistant, density – 550 g/m².

Size: 88/92 – 128/132. Height: 170/176 – 182/188.* GOST 12.4.045-87 GOST R 12.4.247-2008 3.123

Welder combi suit with split and detachable insulating liner

Jacket and trousers

Jacket with hidden button fastener, side inseam pockets. Trousers with side button fasteners, side inseam pockets. **Fabric:** canvas, fire-resistant, den-

sity – 550 g/m². **Insulating liner:** cotton pad,

2 layers. **Size:** 88/92 – 128/132.

Height: 170/176 – 182/188.* GOST 12.4.045-87 GOST R 12.4.247-2008

3.121

Welder suit, canvas Jacket and trousers

Jacket with hidden button fastener, side inseam pockets. Ventholes at the upper sleeve and at the back. Trousers with side inseam pockets.

Fabric: canvas, fire-resistant, density – 550 g/m². Size: 88/92 – 128/132. Height: 170/176 – 182/188.*

GOST 12.4.045-87 GOST R 12.4.247-2008 3.151

Heat-resistant cloth suit Jacket and trousers

Vent-holes at the upper sleeve. Extra cloth patches on foreparts, sleeve and trousers front. Coarse calico lined upper parts of jacket and trousers.

Fabric: cloth, fire resistant, density – 760 g/m². High temperature protection.

Field of application: hot working shops, metallurgy industry. **Size:** 96/100 – 120/124.

Height: 170/176 – 182/188.* GOST 12.4.045-87

3.152

Men's heat resistant suit Jacket and trousers

Jacket with hidden button fastener, side inseam pockets; upper sleeve with ventholes. Gussets at foreparts and on top of the sleeve. Trousers with patch pockets and gussets.

Fabric: "Moleskin" (100% cotton), fire-proof finish, density – 280 g/m².

Size: 88/92 – 128/132. **Height:** 158/164 – 182/188.*

GOST 12.4.045-87



Anti-Static Clothing



3.128 A Scotchlite Nega-Stat

Men's summer coat "Operator"

Central hidden fastener on buttons. Numerous pockets. Ventilation holes under arms. Sleeves with cuffs, elbow-pads to prevent chafing. Fabric: "Sojuz Antistat", with antistatic yarn NegaStat®, oil- and water-resistant, cotton - 70%, polyester - 30%, density - 250 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility. **Color:** blue, trimmings – cornflower blue.

Size: 88/92 - 128/132. Height: 158/164 - 194/200.*

GOST 27575-87

3.008 Scotchlite*

Men's summer coat "Operator" Fabric: "Premier comfort 250", anti-static, oil-

and water-resistant fabric with metalized fiber. cotton – 80%, polyester – 19%, anti-static fiber Bikinox (Belgium) - 1%, density - 250 g/m². GOST 27575-87

3.009 Scotchlite

Men's summer trousers "Operator"

Fabric: "Premier comfort 250", anti-static, oiland water-resistant fabric with metalized fiber, cotton - 80%, polyester - 19%, anti-static fiber Bikinox (Belgium) - 1%, density - 250 g/m². GOST 27575-87

3.129 Scotchlite* Nega-Stat*

Men's summer trousers "Operator"

Knee caps with slots for shock absorbing pads. Back patch pockets, tool pocket. Elastic waist band.

Fabric: "Sojuz Antistat", with antistatic varn NegaStat®, oil- and water-resistant, cotton – 70%, polyester – 30%, density - 250 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Color: blue. Size: 88/92 - 128/132. Height: 158/164 - 194/200.*

GOST 27575-87

3.126 Scotchlite Nega-Stat

Men's summer semi-overall "Operator"

Semi-overall with pockets. Knee caps with slots for shock absorbing pads. Elastic waist band.

Fabric: "Sojuz Antistat", with antistatic yarn NegaStat®, oil- and water-resistant, cotton - 70%, polyester - 30%, density - 250 g/m²

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Color: blue. Size: 88/92 - 128/132. Height: 158/164 - 194/200.* GOŠT 27575-87

8.022 8.022

Baseball cap
"Operator" See page 120.

3.127

Men's summer antistatic jacket "Operator Hi-Vis"

See page 36.

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



The jacket with detachable thermal insulation, central hidden button fastener. Side insulated patch pockets with flaps, radio set and ID-card pockets. Sleeves with woolen cuffs. Detachable insulated hood. Self-belt along the waistline and at the bottom for wind protection. Band collar insulted with Polartec® knitted fabric. Special sleeve design for comfort wear. Lining contains label for name appli-

Semi-overall with central double-slider zip fastening. Side pockets and patch pockets. Elastic tape on the back for comfortable fit.

Cover fabric: "Sojuz Antistat" with antistatic NegaStat® yarn, oil- and water-repellent (cotton – 70%, polyester – 30%), density – 250 g/m². **Reflective material:** 3M™ Scotchlite™ reflective

Insulation: "Thermofiber", density – 150 g/m², jacket – 3 layers, semi-overall – 2 layers. **Lining:** "coarse calico" + windproof fabric.

Color: dark blue, trimmings-cornflower blue. **Size:** 88/92 – 128/132.

Height: 158/164 - 194/200.*

GOST R 12.4.236-2007, GOST R 12.4.236-2011 Forth level of thermal protection, for use in climatic zones I, II III,IV and critical climatic zone**

"Sojuz Antistat" fabric with antistatic varn NegaStat®

Composition:

cotton - 70%, polyester - 30%, density - 250 g/m²

Advantages of the fabric:

- the static dissipative performance of Nega-Stat® is provided by the unique trilobal conducting core. This yarn is the most advanced mean for protection of workers from the risk of flame or exposure when static electricity is collected at the surface of the work-
- Nega-Stat® provides optimum antistatic protection in grounded and ungrounded applications
- yarn is a part of the fabric
- yarn retains its properties after washings
- fabric (cotton 70%, polyester 30%) provides softness, comfort and durability
- oil- and water-repellent coating provides protection from general industrial contamination

Thread without NegaStat® varr



Thread with NegaStat® yarn





^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.





3.127 🚆 🗗 💆 sm Scotchlite Nega-Stat

Men's summer jacket "Operator Hi-Vis" made from anti-static fabric

The jacket complies with Class 2 of warning wear for high visibility.

The jacket with zip-fastener. Numerous pockets: for documents, pass, mobile phone, pen. Jacket sleeves with gussets to prevent rubbing. Mesh ventilation under arms (2 layers of mesh). Inner name label. The most soiling-prone parts are made of dark blue mate-

Cover fabric: "Sojuz Antistat" fabric with NegaStat® yarn, anti-static, oil- and water-repellent (cotton - 70%, polyester - 30%), density 250 g/m². Color: dark blue.

Background material: "Vigour nega" high cotton content fabric with NegaStat® yarn, anti-static, oiland water-repellent (67% – cotton, 33% – polyester), density 240 a/m². Manufactured in EU. Complies with EN 471 European standard for high visibility warning wear.

Color: fluorescent yellow. Size: 88/92 - 128/132.

Height: 158/164 - 194/200.*

Reflective material: 3M[™] Scotchlite[™] reflective tape (5 cm width) provides maximum visibility. GOST R 12.4.219-99 "High-visibility warning

GOST 27575-87 "Men's suits for general industrial contamination and mechanical action protection."

3.069 Nega-Stat

Men's summer signal anti-static suit "Terminal-A" Jacket and trousers

The suit complies with Class 3 of warning wear for high visibility.

The jacket with zip-fastener. Zip-off sleeves quickly convert jacket to vest making it possible to work in hot weather. Numerous pockets: for documents, pass, mobile phone, pen. Cuffs for safe work while working around moving machinery. Trousers with elasticized cord belt, inner name label, pockets. Trousers with knee caps with slots for shock absorbing pads. The most soiling-prone parts are made of dark material.

Fabric: "Vigour nega" high cotton content fabric with NegaStat® yarn, anti-static, oil- and water-repellent (cotton - 67%, polyester - 33%), density 240 g/m². Manufactured in EU.

Complies with EN 471 European standard for high visibility warning wear.

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Color: fluorescent orange and blue Size: 88/92 - 128/132.

Height: 170/176 - 182/188.*

GOST R 12.4.219-99 "High-visibility warning clothing." GOST 27575-87

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

Special wear for oil industry workers

Men's summer anti-static suit for oil industry workers "OilStat" Type B - for protection from crude oil and petroleum products Jacket and semi-overall

Suit with numerous fabric patches (at the forepart of the jacket, at shoulders, sleeves as well as at the forepart of semi-overall, bottom, on the buttocks area). Long jacket with hidden loop and button fastening, the right side protective panel to prevent penetration of oil under clothing. Spacious side pockets, breast pocket for mobile phone. inner pocket for documents. Mesh ventilation under arms (2 layers of mesh) and back ventilation panels. Self belt along the waist line. Sleeves with elastic cuffs and "OilStat" chevron. Detachable hood with visor, mosquito netting with zip fastening (the net can be removed in a pocket on the hood), adjustable draw cord.

Semi-overall with zip-fastener, side and breast pockets. Gusset in the knee area improves comfort and freedom of movement. Elastic waistline.

Cover fabric: "Soiuz Antistat" fabric with NegaStat® yarn, anti-static, oil- and waterrepellent (cotton - 70%, polyester - 30%). density 250 g/m².

Color: dark blue, cornflower blue.

Patches: "Oxford 210T" PU-coated (100% polyamide), density 150 g/m². The fabric is resistant to oils, gasoline, crude oil and petroleum products.

Color: dark blue, cornflower blue.

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST 12.4.111-82 "Men's overalls for oil and oil products protection"

The main activities of oil filed development process are carried out in the open air. The oil and its components, as well as chemicals used in the process are toxic and potentially explosive. That's why it is important to provide workers of oil producing companies with decent protection against aggressive environment and severe weather conditions. We offer clothing for the oil industry, which is specifically designed in accordance with the requirements to oil workers wear.





Men's summer suit "Neftvanik" Type A – for protection from industrial pollution by oil products Jacket and trousers

The jacket with hidden loop and button fastening, pockets. Removable hood with button fas-

Elbow-pads. Vent holes under arms. Trousers with side pockets and kneecaps.

Fabric: 100% cotton, oil- and water-repellent, density - 280 g/m².

Size: 88/92 - 128/132.

Height: 158/164 - 182/188.* GOST 12.4.111-82





Special wear for oil industry workers



2.113 Scotchlite Seffective Material





Men's insulated anti-static suit "OilStat"

Type A for protection against crude oil and petroleum products Jacket and semi-overall

Suit with removable insulated liner, protective patches (at the forepart of the jacket, at shoulders, sleeves as well as at the forepart of semi-overall, bottom, on the buttocks area).

Jacket with central double slider zip fastening and wind-protective flap. Self-belt along the waistline and at the bottom for wind protection. Spacious patch pockets, pocket for mobile phone. Sleeves with elastic cuffs and "OilStat" chevron. Fleece band-collar. Detachable insulated hood with visor. Removable insulated liner with pockets, knitted wristlets.

Semi-overall with zip-fastener, wind-protective flap. Side and breast pockets. Gusset in the knee area improves comfort and freedom of movement.

Cover fabric: "Sojuz Antistat" fabric with NegaStat® yarn, anti-static, oil- and waterrepellent (cotton - 70%, polyester - 30%), density 250 g/m².

Color: dark blue, cornflower blue. Patches: "Oxford 210T" PU-coated (100% polyamide), density 150 g/m². The fabric is resistant to oils, gasoline,

crude oil and petroleum products. Color: dark blue, cornflower blue.

Insulation: "Thermafiber", density – 100 g/m², jacket – 3 layers, semi-overall – 2 lay-

Lining: calico + windproof fabric.

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Size: 88/92 – 128/132. Height: 170/176 - 182/188.*

TU 17-08-269-87 "Men's overalls for oil and oil products protection, protection against low temperatures"

Forth level of thermal protection, for use in climatic zones I, II, III and IV and critical climatic

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.

Modern acid-proof suit

3.161







Production:

"Concordia". Belgium

Complies with European standard EN 368

Fabric: 100% polyester, density - 230 g/m² Teflon® coated

Advantages of fabric:

- provides protection against acids up to 80% concentration
- ensures safety in accordance with occupational safety regu-
- thanks to use of unique polyester fiber provides a high level of chemical protection and comfortable wearing
- durable fabric coating retains its properties after repeated washings





3.164

Men's acid-proof suit "Chemosafe"

Jacket, trousers, cap

For protection against acids from 50 to 80% concentration (sulfuric acid)

Jacket with hidden button fastener. Breast and side pockets. The back is pleated for freedom of movement. Sleeves with buttoned cuffs. Trousers with pockets.

Warning elements: bright orange fabric and orange color finish line

Fabric: "Chemosafe", acid-proof, 100% polyester, Teflon® by DuPont coating, density - 230 g/m², made by "Concordía", Belgium

Color: blue, trimmings - orange. Size: 88/92 - 128/132.

Height: 170/176 - 182/188.* GOST R12.4.248-2008

3 class of protection - K80 for protection against acids from 50 to 80% concentration**



3.161

Men's acid-proof summer suit Jacket, trousers, cap

For protection against acids from 50 to 80% concentration (sulfuric acid)

Jacket with hidden button fastener, side inseam pockets. Adjustable elastic sleeve bottom. Comfortable sleeve construction: with hands up the jacket bottom remains in place. Trousers with side patch pockets.

Fabric: polyester, with acid-proof finish K-80 (protection against acids with concentration up to 80%) density - 245 g/m².

Color: blue. Size: 88/92 - 128/132. Height: 158/164 - 182/188. GOST R12.4.248-2008

3 class of protection - K80 for protection against acids from 50 to 80% concentration**

3.141

Acid-proof suit, cloth Jacket and trousers

For protection against acids from 50 to 80% concentration (sulfuric acid)

Jacket with hidden button fastener, side inseam pockets. Trousers with button fastener, side patch pockets. Fabric: gray overcoat cloth, acidproof finish K-80 (protection against acids with concentration up to 80%), density - 760 g/m². **Size:** 96/100 – 120/124.

Height: 170/176 - 182/188.* GOST R12.4.248-2008 3 class of protection - K80 for protec-

tion against acids from 50 to 80% concentration**

3.162

Women's acid-proof robe "Zaschita"

For protection against acids from 50 to 80% concentration (sulfuric acid)

Robe with button fastener, patch pockets, sleeves with cuffs. Fabric: Polyester, with acid-proof finish K-80 (protection against acids with concentration up to 80%), density – 245 g/m^2 .

Color: blue.

Size: 88/92 - 128/132. Height: 158/164 - 170/176.* GOST R12.4.248-2008

3 class of protection - K80 for protection against acids from 50 to 80% concentration**

Men's acid-proof robe "Zaschita'

For protection against acids from 50 to 80% concentration (sulfuric acid)

Robe with button fastener, patch pockets, sleeves with cuffs. Fabric: Polyester, with acid-proof finish K-80 (protection against acids with concentration up to 80%), density -245 g/m^2 .

Color: blue.

Size: 88/92 – 128/132. Height: 170/176 - 182/188.*

GOST R12.4.248-2008

3 class of protection - K80 for protection against acids from 50 to 80% concentra-



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} Protection against acids. Classification. See page 261.





"Technoavia" presents protective clothing made of unique material Tyvek® manufactured by DuPont, the global leader in industrial safety. "Technoavia" acts as distributor and exclusive licensee of DuPont in Russia and CIS countries

Chemical protection coveralls Tyvek®

Coveralls are made of Tyvek® and are designed for man protection against hazardous agents or for protection of exposure sensitive materials, stuffs and processes against contamination by man in superclean environment.

- provide excellent protection aganst fine-dispersed dust (2 μ m or more), splashes of water and many other liquid chemicals (acids and up to 30% water alkalies) as well as their aerosols
- feature a smooth face preventing from particle adhesion
- have antistatic finish considerably limiting electrostatic charging of the coverall
- provide good vapour and air permeability, i.e. material is "breathing" thus cutting down thermal load and reducing worker's sense of discomfort
- do not soil: no pile or dust, lint and silicon free
- have little weight and at the same time sufficient mechanical strength
- garments are made of 100% low-pressure polyethylene, therefore they
 may be burned (they do not release halogen containing compounds) or
 landfilled for utilization in accordance with the procedure established
 for polyethylene products
- seam design provides extra protection, serviceability and safety of coveralls
- coveralls have CE marking (chemical protection clothing) what puts it into Category 3 of personal protective equipment according to EU classification
- the product is certificated in EU countries and in the USA and has Russian Certificate of Conformity

Dressing and undressing procedures for chemical protective coverall Tyvek®

Safety – is an overriding priority of DuPont company and a part of Tyvek® and Tychem® products philosophy.

One of the most important aspects of security is the correct way to don and remove protective coveralls.

The correct procedure provides:

- the highest level of protection
- compatibility with various PPE (for hand, eye and respiratory protection)
- the integrity and purity of the inner space
- great ease of movement, this would result in an increase in labour productivity
- PPE cost savings

For additional information please contact "Technoavia" experts

The correct way to undress Tyvek® coverall

The procedure for removing the suit should focus on the potential threat from the contaminated outer surface of the suit. Ideally a second person dressed in a protective clothing garment and other appropriate personal protective equipment provides assistance.

The correct way to dress Tyvek® coverall

Choose the right size (coverall can be worn over personal clothing, size may differ from the actual)



Check the garment



Take off your shoes to avoid mechanical damage and to reduce the risk of chemical contamination. Dress it in a sitting position







Special attention should be paid to proper order in which personal protective equipment (PPE) should be donned



Close the zipper as far as possible and make sure that the zipper flap covers the entire zipper



Put on the gloves (ideally inner and outer glove), sleeve should be worn over inner gloves and under the outer gloves to ensure the worker protection from contaminations, which can be very dangerous, when removing PPE















Chemical protective overall Tyvek® Classic

- Barrier effect protection against hazardous dry dust and waterbased chemicals
- Protection against the effect of acid alkaly water solutions in 30-40% concentration and with up to 0,12 bar pressure
- Protection against solid particles
 (2 µm or more)
- Complies with Type 5 and 6 of protective clothing classification
- Protection against pradioactive

particle penetration in accordance with EN 1073-2 standard

• Electrostatic protection in accordance with EN 1149-1 standard

Smooth face

Color: white. **Size:** S – XXXL.* **GOST 12.4.100-92**

6.014

Chemical protective overall Tyvek® Classic, blue Color: blue.

Color: blue. **Size:** S – XXL.* **GOST 12.4.100-92**

6.010

Chemical protective overall Tyvek® Classic, green

Color: green. Size: S – XXL.* GOST 12.4.100-92

6.015

Men's dust-protective suit Tyvek® Jacket and trousers

- Protection against dry dust and water-based chemicals
- Electrostatic protection in accordance with EN 1149-1 standard
- Smooth face

Size: 96/100 – 120/124. **Height:** 170/176 – 182/188.*

GOST 29057-91















¹⁰⁴



6.018 Chemical protective overall Tyvek® Classic Plus with socks

- Higher protection level as compared to Tyvek Classic when working with toxic dry particulate environment and/or where liquid penetration through seams should be avoided
- The only nonwoven suit with tight seams for Type 4, 5, 6 of protective clothing classification
- Best fit for respirators and masks
- Protection against pradioactive particle penetration in accordance with EN 1073-2 standard
- lectrostatic protection in accordance with EN 1149-1 standard
- Smooth face

Color: white. Size: S - XXXL.* GOST 12.4.100-92

Pictogram explanation



Type 3 Liquid jet impermeable clothing



Type 4
Aerosol impermeable clothing



Type 5 Hard micro particles impermeable clothing



Type 6 Clothing of limited splash permeability







Barrier properties of Tyvek® materials

Main application fields of Tyvek® Classic and Tyvek® Classic Plus overalls • Aircraft industry • Aerodrome services • Fuel-supply complexes • Oil and gas recovery transportation

- Oil and gas recovery, transportation and refinement
- Tank cleaning for residual non-toxic stuff removal
- Chemical industry
- Agriculture
- Construction repair and finish work
- Construction material production
- Paintworks
- Automotive industry
- Precision machinery industry
- Food industry
- Flour-milling enterprises
- Waste recovery
- Nuclear industry
- Pharmaceutics
- Mineral resource industry
- Transportation of hazardous goods
- Electronics manufacturing industry
- "Clean" rooms and supercleanspace rooms
- Production engaged in asbestos ore dressing and processing
- Housing and communal services
- Emergency Control Ministry and Internal Affairs Ministry units
- Graphic arts
- Glass industry
- Production of thermal insulation materials
- Steam and heat/power plants
- Various surface polishing
- Protection of processes against contamination by man

Tyvek®	Tychem®C	Tychem®F
41 g/sq. m	83 g/sq .m	115 g/sq .m
100% of particles of more than 2 µm size	100% for all sizes	100% for all sizes
Inorganic water- based acids and alkalis (up to 30%)	Inorganic and some organic acids and alkalis	Inorganic and or- ganic acids and alkalis
120 cm	More than 300 cm	More than 300 cm
Average	100%	100%
High	100%	100%
Yes	Yes	Yes
Both surfaces	Inside surface	Inside surface
Retains flexibility up to -73°C. Melts at +135°C	Retains flexibility up to -73°C. Garment seams break up at +98°C	Retains flexibility up to -73°C. Garment seams break up at +98°C
	Tyvek® 41 g/sq. m 100% of particles of more than 2 µm size Inorganic waterbased acids and alkalis (up to 30%) 120 cm Average High Yes Both surfaces Retains flexibility up to -73°C.	Tyvek® Tychem®C 41 g/sq. m 83 g/sq .m 100% of particles of more than 2 µm size Inorganic waterbased acids and alkalis (up to 30%) 120 cm More than 300 cm Average 100% High 100% Yes Yes Pes Retains flexibility up to -73°C. Melts at +135°C Retains flexibility up to -73°C. Garment seams break up at



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



Reliable protection under extreme service conditions

For handling of many toxic and deleterious substances higher protection class rating is required than that of Tyvek® Classic and Tyvek® Classic Plus, such protection is provided by Tychem®C and Tychem®F coveralls





Tychem®C

Tychem®C is a material worked out for application in chemical protective suits.

It consists of Tyvek® material as substrate and polymeric coating laminated to it and closing interstice in Tyvek®, making it absolutely impermeable to unhealthy extra-fine dust particles, powders, certain aerosol and spray chemicals, concertated acids and alkaliea and also salt water based solutions. Withstands water column pressure up to 2 bar. Besides, it protects against blood and haematogenic pathogens.

Tychem®C is noted for elasticity and light weight. Tychem®C antistatic treatment substantially reduces material electrostatic charging.

In case of necessity addition coverall grounding is recommended to avoid electrostatic charge accumulation.

6.016

Chemical protective coverall $\ensuremath{\textbf{Tychem}}\xspace \ensuremath{\textbf{e}}\xspace \ensuremath{\textbf{C}}$ with socks

- Integrated socks
- More reliable protection under extreme service conditions
- Best solution for protection against inorganic acids and alkalies of high concentration under up to 2 bar pressure
- Impermeable for any size hard particles
- Alternative to acid-proof suits
- Antistatic finish inside, electrostatic charge protection in accordance with EN 1149-1 standard
- Used for various tank cleaning
- Used at oil industry enterprises for oil recovery and refinement, at chemical and pharmaceutical enterprises, in emergency recovery

Size: S - XXXL.* GOST 12.4.100-920





Tychem®F

Tychem®F is a high service performance barrier material worked out for application in chemical protective garments.

It is made by laminating Tyvek® material to barrier film with polymeric coating. Film and polymer combination makes this materiable impermeable for for hard particles (hazardpus dust and powders) and sufficiently resistant to infiltrstion of many liquids (concentrated inorganic acids and alkalies,numerous organic chemicals, blood and haematogenic pathogens), some aerosol chemicals as well as many widely used gases. Tychem®F is resistant to fluid discharge under pressure up to 5 bar.

Tychem®F antistatic treatment substantially reduces material electrostatic charging.

In case of necessity additionl coverall grounding is recommended to avoid electrostatic charge accumulation.

6.017

Chemical protective overall **Tychem**®F with socks

- Best solution for protection against organic solvents and bilogical hazards
- Safe protection against liquid inorganic chemicals of high concentration under up to 5 bar pressure
- Impermeable for any size hard particles
- Compatible with other PPE
- Antistatic finish inside, electrostatic charge protection in accordance with EN 1149-1 standard
- Used at oil industry enterprises for oil recovery and refinement, at chemical and pharmaceutical enterprises, as defense against warfare toxic agents, in emergency recovery

Size: S - XXXL.* GOST 12.4.100-80









Logger protective work wear

Suits "Lesorub" provide excellent protection for chain saw users!

Meet requirements of: EN 381-2, class 1,20 m/s. Comfortable and durable, made of extra durable Woodman fabric made in Finland (4 layers) and Foreman fabric.

Advantages of Foreman Saw protective knitted fabric:

- high strength, high resistance to mechanical stress
- high tear resistance (2 times higher than of analogues mixed fabrics)
- strength and durability in use
- provides protection from moisture, rain, snow
- high density of the fabric offers protection against irritating mosquito bites
- fluorescent orange trim for high visibility
- stable under industrial laundering conditions

fabric "Woodman:

- polyester and polypropylene fibers of special weave provide the maximum cut resistance
- 4 layers of protection, Protection Class 1 (=20 m/s). Protective fabric releases threads in case of accidental contact of the teeth of a chainsaw with the clothing of the user so as to stop the saw before it reaches the body. Polypropylene fibers block it
- the fibers do not absorb water
- saw protective material is made of polyester (30%) and filled with fibers of polypropylene (70%), density 290 g/m²
- meets requirements of: EN 381-5, class 1



3.154

Men's summer suit "Lesorub" Jacket and semi-overall

Jacket with central zip fastening and wind-protective flap. Detachable hood with a zip fastening and mosguito net. Mosquito net does not touch your face thanks to the peak on the hood. Breast pockets with flaps, lower spacious patch pockets with flaps, inside pocket with flap. Ventilating eyelets with mesh lining on the back to prevent insect penetration. Vent holes with 2 layer mesh lining under the arms for better ventilation. Self-belt at the bottom as additional protection **Height:** 170/176 – 182/188.* against the wind. Reinforced elbow area up to the bottom of the sleeve (4 layers of fabric), elastic cuffs. The trousers are reinforced with 4 layers of fabric in front and back parts of the leg and side parts (for extra protection against cuttings).

Cover fabric: "Foreman" (Concordia, Belgium), Teflon® (DuPont) coated (polyester – 67%, cotton – 33%), density - 252 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Patches: saw protective knitted fabric "Woodman" (Finland), (polyester – 30%, polypropylene – 70%), density - 290 g/m².

Size: 88/92 - 128/132.

GOST 27575-87

Men's cold-protective suit "Lesorub"

Jacket and semi-overall

Men's suit for protection against low temperatures and mechanical stress.

Jacket with central double slider zip fastening and wind-protective flap. Patch pockets. Band collar is insulated with soft knitted fabric Polartec®. Detachable insulated hood. Self-belt at the bottom as additional protection against the wind. Reinforced elbow area up to the bottom of the sleeve (4 layers of fabric), half woolen wristlets.

Semi-overall with central double slider zip fastening. The trousers are reinforced with 4 layers of fabric in front and back parts of the leg and side parts (for extra protection against cuttings). Removable back with zip for better comfort. Inside turn-ups, foot loops made of

Cover fabric: "Foreman" (Concordia, Belgium), Teflon® (DuPont) coated (polyester - 67%, cotton -33%), density - 252 g/m².

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

Patches: saw protective knitted fabric "Woodman" (Finland), (polyester – 30%, polypropylene – 70%), density -290 g/m^2 .

Insulation: "Thermafiber", the number of layers veries depending on the climatic zone.

Color: grey, trimmings-fluorescent orange.

GOST R 12.4.236-2007

GOST R 12.4.236-2011

Forth level of thermal protection, for use in climatic zones I, II III,IV and critical climatic zone**



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.

^{**} See the climatic zones outlay at the end of the catalogue.



Waterproof **Work Wear**

Employees of road services, housing maintenance and utilities, airport services, construction workers, employees of railways and the oil and gas industry are often working outdoors in the rain, so they need to be protected from bad weather.

"Technoavia" company offers a wide selection of waterproof clothing: coats, suits, jackets, windbreakers.

Some models are both waterproof and signal, which is convenient for roadwork, rail track maintenance, construction site work, work on platforms.

Particular attention should be given to a high-tech wear made of breathable fabric, which provides a high level of comfort all day long (models 3.233, 3.234, 3.199, 3.189). Sealed seams garments provide high level of water protection.



Men's cold-protective warning windbreaker jacket "Storm control" 🚉 🗇



3.233 Color: fluorescent yellow, dark blue.

The jacket complies with Class 3 of warning wear for high visibility.

Water-proof, breathable fabric and taped seams provide maximum water protection even during heavy downpours. Thermal reflective tape is applied using thermal transfer printing method; fabric is not punctured with a needle. Removable zip-fastened heat insulating waistcoat. Jacket with central double slider zip-fastener and wind-protective overlap. Comfortable pockets. Detachable hood. Cord adjustable bottom.

Cover fabric: outerwear, 100% nylon, membrane type (10000 mm waterproof rating, the water vapor permeability – 8000 g/m²/24h), breathable, wind-proof, water-proof, density 210 g/m².

Background material: "Absolute" – 100% polyester, membrane type (10000 mm waterproof rating, the water vapor permeability – 8000 g/m²/24h), cold resistant, breathable, wind-proof, water-proof (LT-membrane™), density 210 g/m². Complies with EN 471 European standard for high visibility warning wear.



3.234 Color: fluorescent orange, dark blue

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum

visibility. Lining: 100% polyester.

Removable heat insulator: Polarte® (100% polvester).

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST R 12.4.219-99 "High-visibility warning clothing."

GOST 27643-88 "Men's waterproof suits."

Class-3 signal high-visibility work wear

Unique clothing is designed for comfort, protection from rain and increased visib<u>ility!</u>

Absolute fabric

Fabric content: 100% polyester.

density 210 g/m²

Advantages of fabric:

- Latest Fabric Technology. Complies with the international standards for high visibility warning wear (10000 mm waterproof rating, the water vapor permeability – 8000 g/m²/24h).
- Thanks to LT-membrane fabric is breathable, wind-proof, water-proof
- Provides maximum protection from rain, snow, wind
- Does not lose its original quality even after repeated washings
- Retains softness at low temperatures





Men's warning raincoat "Absolute"







3.199 Color: fluorescent yellow, dark blue.

The raincoat complies with Class 3 of warning

wear for high visibility.
Special design, water-proof, breathable fabric and taped seams provide maximum water protection. Thermal reflective tape is applied using thermal transfer printing method, fabric is not punctured with a needle. The raincoat has a free size, could be worn on the summer and winter uniform. Vent holes on the back and in the arm pits. Hood with width adjustment. Reflective band on the hood in a form of an arrow for safety and increased visibility from above (especially important for employees of airport technical services). Velcro adjustment strap on the cuffs for protection against water.

Cover fabric: outerwear, 100% nylon, membrane type (10000 mm waterproof rating, the water vapor permeability - 8000 g/m²/24h), breathable, wind-

proof, (LT-membrane™), density 210 g/m². **Background material:** "Absolute" – 100% polyester, membrane type (10000 mm waterproof rating, the water vapor permeability - 8000 g/m²/24h), cold resistant, breathable, wind-proof, water-proof (LTmembrane™), density 210 g/m². Complies with EN 471 European standard for high visibility warning

Reflective material: 3M™ Scotchlite™ reflective tape (5 cm width) provides maximum visibility.

3.189 Color: fluorescent orange, dark blue.

Size: 88/92 - 128/132. Height: 170/176 - 182/188.*

GOST R 12.4.219-99 "High-visibility warning clothing."

GOST 12.4.134-83 "Men's waterproof raincoats."







3.216 ♥ ♥ Вн Нс Нл Нм Men's PVC waterproof suit "Cyclone" with reflective tape

Suit is made of the durable, soft and flexible PVC coated polyester base fabric, leakproof welded seam. The design of the suit, the fabric and welded seams offer protection against water, wind, crude oil and petroleum products. Cold resistant fabric, suit can be worn even in cold weather. Jacket with press stud fasteners, side slit pockets with flap, armpit vent holes, vent holes on the back. The volume of the hood allows you to wear it on the helmet. Press studs for sleeve width adjustment.

Trousers with elastic waist line, press stud adjustment for the pant leg

Cover fabric: PVC (polyvinyl chloride) coated polyester base fabric, density -280 a/m².

PVC coating thickness: 0.36 mm. **Reflective material:** reflective tape (50 mm width) provides maximum visibility.

Color: dark blue.

Manufacturer: "AJ Group" (Poland). Size: 96/100 - 120/124. Height: 170/176 - 182/188.*

GOST 27643-88



3.215 ♥ ♥ Вн Нс Нл Нм Men's PVC waterproof raincoat "Cyclone" with reflective tape

Raincoat is made of the durable, soft and flexible PVC coated polyester base fabric, leakproof welded seam. The design of the raincoat, the fabric and welded seams offer protection against water, wind, crude oil and petroleum products. Cold resistant fabric, coat can be worn even in cold weather. Press stud fasteners, side slit pockets with flap, armpit vent holes, vent holes on the back.

The volume of the hood allows you to wear it on the helmet. Press studs for sleeve width adjustment.

Cover fabric: PVC (polyvinyl chloride) coated polyester base fabric, density 280 g/m². PVC coating thickness: 0.36 mm.

Reflective material: reflective tape (50 mm width) provides maximum visibility.

Color: dark blue.

Manufacturer: "AJ Group" (Poland). Size: 96/100 - 120/124. Height: 170/176 - 182/188.*

GOST 12.4.134-83 "Men's waterproof raincoats."

3.191 Men's rubber coat

Offset button fastener, button-off hood, two patch flapped pockets, turn-down collar. Vent-holes at the back and at the upper sleeve. Fabric: rubber – coated cotton.

Size: 96/100 - 120/124. Height: 170/176 - 182/188.*

GOST 12.4.134-83

3.194

Polyethylene raincoat GOST R 50962-96

5.222

PVC boots for fishermen See page 148.

5.244

PVC boots with semi-overall See page 146.

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



Waterproof raincoat Nylon + PVC

3.195 Color: green.

■ 3.196 Color: blue.

Very light. Tight seams. Vent-holes at the upper sleeve and under yoke. Protection against moisture and weak acids. High-resistance against mechanical effects. Individual package. Thickness of PVC coating: 0,18 mm.

Sizes: XL - XXXL.* GOST 12.4.134-83 Waterproof suit Jacket and trousers Nylon + PVC

GOST 27643-88

3.206 Color: green.

■ **3.202** Color: blue.

Very light. Tight seams. Vent-holes at the upper sleeve and under yoke. Protection against moisture and weak acids. High-resistance against mechanical effects. Hooded jacket, elasticized trousers belt. Individual package. Thickness of PVC coating: 0,18 mm.

Sizes: from XL to XXXL.*

3.205 Waterproof suit

Jacket and trousers
Thickness of PVC coating: 0,18
mm.

Color: camouflaged. Fabric: PVC coated nylon. Size: XL – XXXL.* GOST 27643-88

6.001 Protective suit L-1

Made of rubber cloth. Whole-cut trousers with shoe covers. Hooded jacket. Two-finger gloves. Taped seams. Intended for protection against liquid acids, alkalis, toxic agents, biological hazards.

Application areas: chemical industry, agriculture, community services, sanitary technical works.

Fabric: T-15.

Height: 1 (48/50) – 4 (60/62).* TU 8572-002-58038036-2010

6.002 ♥ Water-proof suit LGN for miners

Jacket and trousers

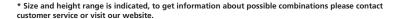
Intended for water protection. Tight seams. Made of rubber cloth.

Area of application: metal mining industry.

Size: 88/92 – 120/124. **Height:** 170/176 – 182/188.*

GOST 27643-88





BUSINESS CLASS



Women's vest "Milan"

Composition: 50% merino wool, 50% polyester;

Balanced composition of yarn provides excellent performance: clothes are not deformed, do not fade.

Size: 84 – 116.

Height: 158/164 - 170/176.* GOST R 53142-2008

4.096 Men's jumper "Milan"

Composition: 50% merino wool, 50% polyester; Class 14.

Balanced composition of yarn provides excellent per-

formance: clothes are not deformed, do not fade. **Size:** 92 – 116.

Height: 170/176 – 182/188.* GOST R 53147-2008

4.098 Men's vest "Milan"

Composition: 50% merino wool, 50% polyester;

Class 14.

Balanced composition of yarn provides excellent performance: clothes are not deformed, do not fade. **Size:** 92 – 116.

Height: 170/176 - 182/188.*

GOST R 53147-2008

4.097 Women's jumper "Milan"

Composition: 50% merino wool, 50% polyester;

Balanced composition of yarn provides excellent per-

formance: clothes are not deformed, do not fade. **Size:** 84 – 116.

Height: 158/164 - 170/176.*

GOST R 53142-2008



3.063 POLARTEC

Jacket with zip-fastener, Polartec® fabric

Long jacket with central zip-fastener, band collar. Side pockets. Adjustable bottom. Fabric: Polartec® knitwear.

Size: 88/92 – 128/132. Height: 170/176 - 182/188* GOST 25295-2003

Men's uniform jumper with patches

Fabric: wool – 30%, polyester – 70%. Nylon elbow patches prevent extra wear and deformation in the elbow area. Color: black.

Jumper with V-neck. **Size:** 96 – 128.

Height: 170/176 - 182/188.* GOST R 53147-2008

4.092

Men's uniform jumper with patches

Fabric: wool – 30%, polyester – 70%. Nylon elbow patches prevent extra wear and deformation in the elbow area.

Color: blue. Jumper with round neck.

Size: 96 – 128.

Height: 170/176 – 182/188.* GOST R 53147-2008

4.091

Men's sweater

Fabric: wool – 30%, polyester – 70%.

Size: 96 – 124. **Height:** 170/176 – 182/188.* GOST R 53147-2008

3.181

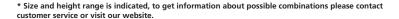
Flannel shirt

Fabric: cotton – 100%.

Size: 38 – 46.

Height: 170/176 – 182/188.* GOST R 50504-2009









^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.







TECHNOAVIA®

4.011

Camouflage undershirt

Fabric: cotton – 100%. Size: S – XXXL.* GOST R 53144-2008 GOST R 53145-2008

4.041

Camouflage T-shirt Fabric: cotton – 100%.

Size: 88/92 - 128/132.* GOST R 53144-2008 GOST R 53145-2008

8.406 Polo shirt "Texpergo" (89383)

Functional and light. Fabric: 100% polyester, Climazone® technology. Regulates the microclimate rights – effectively removes excess heat and moisture, maintaining a normal body temperature.

Color: black. Size: S - XXXL.*

density – 200 g/ m^2 .

GOST R 53147-2008

density - 200 g/m².

Size: S - XXXL.*

Color: blue. GOST R 53147-2008

Size: S – XXXL.*

4.021

^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.





4.051

Summer singlet (telnyashka)

Fabric: cotton - 100%. **Size:** 96 – 124.* GOST R 53145-2008

4.061

Winter terry singlet (telnyashka)

Fabric: cotton - 100%. **Size:** 96 – 124.

Height: 170/176 - 182/188.*

GOST R 53145-2008

4.063

Winter terry singlet, dark blue

Fabric: cotton - 100%. Size: S - XXXXL.* GOST R 53145-2008



4.001 Singlet (telnyashka) Fabric: cotton - 100%. **Size:** 96 – 124.* GOST R 53145-2008



Cold Weather Underwear!

Thermal underwear "Hunter" is produced for workers who spend a lot of time outdoors in the cold and severe weather conditions, hunters, fishermen, tourists.

- Thermo-underwear helps organism to keep up the optimum balance of body's temperature;
- Reduces muscles fatigue;
- Plane stitches don't rub skin during long wear;
- Cuffs on the sleeves with a cut for the thumb:
- High collar on the zipper;
- Temperature +5°C -30°C.

Contains: 50% thermolite, 47% merino wool, 3% lycraю Size: M - XXXL.*

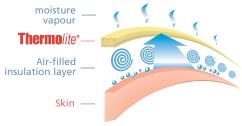
Made in Germany GOST R 53145-2008

GOST R 53144-2008

 $\begin{array}{l} 4.045 \\ \text{"Hunter" men's thermal underwear, shirt} \end{array}$

 $\begin{array}{l} \textbf{4.046} \\ \textbf{"Hunter"} \text{ men's thermal underwear, trousers} \end{array}$

Termolite® fabrics, mode of functioning



4.047 Men's socks "Extreme"

Special structure of tissue provides the maximum comfort in the low temperature conditions and during high body bur-

Contains: 70% merino wool, 11% thermolight, 13% polyamid, 5% elastic, 1% lycra. Size: S-35/38, M-39/41, L-42/44, XL-45/47*

Made in Germany GOST 8541-94





^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



^{*} Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.







8.171 Military peaked cap with a high crownClassic model. Stiff band. Lacquered peak. **Color:** blue

Color: blue **Size:** 54 – 62.* **TU 858-5313-94**



8.063 Side-cap Made by request Fabric: half wool Color: dark blue. Size: 56 – 59.* GOST R 53916-2010



8.005
Winter hat "Yenisey" with helmet mountings.

Combined lining: the central part and the walls are made of flannel, ears and the lower part of the visor – sheepskin fur. Velcro fastener. The peak is fixed with two buttons. There are 4 straps with velcro fasteners outside for protective helmet mounting.

Cover fabric: 100% polyester, membrane-type (10000 mm waterproof rating, the water vapor permeability – 8000 g/m²/24h), frost resistant, breathable, wind-proof (LT-membrane™), density – 150 g/m².

Insulation: Tinsulate® (bottom – 3 layers, peak and ears – 1 layer) and fur.

Size: 54 – 64.*

GOST 10325-79



8.122
Winter fur cap "Nord"

Bottom of the lining is made of flannel, insulated with two layers of Thinsulate™ and windproof fabric. Cap includes ear vents which could be closed with additional ear-flaps. The cap liner fastened with buckle. Fabric: mixed, (65% polyester, 35% cotton), water-re-

pellent finish, density 210 g/m².

Lining: sheepskin fur and flannel (100% cotton), density – 175 g/m².

Insulation: Thinsulate®. **Size:** 54 – 64*.

GOST 10325-79



8.152 Astrakhan hat with leather top and lacquered peak Size: 55 – 62.* GOST 10325-79



8.151

8.151 Astrakhan hat with leather top Size: 55 – 62.* GOST 10325-79



8.141 Men's fur cap with leather top **Insulation:** sheepskin. **Size:** 54 – 64.* GOST 10325-79

8.121



Women's fur cap with leather top **Size:** 54 – 62.* GOST 10325-79



8.105 Helmet liner "Mars"

Elastic band ensures a snug, comfortable fit. Flame resistant head protection which covers the head, neck, and shoulders. Velcro fastener.

Fabric: "Flameshield 400", 100% cotton satin weave, with flame-retardant Proban® finish, density – 400 g/m², manufactured by Carrington, UK.

Color: bottle-green

Lining: coarse calico (100% cotton). Color: grav.

Size: 54-56, 57-60, 61-64. GOST R 12.4.247-2008



8.106 Insulated helmet liner "Caesar"

Insulated liner, ear vents for unrestricted hearing and comfort, elastic band on the neck and the cape. Cape to be worn over the jacket's collar to provide extra protection from sparks. Velcro fasteners. Mesh ear vents covered with insulated valve. Elastic band ensures a snug, comfortable

Protective properties: TH Tp for protection from sparks, molten metal splash and low temperatures.

Fabric: "Caesar", 100% cotton, with flame-retardant Proban® finish, density – 470 g/m², manufactured by Klopman, Italy.

Lining: coarse calico (100% cotton).

Size: 54-56, 57-60, 61-64. GOST R 12.4.247-2008



8.233 Fleece helmet liner Soft and comfortable helmet liner adjusted with elastic lacing. Cape covers

8.233

Fabric: "Fleece", 100% polyester. GOST R 53916-2010

the neck.



Men's fur hat with woolen cloth. black Size: 54 - 64.* GOST 10325-79



Winter cap made of artificial fur Color: black. Size: 55 - 62.* GOST R 53916-2010

8.101



8.104 **Fur helmet liner**



8.111 **Knitted helmet liner** GOST 5274-90



8.110 Knit 3 hole face mask GOST 5274-90



8.011 Half-woolen hat GOST 5274-90











Insulated baseball cap

8.035 Color: black.

8.036 Color: blue.

Ear-flaps with elastic straps. Knitted insert, adjustable buckle-fastener.

Insulation: "Fleece", 100% polyester.

Size: 57/58 – 61/62. **GOST R 53916-2010**



8.017
Baseball cap "Pilot-2"

Color: beige and olive. **Fabric:** "Starmaster" high cotton content, cotton – 60%, polyester – 40%, density – 210 g/m². Production: Klopman (Italy).

GOST R 53916-2010



8.018
Baseball cap "Security"
Color: camouflage, grey with blue.
GOST R 53916-2010



8.023
Baseball cap "Chelsea"
Color: light khaki.

Fabric: "Chelsea", polyester – 65%, cotton – 35%, density – 260 g/m². Klopman (Italy).

GOST R 53916-2010



8.022
Baseball cap "Operator"

Fabric: "Sojuz Antistat" fabric with NegaStat® yarn, anti-static, oil- and water-repellent (cotton – 70%, polyester – 30%), density 250 g/m².

Color: blue.

GOST R 53916-2010



8.010
Baseball cap "Bavaria"

Fabric: "New Arena", mixed (cotton – 60%, polyester – 40%), density – 245 g/m².

Production: Klopman (Italy).

Color: combination of light and dark brown.

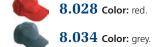
GOST R 53916-2010



Baseball cap Fabric: mixed, polyester – 65%, cotton – 35%. **GOST R 53916-2010**











8.024 Color: claret.
8.029 Color: orange.

8.027 Color: green.

8.030 Color: black.



8.032
Baseball cap
Fabric: cotton – 100%.
Color: camouflage.
GOST R 53916-2010



8.004 Cap with mosquito net GOST R 53916-2010



Side-cap Fabric: mixed. GOST R 53916-2010

8.059 Color: cornflower blue.

8.062 Color: turquoise.

8.058 Color: dark green.

8.060 Color: claret.



8.232
Cap-peak
Fabric: mixed.
Color: turquoise or cornflower blue.



8.071 Chef's Cap Fabric: coarse calico (cotton – 100%). Color: white. GOST 9897-88



8.081
Medical cap
Fabric: coarse calico (cotton – 100%).
Color: white.
GOST 9896-88



8.082
Cap "Medic"
Fabric: "Tisi", polyester – 65%, cotton – 35%.
Color: white.
GOST R 53916-2010



8.091
Polypropylene protective cap (BC-21W)
Light breathable fabric "Ansell".
GOST R 50962-96





 $[\]boldsymbol{\star}$ Size and height range is indicated, to get information about possible combinations please contact customer service or visit our website.



NEOGARD-LITE

mer, spring and autumn period.

Lightweight and comfortable, made of lightweight
breathable material, has a modern look and comfort fit.

Shoes "Neogard-light" is specifically designed for sum-

New series footwear with composite toe cap

Sale starts September, 2012

Characteristics of the protective toe caps made from various materials, used in the manufacture of footwear produced using the direct injection onto uppers method



"Neogard-Light" series footwear with composite toe cap

"Neogard-Light" shoe construction:

- 1 Inner reinforced toe cap made of composite material provides protecting against shocks (200 J).
- 2 Anti-stress pad made to avoid possible pressure on the foot...
- 3 Removable COOLMAX insole, provides moisture absorption and increased comfort.
- 4 Set-in insole.
- 5 Two-layer sole with intermediate polyurethane layer of shock-absorbing properties and the outer (running) layer of thermoplastic polyurethane with wear-resistant properties.
- 6 Natural leather upper.

- DERMODRY COOLMAX lining takes moisture away from the skin and provides a high level of comfort.
- 8 Antiskid sole protector.
- 9 Stiff back made of thermoplastic material.
- Inside made of ON STEAM material providing moisture absorption and high foot comfort.
- ON Soft piping, flap-lug, inserts are made of ON DURA RETOR polyamide waterproof, breathable fabric.





Steel toe cap or composite toe cap protecting against shocks and squeeze (200 J)



Penetration resistant insole, penetration resistance 1200 N



Protection from petroleum, petroleum products, oils



Acid - and alkali resistance



Protection against high temperatures



Protection against low temperatures



Increased moisture protection



Static electricity resistance (in accordance with the requirements of EN ISO 20345:2007, EN ISO 20345:2004)



General industrial contamination protec-



Nitrile rubber sole, resistant to direct contact for 60 seconds at 300°C



Two-layer sole (polyurethane + nitrile)



Polyurethane sole



Two-layer sole (polyurethane + thermo polyurethane)



Genuine fur



Absence of metal accessories







"Neogard-Light" series footwear with composite toe cap

Characteristics of "Neogard-Light" series footwear

- Neogard-Light series footwear is manufactured by direct molding of polyurethane and thermoplastic polyurethane materials onto uppers. In accordance with construction features and markings Neogard-Light series footwear provides protection against oils, petroleum products, acids and alkalis with concentration up to 20%, mechanical effects, industrial pollution.
- Upper: genuine leather (thickness 1,6–1,8 mm) and modern shoe materials reduce weight and enable all the necessary safety features.
- Double layer, oil- and gasoline-resistant sole provides protection against hostile environments – oils and petroleum products:
- Polyurethane upper layer has shock-absorbing properties, reduces shock loads and makes footwear light,
- comfortable and highly heat-shielding.
- Sole layer is made of wear-resistant, heat-resistant, frost-resistant (from –40°C to +100°C) thermoplastic polyurethane with improved slip resistance, abrasion- and strain-proof.
- The sole is designed to meet the modern requirements of safety footwear, sports-oriented. Sole walking surface with protector provides a high degree of adhesion to a wide range of surfaces (sole lug depth 4,5 mm). Self-cleaning deep tread.
- Composite toe cap for forefoot protection (200 Joules) with additional polyurethane coating.

- Semi-tight flap, made of RETOR cloth prevents any ingress of moisture, dust or small objects.
- Soft piping protects against side shocks and provides comfort.
- Lining, made of DERMODRY COOLMAX fabric and ON STEAM material, provides moisture absorption and high foot comfort.
- Molded removable memory foam insole BIOTEC, made of COOLMAX fabric and polyurethane, removes moisture from the foot and provides comfort wear.
- Boot-tree of special design enables comfort and fatigue-free working through the whole day.
- Intended for use in various industries: gas and oil producing industry, mineral resources industry, power engineering industry, chemical industry, transport and agriculture

By special order, you can modify "Neogard-Light" series footwear by adding anti-puncture insoles for protection against punctures and cuts (puncture resistance 1200 N).

Molded removable memory foam insole BIOTEC



COOLMAX® DermoDry – is a technical fabric that speeds up the process of moisture absorption, ensuring the skin is always dry.

Physical and mechanical properties of COOLMAX DRY lining material

Properties		EN ISO 20345 Requirements	COOLMAX DRY actual performance
Tear strength, N		15	34
Water vapor permeability mg/(cm ² *h), at least		2,0	72,5
Abrasion resistance without destroying the material, cycles	dry	25 600	76 800
	wet	12 800	34 100

Comparative characteristics of physical and mechanical properties of shoe lining materials

Properties		EN ISO 20345 Requirements	Actual performance	
			ON-STEAM leatherlike material	Pig skin lining leather
Tear strength, N		30	50	28
Water vapor permeability mg/(cm²*h), at least		2,0	13,5	2,1
Water drop penetration time		-	2,0 sec	33 min
Abrasion resistance without destroying the material, cycles	dry	25 600	300 000	26 500
	wet	12 800	150 000	5 000 (with destruction)



5.147 Men's leather boots "Neogard-Light"

Upper: genuine leather and RETOR material.

Lining: DERMODRY COOLMAX fabric and ON STEAM material. Toe cap: composite (200 J).

Sole: double layer (polyurethane/ thermoplastic polyurethane (Soft)). Assembly: molding.

Color: black. **Size:** 40 – 47. GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97





5.148

Men's leather shoes "Neogard-Light", perforated

Metal free shoes are undetectable by security scanners, could be used in the energy industry and other secure areas. Perforation provides good ventilation and comfort in work. Fixed with a textile belt buckle.

Upper: genuine leather and RETOR material.

Lining: DERMODRY COOLMAX fabric and ON STEAM material. Toe cap: composite (200 J).

Sole: double layer (polyurethane/ thermoplastic polyurethane (Soft)).

Assembly: molding. Color: black. **Size:** 40 – 47. GOST 12.4.137-84

GOST 28507-90 GOST R 12.4.187-97











5.149

Men's leather shoes "Neogard-Light"

Upper: genuine leather and RETOR material.

Lining: DERMODRY COOLMAX fabric and ON STEAM material. Toe cap: composite (200 J).

Sole: double layer (polyurethane/ thermoplastic polyurethane (Soft)).

Assembly: molding. Color: black. **Size:** 40 - 47.

GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97









5.150

Men's leather shoes "Athletic-Light"

Upper: natural split velour and RETOR material.

Lining: DERMODRY COOLMAX fabric and ON STEAM material.

Toe cap: composite (200 J). **Sole:** double layer (polyurethane/ thermoplastic polyurethane (Soft))

Assembly: molding. Color: black / brown. **Size:** 40 – 47. GOST 28507-90 GOST R 12.4.187-97













"Neogard®" series footwear with composite toe cap



Footwear with composite toe cap

Neogard® series footwear is produced on the top of the line high-efficiency DESMA (Germany) equipment with the use of the latest shoe production technologies and high quality materials. Our footwear is produced at Yoshkar Ola shoe factory which is a part of "Technoavia" production facilities.

Neogard® shoe construction:

- Inner reinforced toe cap made of composite material provides protecting against shocks (200 J).
- 2 Anti-stress pad made to avoid possible pressure on the foot.
- 3 Anti-stress polyurethane toecap coating providing protection against mechanical damage to the forefoot.
- 4 Removable insole for increased comfort.
- Set-in insole.
- Two-layer sole with intermediate polyurethane layer of shock-absorbing properties and the outer (running) layer of thermoplastic polyurethane with wearresistant properties.

- Natural thermostable waterproof leather upper.
- Split leather inside.
- Antiskid sole protector.
- Stiff back made of thermoplastic material.
- Inside made of perforated material providing draining and high foot comfort.
- Soft piping and semy-tight flap-lug made of knitted fabric with intermediate polyurethane foam layer.



Neogard® series footwear with composite toe cap

Characteristics of Neogard® series footwear

- Neogard® series footwear is manufactured by direct molding of polyurethane and thermoplastic polyurethane materials onto uppers. In accordance with construction features and markings Neogard® series footwear provides protection against oils, petroleum products, mechanical effects.
- Neogard® series footwear is made of thermostable water-repellent leather of increased thickness (1,8-2,0 mm).
- Double layer, oil- and gasoline-resistant sole provides protection against hostile environments - oils, petroleum products.
- Polyurethane upper layer has shockabsorbing properties, reduces shock loads and makes footwear light, comfortable and highly heat-shield-
- Sole layer is made of wear-resistant, heat-resistant, frost-resistant (from -40°C to +100°C) thermoplastic polyurethane with improved slip resistance, abrasion- and strain-proof.
- Toe part has additional polyurethane coating providing protection against mechanical damage to the forefoot and cold.
- Composite toe cap for forefoot protection (200 Joules) with additional polyurethane coating.
- Sole walking surface with protector provides high degree of adhesion to ice-covered and oiled surfaces (sole lug depth 5,0 mm). Self-cleaning deep tread.
- Semi-tight flap, made of abrasion resistant Ecotex cloth and genuine leather, prevents any ingress of moisture, dust or small objects...
- Soft piping protects against side shocks and provides comfort.

- Lining made of split leather and knitted textile material with high degree of volume, abrasion resistant, breathable.
- Removable insole made of foam material for increased comfort
- Boot-tree of special design enables comfort and fatique-free working through the whole day.
- Intended for use in various industries: gas and oil producing industry, mineral resources industry, power engineering industry, chemical industry, transport and agriculture.
- In insulated models natural fur "Alaska" is used (pile – 12–14 mm)



5.084

Men's leather boots **Neogard®**

Upper: genuine leather. **Lining:** split leather, bulk knitted fabric.

Toe cap: composite (200 J). **Sole:** double layer (polyurethane/ thermoplastic polyurethane).

Assembly: molding. Color: black. Size: 41 – 47. GOST 28507-90 GOST 12.4.137-84











5.085

Women's leather boots **Neogard®**

Upper: genuine leather. Lining: split leather, bulk knitted fabric.

Toe cap: composite (200 J).

Sole: double layer (polyurethane/ thermoplastic polyurethane).

Assembly: molding. Color: black. **Size:** 36 – 40. GOST 28507-90 GOST 12.4.137-84







By special order, you can modify Neogard® series footwear by adding antipuncture insoles for protection against punctures and cuts (puncture resistance 1200 N).



using a smartphone.





5.082 Men's fur-lined leather boots **Neogard®**

Upper: genuine leather. Lining: natural fur "Alaska" (sheepskin).

Toe cap: composite (200 J). **Sole:** double layer (polyurethane/ thermoplastic polyurethane).

Assembly: molding. Color: black.

Size: 41 – 47. GOST 28507-90 GOST 12.4.137-84







5.266

Women's leather boots Neogard® for welding operations

Upper: genuine leather. Lining: split leather, bulk knitted fabric.

Toe cap: composite (200 J). **Sole:** double layer (polyurethane/ nitrile rubber).

Assembly: molding. Color: black. **Size:** 41 – 47.

GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97













5.083

Women's fur-lined leather boots Neogard®

Upper: genuine leather. Lining: natural fur "Alaska" (she-

epskin).

Toe cap: composite (200 J).

Sole: double layer (polyurethane/
thermoplastic polyurethane).

Assembly: molding.

Color: black. **Size:** 36 – 40. GOST 28507-90 GOST 12.4.137-84











5.086

Fur-lined leather high boots Neogard®

Upper: genuine leather. Lining: natural fur "Alaska" (sheepskin).

Toe cap: composite (200 J). **Sole:** double layer (polyurethane/

thermoplastic polyurethane). **Assembly:** molding.

Color: black.

Boot height: 32,5 cm. **Size:** 40 – 47.

GOST 28507-90 GOST 12.4.137-84









Technogard® series footwear

"Technogard®" series footwear is produced on modern equipment manufactured by DESMA, Germany using high-tech method of molding for sole fastening. It complies with European standards which is a sign of the high quality and excellent protective properties of our footwear.



For Technogard® Series of footwear we have received European certificate of conformity with EN ISO 20345:2004 S2 standard. European standard EN ISO 20345:2004 S2 guarantees that the footwear is made of waterproof leather and has:

- oil- and gasoline-resistant sole
- steel toe cap (200 J)
- antistatic properties

The footwear was tested in Pirmazens, Germany by the authoritative certification centre PFI engaged in PPE testing.

The European certificate confirms high level of our production and enables us to supply footwear not only to Russian customers but also to the European market

as well as to joint enterprises located in the territory of Russia, where, in accordance with requirements, European certificates should be provided for protection equipment.



Tehnogard® shoe construction:

- Steel toe cap protecting against shocks and squeeze (200 J).
- 2 Anti-stress pad made to avoid possible pressure on the foot.
- 3 Metal insole (made to order).
- Set-in insole.
- 5 Removable insole for increased comfort.
- Two-layer sole with intermediate polyurethane layer of shock-absorbing properties and the outer (running) layer of thermoplastic polyurethane with wear-resistant properties.
- 2 Antiskid sole protector.

- 3 Upper made of natural thermostable leather.
- 9 Split leather inside.
- Inside made of polyamide fabric provides draining and high foot comfort.
- Stiff back made of thermoplastic material.
- Soft piping made of synthetic or natural chrome-tanned leather with intermediate polyurethane foam layer.
- **13** Tight flap-lug made of natural chrometanned leather.







Technogard® series footwear

Characteristics of Tehnogard® series footwear

- Tehnogard® series footwear is manufactured by direct molding of polyurethane and thermoplastic polyurethane materials onto uppers. In accordance with construction features and markings Tehnogard® series footwear provides protection against oils, petroleum products, alkalis with concentration up to 20%. mechanical effects, industrial pollution.
- Tehnogard® series footwear is made of thermostable water-repellent leather (1,8-2,0 mm thickness).
- Double layer, oil- and gasoline-, acids- and alkalis-resistant sole provides protection against hostile environments – oils, petroleum products, alkali solutions with concentration up to 20%.
- Polyurethane upper layer has shock-absorbing properties, reduces shock loads and makes footwear light, comfortable and highly heat-shield-
- Sole layer is made of wear-resistant, heat-resistant, frost-resistant (from -40°C to +100°C) thermoplastic polyurethane with improved slip resistance (sole lug depth 4,5 mm), abrasion- and strain-proof.
- Steel toe cap for forefoot protection. Shock resistance: 200 Joules.
- Tight flap prevents any ingress of moisture, dust or small objects.
- Soft piping protects against side shocks.
- Removable insole made of foam material for increased comfort.
- Combined inside consisting of split leather and polyamide fabric provides good hygroscopicity.
- Boot-tree of special design enables comfort and fatique-free working through the whole day.
- Intended for use in various industries: gas and oil producing industry, mineral resources industry, power engineering industry, chemical industry, ferrous and nonferrous metallurgy, transport and agriculture.

5.061 Men's leather boots **Technogard®**

Upper: genuine leather. **Lining:** split leather, polyamide fabric. Toe cap: steel (200 J).

Sole: double layer (polyurethane/ thermoplastic polyurethane).

Assembly: molding. Color: black. Size: 41 - 47.

GOST 28507-90, GOST 12.4.137-84 GOST R 12.4.187-97



5.055

Men's leather boots Technogard® with thermoplastic toecap GOST 12.4.137-84 GOST R 12.4.187-97

5.070

Leather boots **Technogard**® with steel insole

Upper: genuine leather. **Lining:** split leather, polyamide fabric.

Toe cap: steel (200 J). Insole: steel (1200 N).

Sole: double layer (polyurethane/ thermoplastic polyurethane).

Assembly: molding. Color: black.

Size: 36 - 47. GOST 28507-90 GOST 12.4.137-84 GOST R 12.4.187-97









5.078

Men's insulated leather boots **Technogard®**

Oil- and gasoline-resistant sole with antiskid

5.070

5.061)

Upper: genuine leather Lining: knitted wool. Toe cap: steel (200 J).

Sole: double layer (polyurethane/ thermoplastic polyurethane).

Assembly: molding. Color: black.

Size: 41 – 47. GOST 28507-90 GOST 12.4.137-84

GOST R 12.4.187-97



5.079 Available on request Leather insulated boots Technogard® with thermoplastic toecap

Lining and removable insole: knit-

ted wool.

GOST 12.4.137-84 GOST R 12.4.187-97

5.159

Women's insulated leather boots Technogard®

Upper: genuine leather. Linina: Knitted wool. Toe cap: steel (200 J).

Sole: double layer (polyurethane/ thermoplastic polyurethane). Assembly: molding.

Color: black. Size: 36 - 40. GOST 28507-90 GOST 12.4.137-84 GOST R 12.4.187-97







5.160 Available on request Women's insulated leather

boots Technogard® with thermoplastic toecap Lining and removable insole: knit-

ted wool.

GOST 12.4.137-84 GOST R 12.4.187-97



5.065

200 Joules

Women's leather boots **Technogard®**

Upper: genuine leather. **Lining:** split leather, polyamide fabric. Toe cap: steel (200 J).

Sole: double layer (polyurethane/

thermoplastic polyurethane). Assembly: molding. Color: black.

Size: 36 – 40. GOST 28507-90 GOST 12.4.137-84 GOST R 12.4.187-97









5.053

Women's leather boots Technogard® with thermoplastic toecap GOST 12.4.137-84 GOST R 12.4.187-97





Leather shoes Technogard®

Upper: genuine leather.

Lining: split leather, polyamide fabric.

Toe cap: steel (200 J).

Sole: double layer (polyurethane/ thermoplastic polyurethane).

Assembly: molding. Color: black. **Size:** 36 – 47. GOST 28507-90 GOST 12.4.137-84 GOST R 12.4.187-97







5.056 Available on request

Leather shoes Technogard® with thermoplastic toecap GOST 12.4.137-84 GOST R 12.4.187-97



5.114

Perforated leather shoes Technogard®

Upper: genuine leather.

Lining: split leather, polyamide fabric.

Toe cap: steel (200 J). **Sole:** double layer (polyurethane/

thermoplastic polyurethane).

Assembly: molding. Color: black. **Size:** 36 – 47. GOST 28507-90 GOST 12.4.137-84 GOST R 12.4.187-97







5.057 Available on request

Leather perforated shoes Technogard® with thermoplastic toecap

GOST 12.4.137-84 GOST R 12.4.187-97

Footwear Marking

MYH 200 – against impacts to the front with an energy level equal to 200 joules

Mn – against cuts and punctures

Hc – against base oil

Hm – against petroleum oils and hard fractions

K 20 - against acids with concentration up to 20% (according to sulphuric acid)

Щ 20 – against alkalis solutions with concentration up to 20% (sodium hydroxide)

Tp – against sparks and splashes of melted metal

Tπ – against contact with surfaces with temperature higher than 45°C

Ти – against thermal radiation

Пн – against non-toxic dust

3 – against common industrial

B – against water and non-toxic substances

Нж – against vegetable oils and animal fats



5.097

Insulated high boots Technogard®

Upper: genuine leather. **Lining:** Knitted wool. Toe cap: steel (200 J).

Sole: double layer (polyurethane/ thermoplastic polyurethane).

Assembly: molding. Color: black. Boot height: 29,5 cm. **Size:** 40 – 47. GOST 28507-90 GOST 12.4.137-84









5.059 Available on request High fur boots Technogard® with thermoplastic toecap

Lining and removable insole: knitted wool.

GOST 12.4.137-84 GOST R 12.4.187-97



5.098

High boots Technogard®

Upper: genuine leather. **Lining:** split leather. Toe cap: steel (200 J).

Sole: double layer (polyurethane/thermoplastic polyurethane).

Assembly: molding. Color: black. Boot height: 29,5 cm. **Size:** 40 – 47. GOST 28507-90 GOST 12.4.137-84 GOST R 12.4.187-97







5.060 Available on request

High boots Technogard® with thermoplastic toecap GOST 12.4.137-84 GOST R 12.4.187-97



"Nitrile" series footwear with composite toe cap

Characteristics of "Nitrile" series footwear

- Composite toe cap for forefoot protection (200 J).
- The boots are made by direct moulding of vulcanised nitrile rubber onto uppers.
- Upper material thermostable water-repellent leather of increased thickness (1.8–2.0 mm).

• Nitrile sole: oil- and gasoline-resistant, proof against hostile environments (oils, petroleum products), wear-resistant, thermostable

(direct contact with hot surfaces for 60 seconds), frost-resistant (from -40°C to +300°C). Nitrile compounds have high elasticity and flexibility properties.

- Sole walking surface with protector provides high degree of adhesion to ice-covered and oiled surfaces (sole lug depth 4,5 mm).
- · Use of natural materials and wide and comfortable boot-tree provide high performance characteristics of footwear, protection against impacts and high temperatures.
- Combined inside consisting of nonwoven fabric and polyamide fabric.
- "Nitrile" series footwear is recommended for use at works where man's foot is exposed to inflammables and lubricants, high and low temperatures.



5.106

Leather boots "Utah"

Upper: thermostable genuine leather. Lining: non-woven fabric / polyamide fabric.

Toe cap: composite (200 J).

Sole: one layer (nitrile rubber, resistance to hot contact of 60 se-

conds at 300°C).

Assembly: hot vulcanization.

Color: black. **Size:** 36 – 47. GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97







By special order the boots can be manufactured with natural fur lining or without composite toe-cap (5.066)



5.107

Leather boots "Svarschik" (welder)

Tight flap with extra patch preventing any ingress of small objects. calces, splashes, dust.

Upper: thermostable genuine leather. **Lining:** non-woven fabric / polyamide fabric.

Toe cap: composite (200 J).

Sole: one layer (nitrile rubber, resistance to hot contact of 60 sec-

onds at 300°C).

Assembly: hot vulcanization.

Color: black. Size: 36 - 47. GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97









High boots "Utah"

Upper: thermostable genuine leather.

Lining: non-woven fabric.

Toe cap: composite (200 J).

Sole: one layer (nitrile rubber, resistance to hot contact of 60 se-

conds at 300°C).

Assembly: hot vulcanization.

Color: black.

Boot height: 28 cm. **Size:** 36 – 47. GOST 12.4.137-84 GOST 28507-90

GOST R 12.4.187-97







By special order the boots can be manufactured without composite toe-cap (5.064)





For further information. install the QR Code Reader and photograph the code using a smartphone.



5.124 Leather insulated boots "Super Utah"

Width adjustable bootleg, with 2 buckles, natural leather flap. **Upper:** thermostable genuine leather

Lining: natural fur "Alaska" (sheepskin).

Toe cap: composite (200 J). Sole: one laver (nitrile rubber, resistance to hot contact of 60 seconds at 300°C).

Assembly: hot vulcanization. Color: black.

Boot height: 33 cm. **Size:** 36 – 47.

GOST 12.4.137-84, GOST 28507-90 GOST R 12.4.187-97









By special order the boots can be manufactured without composite toe-cap (5.251)



5.125 Leather boots "Utah-L" Available on request

Upper: thermostable genuine leather. Lining: cloth, non-woven fabric. **Toe cap:** composite (200 J). Sole: one layer (nitrile rubber,

resistance to hot contact of 60 seconds at 300°C). Assembly: hot vulcanization.

Color: black. Boot height: 28 cm. Size: 36 – 47. GOST 12.4.032-77 GOST 28507-90



All footwear listed in "Technoavia" catalogue has been certified for compliance with Russian standards, some models comply with European standard

GOST 12.4.137-84 "Safety leather shoes for protection from petroleum, oil acid, alkaline, non-toxic and explosive dust. Specifications"

Footwear of Tehnogard®, Neogard®, "Neogard-Light". "Delta". "Standard". "Nitrile" series and other shoes made by direct moulding method correspond to this standard.

Footwear provides protection against oil (Russian protection symbol – Hc), petroleum oils and petroleum products (Russian protection symbol – HM), non-toxic dust (Russian protection symbol – Π_H), acid and alkali concentration up to 20% (Russian protection symbols – K20, Щ20).

Warranty period: 70 days from the date of issuance, if used in compliance with the prescribed rules of use, storage and transportation.

GOST 28507-90 "Safety leather shoes for mechanical action. General specifications"

Footwear of Tehnogard®, Neogard®, "Neogard-Light", "Delta" series and other shoes with steel / composite toe caps correspond to this standard.

Footwear with safety toe-cap (steel or composite) intended to deliver protection against impacts with an energy level equal to 200 joules; (Russian protection symbol – MYH 200).

Footwear intended to deliver protection against punctures and cuts with metallic or kevlar insole (puncture resistance 1200 N min) (Russian protection symbol – Мп).

Warranty period: 70 days from the date of issuance, if used in compliance with the prescribed rules of use, storage and transportation.

GOST 12.4.032-77 "Safety leather shoes for protection against high temperatures. Specifications"

Shoes of "Nitrile", Uvex and Cofra series correspond to this standard.

Footwear provides protection against thermal radiation (Russian protection symbol – Tu), prevents contact with heated surfaces more than 45°C (Russian protection symbol – Tn), sparks and splashes of melted metal (Russian protection sym-

Warranty period: 70 days after receipt, if used in compliance with the prescribed rules of use, storage and transporta-

GOST 26167-2005 "Machine-made footwear. General specifications"

Shoes where adhesive and broaching methods of sole binding are used correspond to this standard.

Warranty period: not less than 30 days from the day of sale via retail trade network subject to current season, if used in compliance with the prescribed rules of use, storage and transportation.

GOST 5375-79 "Rubber molded boots"

Rubber boots (women's and men's), fishing boots proof against mechanical effects correspond to this standard. Rubber molded footwear provides water protection: if specially executed (GOST 12.4.072) – protection against petroleum oils, lubes, acids and alkalis inferior to 20%.

Warranty period (for rubber molded boots): 90 days after

receipt, if used in compliance with the prescribed rules of use, storage and transportation. Shelf life — not more than 12 months, for the Far North and remote areas – 18 months from the date of manufacture. PVC footwear is manufactured according to TU, provides

Warranty period (PVC footwear): 90 days from the moment of receipt if used in compliance with the prescribed rules of use, storage and transportation; shelf life – not more than 12 months from the date of manufacture.

GOST R 12.4.187-97 "System of safety standards. Safety leather shoes from general industrial pollution. General specifications"

Footwear of Tehnogard®, "Neogard-Light", and "Delta" series correspond to this standard (Protection symbol – 3).

Standard EN ISO 20345

water protection.

This standard defines the basic and additional (optional) reguirements on safety shoes with "S" category. 200 Joules toe-

Marking	Protective properties EN ISO 20345 (EN 345-1)
SB	Basic requirements on safety shoes and 200 Joules toe cap
S1	SB + closed heel + A + FO + E
S1P	SB + closed heel + A + FO + E + P
S2	SB + closed heel + A + FO + E + WRU
S3	SB + closed heel + A + FO + E + WRU + P

Symbol marking	Description of the protective properties	
А	Antistatic properties	
E	Heel energy absorption capacity	
FO	Oil-resistant outsole	
Р	Penetration resistance offered by a midsole	
HRO	Heat resistance (direct contact for 60 seconds at +300°C)	
CI	Cold Insulation	
HI	Heat Insulation	
WR	Water resistance	
WRU	Water resistant upper	
M	Metatarsal impact protection	
CR	Cut resistant upper	
SRC	Slip resistance	



Footwear manufactured by UVEX company



5.289 "Ladies allround" boots (86992)

Uvex climazone innovative head-to-toe climate-control system is used. Reflectors for enhanced wearer safety in poor light conditions. Uvex anti-twist heel cap for greater stability and protection from ankle twisting.

The comfortable Uvex 3D hydroflex® foam insole for exceptional shock absorption in the heel and under the front of the foot. Footwear provides protection against oils, petroleum products, mechanical effects, Fulfils ESD requirements (resistance to ground 100 kilohms – 35 megaohms).

Upper: waterproof genuine leather. Lining: ultra breathable distance mesh.

Toe cap: aluminium (200 J). Sole: one layer (polyurethane).

Insole: non-metal (puncture resistance 1200 N).

Assembly: molding. Color: black. Size: 35 - 43 GOST 12.4.137-84 GOST 28507-90 EN ISO 20345:2007 S3 SRC









Specially designed to fit



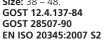
Lightweight sole provides



"Motion light" boots (69848)

Reflectors for enhanced wearer safety in poor light conditions. Uvex anti-twist heel cap for greater stability and protection from ankle twisting. Footwear provides protection against oils, petroleum products, mechanical effects. Fulfils ESD requirements (resistance to ground 100 kilohms - 35 megaohms).

Upper: nubuck leather. Lining: textile material. Toe cap: steel (200 J). Sole: double layer (polyurethane). Assembly: molding. Color: black. Size: 38 - 48.











3D hydroflex foam insole

5.298 "Ladies allround" shoes (86982)

Uvex climazone innovative head-to-toe climate-control system is used. Reflectors for enhanced wearer safety in poor light conditions. Uvex anti-twist heel cap for greater stability and protection from ankle twisting.

The comfortable Uvex 3D hydroflex® foam insole for exceptional shock absorption in the heel and under the front of the foot. Footwear provides protection against oils, petroleum products, mechanical effects, Fulfils ESD requirements (resistance to ground 100 kilohms – 35 megaphms).

Upper: waterproof genuine leather. **Lining:** ultra breathable distance mesh.

Toe cap: aluminium (200 J). **Sole:** one layer (polyurethane).

Insole: non-metal (puncture resistance 1200 N).

Assembly: molding. Color: black. Size: 35 - 43 GOST 12.4.137-84 GOST 28507-90 EN ISO 20345:2007 S3 SRC



 $\boxed{5.298}$

climazone

uvex medicare 🎉







Specially designed to fit



Lightweight sole provides



5.288 "Ladies allround" perforated boots (86949)

Uvex climazone innovative head-to-toe climatecontrol system is used. Reflectors for enhanced wearer safety in poor light conditions. Uvex antitwist heel cap for greater stability and protection from ankle twisting.

The comfortable Uvex 3D hydroflex® foam insole for exceptional shock absorption in the heel and under the front of the foot. Footwear provides protection against oils, petroleum products, mechanical effects. Fulfils ESD requirements (resistance to ground 100 kilohms - 35 megaohms).

Upper: nubuck leather.

Lining: ultra breathable distance mesh.

Toe cap: aluminium (200 J). **Sole:** one laver (polyurethane).

Assembly: molding. Color: dark-grey. **Size:** 35 – 43. GOST 12.4.137-84 GOST 28507-90 EN ISO 20345:2007 S1 SRC





Footwear manufactured by UVEX company

uvex









5.291 "Motion light" boot (69828)

Uvex climazone innovative head-to-toe climate-control system is used. Reflectors for enhanced wearer safety in poor light conditions. Uvex anti-twist heel cap for greater stability and protection from ankle twisting. The comfortable Uvex 3D hydroflex® foam insole for exceptional shock absorption in the heel and under the front of the foot. Footwear provides protection against oils, petroleum products, mechanical effects. Fulfils ESD requirements (resistance to ground 100 kilohms – 35 megaohms).

Upper: nubuck leather. Lining: textile material. Toe cap: steel (200 J).

Sole: double layer (polyurethane).

Assembly: molding. Color: black. Size: 38 – 48. GOST 12.4.137-84 GOST 28507-90 EN ISO 20345:2007 S1 SRC





5.286 "Motion Light" shoes, perforated (69808)

Uvex climazone innovative head-to-toe climate-control system is used. Reflectors for enhanced wearer safety in poor light conditions. Uvex anti-twist heel cap for greater stability and protection from ankle twisting. The comfortable Uvex 3D hydroflex® foam insole for exceptional shock absorption in the heel and under the front of the foot. Footwear provides protection against oils, petroleum products, mechanical effects. Fulfils ESD requirements (resistance to ground 100 kilohms -35 megaohms).

Upper: nubuck leather. Lining: textile material. Toe cap: steel (200 J).

Sole: double layer (polyurethane).

Assembly: molding. Color: black. Size: 38 - 48. GOST 12.4.137-84 GOST 28507-90 EN ISO 20345:2007 S1 SRC





5.118 Perforated sandals "Module 2000"

Antistatic (complies with EN ISO 20345 standard)

Upper: genuine leather. Lining: textile material. Toe cap: steel (200 J).

Sole: double laver (polyurethane).

Assembly: molding. Color: black. **Size:** 38 – 50. GOST 12.4.137-84 GOST 28507-90 EN ISO 20345:2004 S1





5.050

Low shoes "Office" (95419)

Antistatic (complies with EN ISO 20345 standard)

Upper: waterproof genuine leather.

Lining: Dri-lex. Toe cap: steel (200 J).

Sole: one layer (nitrile rubber +120°C).

Assembly: molding. Color: black. **Size:** 38 – 47. GOST 12.4.137-84 GOST 28507-90 EN ISO 20345:2007 S1 SRA







For further information, install the QR Code Reader and photograph the code using a smartphone.



Cofra safety footwear





5.127 Men's insulated leather boots "Frejus"

Footwear provides protection against oils, petroleum products, acids and alkalis with concentration up to 20%, mechanical effects, industrial pollution, resistance to hot contact of 60 seconds at 300°C, antistatic (complies with EN ISO 20345:2007 standard).

Upper: water repellent leather.

Lining: GORE-TEX®.

Themral Insulation: Thinsulate® Type B600.

Toe cap: TOP return composite (200 J).

Non metallic APT plate (puncture resistance 1200 N). **Sole:** double layer (polyurethane and nitrile rubber, resistance to hot contact of 60 seconds at 300°C).

Assembly: molding.

Color: black. Size: 39 - 47. GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97 EN ISO 20345:2007 S3 WR CI HRO SRC





Men's insulated leather boots "Monviso"

A reinforced heel area aids in the stability of the shoe by ensuring that the heel position stays the same. Full SOFT-BED footbed, made of extremely soft PU, gelfilled, anatomic, removable, antistatic, covered with cloth. Footwear provides protection against oils, petroleum products, acids and alkalis with concentration up to 20%, mechanical effects, industrial pollution, resistance to hot contact of 60 seconds at 300°C, antistatic (complies with EN ISO 20345:2007 standard). 100% Metal Free.

Upper: waterproof genuine leather.

Lining: GORE-TEX®.

Toe cap: TOP return composite (200 J).

Non metallic APT plate (puncture resistance 1200 N). **Sole:** double layer (polyurethane and nitrile rubber, resistance to hot contact of 60 seconds at 300°C).

Assembly: molding. Color: black. Size: 39 - 47. GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97 EN ISO 20345:2007 S3 WR HRO SRC

[5.128]

New













For further information, install the QR Code Reader and photograph the code using a smartphone.

Cofra safety footwear



5.074 Men's insulated leather boots "Bering"

THERMIC INSOLE CI, full piece, anatomic, antistatic, with outstanding performance in terms of insulation against low temperatures due to the bottom layer reflecting thermal energy, antibacterial, Footwear provides protection against oils, petroleum products, mechanical effects, industrial pollution. Antistatic (complies with EN ISO 20345:2004 standard).

Upper: water repellent leather. Lining: textile material.

Themral Insulation: Thinsulate® Type B600.

Toe cap: TOP return composite (200 J).

Non metallic APT plate (puncture resistance 1200 N). **Sole:** double layer EXTREME outsole (polyurethane and 3-layer thermoplastic polyurethane). SHOCK dissipator® gel heel pad.

Assembly: molding. Color: black. **Size:** 39 – 47. GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97 EN ISO 20345:2004 S3 CI WR SRC





5.075 Men's leather shoes "Copenhagen", perforated

Full SOFT-BED footbed, made of extremely soft PU, gel-filled, anatomic, removable, antistatic, covered with cloth. Footwear provides protection against oils, petroleum products, mechanical effects, industrial pollution. Antistatic (complies with EN ISO 20345:2004 standard). 100% Metal Free.

Upper: water repellent leather.

Lining: SANY-DRY® breathable, antibacterial. Toe cap: TOP return composite (200 J).

Non metallic APT plate (puncture resistance 1200 N).

Sole: double layer EXTREME outsole (polyurethane and 3-layer thermoplastic polyurethane). SHOCK dissipator® gel heel pad.

Assembly: molding. Color: black. Size: 39 – 47. GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97 EN ISO 20345:2004 S1 P SRC











Cofra safety footwear



5.174

Men's leather boots "Drammen"

AIR footbed, made of EVA and fabric, anatomic. Footwear provides protection against oils, petroleum products, acids and alkalis with concentration up to 20%, mechanical effects, industrial pollution, antistatic (complies with EN ISO 20345:2004 standard).

Upper: water repellent leather.

Lining: SANY-DRY® breathable, antibacterial. **Toe cap:** TOP return composite (200 J).

Non metallic APT plate (puncture resistance 1200 N).

Sole: double layer (polyurethane).

Assembly: molding.
Color: black.
Size: 39 – 47.
GOST 12.4.137-84
GOST 28507-90
GOST R 12.4.187-97
EN ISO 20345:2004 53 SRC







5.173

Men's leather shoes "Gjovik"

AIR footbed, made of EVA and fabric, anatomic. Footwear provides protection against oils, petroleum products, acids and alkalis with concentration up to 20%, mechanical effects, industrial pollution, antistatic (complies with EN ISO 20345:2004 standard).

Upper: water repellent leather.

Lining: SANY-DRY® breathable, antibacterial. **Toe cap:** TOP return composite (200 J).

Non metallic APT plate (puncture resistance 1200 N).

Sole: double layer (polyurethane).

Assembly: molding.
Color: black.
Size: 39 – 47.
GOST 12.4.137-84
GOST 28507-90
GOST R 12.4.187-97
EN ISO 20345:2004 \$3 \$RC





5.172

Men's leather boots "Asphalt"

HEAT BARRIER, anatomic footbed, insulating against high temperatures. The thermal comfort inside the footwear is granted thanks to the specials PU compound devised to give high insulation. Footwear provides protection against oils, petroleum products, mechanical effects, industrial pollution. Antistatic (complies with EN ISO 20345:2004 standard). Heat resistance of the sole is tested for 8 hours at 100°C. Recommended for road works, asphalt doing, boots leave no trace on asphalt.

Upper: water repellent leather. **Lining:** leather lining / textile fabric. **Toe cap:** TOP return composite (200 J).

Non metallic APT plate (puncture resistance 1200 N).

Sole: double layer (polyurethane (made of a special compound which resists to 180°C for 30 minutes) and nitrile rubber (resistance to hot contact of 60 seconds at 300°C)

Assembly: molding.

Color: black. Size: 39 – 47. GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97

EN ISO 20345:2004 S2 P HRO HI





5.136 "Gaja" ladies safety shoes

Footwear provides protection against petroleum products, mechanical effects, industrial pollution, antistatic (complies with EN 345-1 standard).

Upper: water repellent leather.

Lining: leather. Toe cap: steel (200 J). Sole: one layer (polyurethane).

Assembly: molding. Color: dark blue. Size: 35 - 42. GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97









5.135 "Tullus" safety shoes

AIR footbed, made of EVA and fabric, anatomic. Footwear provides protection against oils, petroleum products, acids and alkalis with concentration up to 20%, mechanical effects, industrial pollution, antistatic (complies with EN ISO 20345:2007 standard). 100% Metal Free.

Upper: synthetic leather LORICA®.

Lining: SANY-DRY® breathable, antibacterial. **Toe cap:** TOP return composite (200 J).

Non metallic APT plate (puncture resistance 1200 N).

Sole: double layer (polyurethane).

Assembly: molding. Color: white. Size: 36 - 48.

GOST R 12.4.187-97 GOST 12.4.137-84 GOST 28507-90

EN ISO 20345:2007 S2 SRC



















5.130

Men's leather shoes "Euclide"

Footwear provides protection against petroleum products, industrial pollution, antistatic (complies with EN ISO 20347:2004 standard). 100% Metal

Upper: water repellent leather.

Lining: leather.

Sole: one layer (polyurethane).

Assembly: molding. Color: black. **Size:** 39 – 47. GOST 12.4.137-84 GOST R 12.4.187-97 EN ISO 20347:2004 O2





5.129

Men's leather shoes "Coulomb"

Available on request

Footwear provides protection against petroleum products, industrial pollution, antistatic (complies with EN ISO 20345:2004 standard).

Upper: water repellent leather.

Lining: leather.

Sole: one layer (polyurethane).

Assembly: molding. Color: black. **Size:** 39 – 47. GOST 12.4.137-84 GOST 28507-90 GOST R 12.4.187-97 EN ISO 20345:2004 S2

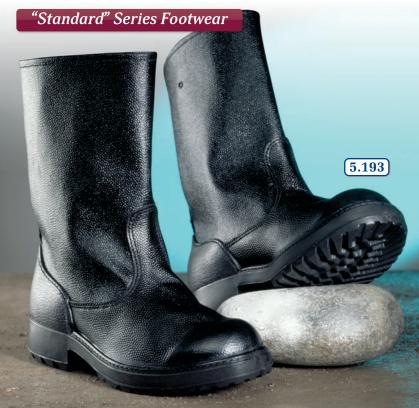














5.195 Lightweight leather boots "Standard-M" with steel toe-cap

Upper: leather / three-layered kirsa. **Bootleg:** three-layered kirsa, width adiustable.

Lining: non-woven fabric. Toe-cap: steel (200 J). Sole: one layer (polyurethane). Assembly: molding. Color: black. Boot height: 34 cm. **Size:** 38 – 47. GOST 12.4.137-84



5.040 Removable stockings For more information see page 152.

Characteristics of "Standard" series footwear

- · "Standard" footwear is manufactured by direct molding of polyurethane onto the upper.
- Polyurethane sole: oil- and gasoline-resistant, resistant to aggressive environments, petroleum products.
- Polyurethane has shock-absorbing properties, reduces shock loads and makes footwear light and comfortable.
- High strength of sole/top bonding is provided by cast-on back which is additionally sewed.

with 200 Joules

toe cap

5.193 Lightweight combined boots "Standard" **Upper:** leather / three-layered kirsa. Lining: non-woven fabric. **Toe-cap:** reinforced leatherette. **Sole:** one layer (polyurethane). Assembly: molding.

Color: black. Boot height: 28 cm. Size: 38 - 47. GOST 12.4.137-84



Women's leather boots

Lining: non-woven fabric.

Toe-cap: steel (200 J).

Assembly: molding.

GOST 12.4.137-84

GOST 28507-90

toe-cap

Upper: leather.

polyurethane).

Tight flap.

Color: black.

Size: 36 - 40.

"Avrora-M" with steel

Sole: double layer (polyurethane/

5.198 Women's leather boots "Avrora"

Soft collar protects against side shocks.

Upper: leather.

Lining: non-woven fabric. **Toe-cap:** reinforced leatherette

Sole: double layer (polyurethane/ polyurethane).

Assembly: molding. Tight flap.

Color: black. Size: 36 - 40. GOST 12.4.137-84



5.196

5.196

5.197

Lightweight leather boots "Standard"

Upper: leather.

Lining: non-woven fabric. Toe-cap: reinforced leatherette. Sole: one layer (polyurethane). Assembly: molding.

Tight flap. Color: black. Size: 38 - 47. GOST 12.4.137-84



5.197

Lightweight leather boots "Standard-M" with steel toe-cap

Upper: leather.

Lining: non-woven fabric. Toe-cap: steel (200 J).

Sole: one layer (polyurethane). Assembly: molding.

Tight flap. Color: black. **Size:** 38 – 47. GOST 12.4.137-84 GOST 28507-90









140



5.093

Updated model

Flexible insets with metallic creeper providing excellent adhesion on slippery surfaces and preventing falls





5.093

Genuine fur-lined leather boots "Alpi"

Upper: leather (1,6–1,8 mm). Lining: natural fur (lambskin). **Toe-cap:** thermoplastic.

Sole: (Alpi) – frost-resistant rubber (up to –50°C) with antiskid protector and metallic creepers.

Assembly: adhesive and broaching.

Color: black.

Boot height: 22,5 cm.

Size: 36 – 47. GOST 26167-2005





Genuine fur-lined leather boots "Winter"

Upper: leather (1,6–1,8 mm). Lining: natural fur (lambskin). **Toe-cap:** thermoplastic.

Sole: GROSSING – mushy thermoplastic elasto-

Assembly: adhesive and broaching.

Color: black. Boot height: 19,5 cm. **Size:** 36 – 48. GOST 26167-2005



5.095

Leather boots with Thinsulate® lining

Upper: leather (1,6–1,8 mm). **Lining:** polyamide fabric. Insulation: B-400 Thinsulate®. **Toe-cap:** thermoplastic.

Sole: GROSSING – mushy thermoplastic elasto-

Assembly: adhesive and broaching.

Color: black. Boot height: 19,5 cm. **Size:** 39 – 47. GOST 26167-2005







 $\boxed{5.092}$

5.092

Leather boots "OMON"

Upper: leather (1,6–1,8 mm). **Lining:** polyamide fabric. **Toe-cap:** thermoplastic.

Sole: GROSSING – mushy thermoplastic elasto-

Assembly: adhesive and broaching.

Color: black.

Boot height: 21,5 cm. **Size:** 39 – 47.

GOST 26167-2005



5.101

Leather-lined leather high boots

Upper: leather (1,6–1,8 mm). **Lining:** leather.

Toe-cap: thermoplastic.

Sole: GROSSING – mushy thermoplastic elasto-

Assembly: adhesive and broaching.

Color: black. Boot height: 20,0 cm. **Size:** 39 – 47. GOST 26167-2005









Leather combined boots "OMON"

Upper: leather (1,6–1,8 mm) / cordura

canvas

Lining: polyamide fabric. **Toe-cap:** thermoplastic.

Sole: TRACTION – mushy thermoplastic

elastomer.

Assembly: adhesive and broaching.

Color: black.

Boot height: 21,5 cm.

Size: 39 – 47. GOST 26167-2005



5.081

Leather boots "Pilot"

Upper: leather (1,6–1,8 mm). **Lining:** polyamide fabric. **Toe-cap:** thermoplastic.

Sole: GROSSING – mushy thermoplastic elastomer.

5.081

Assembly: adhesive and broaching.

Color: black.

Boot height: 17,0 cm. **Size:** 39 – 47. **GOST 26167-2005**





Leather shoes, "Denver" (manufactured by M&G, Italy)

5.340

New

Upper: PU coated leather.

Lining: polyamide fabric with water-repellent J-Tex

membrane.

Toe-cap: thermoplastic.

Sole: one layer (polyurethane).

Assembly: molding. Color: black. Size: 36 – 47.

GOST 12.4.137-84, GOST R 12.4.187-97





5.350

Leather shoes, "Boston" (manufactured by M&G, Italy)

Available on request

Upper: PU coated leather.

Lining: polyamide fabric with water-repellent J-Tex

membrane.

Toe-cap: thermoplastic.

Sole: one layer (polyurethane).

Assembly: molding. Color: black.
Size: 36 – 47.

GOST 12.4.137-84, GOST R 12.4.187-97





Fligt boots Upper: leather.

Lining: leather. **Toe-cap:** thermoplastic.

ioe-cap: thermoplastic.

Sole: microcellular rubber with leather undercoat.

Assembly: welt-adhesive.

Color: black.
Boot height: 27 cm.

Size: 39 – 47. GOST 26167-2005



5.301 Fur socks Natural sheepskin. Size: 38 – 47. GOST 1821-75



5.032

Service boots "Garant"

Upper: natural leather (1,8 – 2,0 mm). **Lining:** diagonal and shoe polyamide

fabric.

Toe-cap: thermoplastic.

Sole: nitrile rubber (from -40°C up to

+180°C).

Assembly: adhesive and broaching.

Color: black. **Size:** 39 – 47.

TU 8800-001-05133148-2004 GOST 12.4.137-84





5.350

New

"Delta" series footwear



5.035

Leather boots "Delta"

Upper: leather.

Lining: split leather, polyamide fabric. **Toe-cap:** steel (200 J).

Sole: double layer (polyurethane/ thermoplastic polyurethane).

Assembly: molding. Color: black. **Size:** 36 – 47.

GOST 28507-90 GOST 12.4.137-84 GOST R 12.4.187-97















For further information, install the QR Code Reader and photograph the code using a smartphone.



5.210

Insulated leather boots "Delta"

Upper: leather. Lining: artificial fur. Toe-cap: thermoplastic.

Sole: double layer (polyurethane/thermoplastic polyuret-

Assembly: molding. Color: black. Size: 36 - 47.

GOST 12.4.137-84, GOST R 12.4.187-97









5.000

Insulated leather boots "Delta" with steel toecap

Available on request

GOST 28507-90, GOST 12.4.137-84 GOST R 12.4.187-97











5.036

Perforated leather low shoes "Delta"

Upper: leather.

Lining: split leather, polyamide fabric.

Toe-cap: steel (200 J).

Sole: double layer (polyurethane/thermoplastic polyuret-

hane).

Assembly: molding. Color: black. Size: 36 - 47. GOST 28507-90 GOST 12.4.137-84

GOST R 12.4.187-97







Corporate style footwear

Our company has an extensive experience in developing footwear for individual orders – from several pairs to several thousand pairs. Long-term cooperation with large companies allows us to study footwear requirements and meet the corporate style shoes needs of our customers. The shoes order can be customized and made in various

colors, with the use of colored accessories (threads, laces), with the logo of your company.















5.122

Men's perforated low shoes "Niks"

Upper: leather. Lining: leather.

Sole: one layer (polyurethane).

Assembly: molding. Color: black. Size: 40 – 45. GOST 26167-2005



5.134

Men's perforated low shoes "Niks"

Upper: leather. Lining: leather.

Sole: one layer (polyurethane). **Assembly:** molding.

Color: beige. Size: 40–45. GOST 26167-2005



5.117

Women's low shoes "Nika"

Upper: leather. **Lining:** leather.

Sole: one layer (polyurethane).

Assembly: molding. Color: beige. Size: 36 – 41. GOST 26167-2005

5.120

Women's low shoes "Nika"

Upper: leather. Lining: leather.

Sole: one layer (polyurethane).

Assembly: molding. Color: black. Size: 36 – 41. GOST 26167-2005





5.111

Leather low shoes

Upper: leather (1,4–1,6 mm).

Lining: leather.

Toe-cap: thermoplastic.

Sole: thermoplastic elastomer.

Assembly: adhesive and broaching.

Color: black. **Size:** 39 – 47. **GOST 26167-2005**



5. 112

Men's leather low shoes, oil- and gasolineresistant

Upper: leather. Lining: leather.

Sole: one layer (polyurethane).

Assembly: molding. Color: black. Size: 39 – 46. GOST 12.4.137-84





5. 110

Women's leather low shoes, oil- and gasoline-resistant

Upper: leather. Lining: leather.

Sole: one layer (polyurethane).

Assembly: molding. Color: black. Size: 34 – 40. GOST 12.4.137-84





5.121

Uniform low shoes

Upper: leather (1,4–1,6 mm).

Lining: leather.
Toe-cap: thermoplastic.
Sole: thermoplastic elastomer.
Assembly: adhesive and broaching.

Color: black. Size: 40 – 46. GOST 26167-2005









Lining: polyamide fabric. Toe-cap: steel (200 J). Sole: one layer (polyurethane). Assembly: molding.

Color: white. Size: 35 – 48.

GOST 28507-90, GOST 12.4.137-84



Models of shoes 5.115 and 5.200 can be supplied on request:

- without steel toe-cap
- black
- antistatic

5.200

Perforated low shoes "Sanitary"

Upper: synthetic leather. Lining: polyamide fabric. Toe-cap: steel (200 J). Sole: one layer (polyurethane).

Assembly: molding. Color: white. **Size:** 35 – 48.

GOST 28507-90, GOST P 12.4.187-97

5.119

Sole: PVC.

Upper: leather.

Color: white.

Size: 36 - 41. GOST 26167-2005

Assembly: molding.

shoes









5.305

Women's shoes "Sabot"

Upper: leather. Sole: PVC. Assembly: molding. Color: white. Size: 35 - 41. GOST 26167-2005

5.272

5.271

5.270

Men's shoes "Sabot"

Color: white. Size: 40 - 45. GOST 26167-2005



Women's shoes "Sabot"

Upper: leather. Sole: PVC. Assembly: molding. Color: black. Size: 35 - 41. GOST 26167-2005

5.275

Men's shoes "Sabot"

Color: black. Size: 40 - 45. GOST 26167-2005



Leather slippers with rubber sole

Upper: leather. Sole: cellular rubber. Assembly: broaching. Color: black. **Size:** 35 – 47. GOST 1135-2005



Leather slippers with leather sole

Upper: leather. **Sole:** leather. Assembly: broaching. Color: black. **Size:** 35 – 47.



5.270

GOST 1135-2005



Shower slippers

Made of ethylene vinyl acetate (EVA). Color: black.

Size: 36 – 46.

TU-2590-001-51664612-2003



5.161 Sneakers

Upper: lather velour. Sole: one layer (polyurethane).

Assembly: molding. Color: blue. Size: 36 - 46. GOST 26167-2005





5.281

Textile shoes Upper: cotton fabric.

Women's leather perforated

Sole: PVC. Assembly: molding. Color: blue. Size: 36 - 45 GOST 1135-2005



Rubber and PVC footwear



5.044 PVC high boots with steel toe-cap "Prizma"

Oil- and gasoline-resistant sole with non-slip tread. Sole walking surface with protector provides high degree of adhesion to different surfaces. Sole running layer is of increased resistance to abrasion. Bootleg with excellent elastic properties.

Upper: polyvinyl chloride (PVC).

Lining: knitted fabric. Toe-cap: steel (200 J).

Sole: one layer polyvinyl chloride (PVC).

Assembly: molding. Color: blue. Boot height: 38 cm. **Size:** 36 – 47.

TU 2595-001-50290598-02



5.225

PVC high boots "Prizma" without steel toe-cap

5.226

PVC high boots with steel toe-cap "Prizma" and puncture resistant insole (1200 N)



PVC high boots and semi-overall Upper: polyvinyl chloride (PVC) / nylon.

Lining: knitted fabric.

Sole: double layer polyvinyl chloride (PVC).

Assembly: molding. Color: olive. Size: 38 - 46.

TU 2590-001-51664612-2003





5.245 Men's PVC oil-resistant high boots, white

Intended for food industry employees. With double layer removable insole.

Upper: polyvinyl chloride (PVC) **Lining:** knitted fabric. Sole: one layer polyvinyl chloride (PVC).

Assembly: molding. Color: white. Boot height: 38 cm. Size: 41 – 47.

TU 2595-001-50290598-02



5.243 Women's oil-resistant PVC high boots, white

Intended for food industry employees. With double layer removable insole.

Upper: polyvinyl chloride (PVC). **Lining:** knitted fabric. **Sole:** one layer polyvinyl chloride (PVC).

Assembly: molding. Color: white. Boot height: 34 cm. **Size:** 36 – 40.

TU 2595-001-50290598-02





5.241 Men's PVC high boots "Leming"

Upper: polyvinyl chloride (PVC). **Lining:** knitted fabric. Sole: one layer polyvinyl chloride (PVC).

Assembly: molding. Color: olive. Boot height: 34 cm.

Size: 40 – 46. TU 2590-001-51664612-2003





Women's high boots "Tina"

Upper: polyvinyl chloride (PVC). **Lining:** knitted fabric.

Sole: double layer polyvinyl chlo-

ride (PVC). **Assembly:** molding.

Color: olive. Boot height: 26,5 cm.

Size: 35 – 40.

TU 2590-001-51664612-2003





completed with

insole (1200 N)

steel toe-cap and

puncture resistant





5.240 Men's insulated PVC high boots with collar "Lemming"

Upper: polyvinyl chloride (PVC). Lining: knitted fabric. Insulation: removable stockings made of nonwoven needle-punched fabric.

Sole: one layer polyvinyl chloride (PVC).

Assembly: molding. Color: olive. Boot height: 44 cm. Size: 40 – 46.

TU 2590-001-51664612-2003





6.614 Devon safety high boots with steel toecap and midsole

Anti-static, self-cleaning, oil- and gasoline-resistant, acidand alkali-proof sole. Sole walking surface with protector provides high degree of adhesion to different surfaces. Sole running layer is of increased resistance to abrasion. Boot height 35,5 cm – front, 28,5 cm – back. Recommended for workers engaged in oil industry, oil refining industry, mineral resource industry, construction, machine shops and loading jobs.

Upper: polyvinyl chloride (PVC) and nitrile rubber. **Lining:** knitted fabric.

Toe-cap: steel (200 J).

Puncture resistant insole: steel (1200 N). **Sole:** polyvinyl chloride (PVC) and nitrile rubber.

Assembly: molding. Color: olive. Size: 37 – 47. GOST 12265-78 GOST 29182-91





5.220 Men's PVC high boots "Lemming-2"

Upper: polyvinyl chloride (PVC). Lining: knitted fabric.

Sole: one layer polyvinyl chloride (PVC). **Assembly:** molding.

Color: black. Boot height: 34 cm. Size: 40 – 46.

TU 2590-001-51664612-2003



5.204 "Graphite" miner's boots

Self-cleaning oil- and gasoline-resistant, acid- and alkaliproof sole. Sole walking surface with protector provides high degree of adhesion to different surfaces. Thanks to modern materials used, boots retain high elasticity and wear resistance at temperatures up to – 45°C. Weight – 820 g (1/2 pair).

Recommended for workers engaged in oil industry, oil refining industry, mineral resource industry, construction, machine shops and loading jobs.

Upper: polyurethane. **Lining:** knitted fabric. **Toe-cap:** composite (200 J).

Puncture resistant insole: steel (1200 N). **Sole:** thermoplastic polyurethane, wear resistant.

Assembly: molding. Color: black.

Boot height: 40,5 cm.

Size: 36 – 48.

TU 2590-001-84812772-2010

















5.203 Miner's rubber high boots

Upper: rubber. **Lining:** knitted fabric. Toe-cap: ebony (15 J). Sole: rubber. Assembly: molding. Color: black. Boot height: 38 cm. **Size:** 40 – 47.

TU 2595-005-05769024-2006 GOST 12.4.162-85





Gardener's insulated galoshes made of "EVA" material.

Insulated with inserted sock. **Upper:** ethylene vinyl acetate (EVA).

TU 2590-001-51664612-2003



5.211

Men's insulated PVC boots

Upper: polyvinyl chloride (PVC). **Lining:** knitted fabric.

Insulating liner – inserted synthetic fur

stocking. **Sole:** one layer polyvinyl chloride (PVC).

Assembly: molding. Color: black. Boot height: 28 cm. **Size:** 41 – 46.

TU 2590-001-51664612-2003



5.212

Women's insulated PVC boots

Upper: polyvinyl chloride (PVC). **Lining:** knitted fabric.

Insulating liner – inserted synthetic fur

stocking.

Sole: one layer polyvinyl chloride (PVC). **Assembly:** molding.

Color: blue. Boot height: 28 cm. **Size:** 35 – 40.

TU 2590-001-51664612-2003



5.171

Dielectric galoshes

Upper: rubber. Assembly: molding. **Size:** 39 – 46. GOST 13385-78

5.023

Dielectric galoshes

Upper: rubber. **Assembly:** molding. Size: 42, 43/44, 45, 46. TU 2595-012-00149564-2010



5.222

Fisherman's PVC high

boots

Upper: polyvinyl chloride (PVC). **Lining:** knitted fabric.

Sole: double layer polyvinyl

chloride (PVC). Assembly: molding.

Color: olive. **Size:** 38 – 46.

TU 2590-001-51664612-2003



5.012

Fisherman's PVC high boots with steel toecap (200 J)

Size: 38 – 46.

TU 2590-001-51664612-2003



On your request boots can be completed with puncture resistant insole (1200 N)



5.143

Size: 35 – 45.

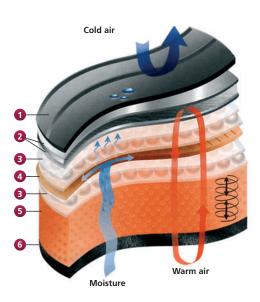


Footwear for protection against low temperatures



Puncture resistant insole (1200 N)

"Derrick" (5.284) and "Granite" (5.277) boot construction diagram



5.284

"Derrick" insulated boots (manufactured by Baffin, Canada)

The high boots are made by know-how using materials for extra low temperatures which provide heat shielding up to -100°C. Bootleg with high visibility reflective strips, laces and hardware. The bootleg provides comfort in walking and protection against the wind, penetration of snow, moisture, dust and various objects inside the boot.

The boot features a fully-tractioned sole for a non-slip grip. Water-tight, with galosh and bootleg connection seals safely sealed. The high boots are completed with removable stockings of 5-layer material and microcellular plates acting as powerful heat insulator. All the materials used are resistant to aggressive environments – solvents, acids, alkalis, lubes, oil products – and recommended for works at oil and gas fields and using under the most severe conditions.

Upper: neoprene covered nylon.

Galosh: polyurethane with the addition of nitrile rubber.

Toe-cap: composite (200 J).

Puncture resistant insole: kevlar (1200 N).

Boot height: 40 cm.

Color: black. **Size:** 38 – 48

GOST 12265-78, GOST 29182-91



5.277

"Granite" insulated boots (manufactured by Baffin, Canada)

The high boots are made by know-how using materials for extra low temperatures which provide heat shielding up to -100° C. Bootleg is made of high-quality water-repellent leather. The sole walking layer design features recent development educing shock loads and providing flexibility. The boot features a fully-tractioned sole for a non-slip grip. Water-tight, with galosh and bootleg connection seals safely sealed. The high boots are completed with removable stockings of 5-layer material and microcellular plates acting as powerful heat insulator. All the materials used are resistant to aggressive environments – solvents, acids, alkalis, lubes, oil products – and recommended for works at oil and gas fields and using under the most severe conditions.

Upper: water-repellent leather.

Galosh: polyurethane with the addition of nitrile rubber.

Toe-cap: composite (200 J).

Puncture resistant insole: keylar (1200 N).

Boot height: 36 cm. Color: black. Size: 38 – 48.

GOST 12265-78, GOST 29182-91



Footwear protective upper layer

2 Double metal membrane – DMM

A thermo-insulating layer is sandwiched between membrane layers, therefore this design not only strengthens the footwear but also performs thermo-isolating functions, not letting cold in and keeping warmth.

3 B-Tex 4 channel hollow fiber insulation

4-channel insulating layer consisting of hollow fibers lets air in, controlling the process in the way allowing to maintain the constant heat balance. The lower outside temperature, the better inside warmth is kept.

4 HvdroMax II

This layer vents the moisture accumulated in the liner inner layers through capillar system, being capable of absorbing several times as much moisture than its own weight.

5 Baffin Polymech Foam

Construction of high-density material clings to the foot strictly following its individual outline. Being of small volume it performs thermoisolating functions. Absorbs moisture and "ejects" it to outer layer under mechanical pressure arising during walking.

6 Next-To-Foot Comfort

Light and durable layer, vents reeks and moisture from the foot quickly. Resists bacteria creating odor nuisance.







5.156 Insulated high boots "Arctica"

Sole is made of cold-resistant thermoplastic polyurethane providing heat shielding up to -50°C, resistant to aggressive environments - solvents, acids, alkalis, oils, petroleum products. Sole walking surface with protector provides high degree of adhesion to icecovered and oiled surfaces. Self-cleaning tread lugs to prevent the build-up of dirt or jammed rocks. There is a possibility to install anti-slip studs. The high boots are completed with removable stockings, performing the function of a strong heat insulator, consisting of several layers, one of which is metallized film, another layer is a synthetic insulation Thinsulate®, which removes moisture, dries quickly and easily, keeps you warm. Adjustable boot cuff provides comfort in walking and protection against the wind, penetration of snow, moisture, dust and various objects inside the boots. Boots have a wide range of applications. Are recommended for activities related to direct contact with aggressive substances (oil and gas fields, mining) and using in the open air at extremely low temperatures.

Upper: polyurethane foam. Width adjustable bootleg **Toe-cap:** composite (200 J).

Puncture resistant insole: steel (1200 N). **Sole:** cold-resistant thermoplastic

polyurethane.

Color: black. **Size:** 38 – 48. **GOST 12.4.162-85**











5.278

Winter boots "Polar Fox" (manufactured by M&G, Italy)

Boots are made by up-to date technology using materials for low temperatures which provide heat shielding up to -40°C.

Upper: water-repellent leather. Seams are glued to prevent ingress of water through stitch holes.

Bellows tongue: made of three-layer material (Cordura, foam rubber, knitted material).

Insulating liner: inserted stocking, consisting of 4 layers, one of which is metallized film.

Galosh: polyurethane (upper layer) and nitrile rubber (running layer), anti-slip element in the heel area, to protect from slippage. **Assembly:** adhesive and broaching.

Color: black. Size: 39 – 47. GOST 12.4.137-84 GOST R 12.4.187-97

For use in climatic zones II, III and IV and critical climatic zone*









Footwear for protection against low temperatures



5.076 Winter high boots "Ugra"

Boots are made by up-to date technology using materi- **Upper:** water-repellent "Oxford" cloth. als for extra low temperatures which provide heat shielding up to -50°C.

Bootleg is made of water-repellent "Oxford" cloth, has a zipper with lacing at the bottom and adjustable cuff at the top of the bootleg, it provides comfort in walking and protection against the wind, penetration of snow, moisture, dust and various objects inside the boots. The galosh is resistant to aggressive environments – solvents, oils, petroleum products. Sole walking surface with protector provides high degree of adhesion to ice-covered and oiled surfaces. Water-tight, with galosh and bootleg connection seals safely sealed. The high boots are completed with removable stockings, performing the function of a strong heat insulator, consisting of 6 layers, one of which is metallized film. "Ugra" boots are made for extreme work environments, including oil and gas fields.

Toe-cap: steel (200 J).

Puncture resistant insole: steel (1200 N).

Galosh: cold-resistant nitrile rubber. Color: black.

Size: 39 - 47.

TU 2595-001-15169704-2005, GOST 12.4.072-79, GOST 28507-90

For use in climatic zones II, III and IV and critical climatic zone*









5.199 Winter high boots "Topper"

Boots are made by up-to date technology using materials for extra low temperatures which provide heat shielding up to -50°C.

Bootleg is made of water-repellent "Oxford" cloth, has a zipper with lacing at the bottom and adjustable cuff at the top of the bootleg, it provides comfort in walking and protection against the wind, penetration of snow, moisture, dust and various objects inside the boots. The galosh is resistant to aggressive environments - solvents, oils, petroleum products.

Sole walking surface with metallic creepers providing excellent adhesion on slippery ice-covered and oiled surfaces. For use in oil and gas industry boots can be supplied without metallic creepers. Water-tight, with galosh and bootleg connection seals safely sealed. The high boots are completed with removable stockings, performing the function of a strong heat insulator, consisting of 5 layers, one of which is metallized

Upper: water-repellent "Oxford" cloth.

Toe-cap: ebonite (15 J).

Galosh: cold-resistant nitrile rubber.

Color: black. Size: 40 - 47.

TU 2595-001-15169704-2005, GOST 12.4.072-79,

GOST 28507-90

For use in climatic zones II, III and IV and critical climatic







Footwear for protection against low temperatures





5.261 High fur boots

Upper: genuine fur (double layer sheepskin) / leather. **Sole:** five-ply felt / microcellular rubber.

Color: black. Size: 39 - 47.

TU 8811-001-98493106-2007





5.181 Fitter's warmth-keeping low boots

Upper: leather / yuftin. **Lining:** nonwoven fabric Toe cap: thermoplastic. **Sole:** thermoplastic elastomer. Assembly: adhesive and broaching.

Color: black. Boot height: 27 cm. **Size:** 39 – 47. GOST 5394-89

5.282

Removable stockings "Polizon"

Made of three-layered heat-insulating nonwoven fabric, with metallised film creating "thermos effect". Can be used at temperatures up to -30°C. The material has no adverse effect on a man's foot, does not collapse under exposure to moisture, heat and sweat. Compression resistant and is reshapable after deformation loads. Toe and heel parts are reinforced with fabric patches.

Material: three-layer nonwoven fabric "Polizon"

Size: 35-36, 37-38, 39-40, 40-41, 42-43, 44-45, 46.

TU 8439-002-51664612-2010



Felt boots (valenki) Upper: virgin wool.

Rubber-coated felt boots (valenki)

Sole: rubber. Size: 36 - 47. GOST 18724-88 TU 35-5773-02-89 TU 17 RF 0302312-002-90



5.141 Overshoes (galoshes) for felt boots

Upper: frost-resistant rubber. Assembly: injection molding. **Size:** 36 – 47.

TU 2590-010-14032044-05



5.040

Removable stockings

Material: artificial fur, nonwoven fabric. Size: 35-36, 37-38, 39-40, 40-41, 42-43, 44-45, 46,

TU 8439-002-51664612-2010

Can be used with the following models of shoes:

"PVC": 5.225, 5.226, 5.243, 5.245, 5.242, 5.220, 5.241, 5.240, 5.244, 5.222, 5.012,

"Nitrile" series footwear: 5.109, 5.064. "Standard" series footwear: 5.193, 5.195.

Recommendation: If removable stockings are used select a boot size that is one size larger than your normal everyday shoe size.



9.065 Anti-slip device with steel creepers "Ledochod"

Provide excellent adhesion on slippery surfaces and preventing falls. Removable. Made of high-quality flexible rubber with 6 steel creepers for each boot (12 creepers per pair). The creepers are made of hardened stainless steel, securely fastened, do not fall out or wear out.

Size: 35 – 45.

TU 2536-001-79369731-2009



Women's cloth boots

Upper: cloth / faux fur. **Sole:** PVC with nitrile rubber. **Color:** black.

Size: 36 – 41.

TU 2590-001-51664612-2003



5.152

Men's cloth boots Upper: cloth / faux fur.

Sole: PVC with nitrile rubber.
Color: black.

Size: 38 – 46.

TU 2590-001-51664612-2003

$\boxed{5.003}$



5.003 Insoles "Foil+"

Winter insoles, provide excellent cold protection. Multy-layer structured: merino virgin wool+metallic foil base. Foil reflects cold better than the other materials and virgin wool keeps the warmth inside. Multy-ply structure of intermediate polyurethane foam layer creates shock-absorbing air space. For better durability the insole is stitched with catch stitch securely connecting the layers. The insole should be inserted into dry footwear, woolen surface up.

Size: 36 – 46.



5.001 Salton insoles with Aloe Vera extract

Comfortable and soft insoles made of microfiber with Aloe Vera extract are an everyday essential for those who spend a lot of time on their feet. Consist of 3 layers. The top layer – microfiber with soft suede effect, wear resistant. The second layer – latex foam with Aloe Vera extract – prevents the growth of harmful bacteria and microorganisms, and also eliminates the effect of "burning feet". The third layer – latex foam with activated charcoal – perfectly absorbs moisture and unpleasant odors. Latex absorbs shocks while walking; the porous structure allows the skin to breathe.

DIRECTIONS FOR USE

special leather, combination, rubber and PVC footwear

When choosing and using special footwear consumers should remember several rules:

- **1.** It is necessary to choose correct size and width footwear taking into consideration individual foot peculiarities. At try-on the footwear should not give any trouble, the foot should not be compressed.
- 2. The footwear should be used according to its seasonal function, leather footwear is not water-proof (like, for axample, rubber or PVC footwear).
- **3.** To provide prolonged service life of the footwear the following is required:
 - to use footwear in compliance with the marking of protective properties and certificates confirming compliance with the standards;
 - after wearing and working the footwear should be cleaned carefully, dried and left open for airing in ventilated room at not less than 30 cm distance from heating appliances;
 - it is not allowed to clean footwear with organic solvents;
 - systematically (not less than once a week) dressing should be applied with subsequent brush polishing;
 - for boxcalf footwear emulsion dressing should be used, for yuft leather footwear rich dressing should be used;
 - when wearing footwear upper and sole cuts should be avoided, as they result in reducing protective properties;
 - for putting on, footwear should be unlaced, unzipped, unfastened, and shoe-horn should be used (to avoid back creasing).



Respiratory Protection

Respiratory protection need and importance

Before using filter PPE for efficient respiratory protection one should by all means consider the following characteristics: composition, type and properties of harmful substances in the working environment as well as oxygen concentration in the inhaled air and working conditions.

The main groups of respiratory hazards:

- aerosols,
- gases and vapors.
- oxygen deficiency.

Different physics of those substances and their different human effect determines the difference of protection equipment used.

Aerosols – are very small particles hovering



in the air. It may be solid particles, liquid drops and suspensions.



Particles become electric in the geomagnetic field, therefore protection equipment against aerosols, both solid (dust) and liquid (mist) is based on the use of electrostatic filters.

Facial part may be different: lightweight disposable filtering half mask (respirator), mask/half mask with insulating facial part and changeable filters or forced airfeeding system.

Both **gases and vapors** are gases (respective substance molecules suspended in the air) which differ only in generation process.



Gas and vapor filtration is based upon sorption. Gases get bound chemically, so protection means include charcoal filters impregnated with proper sorbent.

According to the Russian legislation **oxygen deficient air** is the air containing less than **17,5%** of oxygen.

Relatively small reduction of oxygen content may result in drowsiness and major reduction – in loss of consciousness and death.

When there is a threat of oxygen content reduction filtering protection equipment is inapplicable, and it is only **insulating protection equipment** (respiratory systems) that can be used.

Non-application or incorrect application of personal respiratory protection equipment during working in the polluted environment may result in chronic occupational diseases!

It is important to remember that aerosol protection equipment does not protect against gases and vapors and, correspondingly, gas protection equipment does not protect against aerosols.

Service life of personal respiratory protection depends on the type:

- for aerosol filtering half masks until breathing difficulty appears;
- for gas filters until odor appears under the mask.

Essential and determining factors of reliable respiratory protection:

- rightly chosen personal respiratory protection equipment subject to the type and concentration of harmful substances –
 "Technoavia" experts will help you with it;
- protection equipment quality it is guaranteed by the manufacturer, manufacturer's reputation and experience in personal respiratory protection equipment;
- conformity with Russian standards all products supplied by "Technoavia" are provided with certificates of quality;
- snug fit against face it is one of the key factors of quality respiratory protection. In case of loose fit a person can inhale up to 100% of non-filtered air.

Snug fit is achieved by observing the following rules:

- the staff should understand the importance of reliable and quality respiratory protection against air hazards;
- workers should be skilled to put on a respirator correctly and check the tightness of fit;
- respirator design should be as follows: nose clip, padding under nose clip, headband adjustment;
- respirator should be comfortable: low respiratory resistance, quality inner layer material, exhalation valve;
- information on correct respirator usage should be available at work places and at servicing plants;
- there should be no under-mask in-leak when in use.

Attention should be paid to such factors as:

- certificate of conformity authenticity;
- quality of packing, as damaged or nonmanufacturer's package gives warning of possible ingress of dirt and harmful substances onto personal protection equipment before usage.



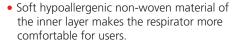
Fit Test set for testing fitting tightness of 3MTM FT-10 respirator which can be purchased from "Technoavia" will enable workers to test tightness of fitness directly on the spot, even after some time has passed after the shift began.

In "Technoavia" offices you can receive pictorial information wall sheets with respirator usage instructions free of charge:



Aura 9300+ Series aerosol filtering half masks (respirators) of three panel design





- The respirator is lightweight and foldable and therefore easy to use, store and transport.
- Individual packaging prevents dirtying in storage.
- New design of headbands reduces their pressure.
- New generation filtering materials provide more efficient protection with lower breathing resistance.
- Sustains temperature from -30°C to +70°C.



9.310 Aura 9310+ filtering half mask (respirator) for protection against dust and mists

Provides protection against dust and mists at industrial plants, as well as in the process of execution of a number of works for which aerosol protection is reauired.

Weight: 9 g.

Protection level: FFP1 (up to 4 MAC) GOST R 12.4.191-99



9.320 Aura 9320+ filtering half mask (respirator) for protection against dust and mists

Provides protection against dust and mists at industrial plants, as well as in the process of execution of a number of works for which aerosol protection is reauired.

Weight: 10 q.

Protection level: FFP2 (up to 12 MAC) GOST R 12.4.191-99



9.332 Aura 9332+ filtering half mask (respirator) for protection against dust, mists, fumes (with exhalation valve)

Used at industrial plants where high efficiency protection against dust, mists., fumes, asbestos. Weight: 13 q.

Protection level: FFP3 (up to 50 MAC) GOST R 12.4.191-99

Recommended fields of application:

- metallurgy
- buildina
- machine construction
- shipbuilding
- ceramics
- foundries
- brick production
- saw mills
- working at opencast and open-pit mines
- pharmacology
- agricultural chemistry
- rubber and plastic handling
- chemical works
- welding works and soldering
- battery manufacturing



9.312

Aura 9312+ filtering half mask (respirator) for protection against dust and mists (with exhalation valve)

Applied under conditions of high temperature and humidity when the works executed require protection against dust and mists.

Weight: 11 q.

Protection level: FFP1 (up to 4 MAC) GOST R 12.4.191-99



9.322

Aura 9322+ filtering half mask (respirator) for protection against dust and mists (with exhalation valve)

Applied under conditions of high tempeature and humidity when the works executed require protection against dust and mists.

Weight: 11 g.

Protection level: FFP2 (up to 12 MAC) GOST R 12.4.191-99





Respiratory Protection

31

9.931

"K" Series aerosol filtering two-panel half masks (respirators)

- Foldable 2-panel respirators of horizontal folding design fit the face well.
- Nose clip, which has not been prefolded, takes the shape of nose bridge preventing leak-in to the under-mask area.
- Large area of high quality filter material provides comfort breathing.
- Exhalation valve with an elastic rubber band effectively dissipates heat and moisture making breathing easier.
- Durable, large respirator suits various types of face.
- Used at high temperatures and in excess humidity.
- Made in Russia.

Recommended fields of application:

- metal working
- woodworking
- packing and handling of bulk materials
- building and repairs
- mining

9.930 K101P filtering half mask (respirator) for protection against dust, mists, fumes (with exhalation valve) Weight: 10 g. Protection level: FFP1 (up to 4 MAC) GOST R 12.4.191-99



9.931 K111P filtering half mask (respirator) for protection against dust, mists, fumes (with exhalation valve) Weight: 11 g. Protection level: FFP1 (up to 4 MAC) GOST R 12.4.191-99



9.912 K102P filtering half mask (respirator) Weight: 11 g. Protection level: FFP2 (up to 12 MAC) GOST R 12.4.191-99



9.932 K112P filtering half mask (respirator) for protection against dust, mists, fumes (with exhalation valve) Weight: 11 g. Protection level: FFP2 (up to 12 MAC) GOST R 12.4.191-99



9.933 K113P filtering half mask (respirator) for protection against dust, mists, fumes (with exhalation valve) Weight: 11 g. Protection level: FFP3 (up to 50 MAC) GOST R 12.4.191-99

VFlex™ series aerosol filtering two-panel half masks (respirators)

We would like to introduce new innovation design developed by 3M, our partner, − VFlex[™] aerosol respirators. It is high degree protection at a reasonable price.

The unique design is a respirator which is highly protective and at the same time very comfortable. Made in Russia.

Provides protection against dust, mists and fumes. Does not lose its protective performance at high and low temperatures and in high humidity.

Field of application

- metal manufacture
- iron and steel foundry industry
- machinery construction
- buildina
- shipbuilding
- agriculture
- handling of powder chemicals
- pharmaceutics
- food industry

High degree of protection

- thanks to special design the respirator tightly fits any type of face;
- adjustable nose clip;
- 2 sizes (standard and small) make it possible to choose the optimum size.

Comfort

- "tabs" for convenient use;
- special V-notch on the front surface for preserving the respirator form and providing enough space under it for comfortable wear:
- takes very little space when folded.

Low breathing resistance

- filter: 3M™ Filter Media;
- large filter surface;
- inner plies further increasing the surface area.





9.916
VFlex™ 9101 aerosol filtering half mask (respirator)
Weight: 6 g.
Size: standard.
Protection level: FFP1 (up to 4 MAC)

GOST R 12.4.191-99



9.917
VFlex™ 9101S aerosol filtering half mask (respirator)
Weight: 6 g.
Size: small.
Protection level: FFP1 (up to 4 MAC)
GOST R 12.4.191-99



9.935
VFlex™ 9152 aerosol filtering half mask (respirator)
Weight: 6 g.
Size: standard.
Protection level: FFP2 (up to 12 MAC)



9.934 VFlex[™] 9152S aerosol filtering half mask (respirator) Weight: 6 g. Size: small. Protection level: FFP2 (up to 12 MAC) GOST R 12.4.191-99



GOST R 12.4.191-99

Respiratory Protection

Aerosol filtering molded half masks (respirators)





8.1011 8101 aerosol filtering half mask (respirator)

Protection against dust and mists. Fits the face tightly Does not lose its protective properties at high and low temperatures.

Field of application: iron and steel foundry industry, machinery construction, building, shipbuilding, agriculture and others.

Weight: 9 g.

Protection level: FFP1 (up to 4 MAC) GOST R 12.4.191-99



8.102 8102 aerosol filtering half mask (respirator)

Protection against dust and mists. Fits the face tightly Does not lose its protective properties at high and low temperatures and in excess humidity.

Field of application: metal manufacture, production of nutritional energy supplements, packing of foodstuffs, saw-mills, pharmaceutics, shipbuilding, handling of powder chemicals.

Weight: 10 g.

Protection level: FFP2 (up to12 MAC)

GOST R 12.4.191-99



8.1122 8112 aerosol filtering half mask (respirator) (with exhalation valve)

Protection against dust and mists. Fits the face tightly. Parabolic exhalation valve efficiently removes heat and moisture for easy breathing. The cup shape and resistance to crushing provide safe and comfortable protection, especially at high temperatures and in excess humidity.

Field of application: rubber and plastic industries, pharmaceutics, building, machinery construction, agricultural chemistry, ceramics, quarrying, agriculture. **Weight:** 12 g.

Protection level: FFP1 (up to 4 MAC) GOST R 12.4.191-99



8.1222 8122 aerosol filtering half mask (respirator) (with exhalation valve)

Protection against dust and mists. Fits the face tightly. Parabolic exhalation valve efficiently removes heat and moisture for easy breathing. The cup shape and resistance to crushing provide safe and comfortable protection, especially at high temperatures and in excess humidity.

Field of application: metal manufacture, iron and steel foundry industry, shipbuilding, metal working, building, pharmaceutics, handling of powder chemicals.

Weight: 13 g.

Protection level: FFP2 (up to 12 MAC)

GOST R 12.4.191-99

Special-purpose aerosol filtering half masks (respirators)



8.710 8710 filtering half mask (respirator) for protection against dust and mists (enhanced

Applied for protection against dusts of metallic ores, metals (including steel, manganese, lead), minerals, coal, wood, dry resins, plastics, polymers, glass fiber, blue stain fungi, cotton, flour, dry fertilizers and other substances; spray and condensation fogs provided no unhealthy vapors are released during spraying and condensation. Lightweight and comfortable.

Weight: 7 g.

Protection level: FFP1 (up to 4 MAC)

GOST R 12.4.191-99



9.925 9925 filtering half mask (respirator) with additional protection against welding fumes, organic compounds and ozone (with exhalation valve).

Applied for protection against welding fumes, mist, ozone and organic vapors, dusts of metallic ores, lead, minerals, coal, cotton, flour and other substances; mists including cobalt, aluminium, chrome, copper, lead, manganese, molybdenum, nickel, tin, vanadium, oxides of iron, magnesium, galvanic zinc, titanium dioxide, including in welding galvanized and stainless steel and aluminium. Used at high temperatures and in excess humidity.

Weight: 32 a.

Protection level: FFP2 (up to 12 MAC, for ozone and organic vapors: up to MAC)

GOST R 12.4.191-99



9.913 9913 aerosol filtering half mask (respirator) with additional protection against organic

Applied for protection against dusts of metallic ores, lead, minerals, coal, cotton, flour and other substances; spray and condensation fogs; additionally reduces the adverse effect of organic vapors when their concentration does not exceed MAC.

Weight: 12 g.

Protection level: FFP1 (up to 4 MAC)

GOST R 12.4.191-99



9.914

9914 aerosol filtering half mask (respirator) with additional protection against organic vapors (with exhalation valve)

The respirator of combined action against aerosols and organic vapors (within MAC). Applied at high temperatures and in excess humidity; for protection against dusts of metallic ores, lead, minerals, coal, cotton, flours and other substances; spray and condensation fogs; additionally reduces the adverse effect of organic vapors when their concentration does not exceed MAC.

Weight: 15 q.

Protection level: FFP1 (up to 4 MAC)

GOST R 12.4.191-99



9.915 9915 aerosol filtering half mask (respirator) with additional protection against irritant action of acid gases and vapors.

Applied for protection against dusts of metallic ores, lead, minerals, coal, cotton, flour and other substances; spray and condensation fogs; additionally reduces the adverse effect of acid gases (down to MAC), including hydrogen fluoride, sulfur dioxide provided their concentration does not exceed MAC.

Weight: 10 a.

Protection level: FFP1 (up to 4 MAC)

GOST R 12.4.191-99



9.926

9926 aerosol filtering half mask (respirator) with additional protection against acid gases (with exhalation valve)

Applied for protection against dusts of metallic ores. lead, minerals, coal, cotton, flour and other substances; spray and condensation fogs; additionally reduces the adverse effect of acid gases including hydrogen fluoride, sulfur dioxide provided their concentration does not exceed MAC. The unique valve reduces heat production and moisture accumulation under the mask. Lightweight and safe model. Used at high temperatures and in excess humidity.

Weight: 18 g.

Protection level: FFP2 (up to 12 MAC)

GOST R 12.4.191-99





Half-face and full-face respirators 3M™

- provide protection against fumes, vapors, aerosols (dust, mist, smoke):
- could be used with different types of particulate filter cartridges, with bayonet style cartridge holders, for protection against gases and vapors, with filter 2135 (HEPA) providing high efficiency cleaning in combination with 502 filter retainer; 5.911 and 5.925 particulate filter cartridges for protection against dust, mists, paints, pesticides in combination with 502 filter retainer.
- exhalation and inhalation valves facilitate respiration and prevent moisture accumulation.
- do not affect speech.
- could be washed with a mild detergent (without filter and particulate filter cartridge).

All half-face and full-face respirators with reusable cartridges, filters and prefilters are not to be used in atmospheres containina less than 18% oxygen



Half-face respirator, 6000 series

6.1000 (6100) - small size 6.2000 (6200) - medium size 6.3000 (6300) - large size

Fits a wide variety of face shapes and sizes. Contains twin elastic cotton based headbands and 4-point rear suspension that is easy to adjust. Soft and light facial part for secure fit. Comfortable construction provides a large field of vision; compatible with eye and head protection accessories; evewear, helmets, casques. Weight: 370 a.

GOST R 12.4.190-99



5.911

Particulate Filter. **Protection against** dust and mists **Provides P1 protection** (up to 4 MAC). GOST R 12.4.194-99



501

Filter retainer for 5.911 and 5.925 particulate filters







Full-face respirator, 6000 series

6.7000 (6700) - small size 6.8000 (6800) - medium size 6.9000 (6900) - large size

Full-face respirator with nose cup assembly made of thermoplastic. Wide panoramic polycarbonate lens (shockproof, scratch-resistant) provides excellent vision. Exhalation and inhalation valves. The 4-point rear suspension is easy to adjust, reduces pressure, provides tight fit. Effective respiratory protection, cost effective, comfortable to wear for long periods of

GOST R 12.4.189-99



Disc Filter HEPA 2135 provides protection against dust, fog, smoke, asbestos, radionuclides Provides P3 protection. GOST R 12.4.194-99

502 Filter adapter 2135 (HEPA)

6.035 Cartridge filter. Pro-

vides protection against solid and liquid aerosols Provides P3 protection.

Unique bayonet fitting for use with half-face and full-

face respirators. Plastic case, ideal for wet conditions.

GOST R 12.4.194-99





Half-face respirator, 7500 series

7.501 - small size 7.502 – medium size 7.503 - large size

Half-face mask can be used with any of the 3M™ anti-gas and non-aerosol input filters. Soft, flexible face seal made of an advanced silicone material creates a positive pressure environment within the mask and provides comfortable fit.

Patented valve for extended comfortable wear:

- does not vibrate:
- reduces heat buildup in the face piece;
- makes it possible to remove the accumulated moisture without taking off the mask.

Unique head harness design:

- new head harness design adjusts easily so you have the option of wearing the respirator in drop-down mode (when not in use);
- headband design reduces pressure around the
- · exhaled air is directed straight down to reduce fogging when wearing face shields.

GOST R 12.4.190-99

6.885

3M 2135

Lens cover for full-face respirator



3M

Anti-gas, anti-aerosol and combined cartridges 3M for full-face and half-face respirators



Model	Photo	Features			Level of protection (MAC)	
		Letter indication	Color indication	Protection against	With half-face respirators	With full-face respirators
6035		Р3		Solid and liquid aerosols	50	200
6051	AT \$4005 (1006 C)	A1		Organic gases and vapors with a boiling point above 65°C (acetone, epoxy resin, etc.)	10	200
6057	TOOM CO	ABE1		Organic, inorganic, acid gases and vapors (acetone, chlorine, hydrogen sulfide, hydrogen cyanide, sulfur oxides)	10	200
6059	M. 1909	ABEK1		Organic, inorganic, acid gases and vapors (acetone, chlorine, hydrogen sulfide, hydrogen cyanide, sulfur oxides), ammonia and its derivatives	10	200
6075		A1 + formaldehyde		Organic vapors (acetone) and formaldehyde	10	200
6009		With indicator		Elemental mercury vapor and chlorine	-	-
2135 HEPA filter	SM 2135 PM 45/500 yr a 1 107930 PM 107 M 10 M 10 SCLZ WE	Р3		Solid and liquid aerosols	50	200

All cartridges comply with GOST R 12.4.193-99
Anti-aerosol filters should be replaced if breathing becomes difficult
Anti-gas filters should be replaced if there is outside odor under mask.



Respiratory Protection

Arrangement scheme of full-face and half-face respirators with filters and pre-filters

Half-face respirator, 6000 series



Half-face respirator, 7500 series



Full-face respirator, 6000 series



Protection against gases, vapors and aerosols

Replacement cartridges, depending on the harmful substances in the production environment: 6009, 6051 (A1), 6057 (ABE1), 6059 (ABEK1), 6075 (A1 + formaldehyde)









Protection against

aerosols

provides protection against dust, fog, 6035 provides prosmoke, asbestos, tection against solid radionuclides. and liquid aerosols. With half-face res-With half-face pirators - up to respirators - up to 50 MAC, with full-50 MAC, with fullface respirators face respirators up to 200 MAC. up to 200 MAC.

Filter adapter HEPA (502)



Particulate filter provides protection against dust and mists **5.911** and 5.925

> Particulate filter provides protection against dust and mists 5.911 and 5.925 (501)





up to 200 MAC.





3.3910 Filter 3391. Protection against aerosols, organic gases and vapors Provides P2 protection against aerosols (with halfface respirator up to 12 MAC) and organic gases and vapors A1 (with half-face respirator - up to 50 MAC).

3.3510 Filter 3351. Protection against organic gases and vapors **Provides protection**

GOST R 12.4.251-2009

against organic gases and vapors with boiling point more than 65°C, A1 (with halfface respirator - up to 50 MAC). GOST R 12.4.251-2009



Half-face respirator, 3000 series

3.1000 (3100), sizes S / M (small / medium)

3.2000 (3200), sizes M / L (medium / large)

In combination with filters and pre-filters provides protection against aerosols, gases and organic vapors. Elastomeric face seal for secure and comfortable fit. The respirator is equipped with a filter or a pre-filter, which is attached with latch. For use in various manufacturing conditions: high temperatures and high humidity.

GOST R 12.4.190-99



7.725 Particulate filter 7725 **Provides P2 protection against** aerosols (with half-face respirator up to 12 MAC). Fastened to the gas filters 3351 and 3391.

GOST R 12.4.194-99

3.701

Filter retainer 774 for particulate filter 7725

162

Emergency Escape Masks



1.014 "Fenix" protector hood

Intended for respiratory, eye and face protection against vapors, gases and aerosols of hazardous chemical substances (including combustion gas) during evacuation from buildings and different purpose facilities in a fire (provided there is no long-term exposure to flame) as well as from chemical contamination areas in case of technogenic accidents and terrorist acts.

Time of protective action: 30 minutes. TU 8027-51203294-002-2004

1.015 "Fenix-2" self-rescue breathing apparatus

"Fenix-2" self-rescue breathing apparatus is intended for respiratory, eye and head protection of adults and children over 7 against aerosols, vapors and gases of hazardous chemical substances in a man-caused emergency situation. Additional protection against CO. Certificate of fire security

Time of protective action: not less than 60 minutes

STO-51203294-002-2006

Heat Accumulating Mask

6.248

Individual heat accumulating mask (air conditioner)

Intended:

- For respiratory protection against cold air hazard and reduction of body heat losses through breathing at low (up to -50°C) ambient temperature. The mask accumulates heat energy from the exhaled air and warms up the inhaled air to comfort temperature. Worker's resource during a long stay out-of-doors at low temperatures. The mask helps to quickly restore thermal resource (body and limb temperature) of the person freezing in the cold.
- For protection against overheating and fluid loss at high (up to +50°C) ambient temperature. Prevents heat exhausting in response to increased physical activity.

The mask is an additional active element of body heat exchanging system providing general favorable stabilizing effect due to creation of balanced breathing conditions of temperature and humidity.

Fields of application: works in the open or at unheated premises in winter, rescue activities, sports, tourism, hunting, fishing and all cases of thermal discomfort.

Operating principle: the main element of heat accumulating mask is a thermal unit which is a capacitance reversible heat exchanger.

- The thermal unit accumulates the exhalation thermal energy and transfers it to the inhaled air portion heating cold inhaled air up to comfort temperature.
- The main advantage of this design is the absence of moisture condensation on the mask surface at low ambient temperature due to the fact that all the moisture contained in the exhaled air is brought back.

Method of application:

- Pull the mask out of the pack.
- Fix the mask on the face using available fastening element for ensuring breathing through the mask. Air leaks through the lateral surfaces of the mask are allowed. Alternatively it is possible to use a thermal unit separately fastening it with elements of clothes such as scarf, collar etc.



• After usage it is recommended to dry the mask and store it at a dry clean place.

One mask must not be used by several persons.

In case of everyday use it is necessary to perform disinfection with ozonizer or in alcoholic vapors not less than once in a fortnight. The latter scheme should be as follows:

- The thermal unit of the mask together with an alcohol-soaked cotton pad is placed into a plastic bag for 30–60 minutes.
- After disinfection the thermal unit is dried at +20°C to +60°C until alcoholic vapors are removed

The thermal unit service life does not exceed 1000 hours.

The mask and the thermal unit are made of the material which has no adverse effect on human body. It is necessary to avoid direct contact of thermal unit surface with moisture. In case of contact with moisture it is necessary to dry the thermal unit at $+20^{\circ}\text{C} - +60^{\circ}\text{C}$ until its functions are restored.

As of today no side effects of using thermal mask have been detected, but developers let in a possibility of individual reaction.

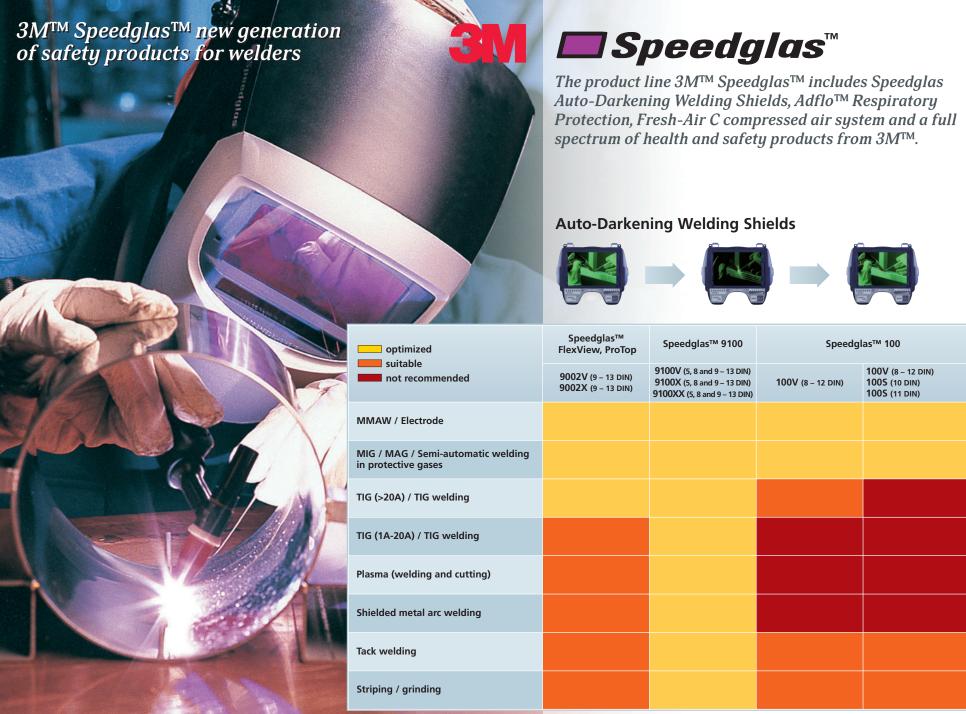


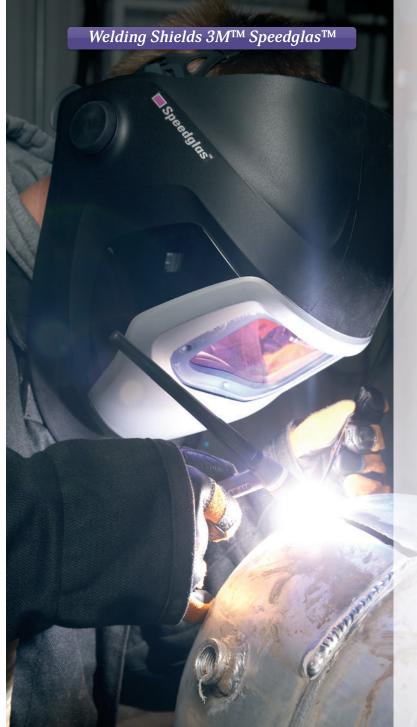
If any discomfort or unpleasant sensations appear when breathing through the mask, it is necessary to immediately stop its usage and consult the manufacturer and (or) a local doctor.

TU 2568-001-94801083-2007 GOST 12.4.041-2001 (section 4–7, 9, 12) GOST R 12.4.189-99 (section 4, 8, 10) GOST 12.4.190-99 (section 4, 8, 10)











Speedglas™ 9100 Welding helmet

Provides constant protection from harmful ultraviolet (UV) and infrared (IR) radiation in all states. The shield is designed to work in most welding situations and applications, it is easy to operate and maintain. Special design provides the welder with absolute freedom and comfort. Could be used with 3MTM 9925 respirator.

GOST R 12.4.238-2007

Speedglas™ 9100 benefits:

- deep and wide helmet provides great coverage of the ears, neck and sides of the head
- large width of the helmet and side windows widens the field of vision
- instead of the films protection plates with a convenient mounting system are used to close the side windows
- balanced plate reduces the load on the neck muscles
- comfortable headband with adjustable head straps reduces the pressure on the head. There are several adjustments: tilt, head size, distance to the face
- heat reflection silver front panel
- several ventilation holes for easy breathing
- additional solar panel extends the work
- powered by 2 batteries

5.01805 Speedglas™ 9100 Welding Shield with Speedglas™ 9100V Auto Dark Lens

5.01815 Speedglas™ 9100 Welding Shield with Speedglas™ 9100X Auto Dark Lens

5.01825 Speedglas™ 9100 Welding Shield with Speedglas™ 9100XX Auto Dark Lens

Outer protection lens for SpeedglasTM 9100 series welding helmet

5.26000 Speedglas™ (526000) outer protection lens for 9100 series welding helmet, pack of 10.

5.27000 Speedglas™ (527000) scratch-resistant outer protection lens for 9100 series welding helmet, pack of 10.

5.27070 Speedglas™ (527010) outer heat resistant lens for 9100 series welding helmet, pack of 10.

Inner protection lens for Speedglas™ 9100 series welding helmet

5.28005 (528005) Speedglas™ 9100V inner protection plate, pack of 5.

5.28015 (528015) Speedglas™ 9100X inner protection plate, pack of 5.

5.28025 (528025) Speedglas™ 9100XX inner protection plate, pack of 5.



9100V Auto Dark Lens • Viewing area: 45 x 93 mm.

9-13.

- Seven different shade settings are available, split into two groups, 5, 8 and
- Five sensitivity levels, five variable dark shade levels.
- Three optical sensors on the welding filter.
- Solar panel power assistance.

9100X Auto Dark Lens

- Viewing area: 54×107 mm.
- Seven different shade settings are available, split into two groups, 5, 8 and 9-13.
- Five sensitivity levels, five variable dark shade levels
- Three optical sensors on the welding filter.
- Solar panel power assistance.

9100XX Auto Dark Lens

- Viewing area: 73×107 mm.
- Seven different shade settings are available, split into two groups 5, 8 and 9-13
- Five sensitivity levels, five variable dark shade levels.
- Three optical sensors on the welding filter











Speedglas™ 100 Welding helmet

Easy to use. Speedglas™ 100 Welding helmet is suitable for maintenance or construction workers.

The Speedglas 100 is an ideal helmet for the occasional or nonprofessional welders. It is designed to work in most welding situations and applications. Provides constant protection from harmful ultraviolet (UV) and infrared (IR) radiation in all states. Could be used with 3M[™] 9925 respirator.

GOST R 12.4.238-2007

Speedglas™ 100 benefits:

- Enlarged side area
- Increased width

7.51110 Speedglas™ 100 Welding helmet with Speedglas™ 100S-10 welding lens

7.51111 Speedglas[™] 100 Welding helmet with Speedglas[™] 100S-11 welding lens

7.51120 Speedglas™ 100 Welding helmet with Speedglas™ 100V welding lens

Outer protection lens for Speedglas™ 100 series welding helmet

7.76000 Outer protection lens – standard for Speedglas™ 100 series welding helmet, pack of 10.

7.77000 Scratch resistant outer protection lens for Speedglas™ 100 series welding helmet, pack of 10.

7.77070 Heat resistant outer protection lens for Speedglas™ 100 series welding helmet, pack of 10.

Inner protection lens for Speedglas™ 100 series welding helmet

4.28000 Speedglas[™] 100 Inner protection lens for 9002V, scratch-resistant, pack of 5.





Speedglas 100S-10 welding lens

- Viewing area: 44×93 mm.
- Dark shade level: 10 DIN.
- Delay (switching time dark-light): 150 ms.

Speedglas 100S-11 welding lens



- Viewing area: 44×93 mm.Dark shade level: 11 DIN.
- Delay (switching time dark-light): 200 ms.

Speedglas 100V welding lens

- Viewing area: 44×93 mm.
- Five different shade settings are available, split into two groups 8–12 DIN.
- Three user-selectable sensitivity levels for reliable arc detection.
 - Selectable delay settings (150ms 200 ms).



Speedglas™ FlexView Helmet

Ideal for poor lighting conditions.

Speedglas™ FlexView welding shield with auto-darkening filter and a clear visor. The Speedglas™ FlexView welding shield has a big clear visor, that is ideal for precision weld preparation under low light conditions. Side windows for a wide viewing area. Heat reflective silver front panel. Exhaust vents reduce the build-up of carbon dioxide (CO₂). 120 x 90mm clear visor.

Weight: 565 g. GOST R 12.4.238-2007

Complete welding shield with SideWindows:

with Speedglas™ 9002X, variable dark 441880 shade levels 9 - 13.

441870 with Speedglas™ 9002V, variable dark shade levels 9 - 13.

Supplied to order



Speedglas™ ProTop Welding System

Recommended for protection in areas with overhead hazards.

Speedglas™ ProTop combination: Welding shield with auto-darkening welding lens and safety helmet, is designed for welders working in areas with overhead hazards, such as cranes, protruding beams and moving machinery. Hard hat and welding helmet system uses exclusive pivot mechanism connecting the welding helmet to the hard hat, so helmet nests over hard hat when raised. More comfortable (lower) centerof-gravity. Side windows for a wide viewing area. Heat reflective silver front panel. CO2 reduction and SideWindows. Exhaust vents reduce the build-up of carbon dioxide (CO₂). Weight: 890 g (with helmet).

GOST R 12.4.238-2007

■ Speedglas[™]



Complete welding shield with SideWindows:

483880 with Speedglas™ 9002X, variable dark shade levels 9 - 13.

483870 with Speedglas™ 9002V, variable dark shade levels 9 - 13.

Supplied to order





Speedglas™ 9002V Auto Dark Lens

- Four adjustable sensitivity levels handle all types of arc welding. Unsurpassed in intelligent switching during low-amp steady TIG welding.
- Three adjustable delay settings.
- Five dark shade levels 9 13 DIN.
- Viewing area: 44×92mm.
- Fits into Speedglas™ FlexView and Speedglas™ ProTop welding shields and powered-air-purifying respirators.



Speedglas™ 9002X Auto Dark Lens

- Four adjustable sensitivity levels handle all types of arc welding. Unsurpassed in intelligent switching during low-amp steady TIG welding.
- Three adjustable delay settings.
- Five dark shade levels 9 13 DIN.
- Viewing area: 55×107 mm.
- Solar panel extending battery life to approximately 3000 hours.
- Fits into Speedglas™ FlexView and Speedglas™ ProTop welding shields.



Respiratory protection system for welders

3M[™] Speedglas[™] with Adflo[™] respiratory protection system

- The intelligent turbo unit keeps the airflow rate at a constant preset level.
- · Audible and visual alarms signal low airflow and low battery charge.
- · Brushless motor with a long service life.
- Exclusive airflow pattern means perfectlydistributed air throughout the entire breathing zone of the helmet.
- Two adjustable air flow settings.

GOST 12.4.041-2001, GOST R 12.4.193-99 GOST R 12.4.194-99



466680 Speedglas™ 9000 welding shield with Adflo™ respiratory protection system with Speedglas™ 9002X auto-darkening filter, variable dark shade levels 9 - 13.

466670 Speedglas™ 9000 welding shield with Adflo™ respiratory protection system with Speedglas™ 9002V auto-darkening filter, variable dark shade levels 9 - 13.

Adflo™ respiratory protection system Replacement Parts

- 1. Filter cover (838030): holds spark arrestor (836000) to reduce risk of filter fires.
- 2. Pre-filter (836010): increases the service life of the antiaerosol filter.
- 3. Particle filter P SL (837010): provides P3 protection, level of protection FFP3 (up to 50 MAC).
- 4. Battery (837620): fully charges in four hours. Operating time 8 hours with particle filter.
- 5. Brushless motor: with a service life three times longer than conventional
- 6. Leather belt (83500): designed for maximum comfort, distributes the weight of the block, does not create pressure zones.
- 7. Airflow Plus: for hot, humid jobs, the user can increase the airflow from 170 I/m to 200 I/m with the push of the button. The intelligent turbo unit keeps the airflow rate at a constant preset level.
- 8. Breathing tube: fits all Speedglas™ models.
- 9. Battery charger (833101)

Adflo™ respiratory protection system Accessories (Available on re-

10. Gas filter A1B1E1 (837242): provides protection against organic, inorganic, acidic gases and vapors.

11. Gas filter A2 (837542): provides extra protection against organic gases and vapors

12. Odour filter (837110): removes unpleasant smells (is not needed when the gas filter is installed).



Speedglas™ FlexView welding shield with Adflo™ respiratory protection system

Eye, face and respiratory protection. Ideal for poor lighting conditions.

• Welding shield with auto-darkening filter and a clear visor (120 x 90 mm).

GOST 12.4.041-2001 GOST R 12.4.193-99 GOST R 12.4.194-99



Attention! Available by special order!

446600 Speedglas™ FlexView welding shield with Adflo™ respiratory protection system without auto-darkening filter.

Speedglas™ 9000 welding shield with Fresh-air C compressed air system

Recommended for highly-contaminated welding environments or in confirmed spaces. Provides protection against particulates with concentration up to 200 MAC, in oxvgen-deficient atmospheres (less than 18% oxygen in air).

Features:

- Level of protection: up to 200 MAC.
- User-adjustable airflow from 140 to 300 l/min.
- Air pressure: 4 10 bar. Noise level -80 dB.
- Air flow regulator, low pressure
- · Compressed air filter (option).

Weight: 380 g.

GOST R 12.4.189-99 GOST R 12.4.193-99 GOST R 12.4.194-99



Attention! Available by special order!

468880 Speedglas™ 9000 welding shield with Fresh-air C compressed air system with Speedglas™ 9002X auto-darkening filter, variable dark shade levels 9 - 13.

468870

Speedglas™ 9000 welding shield with Fresh-air C compressed air system with Speedglas™ 9002V auto-darkening filter, variable dark shade levels 9 - 13.

Respiratory Protection

3MTM Powered Air Respirator – modern, effective powered air purifying system recommended for highly-contaminated environments.

This system is widely used in pharmaceutical and metallurgical industries, petrochemical plants, as well as in many other industries.

The 3M[™] Jupiter[™] Powered Air Purifying Respirator

Designed to provide protection against particles, gases and vapors with concentration up to 50 MAC.

- Compact and comfortable. Small size makes it ideal for using in tight spots
- Safe and effective. Electronic flow control giving known safe level of clean air. Visual and audible alarm in case of low battery and/or low flow. Filter cover prevents damage or sparks entering the filter body
- Easy to use and maintain. Smooth shape allows easy cleaning, water-proof filter cover allows shower decontamination

Jupiter™ Powered-Air Turbo can be connected to a number of different head tops according to user need using different connections. Wearer has got a complete flexibility to choose the right system.



6.301 3M™ Jupiter™ Powered Air Turbo

The 3M Jupiter Powered Air Purifying Respirator is designed to deal with dusts, particles, fumes, gases and vapors produced in the workplace, which can be injurious to the lungs. The Jupiter Turbo contains the motor and battery and is mounted on a padded adjustable belt so it fits neatly into the small of the back. This ergonomic positioning, combined with the low weight, helps to improve productivity as it is much less tiring to wear, particularly towards the end of a long shift. Visual and audible alarm for low battery or low airflow. Flame resistant hose cover. Small size makes it ideal for using in small spaces, 3M™ ORS Lightweight Tube connects 3M QRS headtop with 3M turbo/Airfed belt units.

GOST R 12.4.189-99, GOST R 12.4.193-99, GOST R 12.4.194-99, GOST 12.4.041-2001

6.341 Lightweight PU Breathing Tube with QRS fitting

PU tube is to connect 3M QRS headtop with 3M turbo / Airfed belt units.

GOST R 12.4.189-99 GOST R 12.4.193-99 GOST R 12.4.194-99 GOST 12.4.041-2001

6.361 3M™ Jupiter™ nickel metal hydride battery

8 hour run time (nominal). Battery sits unobtrusively inside the turbo, giving the unit its unique low profile. Batteries can be charged at any time in their charge cycle – no real memory effect on NiMH cells. Light weight. Battery provides 500 discharge / charge cycles.

GOST R 12.2.007.12-88

6.371 Intelligent charger for 3M™ Jupiter™ nickel metal hydride battery GOST R 12.2.007.12-88





Headtop with polycarbon ate visor HT-701+ (6.321)



Respiratory Protection

3M[™]Jupiter[™] Headcovers



6.321 HT-701 QRS Helmet Headtop

Provides face, eye and respiratory protection against gases, vapors. Recommended for highly-contaminated environments. Scratch-resistant polycarbonate visor provides clear all-around vision and provides protection from flying

particles, sparks, liquid chemicals. Application: all industrial areas that require eye, face, head and respiratory protection, including foundries and tunnel operations.

GOST R 12.4.189-99 GOST R 12.4.193-99 GOST R 12.4.194-99 GOST 12.4.041-2001

6.619
Polycarbonate visor HT-700
for headtop HT-701



6.609 Headcover with Integrated Head Suspension, S-133L Color: white.

Applications: Industry and laboratories, pharmaceutical, healthcare, food processing and safety.

GOST 12.4.041-2001 GOST R 12.4.189-99 GOST R 12.4.193-99 GOST R 12.4.194-99



6.610 High Durability Headcover with Integrated Head Suspension, 5-333LG Color: grev.

Applications: pulp and paper industry, wood industry.
GOST 12.4.041-2001

GOST R 12.4.041-2001 GOST R 12.4.189-99 GOST R 12.4.193-99 GOST R 12.4.194-99



6.617

Hood with Integrated Head Suspension, with neck and shoulder coverage, S-433L Color: white.

Applications: pharmaceutical, food and chemical industries.

GOST 12.4.041-2001 GOST R 12.4.189-99 GOST R 12.4.193-99 GOST R 12.4.194-99



6.618

High Durability Hood with Integrated Head Suspension, with neck and shoulder coverage, S-533L

Color: white O Applications: pharmaceutical, food, paints and chemical industries, healthcare.

GOST 12.4.041-2001 GOST R 12.4.189-99 GOST R 12.4.193-99 GOST R 12.4.194-99



6.607 S-855E Chemical Hood Assembly Assembly:

- general purpose S-805 hood with knitted inner collar;
- headband with air flow control;
- pad to reduce the size of the headband;
- barrier film S-922.

Color: white

Application: chemical industry, paints industry.

GOST 12.4.041-2001 GOST R 12.4.189-99 GOST R 12.4.193-99 GOST R 12.4.194-99

6.608
Replacement Hood
S-805E-5 for S-855

3M[™] Jupiter[™] Filters



6.351

P3 Filter, protection against aerosols GOST R 12.4.189-99, GOST R 12.4.193-99 GOST R 12.4.194-99, GOST 12.4.041-2001

6.352

A2P3 Filter, protection against organic vapors and gases GOST R 12.4.189-99, GOST R 12.4.193-99 GOST R 12.4.194-99, GOST 12.4.041-2001



6.353

ABEP3 Filter, protection against organic vapors/gases, non-organic vapors GOST R 12.4.189-99, GOST R 12.4.193-99 GOST R 12.4.194-99, GOST 12.4.041-2001

6.354

A2BEKP3 Filter, protection against organic vapors/gases, non-organic vapors, acid gases, ammonia GOST R 12.4.189-99, GOST R 12.4.193-99 GOST R 12.4.194-99, GOST 12.4.041-2001



6.131 "Lepestok 200" respirator

Respirator is recommended for respiratory protection against aerosols (at concentration not more than 100 mg/m³), dust, smoke and mist. Not to be used in oxygen-deficient atmospheres (less than 18% oxygen in air). Recommended for use in coal, mining, metallurgic industry, building, pharmaceutics, agriculture.

Protection level: FFP3 (up to 50 MAC) GOST 12.4.028-76 GOST 12.4.191-99



RPG-67 respirator

6.231 completed with A1 filter 6.587 completed with B1 filter 6.589 completed with K1 filter

Reusable respirator is recommended for respiratory protection against gaseous and vaporous harmful substances in the air. Not to be used in oxygen-deficient atmospheres (less than 18% oxygen in air).

TU 2568-283-05808014-2004 GOST 12.4.041-2001 GOST R 12.4.193-99 GOST R 12.4.190-99



RU 60-M respirator

6.232 completed with A1P1 filter 6.588 completed with B1P1 filter 6.590 completed with K1P1 filter

Respirator is recommended for respiratory protection against aerosols, gases, vapors.

TÜ 2568-277-05808014-2004 GOST 12.4.041-2001 GOST R 12.4.193-99 GOST R 12.4.190-99



6.251 **PSh-1S** Supplied-Air respirator (10 m hose length) with a storage bag

Designed for protection of human respiratory apparatus, eyes and head against any harmful impurities in the independent on their concentration, as well as in oxygen-deficient atmospheres. Air is supplied under the facial part through a hose pipe from clean zone due to inhaling by the person.

Used in various fields of industry and public service for working in reservoirs, wells, tanks.

TU 2568-194-05808014-99

6.252 PSh-1B-20 Supplied-Air respirator (20 m hose length) with a hose reel

TU 2568-194-05808014-99



6.141 U-2K respirator

Respirator with exhalation valve is recommended for respiratory protection against silicate, metallurgical, mining and other dust, and also for protection from various dusts, powder fertilizers, which are not allocating toxic gases and evaporations.

Protection level: FFP1 (up to 4 MAC)

TU 2568-001-370300080708-2010 GOST 12.4.041-2001 GOST 12.4.192-99 GOST 12.4.194-99



Disposable filter for RPG-67 respirator

6.241 Filter type A1

Protects against: organic vapors (benzol and its homologous compounds, petroleum oil, petroleum, spirits, esters, carbon sulphide).

6.581 Filter type **B1**

Protects against: acid gases and vapors (sulfur dioxide, hydrogen sulphide, chlorine hydride, phosphorus, chlorine, pesticide vapors).

6.583 Filter type K1

Protects against: ammonia, hydrogen sulphide, ammonia mixtures, hydrogen sulphide mixtures.

TU 2568-283-05808014-2004 GOST 12.4.041-2001 GOST 12.4.193-99 GOST R 12.4.190-99



Disposable filter for RU-60M respirator

6.242 Filter type A1P1

Protects against: aerosols, organic vapors (petroleum oil, petroleum, carbon sulphide, spirits, esters, benzol, cetones) dust, mist, fume.

6.584 Filter type **B1P1**

Protects against: aerosols, acid gases, phosphorus, chlorine, pesticide vapors, dust, mist, fume.

6.586 Filter type K1P1

Protects against: aerosols, ammonia, hydrogen sulphide, ammonia mixtures, hydrogen sulphide mixtures, dust, mist, fume.

TU 2568-277-05808014-2004 GOST 12.4.041-2001 GOST R 12.4.193-99 GOST R 12.4.190-99



6.233 Three-layer medical mask with elastic straps and nose clip

Made from nonwoven material. Elastic straps and nose clip assure a snug and comfortable fit. Additional filter layer. For use in medicine, cosmetology, food industry etc.

GOST R ISO 10993.1-99 GOST R ISO 10993.5-99 GOST R ISO 10993.10-99 GOST R ISO 10993.13-99









UVEX is a world leader in production of protecting spectacles for a wide range of professions.

80% of UVEX products are manufactured in their own plants in Germany. At its main location in the Bavarian city of Fuerth, the UVEX safety group has brought together its expertise in

safety eyewear and the latest innovations.

UVEX safety goggles deliver both premium comfort and maximum protection. UVEX safety eyewear can adapt to fit any head shape, ensuring higher wearer acceptance.

UVEX offers protective eyewear in a

variety of styles with different tints and coatings. Lens coatings offer a variety of uses and applications. All UVEX safety glasses comply with European standards and approved by

Russian GOST-standard.

UVEX glasses features



Quick and easy lens changing Light weight





Optical Class 1, complies with norms EN 166



High mechanical protection

UVEX lens tints



Clear lenses

- provide high mechanical protection
- 100% UV protection
- distortion-free color perception



Brown lenses

- provide high mechanical protection
- 100% UV protection
- filter parts of the visible spectrum, in particular blue light and infra-red light, providing glare protection and contrast enhancement. However, the use of these lenses is limited there, where color rendition is im-

portant.



Amber lenses

- provide high mechanical protection
 - 100% UV protection
 - the filter spectral characteristic shows absorption of blue in visible spectrum enhancing the contrast
 - for use in reduced visibility conditions (fog, rain, snow, twilight)



Orange lenses

- provide high mechanical protection
- 100% UV protection
- increased filtering within the visible short-wave light spectrum provides greater contrast
- the warm shade of orange has a relaxing effect on the eyes, even when worn for extended periods



Grey lenses

- provide high mechanical protection
- 100% UV protection
- filter parts of the visible spectrum, providing glare protection. Do not restrict color recognition



Blue lenses

- provide high mechanical protection
- 100% UV protection
- blue color acts soothingly thus resisting eye fatigue
- intended for jobs where higher attention and concentration are reguired and therefore eves are subject to constant stress

Not to be used in situations where accuracy of color needs to be tested.



Green lenses

- provide high mechanical protection
- 100% UV protection
- filter out UV rays, IR rays and visible glare
- designed for welding and similar operations

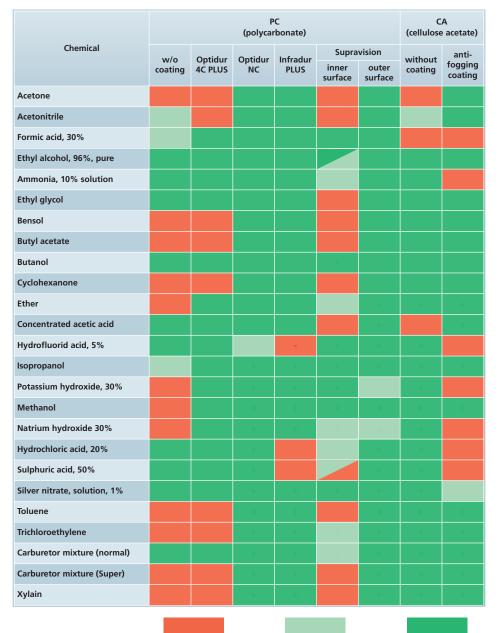


Grey welding lenses

- provide high mechanical protection
- 100% UV protection
- filter out UV rays, IR rays and visible glare while maintaining perfect colour recognition
- designed for welding and similar operations

<u>uvex</u>

Chemical stability of UVEX coatings



Not stable

Weakly stable

UVEX symbols



Lenses coated with **Supravision NCH** combine the advantages of **Optidur NCH** and **Optidur 4C PLUS**. They are scratch-resistant and non-fogging on the inside, while the outside is extremely scratchproof, resistant to chemicals and very easy to clean thanks to nanotechnology, resulting in a top-class coating.



Lenses coated with **Optidur NCH** are extremely scratch-resistant and are also highly resistant to chemicals. The lacquer system features nanotechnology, considerably increasing its non-stick properties. As a result, waterbased and oily marks can be removed effortlessly. Economy class coating.



Lenses coated with UVEX **Variomatic** darken within 10 seconds, providing the wearer with 100 % protection against UV radiation, and return to their original tint after 30 seconds – faster reactions than any other coating. These lenses are especially suitable for workers who frequently alternate between inside and outside work or between light and dark environments.



Infradur PLUS welding lenses protect against ultraviolet and infra-red radiation as well as glare. The coating minimises welding spark damage.



UVEX **Supravision Extreme** lenses prevent moisture from accumulating to ensure a permanent antifog effect – the lenses cannot steam up. Spectacles and goggles with uvex supravision extreme coating technology are especially suitable for environments with high air humidity and condensation.



UVEX **Supravision Performance** coating is perfect for sudden exposure to condensation and work environments which demand that lenses be frequently cleaned. The antifog coating is permanent.



Unique **Supravision HC-AF** coating makes the lens extremely scratch-resistant on the outside and permanently antifog on the inside. It also provides 100 % UV protection.



Optidur 4C PLUS combines 4 features in one lens for permanent antifog, scratchproof and antistatic properties plus 100 % UV protection. Recommended for use in highly humid conditions.



Ultradura is an economy class coating creating high scratch-resistance and maximum protection against hazardous UV radiation.



UVEX **Hi-Res** is the lens technology which reduces wave form aborations providing pin sharp vision and increased comfort for wearers: the latest development for safety eyewear with pin-sharp vision.



Individual temple inclination angle

Individual temple inclination angle means that UVEX safety spectacles can be individually adjusted to any head shape which is sure to attract customers.



Individual length adjustment

Each person's head shape is unique. Length adjustable temples guarantee comfortable wearing of UVEX safety spectacles.



UVEX Quatroflex

Four pads around sensitive area behind the ears create unique comfort and make the spectacles extremely handy.



UVEX Duo Flex

The unique patented soft pads on the ends of the handles provide a great advantage in terms of comfort because they do not press in behind the ears. Suitable for any shape of head. Protection and comfort.



Suitable for use with prescription glasses Overspecs and goggles, must be able to provide a pressure-free fit when worn in conjunction with prescription spectacles. We meet this requirement through excellent design engineering and the use of high tech materials.



UVEX easy to clean coating protecting against mud sticking which occurs during working under extreme conditions



Stable

PERSONAL PROTECTIVE EQUIPMENT

Eye protective wear

All UVEX spectacles listed in the catalogue correspond to EN 166-2001 and have Optical class 1 which means distortion-free throughout the entire field of vision.





6.150

Spectacles "Astroflex" (9163265)

Design: open model with side shields. Soft, closely fitting brow guard for protection against particles flying from above.

Adjustable temple length and lens inclination. UVEX duoflex soft pads on temple ends for comfortable

Protective properties: high-strength polycarbonate lens, protection against particles (front and side) flying at 45 m/s speed, UV radiation, chemical exposure. Optical class1.

Lens coating: Supravision HC-AF providing scratchresistance outside and anti-fogging inside.

Lens tint: clear. Weight: 63 a.

GOST R 12.4.230.1-2007, EN 166-168, 170









6.076

Spectacles "Astrospec" (9168025)

Design: open model with side shields. Adjustable inclination and temple length. UVEX duoflex soft pads on temple ends for comfortable wear. Simple lens replacement.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed. UV radiation, chemical exposure. Optical class 1.

Lens coating: Optidur NC, scratch-resistant.

Lens tint: clear. Weight: 55 q.

GOST R 12.4.230.1-2007, EN 166-168, 170









6.518 Spectacles "Astrospec" (9168135)

Design: open model with side shields. Extra comfort – inclination angle and temple length adjustable. UVEX duoflex soft pads on temple ends for comfortable

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed. UV radiation, chemical exposure. Optical class 1.

Lens coating: Optidur 4C Plus, anti-fog on both sides, scratch-resistant.

Ideal solution for

Lens tint: clear. Weight: 55 q.

GOST R 12.4.230.1-2007, EN 166-168, 170







6.092

Spectacles "Visitor" (9161005)

Design: open model with side shields and eyebrow visor. Extra comfort – inclination angle and temple length adjustable. UVEX duoflex soft pads on temple ends for comfortable wear. Can be put on over prescription spectacles.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: Optidur NC, scratch-resistant on both sides.

Lens tint: clear. Weight: 56 q.

GOST R 12.4.230.1-2007, EN 166-168, 170













6.086

Spectacles "SkyLite" (9174095)

Design: open model with panoramic vision. Adjustable lens inclination.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: Ultradura coating, scratch-resistant. Lens tint: clear.

Weight: 47 q.

GOST R 12.4.230.1-2007, EN 166-168, 170





6.080

Spectacles "Skyper" (9195265)

Design: open model with panoramic vision. Adjustable inclination angle and temple length. Frosted side shields aid glare protection.

Protective properties: high-strength polycarbonate lens, protection against particles (front and side) flying at 45 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: Supravision HC-AF against scratches outside and fogging inside.

Lens tint: clear. Weight: 30 g.

GOST R 12.4.230.1-2007, EN 166-168, 170









6.524Spectacles "Super OTG Hi-res" (9169260)

Design: open model with side shields and wide field of vision. Ideal solution for those who wear corrective glasses. The side temples concept features UVEX Xstream-technology for an excellent, non-lip fit. Simple lens replacement.

Protective properties: high-strength polycarbonate lens "Hi-res", protection against particles flying at 45 m/s speed and UV radiation. Distortion-free. Optical class 1.

Lens coating: Supravision NC providing scratch-resistance on both sides, anti-fogging inside.

Lens tint: clear. Weight: 18 q.

GOST R 12.4.230.1-2007, EN 166-168, 170







6.519



6.098

Spectacles "I-VO" (9160076)

Design: open model with panoramic vision. Adjustable temple length and lens inclination. UVEX "Quartoflex" soft pads on temple ends for comfortable wear.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure. Optical class 1.

Lens coating: OptidurNC providing scratch-resistance

Lens tint: grey lens protects against bright light, ultraviolet rays, provides good vision of the signal lights. Weight: 54 q.

GOST R 12.4.230.1-2007, EN 166-168, 170













6.099

Spectacles "I-Vo" (9160064)

Design: open model with panoramic vision. Adjustable temple length and lens inclination. UVEX "Quartoflex" soft pads on temple ends for comfortable wear.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure. Optical class 1.

Lens coating: Optidur NC providing scratch-resistance on both sides.

Lens tint: blue lens lowers the eye fatigue. Suitable for jobs requiring increased attention and eyesight concentration.

Important: blue lenses spectacles should not be used for activities where color correctness is to be checked

GOST R 12.4.230.1-2007, EN 166-168, 170







6.039

Spectacles "Super G" (9172210)

Design: open model with panoramic vision. Lenses are inclined forward for providing optimum ventilation and comfort. Metal-free. The frame is made of ultra light, high-technology polymers and has maximum fle-

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure. Optical class 1.

Lens coating: Supravision HC-AF providing scratchresistance outside and anti-fogging inside.

Lens tint: clear. Weight: only 18 q!

GOST R 12.4.230.1-2007, EN 166-168, 170







6.513

Spectacles "I-Vo" (9160285)

Design: open model with panoramic vision. Adjustable temple length and lens inclination. UVEX "Quartoflex" soft pads on temple ends for comfortable wear.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure. Optical class 1.

Lens coating: Supravision HC-AF against scratches outside and fogging inside.

Lens tint: clear, protection against ultra-violet rays, distortion-free.

Weight: 54 q.

GOST R 12.4.230.1-2007, EN 166-168, 170









6.047

Spectacles "Super G" (9172085)

Design: open model with panoramic vision. Lenses are inclined forward for providing optimum ventilation and comfort, Ultra light, Metal-free.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure. Optical class 1.

Lens coating: Optidur NC providing scratch-resistance on both sides.

Lens tint: clear. Weight: only 18 q!

GOST R 12.4.230.1-2007, EN 166-168, 170



6.519

Spectacles "I-Vo" (9160520)

Design: open model with panoramic vision. Adjustable temple length and lens inclination. UVEX "Quartoflex" soft pads on temple ends for comfortable wear.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure. Optical class 1.

Lens coating: Optidur NC providing scratch-resistance on both sides.

Lens tint: amber lens, absorption of blue in visible spectrum enhancing the contrast, protection against ultra-violet rays, recommended for drivers, construction workers, airport workers. For low light environments.

Weight: 54 g.

GOST R 12.4.230.1-2007, EN 166-168, 170





6.056

Spectacles "Super G" (9172086)

Design: open model with panoramic vision. Lenses are inclined forward for providing optimum ventilation and comfort. Ultra light. Metal-free.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure. Optical class 1.

Lens coating: Optidur NC providing scratch-resistance on both sides.

Lens tint: grey lens protects against bright light, provides good vision of the signal lights.

Weight: only 18 q!

GOST R 12.4.230.1-2007, EN 166-168, 170





PERSONAL PROTECTIVE

uvex



6.044

Spectacles "X Trend" (9177085)

Design: open model with panoramic vision. The frame is made of ultra light, high-technology polymers and has maximum flexibility.

Protective properties: polycarbonate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure. Optical class 1.

Lens coating: Ultradura coating, providing scratch-resistance on both sides.

Lens tint: clear. Weight: 30 q.

GOST R 12.4.230.1-2007, EN 166-168, 170





6.058

Spectacles "X Trend" (9177281)

Design: open model with panoramic vision. The frame is made of ultra light, high-technology polymers and has maximum flexibility.

Protective properties: polycarbonate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure. Optical class 1.

Lens coating: Supravision HC-AF providing scratchresistance outside and anti-fogging inside.

Lens tint: grey lens protects against bright light, provides good vision of the signal lights.

Weight: 30 a.

GOST R 12.4.230.1-2007, EN 166-168, 170





6.316 Spectacles "Classic" (9305514)

Design: closed, vided by 180° panorama lens, indirect ventilation. Adjustable rubber headband. Can be worn over corrective eyeglasses.

Protective properties: acetate lens, protection against particles flying at 45 m/s speed and UV radiation, prolonged chemical exposure (acids and alkalis, petroleum products). Optical class 1.

Lens coating: Antifog, providing scratch-resistance outside and anti-fogging inside.

Lens tint: clear. Weight: 107 a.

GOST R 12.4.230.1-2007, EN 166-168, 170





6.097

Safety goggles "Ultrasonic" (9302285)

Design: closed, indirect ventilation. Wide adjustable rubber headband. Can be worn over corrective eyeglasses. The seal material is silicone retaining its properties at temperatures from - 50°C up to +60°C.

Protective properties: lens made of durable polycarbonate, provides protection against hard particles flying at 120 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: Supravision HC-AF providing scratch-resistance outside and anti-fogging inside.

Lens tint: clear.

Weight: ultra light – 117 g.

GOST R 12.4.230.1-2007, EN 166-168, 170







6.517 Goggles for welding "Visitor" (9162046)

Design: open model with side shields. Adjustable temple length and lens inclination. UVEX duoflex soft pads on temple ends for comfortable wear. Can be worn over corrective eyealasses.

Protective properties: highstrength polycarbonate lens, protection against UV and IR radiation, hot metal sparks, splashes of molten metal, protection against particles (front and side) flying at 45 m/s speed, chemical exposure.

Optical class 1.

Lens coating: Infradur Plus coating, scratch-resistant, protects against weld spatter.

Lens tint: green. Lens shade: 6 (G3). Weight: 54 g. GOST R 12.4.230.1-2007 EN 166-168, 170





6.516

Goggles for welding "Visitor" (9162045) Lens shade: 5 (G2). GOST R 12.4.230.1-2007 EN 166-168, 170









6.089 Welding goggles "Amigo" (9350035)

Design: closed, indirect ventilation. Inner acetate lens Wide adjustable rubber headband. Wide elastic band is easily regulated according to the head's size. Can be worn over corrective eyeglasses.

Protective properties: acetate lens in combination with flip-up glass filter provides protection against splashes of molten metal (obturator and band are metal sparks resistant) protection against particles flying at 45 m/s speed, IR and UV radiation, chemical exposure.

Optical class 1.

Lens tint: clear. Lens shade: 5 (G2).

Weight: 156 g.

GOST R 12.4.230.1-2007, EN 166-168, 170





Filter for Welding goggles "Amigo" (9140065)

Material: glass. Lens tint: green. Lens shade: 5 (G2).

9.202

Disposable lens for Welding goggles "Amigo" (9350050)

Material: acetate. Lens tint: clear.



6.078

Welding goggles "Ultravision" (9301245)

Design: closed, vided by 180° panorama lens, indirect ventilation. Fire-resistant obturator. Elastic band is easily regulated according to the head's size. Can be worn over corrective eyeglasses. Maximum resistance to mechanical effects in combination with 9301.317

Protective properties: high-strength polycarbonate antifogging lens, protection against articles flying at 120 m/s speed and scratches, protection against UV and IR radiation, glare, chemical exposure. Optical class 1.

Lens coating: Infradur PLUS and Supravision HC-AF coatings provide protection against weld spatter, scratch-resistant outside and anti-fog inside.

Lens tint: green. Lens shade: 5 (G2).

Weight: 142 q.

GOST R 12.4.230.1-2007, EN 166-168, 170







6.077

Goggles "Ultravision", chemical resistant (9301714)

Design: closed, vided by 180° panorama lens, indirect ventilation. Ultra light. Adjustable rubber headband. Can be worn over corrective eyeglasses. Maximum resistance to mechanical effects in combination with 9301317(6.079) visor.

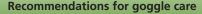
Protective properties: high-strength acetate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure (acids and alkalis, petroleum products). Optical class 1.

Lens coating: Antifog, fog-resistant.

Lens tint: clear. Weight: 126 g.

GOST R 12.4.230.1-2007, EN 166-168, 170





Do not wash goggles with soap solution. Avoid dry cleaning.

Lenses should be cleaned under cold running water or with the help of special lens cleaning station or with UVEX wet cleaning tissues.





6.093 Goggles "Ultravision", fire-proof (9301603)

Design: closed, vided by 180° panorama lens. Ventilation-free and therefore fully tight. Extra fire-proof frame and adjustable rubber headband. Can be worn over corrective eyeglasses. Maximum resistance to mechanical effects in combination with 9301317 (6.079) visor.

Protective properties: lens made of durable polycarbonate, provides protection against hard particles flying at 120 m/s speed. UV radiation, splashes of molten metal, chemical exposure.

Designed for extreme conditions: hot shops, hostile smoke-filled, dust-filled, gas-filled environments. Optical class 1.

Lens coating: Supravision HC-AF providing scratch-resistance outside and anti-fogging inside. Lens tint: clear.

Weight: 145 g. GOST R 12.4.230.1-2007, EN 166-168, 170

models.



6.079 Face shield for "Ultravision" safety glasses (9301317)

Design: Safe fastening to safety glasses. **Protective properties:** shield made of polycarbonate, provides protection against hard particles flying at 120 m/s speed. Compatible with all Ultravision Series

GOST R 12.4.230.1-2007, EN 166-168, 170



6.515

Goggles "Ultravision" (9301105)

Design: closed, panorama lens, indirect ventilation. Adjustable rubber headband. Can be worn over corrective eyeglasses. Maximum resistance to mechanical effects in combination with 9301317 (6.079) visor.

Protective properties: lens made of durable polycarbonate, provides protection against hard particles flying at 120 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: Supravision HC-AF providing scratch-resistance outside and anti-fogging inside.

Lens tint: clear. Weiaht: 131 g.

GOST R 12.4.230.1-2007, EN 166-168, 170

6.512





Tear-off film ex-

6.094

Goggles "Ultravision" (9301813)

Design: closed, panorama lens, indirect ventilation. Adjustable rubber headband. Can be worn over corrective eveglasses. Tear-off film **9301316 (6.095)** provides additional lens protection and extends goggles service

Protective properties: lens made of durable polycarbonate, provides protection against hard particles flying at 120 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: Supravision HC-AF providing scratch-resistance outside and anti-fogging inside.

Lens tint: clear. Weight: 142 g.

GOST R 12.4.230.1-2007



6.095

Tear-off film (9301316) for safety glasses "Ultravision" (9301813)

The film is designed to maximize the wear life of the inner lens, provides additional lens protection.

Weight: 2 q.

GOST R 12.4.230.1-2007, EN 166-168, 170



6.285

Case with inside tissue for spectacles (9954349)

Microfazer case with inner surface used for dry cleaning of lenses.

6.520

Case with inside tissue for goggles (9954359)

Microfazer case with inner surface used for dry cleaning of lenses.



6.090

Case for UVEX spectacles (9954500)

Spectacles case with lens pocket, to be worn on the belt.



Eye protective wear

3M

3MTM eye wear is lightweight and provides high comfort level for the user alongside with safe protection against particles flying at high speed (optical quality class 1, which means distortion-free throughout the entire field of vision).

Eye wear collection is represented by the following lines: "Classic", "Classic modern", "Premium".

Lens tints

Clear lenses:

• protect against UV radiation, blocking harmful UV rays

Application: grinding, turning, assembly and mechanical works

Smoke lenses:

- protect against UV radiation, blocking harmful UV rays
- provide good visibility of warning lights and protection against sun glare
- have anti-reflection effect

Application: assembly and mechanical works

Yellow lenses:

- Increase contrast
- protect against UV radiation

Application: for drivers, builders, aeroport staff etc. Reccomended for poor visibility conditions

All spectacles comply with the European standard EN 166-2001

"Classic" Line Spectacles

extremely light and comfortable spectacles providing good vision and protection against flying particles



6.501

Safety spectacles "Classic" (2720)

Design: open model. Slim nose bridge and flat temples for improved compatibility with other PPE. **Protective properties:** high-strength polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, hot metal sparks, splashes of molten metal, chemical exposure. Optical class 1. **Lens coating:** Special coating protects the lenses aga-

inst scratches and fogging. **Lens tint:** clear. **Weight:** 24 a.

GOST R 12.4.230.1-2007, EN 166-2001



Safety spectacles "Classic" (2721)

Lens tint: smoke. Smoke lenses protect against UV radiation, sun glare. Provide good visibility of warning lights

Weight: 24 g.

GOST R 12.4.230.1-2007, EN 166-2001



Safety spectacles "Classic" (2722)

Lens tint: yellow. Yellow lenses protect against UV radiation, increase contrast.

Weight: 24 q.

GOST R 12.4.230.1-2007, EN 166-2001

"Classic modern" Line Spectacles

extremely light and comfortable spectacles with high level of comfort and protection, with lens adjustment for higher safety and comfort



6.535

Safety spectacles "Classic modern" (2820)

Design: open model. Soft flexible temples. Reinforced side protection. Wide field of vision.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, chemical exposure. Optical class1. **Lens coating:** special coating protects the lenses aga-

inst scratches and fogging. **Lens tint:** clear.

Weight: 22 g.

GOST R 12.4.230.1-2007, EN 166-2001



Safety spectacles "Classic modern" (2821)

Lens tint: smoke. Smoke lenses protect against UV radiation, sun glare. Provide good visibility of warning lights.

Weight: 22 g.

GOST R 12.4.230.1-2007, EN 166-2001



6.536

Safety spectacles "Classic modern" (2822)

Lens tint: yellow. Yellow lenses protect against UV radiation, increase contrast.

Weight: 22 q.

GOST R 12.4.230.1-2007, EN 166-2001

"Premium" Line Spectacles

modern sporty design, safe adjustment to individual requirements



6.508

Safety spectacles "Premium" (2750)

Design: open model. Adjustable temple length offers 5 positions to suit the individual. Soft vented nose bridge.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, chemical exposure.

Optical class 1.

Lens coating: Special coating protects the lenses against scratches and fogging.

Lens tint: clear. Weight: 32 a.

GOST R 12.4.230.1-2007, EN 166-2001



6.509

Safety spectacles "Premium" (2751)

Lens tint: smoke. Smoke lenses protect against UV radiation, sun glare. Provide good visibility of warning lights.

Weight: 32 g.

GOST R 12.4.230.1-2007, EN 166-2001



6.224 Spectacles "LED light vision"

(11356-00000M)

Design: open model. Safety spectacle equipped with 2 adjustable ultra-bright LED with long battery life (over 50 hours). Ultra bright white light will allow you to light a dark zone.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: DX coating to resist scratching and fog-

Lens tint: clear. Weight: 36 a.

GOST R 12.4.230.1-2007



6.460

Spectacles "QX2000" (04-1022-0140N)

Design: open model. Wide field of vision. Anti-slip nose bridge inserts. Adjustable temples, rotating tem-

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: anti-static DX coating to resist scratching and fogging.

Lens tint: clear. Weight: 36 q.

GOST R 12.4.230.1-2007 6.461

6.461 Spectacles "OX2000" (04-1022-0146N)

Lens tint: vellow. GOST R 12.4.230.1-2007



9.985

Comfort spectacles "Maxim" (13225-(M00000)

Design: open model. Dual-injected cushion brow guard for extra comfort and shock absorption. Ventilation channel across the lens to minimize misting. Soft, universal-fit nose bridge. Adjustable lock-in temple and patented 3 positions pantoscopic lens adjustment. **Protective properties:** high-strength polycarbonate

lens for 180° of pure vision and superior eve protection. Protection against particles (side and front) flying at 45 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: anti-static DX coating to resist scratching and fogging.

Lens tint: clear. Weight: 29 q.

GOST R 12.4.230.1-2007



6.463

Spectacles "Maxim" (13226-00000M) Lens tint: bronze. GOST R 12.4.230.1-2007

6.464

Spectacles "Maxim" (13228-00000M) Lens tint: vellow. GOST R 12.4.230.1-2007

6.465

Spectacles "Maxim" (13227-00000M) Lens tint: mirrow.



Spectacles "OX2000" (17-5118-2040M)

Design: open model. Offer a perfect fit over any kind of prescription glasses. Adjustable temples, rotating temple tips and patented 3 positions pantoscopic lens adjustment.

Protective properties: No metal parts (perfect for electricians). High-strength polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: anti-static DX coating to resist scratching and fogging.

Lens tint: clear. Weight: 56 q.

GOST R 12.4.230.1-2007



6.457

Helmet integrated spectacles "V6E"

Design: open safety glasses with spherical lens shape. which are aimed to be used together with safety helmets **G3000** and **G2000**. The unique design allows the glasses to slide easily between the helmet shell and lining. They feature several flexible joints to allow for individual adjustment.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens tint: clear. Weight: 20 a.

GOST R 12.4.230.1-2007



6.379

Helmet integrated spectacles "V6B" Lens tint: grey. GOST R 12.4.230.1-2007



6.474

Helmet integrated spectacles "V6C" Lens tint: vellow. GOST R 12.4.230.1-2007



6.458

Spectacles "QX1000" (04-1021-0140M)

Design: open model. Adjustable temples, rotating temple tips and patented 3 positions pantoscopic lens adjustment.

Protective properties: high-strength polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: anti-static DX coating to resist scratching and fogging.

Lens tint: clear. Weight: 36 q.

GOST R 12.4.230.1-2007



EQUIPMENT

PERSONAL PROTECTIVE



6.468

Spectacles "Metaliks" (71460-00001M)

Design: open model. Hypoallergenic polished metal frame with saddle type nosepiece. Adjustable in height for perfect fitting. Soft adjustable nose pads to custom fit virtually all shapes and sizes.

Protective properties: Sleek 10-base de-centered twin lens made of durable polycarbonate provides protection against particles flying at 45 m/s speed, UV radiation. Optical class 1.

Lens coating: DX coating to resist scratching, fogging, chemical exposure.

Lens tint: clear. Weight: 40 a.

GOST R 12.4.230.1-2007, EN 166



6.475

Goggles "Fahrenheit" (71360-00001M)

Design: closed, indirect ventilation. Lens made of durable polycarbonate. Soft PVC crystal frame. Wide adiustable nylon strap. Can be worn over corrective eyeglasses. The seal made of silicone. Could be used with tear-off film 6.480 which is used to extend goggles service life.

Protective properties: lens made of durable polycarbonate, provides protection against hard particles flying at 120 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: DX coating to resist scratching and fogaina.

Lens tint: clear. Weight: 115 a.

GOST R 12.4.230.1-2007, EN 166



Acetate lens - protection against chemical exposure

6.477

Goggles "Fahrenheit" (71360-00005M)

Design: closed, non-vented model. Soft PVC crystal frame. Wide adjustable neoprene strap. Can be worn over prescription eyeglasses. The seal made of silicone. Could be used with tear-off film 6.480 which is used to extend goggles service life.

Protective properties: high-strength acetate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical exposure (acids and alkalis, petroleum products). Optical class 1.

Lens coating: Hardium+ coating to resist scratching and fogging on both sides.

Lens tint: clear. Weight: 115 a.

GOST R 12.4.230.1-2007, EN 166



6.641 6.642



6.641

Safety Goggles "Premium" (2890)

Design: closed, indirect ventilation. Lens made of durable polycarbonate. Can be worn over prescription eyeglasses. Can be used in combination with respiratory protection by 3M.

Protective properties: lens made of durable polycarbonate, provides protection against hard particles flying at 120 m/s speed, UV radiation. Optical class 1.

Lens coating: AS/AF coating to resist scratching and foaaina.

Lens tint: clear. Weight: 99 a.

GOST R 12.4.230.1-2007, EN 166



6.473

Goggle "Modul-R" (71361-00001M)

Design: very lightweight low profile goggle with indirect ventilation, thermoplastic elastomer body, ensuring softness at high and low temperatures. Head strap is adjustable and thanks to a pivoting clip system the wearer can position the goggle on a helmet. Can be worn over prescription evealasses. Compatible with

Protective properties: lens made of durable polycarbonate has a highly curved form, provides protection against hard particles flying at 120 m/s speed, UV radiation, chemical exposure. Optical class 1.

Lens coating: DX coating to resist scratching and fogging on both sides.

Lens tint: clear. Weight: 130 g.

GOST R 12.4.230.1-2007, EN 166



Half Visor "Modul-R" (71361-00003M)

Design: polycarbonate Half-Visor with adjustable ventilation system (closed or open position). Very easy strap clip attachment system. For use with "Modul-R" goggle 6.473. Protective properties: offers pro-

tection against impact, painting, dust and chemical splashes, hard particles flying at 120 m/s speed.

GOST R 12.4.230.1-2007, EN 166

6.642

6.483

Safety Goggles "Premium" (2890A)

Design: closed, indirect ventilation. Acetate lens for chemical protection. Can be worn over prescription eveglasses. Can be used in combination with respiratory protection by 3M.

Protective properties: Acetate lens for chemical protection from splashes of chemical liquids (acids, alkalis, petroleum products), protection against hard particles flying at 45 m/s speed, UV radiation. Optical class1.

Lens coating: AF coating to resist fogging.

Lens tint: clear. Weight: 99 q.

GOST R 12.4.230.1-2007, EN 166



6.469

Spectacles "Metaliks" (71460-00002M)

Lens tint: grev.

GOST R 12.4.230.1-2007, EN 166



6.431

Spectacles "Visitor" (71448-00001M)

Design: open model with side shields can be worn over prescription spectacles.

Protective properties: High-strength polycarbonate lens, protection against particles flying at 45 m/s speed. UV radiation, chemical exposure. Optical class 1.

Lens coating: DX coating to resist scratching and fogaina on both sides.

Lens tint: clear. Weight: 56 q.

GOST R 12.4.230.1-2007, EN 166



Eye protective wear







6.085

Spectacles "Citylux" (60513), dark

Design: open model. Adjustable temple length, nonslip nose bridge.

Protective properties: polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, glare. Anti-scratch lens coating. Operating temperature range: from –5°C up to +55°C. Optical class 1. **Lens tint:** black.

GOST R 12.4.230.1-2007 EN 166





6.084

Spectacles "Ecolux" (60360)

Design: open model with side shields. Adjustable temple length.

Protective properties: polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation. Optical class 1.

Lens tint: clear. GOST R 12.4.230.1-2007 EN 166



$\boxed{6.073}$



6.073

Spectacles "Ecolux" (60363)

Design: open model with side shields. Adjustable temple length.

Protective properties: polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation, glare. Optical class 1.

Lens tint: grey. GOST R 12.4.230.1-2007 EN 166



6.072

Spectacles "Visilux" (60401)

Design: open model with side shields. Adjustable temple length. Can be worn over prescription eyeglasses.

Protective properties: polycarbonate lens, protection against particles flying at 45 m/s speed, UV radiation. Optical class 1.

Lens tint: clear. GOST R 12.4.230.1-2007 EN 166





6.303

Goggles "Chimilux" (60600)

Design: closed, vided by 180° panorama lens, indirect ventilation. Soft PVC frame. Adjustable rubber headband. 4 ventilation holes with protection against dust and liquid chemicals.

Can be worn over prescription eyeglasses.

Protective properties: polycarbonate lens provides protection against hard particles flying at 120 m/s speed, UV radiation, dust, liquid chemicals.

Optical class 1. Lens coating to resist fogging.

Lens tint: clear.

GOST R 12.4.230.1-2007 EN 166







6.071

Goggles "Monolux" (60590)

Design: closed, vided by 180° panorama lens, direct ventilation through side vent holes. Soft PVC frame. Adjustable rubber headband. Can be worn over prescription eyeglasses.

Protective properties: acetate lens provides protection against particles flying at 120 m/s speed, UV radiation. Optical class 1.

Lens tint: clear.

GOST R 12.4.230.1-2007 EN 166









6.306

Goggles "Kemilux" (60601)

Design: closed, vided by 180° panorama lens, indirect ventilation. Adjustable rubber headband. 3 ventilation holes with protection against dust and liquid chemicals. Can be worn over prescription eyeglasses. Modern design. Comfortable to wear.

Protective properties: polycarbonate lens provides protection against hard particles flying at 120 m/s speed, UV radiation, chemical exposure.

Optical class 1. Lens coating to resist scratching and

fogging. Lens tint: clear. GOST R 12.4.230.1-2007 EN 166



6.083

Welding goggles "Revlux" (60821)

Design: closed model, indirect ventilation. Protective properties: made of flame-retardant plastic. Shaded polycarbonate lens provides protection against dangerous welding radiation, hard particles flying at 120 m/s speed. Optical class 1.

Lens tint: flip front lens – green, lens shade 5 (G2); inside lens – clear, made of polycarbonate.

GOST R 12.4.230.1-2007 EN 166



6.091

Lens (63005) for welding goggles "Revlux" (60821)

Lens tint: green, lens shade 5 (G2), 50 mm in diameter.







Welder's visor NN10 (C3-C8) PREMIER Favori®T

6.372 NN10-C-3 (9) PREMIER Favori®T (51363)

6.328 NN10-C-4 (10) PREMIER Favori®T (51364)

6.324 NN10-C-5 (11) PREMIER Favori®T (51365)

6.374 NN10-C-6 (12) PREMIER Favori®T (51366)

6.395 NN10-C-7 (13) PREMIER Favori®T (51367)

6.904 NN10-C-8 (14) PREMIER Favori®T (51368) Construction: Favori®T body made of Termotrek® material.

Ergonomic design. Viewing area – 110x90 mm. Side channels for removal of smoke. Filter, cover glass, and glass plate fastening system is unique in its simplicity and reliability. Streamlined shape. RAPID headband with smooth size adjustment. **Protective properties:** visor is recommended for eye and face protection against splashes of molten metal, hot sparks, arc radiation. For assembly, building and fitting works with electric welding in high and low temperatures conditions.

Application temperature conditions:

from -40°C up to +80°C. **Weight:** not more than 360 g.

GOST R 12.4.238-2007



7.524 Glass plate to welder's visor NN10 PREMIER Favori®T (00230)

Polycarbonate 1 mm. **Size:** 110×90.



Changeable glass plate to welder's visor NN10
PREMIER Favori®T

6.941 Dark shade: C-3 (9) (00263)

6.942 Dark shade: C-4 (10) (00264)

6.943 Dark shade:

C-5 (11) (00265) **6.944** Dark shade:

C-6 (12) (00266) **6.945** Dark shade:
C-7 (13) (00267)

6.946 Dark shade: C-8 (14) (00268)

Silicate glass. **Size:** 110×90.



Welder's visor NN7 (C3-C8) PREMIER Favori®T 2

6.042 NN7-C-3 (9) PREMIER Favori®T 2 (50763)

6.918 NN7-C-4 (10) PREMIER Favori®T 2 (50764)

6.931 NN7-C-5 (11) PREMIER Favori®T 2 (50765)

6.330 NN7-C-6 (12) PREMIER Favori®T 2 (50766)

6.363 NN7-C-7 (13) PREMIER Favori®T 2 (50767)

6.932 NN7-C-8 (14) PREMIER Favori®T 2 (50768)

Construction: Body made of Termotrek® CE material, resistant to burnout, low and high temperatures. 110x90 mm clear visor, inner protective plastic plate. RAPID headband with smooth size adjustment.

Protective properties: provide reliable protection against splashes of molten metal, hot sparks, arc radiation.

Application temperature conditions:

from -40°C up to +80°C. **Weight:** not more than 380 g. **GOST R 12.4.238-2007**

RAPID headband with smooth size adjustment

POCOM3®



6.223

Welder's visor NN12 CRYSTALINE UNIVER-SAL (51705) with variable shade adjustment

Nylon body, resistant to burnout, low temperatures and impacts. Designed specially for professional welders and intended for all welding processes, even for heavy-duty welding.

- Viewing area 110×90×5 mm.
- Variable shade adjustment DIN9 DIN13, Light state DIN4.
- Switching time 0,0001 sec.
- Clearing time 0,25 sec.
- Manually adjusted darkening.
- Automatic sensitivity adjustment.
- Solar battery, Li-ion accumulator.

Application temperature conditions:

from -10°C up to +70°C.

Weight: 500 g. GOST R 12.4.238-2007

EN175 EN166

POCOM3®



6.062 Visor "NBT 2 Vision® Titan" with chin cover (424391)

2 mm thick, transparent polycarbonate shield for face and eye protection against mechanical damages at work. Chin cover provides extra protection of neck and upper breast against high temperatures.

- Adjustable lens inclination enables comfortable fit.

 Adjustable handless describes a service to a servi
- Adjustable headband enables easy fastening on the head.
- Convenient to use with most eye wear and respirators.
- Polycarbonate lens provides full face protection against particles (energy up to 15 J).
- Optical quality class 1.
- Temperature range: -50°C +100°C.

Recommended for head, eye and face protection (from the front, from above, from both sides) against hard particles, sparks and non-corrosive liquid splash. For working at blast, steel-making and other industrial furnaces. For protection against high temperature, ferrous and non-ferrous metal spray, abrasives, chips, fragments and other hard particles of high energy.

GOST 12.4.023-84 GOST R 12.4.230.1-2007 EN 166 TU 9442-043-36438019-2007



6.343

Visor NBT1 Vision® (413130)

Construction: 1 mm thick, optically transparent heatresistant polycarbonate shield, STANDART headband, peak, made of heat-resistant plastic.

Protective properties: provides full face protection against particles (energy up to 5,9 J); reduces thermal radiation intensity by 25%.

GOST R 12.4.230.1-2007 TU 9442-043-36438019-2007



Helmet visor "KBT ENERGO" (04207) with carrier for mounting to helmet
See page 200.



Helmet visor "KBT Vision TITAN" (04390) with carrier for mounting to helmet See page 200.



6.043 Helmet visor (9722514) See page 202.



6.414 6.414

6.414
Helmet visor "KS Stal" with carrier for mounting to helmet (04406)
See page 199.



6.882 Helmet visor V4H, polycarbonateSee page 197.



6.881 Helmet visor V4D, acetateSee page 197.



See page 202.



In accordance with the legislation of the Russian Federation, employers must provide hearing protection to all workers exposed to noise over 80 dB.

Hearing protectors can be divided into two groups:

Ear plugs

- Disposable
- Reusable

Ear muffs:

- Passive earmuffs
- Active earmuffs
- Headsets
- Communication ear muffs

SNR (Standard Noise Reduction) is a general means of comparing different ear muffs. The figures associated with H, M, L indicate the level of protection within the range of High, Medium or Low frequency noise. SNR figure is provided by the hearing protection manufactures.



Instructions for Using Earplugs



1. Roll the earplug into a tight cylinder



2. Lift the top of your ear to open the canal.



3. Insert earplug into the open canal. Hold earplug in place until the form expands.



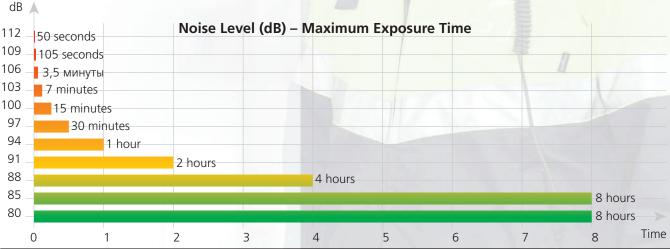
Test the fit

In a noisy environment, and with ear plugs inserted, cup both hands over your ears and release. You should not notice a significant difference in the noise level.

When choosing earplugs it is important to consider:

- The level of noise reduction (avoid over-protection);
- Aspects of the workplace environment (level of pollution, humidity);
- Work specifics: frequent change of work environment (noise / silence), work in the food industry.

Remember! Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or incurable hearing damage!



Disposable earplugs



6.101 Earplugs, uncorded 1100 – 3M™

It features a noise reduction rating of 37 dB.

Made of soft hypoallergenic polyurethane foam, take shape after ear channel.

Recommended for protection against repeated exposure to noise superior to 80 dB.

GOST R 12.4.209-99

6.102

Earplugs, corded 1110 – 3M™

It features a noise reduction rating of 37 dB. GOST R 12.4.209-99



6.109 Earplugs, uncorded 1120 – 3M™

It features a noise reduction rating of 34 dB.

Made of polyurethane foam. Take shape after ear

channel. Spherical shape provides extra comfort. **GOST R 12.4.209-99**

6.110

Earplugs, corded 1130 – 3M™ GOST R 12.4.209-99



6.103 Earplugs with headband 1310 – 3M™

It features a noise reduction rating of 26 dB.

Flexible headband of new design provides optimum fit and comfort. Soft replaceable earplugs. Recommended for protection against repeated exposure to noise superior to 80 dB.

GOST R 12.4.209-99

6.104

Replaceable earplugs for model 1310 (6.103) GOST R 12.4.209-99

6.163 Earplugs "Hi-com" UVEX (2112101), corded, in individual package

It features a noise reduction rating of 24 dB.

Disposable earplugs made of polyurethane foam. The surface area of the uvex hi-com includes an increased number of indentations which improves it's absorbency and creates a softer acoustic profile. Acoustically softer and therefore a more absorbent surface facing the eardrum. Ribbed surface provides comfort. Earplugs provide secure fit in any size ear canal.

Color: signal lime. GOST R 12.4.209-99

6.153

Earplugs "Hi-com" Uvex (2112100), uncorded, in individual package

Never reuse disposable ear plugs!

Reusable ear plugs



6.107 Reusable earplugs in individual package 1261 – $3 \mbox{M}^{\mbox{\tiny TM}}$

It features a noise reduction rating of 25 dB. Finger grip design reduces contact of hands with earplugs preventing bacterial pollution of earplugs and, consequently, organ of hearing.

One pack: 1 pair. GOST R 12.4.209-99



0.100 Reusable corded earplugs in individual package 1271 – 3M™

It features a noise reduction rating of 25 dB. It features special recessions for fingers enabling the user to easily put in and remove the earplugs. Finger grip design reduces contact of hands with earplugs preventing bacterial pollution of earplugs and, consequently, organ of hearing. Equipped with polyester fiber cord preventing earplug loss at fall-out. GOST R 12.4.209-99

Reusable ear plugs should be cleaned in soapy water after each use



6.177 Reusable corded earplugs UVEX "Whisper" (2111202) in individual package It features a noise reduction rating of 23 dB.

Covered by a special anti-dirt coating that prevents infection of the ear canal. Washable.

Easy to store when not in use and an individual carrying case promotes good hygiene. Case can be worn attached to a belt.

Color: orange. GOST R 12.4.209-99



Ear plug dispensers



6.857

"One touch" dispenser (PD-01-000) Peltor

Provides convenient storage of earplugs in the workplace. Unobstructed access from front or either side permits one hand operation by a clockwise or anticlockwise motion.

Refill bottles with disposable earplugs "Ear soft" (6.924) and "Classic" (6.923) 500 plugs in a pack could be ordered separately.

Available on request

6.924

Refill bottle (PD-01-002) with disposable earplugs "Ear soft" for One touch Peltor dispenser

500 plugs made of polyurethane foam in a bottle. SNR 36 dB. GOST R 12.4.209-99

Available on request

6.923

Refill bottle (PD-01-001) with disposable earplugs "Classic" for One touch Peltor dispenser

500 plugs made of polyurethane foam in a bottle. SNR 28 dB. GOST R 12.4.209-99

Available on request





New



9.966 New



5.889

Disposable ear plugs UVEX "X-fit" (2112022) for dispenser.

It features a noise reduction rating of 37 dB.

The ergonomically shaped uvex X-fit disposable earplug is characterized by very high sound absorption levels, making it suitable for use in very loud environments. The UVEX X-fit foam earplug has a sealed surface, preventing foreign bodies from penetrating the plug. The soft foam offers real comfort, even when worn for extended periods. The X emboss in the end of the plug makes it easy to remove while simultaneously reducing the pressure on the outer wall of the ear canal.

Available in bright, highly visible color.

Pack of 300 Pairs. GOST R 12.4.209-99 Available on request

9.966

Disposable ear plugs UVEX "Hi-com" (2112118) for dispenser It features a noise reduction rating of 24 dB.

The highly innovative shape of the uvex hicom reduces the level of sound that can build up in the inner ear when wearing hearing protection. The innovative channel and cavity design increases the surface area and absorption. The earplug delivers softer acoustics and absorbs noise interference, making it possible to hear speech and warning sounds clearly. The soft earplug can be made to fit comfortably, even in narrower auditory canals, simply by rolling it gently.

Pack of 300 Pairs. GOST R 12.4.209-99 Available on request

7.523 UVEX "X-fit", "Hi-com" Dispenser (2112000)

Easy-to-use, made of transparent plastic, robust desktop or wall-mounted dispenser. Easy installation and a controlled release mechanism which ensures the correct number of plugs are dispensed. The transparent design makes it easy to monitor the number of earplugs remaining. Installed at a convenient location, the dispenser has sufficient capacity to supply large production areas with hearing protection.

1 Dispenser for 400 pairs of earplugs"X-fit"(5.889) or "Hi-com" (9.966).

Available on request

The use of earplug dispensers improves hygiene and reduces the amount of waste in the enterprises



Peltor Hearing Protection Devices



"Technoavia" is an official distributor for 3M products in the territory of Russia. We offer hearing protection devices made by Swedish company Peltor® which is a part of the international 3M group.

Peltor is a world leader in the field of communication equipment and hearing protection de-

Large selection of earmuffs and a variety of headband attachments to them will allow you to select hearing protectors for any conditions.

All the hearing protectors combine light weight, wide range of noise control efficiency and small volume for maximum comfort.

Hold-down pressure of 11,5 N provides, apart from optimum antinoise effect, comfort in wear during a long period of time.

This section presents five main types of ear protectors

Passive earmuffs



Earmuffs consist of rigid cups with soft plastic cushions that seal around the ears to reduce noise. This group includes the following products: Optime I, Optime II, Optime III.

Active Hearing Protectors

Earmuffs with built in active microphone. Provide protection against harmful noise and at the same time allow the user to hear soft ambient sounds (human speech), reinforcing them. This group includes the following products: Optime PTL, SportTac, Protac II, Tactical XP, and Alert AM/FM.

Headsets

This is a separate line of communication earmuffs. Hearing protectors with telephone head sets, in addition to excellent noise control efficiency, have unique acoustic properties creating good possibilities for voice communication even under extreme noise conditions. This group includes the following products: Headset and Ground Mechanics, Tactical XP J11 in combination with adapters (FL).



Communication ear muffs

This is a range of products with a communication radio built into the shell providing effective and effortless short-range two-way communication and hearing protection. This group includes the following products: Litecom Basic, Lite-



Communication ear muffs for hazardous conditions

This is a range of products designed and certified for use in extreme conditions. This group has been tested in harsh operating conditions, where it is necessary to eliminate the formation of electrostatic charges and to ensure explosion protection. The group includes the following items: Headset Atex, Tactical XP Atex.





0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 dB(A Threshold of hearing Pain Threshold

Daily exposure causes slight hearing loss learing protectors suggested Daily exposure causes moderate to severe loss Hearing protectors required

Brief exposure can cause permanent loss Short exposure causes moderate to severe loss Wear hearing protectors with extra care

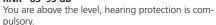
Noise Reduction



RNR* < 80 dB

You do not have to wear hearing protection.







RNR* 87-98 dB

You are above the level, hearing protection is compulsory. Ideal for high frequency noise.



RNR* 94-105 dB

You are above the level, hearing protection is compulsory. Ideal for high and medium frequency noise.



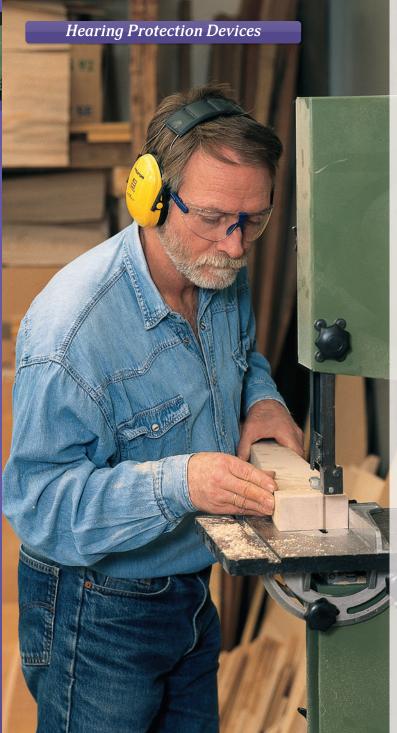
RNR* 95-110 dB

You are above the level, hearing protection is compulsory. Ideal for all frequencies.

*RNR - Recommended noise rating.







Passive earmuffs

Ear muffs "Optime I"

This model is recommended for hearing protection, first of all, against high frequency noises. It combines a low profile with generous inner depth which makes it easy to combine with other PPE.

Fields of application: sheet-metal shops, weaving mills, construction.

Weight: 180 g. GOST R 12.4.208-99 GOST R 12.4.210-99



6.115
Ear muffs "Optime I" with standard headband (H510A-401-GU)

* SNR=27 H=32 M=24 L=15



PELTOR

6.844
Ear muffs "Optime I" Hi-Viz
with helmet attachments (H510P3E469-GB)

* SNR=26 H=32 M=23 L=15



6.118
Ear muffs "Optime I" with helmet attachments (H510P3E-405-GU)

* SNR=26 H=32 M=23 L=15



6.845
Ear muffs "Optime I" with folding headband (H510F-404-GU)

* SNR=28 H=32 M=25 L=20



6.843 Ear muffs "Optime I" with neckband (H510B-403-GU)

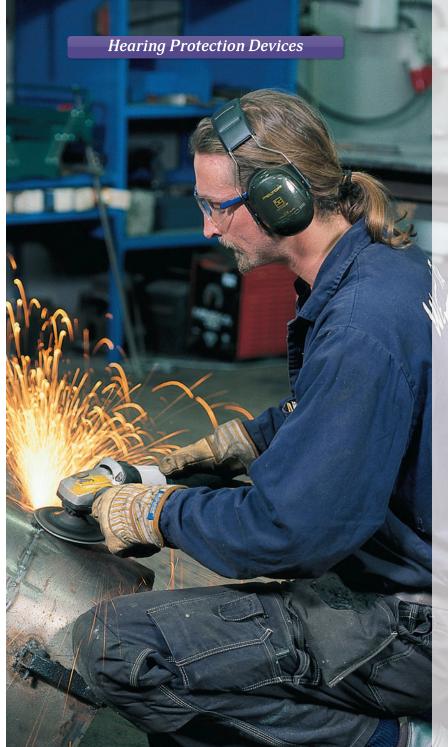
* SNR=26 H=30 M=25 L=15

"Technoavia" technical experts are always ready to help you to select the right hearing protection devices for your business. The list of additional services, offered by our company free of charge, includes measuring noise levels, selecting hearing protection devices appropriate for your environment and further testing of selected models in your working conditions.

You can also test hearing protection devices in a specially equipped "Noise room" located in our central office.



* SNR (Standard Noise Reduction)
High, Medium and Low frequency noise



Passive earmuffs

Ear muffs "Optime II"

Optime II have been developed for demanding noise-hazard environments and muffles even extremely low frequencies to a maximum degree. The sealing rings are filled with a unique combination of liquid and foam. The result is an optimum seal with low contact pressure, which provides snug comfort even during long-time use. Fields of application: woodworking industry, road work, construction, working with handling machinery and pneumatic chippers, concrete production.

Weight: 230 g. GOST R 12.4.208-99 GOST R 12.4.210-99



6.204 Ear muffs "Optime II" with standard headband (H520A-407-GQ)

* SNR=31 H=34 M=29 L=20



PELTOR

6.846 Ear muffs "Optime II" Hi-Viz with standard headband (H520A-472-GB)

* SNR=31 H=34 M=29 L=20



Ear muffs "Optime II" Hi-Viz with folding headband (H520F-460-GB)

* SNR=31 H=34 M=28 L=20

6.849

6.849



6.389 Ear muffs "Optime II" with helmet attachments (H520P3E-410-GQ)

* SNR=30 H=34 M=28 L=19



0.047 Ear muffs "Optime II" Hi-Viz with helmet attachments (H520P3E-467-GB)

SNR=30 H=34 M=28 L=19



Ear muffs "Optim II" with neckband (H520B-408-GQ)

* SNR=31 H=34 M=29 L=20

When you're in a noisy environment, to ensure full protection against noise, wear ear muffs all the time. Remember, that even brief exposure to loud noise without protection can cause hearing damage.



Ear muffs "Optime II" with fold-

ing headband (H520F-409-G)

* SNR=31 H=34 M=28 L=20



Passive earmuffs

PELTOR

Ear muffs"Optime III"

Optime III have been developed for use in extremely noisy environments. The protection is based on a technology with a double casing that minimizes resonance in the holder casing. This results in maximum high-frequency muffling, while at the same time it's still easy to understand speech and signals. An acoustic connection between the inner volume and the volume between the casings in its turn provides maximum lowfrequency muffling. The sealing rings are broad and filled with soft plastic foam. The result is an optimum seal with low contact pressure, which provides snug comfort even during long-time use.

Fields of application: military aerodromes, civil airports, engine rooms of big vessels, mineral resource industry, construction.

Weight: 285 g. GOST R 12.4.208-99 GOST R 12.4.210-99



6.850 Ear muffs "Optime III" with standard headband (H540A-411-SV)

* SNR=35 H=40 M=32 L=23



6.203 Ear muffs "Optime III" with helmet attachments (H540P3E-413-SV)

* SNR=34 H=40 M=32 L=23



6.117 Ear muffs "Optime III" Hi-Viz with standard headband (H540A-461-GB)

* SNR=35 H=40 M=32 L=23



6.851 Ear muffs "Optime III" Hi-Viz with helmet attachments (H540P3E-475-GB)

* SNR=34 H=40 M=32 L=23





6.852 Ear muffs "Optime III" with neckband (H540B-412-SV)

* SNR=35 H=40 M=32 L=23



SNR (Standard Noise Reduction) High, Medium and Low frequency noise



* SNR (Standard Noise Reduction) High, Medium and Low frequency noise

Active Hearing Protectors

Ear muffs Optime PTL

Optime PTL is a transition model between passive antinoise protectors and active protection ear muffs. The right cup has an integrated electronic filter with pushbutton transmitting the sound up to 87 dB. With single button simplicity, one ear cup becomes activated in listening mode for a 30-second interval. To terminate the mode before 30 seconds, simply push the button. The ear muffs enable the user to communicate in noisy environments without lifting soundproof ear cup and



- ----

improves noise protection efficiency.

Operate with 1 AA type battery.

Service life of power supply: 150 hours or 18000 button pushings.

removing ear muffs from the head, which substantially

Weight: 290 g. GOST R 12.4.208-99 GOST R 12.4.210-99



Ear muffs **Optime PTL** with standard headband (MT155H530A)

* SNR=31 H=33 M=29 L=21



Ear muffs Optime PTL with helmet attachments (MT155H530P3E)

* SNR=29 H=30 M=27 L=21

Ear muffs Tactical XP

Ear muffs with a folding headband, built-in telephone headset, and the ability to adjust settings to suit an individual and his/her working conditions. Level dependent function amplifies low sounds and dampens loud noises, allowing you to hear conversations.

Operate with 2 AA batteries, battery life of 1000 hours.

Weight: 400 g. GOST R 12.4.208-99



Ear muffs Tactical XP with folding headband (MT1H7F2)

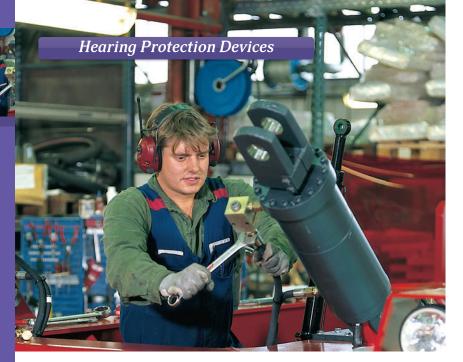
* SNR=31 H=32 M=25 L=20



Ear muffs Tactical XP Flex with folding headband, 31 dB (MT1H7F2-77)
Available on request

* SNR=31 H=32 M=28 L=20





Active Hearing Protectors

Ear muffs SportTac

Ear muffs protect against harmful noise and at the same time allows the user to hear ambient sounds. SportTac employ a unique digital audio circuit which eliminates the unpleasant and disruptive abrupt sound cut-off. It responds smoothly and gently to loud impulsive noises with lightning speed so the cut-off is hardly noticeable. Ambient sound is reproduced or amplified to produce a natural directional feel. Energy-saving automatic switch-off 2 hours after the last contact. An auxiliary audio input for external radio or cell phone.

SportTac earmuffs are developed for hunting and sports shooting.

Operate with 2 AA batteries, battery life of 600 hours.
Weight: 318 g.
GOST R 12.4.208-99
GOST R 12.4.210-99



6.862 Ear muffs **SportTac** with folding headband (MT16H210F-478-RD)

* SNR=26 H=29 M=23 L=16





6.142 Ear muffs **SportTac** with folding headband (MT16H210F-478-GN)

* SNR=26 H=29 M=23 L=16

Alert AM/FM Radio Earmuffs

The Peltor ALERT radio headset combines an AM/FM radio with unique electronic ambient listening capability. Channel setting dial (Frequency range AM 540-1700 kHz, FM 88-108 mHz). Designed for employees who perform monotonous operations in noisy environments and allowed to listen to music/radio/etc. at work. Easy to handle volume control knobs for the radio and active-volume function. The Peltor Alert ambient sound listening ability allows you to listen to your surroundings, even boosting weak sounds to improve your hearing while attenuating loud, harmful noises. Equipped with the following functions: volume for the level dependent function, balance, adjustable release time, equalizer, volume for external input and external input mode.

Operate with 2 AA batteries, battery life of 150 hours. Weight: 400 g. GOST R 12.4.208-99



6.930 WorkStyle Alert AM/FM Radio Earmuffs with standard headband (M2RX7A)

* SNR=32 H=31 M=29 L=24

Ear muffs Protac II

Provide protection against harmful noise and at the same time allows the user to hear soft ambient sounds. Weak sounds are reinforced while loud impact noises are efficiently cut off. Active protection function controls the volume smoothly providing reproduction of pleasing sound and reducing irritation, you can hear ambient sound: conversation, machine sounds and warning signals. Last setting is stored when switched off. Automatic shut-off after two hours if no function is used. Warning signal when power is low, before switch-off. An auxiliary audio input for external radio or cell phone. Fields of application: civil airports and timber industry, road works, construction, work with cargo handling equipment, pneumatic jackhammers, concrete production.

Operate with 2 AA batteries, battery life of 1000 hours.

Weight: 370 g. GOST R 12.4.208-99 GOST R 12.4.210-99



6.147 Ear muffs **Protac II** with standard headband (MT15H7A2 SV) black

* SNR=32 H=31 M=29 L=24



6.406
Ear muffs Protac II with helmet attachments (MT15H7P3E2)

* SNR=31 H=32 M=29 L=23

PERSONAL PROTECTIVE

Communication ear muffs



Standard Headset

Universal headset. High-attenuating shells with optimized acoustic design and excellent space for the ears for the best possible sound quality and comfort. Microphone with effective noise compensation for clear and reliable communication. Quick positioning integrated microphone boom for easy handling. Standard J 11 connection (Nexus TP-120).

Used with adapters FL5010.

Weight: 315 a. GOST R 12.4.208-99



6.384 Ear muffs Headset with standard headband (MT7H79A)

* SNR=33 H=33 M=32 L=24



6.864 Ear muffs Headset with helmet attachments (MT7H79P3E)

* SNR=32 H=33 M=31 L=23

PELTOR

6.387 Radio adapter FL5010

Fits to ICOM IC, Yaesu, Zodiac, Alinco, Alan radios. The adapter has a functional waterproof durable case with no protruding parts, made to fit a palm in size and shape. A sturdy clamp allows 360 degrees turn for easy attachment under any conditions. The push-to-talk switch is logically located, it is specially designed to be easy to use even with heavy gloves. Protection class IP65. Cable length – 1.5 m.

Ground Mechanics headset

Wireless Ground Mechanic Headset allows instant wireless communications between ground mechanic and flight deck. Beam-mounted earphones that provide the least possible resonance and distortion for excellent sound reproduction even in very high noise environments. The headset has a dynamic differential microphone with excellent ambient noise compensation and a built-in microphone amplifier. Fluorescent coating (Hi-Viz) of sealing rings makes them ideal for use in low visibility conditions, provides an additional safety factor.

Used with adapter FL5006GB (Boeing, AirBus). Weight: 400 g.

GOST R 12.4.208-99



Ear muffs Ground Mechanics with standard headband (MT7H79F01GB)

* SNR=33 H=34 M=31 L=23

7.000

Adapter for ear muffs Ground Mechanics FL5006-02 GB

The adapter has a functional waterproof durable case with no protruding parts, made to fit a palm in size and shape. A sturdy clamp allows 360 degrees turn for easy attachment under any conditions. The push-to-talk switch is logically located, it is specially designed to be easy to use even with heavy gloves. Protection class IP65. Cable length - 6 m.

Weight: 150 a.

Tactical XP J11 Headset

Provides protection against harmful noise and at the same time allows the user to hear soft ambient sounds. Weak sounds are reinforced while loud impact noises are efficiently cut off. Automatic shut-off after two hours if no function is used. Last setting is stored when switched off. Built-in equalizer and balance settings allow you to select the optimum scheme of sound reproduction. The selected settings are confirmed by a voice message or tone signal. The handset has a built-in standard J11 connection, to allow connection to external

Operate with 2 AA batteries, battery life of 1000 hours. GOST R 12.4.208-99 GOST R 12.4.210-99



6.146 Ear muffs Tactical XP J11 with standard headband (MT1H7F2-07) Weight: 400 q.

* SNR=31 H=33 M=29 L=21



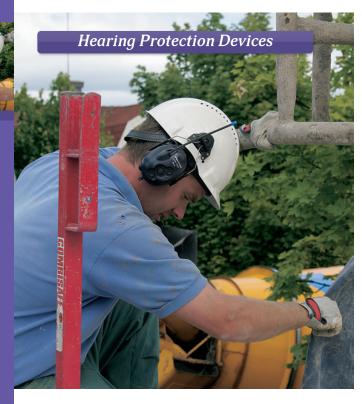
Weight: 150 a.

6.446 Ear muffs Tactical XP J11 with helmet attachments (MT1H7P3-E2-07) Weight: 400 q.

* SNR=30 H=33 M=28 L=20



193



Communication ear muffs with built-in

communication radio

Communication ear muffs with builtin communication radio

The ear muffs are highly effective hearing protectors with integrated communicators enabling the user to contact by radio at short distance in 'hands-free' mode with other radio set users working in the same fre-

Easy to use. All the settings are input with three buttons only. Setting procedure is accompanied by electronic voice system comments enabling the user to make settings without taking the ear muffs off the

Working on 8 channels/38 sub channels in 446 MHz frequency band.

Feature the function of selective tone signaling at receiving and transmitting enabling several users to communicate on one channel.

An auxiliary audio input for external radio or cell

Standard headband or with helmet attachments. Operate with 2 AA batteries, battery life of 60

At highest power, it has a range of up to two kilometers.

Weight: 418 g. GOST R 12.4.208-99



6.308 Ear muffs Lite-Com Basic with standard headband (MT53H7A4400)

* SNR=31 H=32 M=29 L=20





6.858 Ear muffs Lite-Com Basic with helmet attachments (MT53H7P3E4400)

* SNR=30 H=33 M=28 L=20



Ear muffs "Lite-Com III" with a builtin communication radio

The ear muffs are highly effective hearing protectors with integrated communicators enabling the user to contact by radio at short distance in 'hands-free' mode with other radio set users working in the same frequency range. Lite-Com III has a built-in active-volume function that allows the wearer to hear ambient sounds like conversations, machine noises and warning

The right shell has a control panel with a large LCD a display that shows your current settings. Setting procedure is accompanied by electronic voice system comments enabling the user to make settings without taking the ear muffs off the head. Available in two versions: with 8 channels and 38 sub channels in the PMR 446 MHz band or with 69 channels on the LPD 433 MHz band.

Feature the function of selective tone signaling at receiving and transmitting enabling several users to communicate on one channel.

An auxiliary audio input for external radio or cell

At highest power, it has a range of up to two kilometers.

Operate with 2 AA batteries, battery life of 50 hours.

Weight: 436 g. GOST R 12.4.208-99



6.860 Ear muff Lite-Com III with standard headband PMR 446 (MT7H7A440B)

* SNR=31 H=33 M=29 L=21



6.861 Ear muffs Lite-Com III with helmet attachments PMR 446 (MT7H7P3E440B)

* SNR=30 H=31 M=28 L=20

Communication ear muffs for hazardous conditions

PELTOR

ATEX headset

Intrinsically safe, for use in explosive work environments. Headset is designed to ensure clear, reliable communication even in extremely noisy environments, while providing the perfect hearing protection for the situation. Microphone with effective noise compensation for clear and reliable communication. A standard built in spiral stretchy cord with J11 jack for connection to the Peltor FL Atex Adapter.

Weight: 335 g. GOST R 12.4.208-99



0.938 Atex headset (MT7H79F-50) with folding headband

* SNR=33 H=33 M=32 L=24



6.939 Atex headset (MT7H79P3E-50) with helmet attachments

* SNR=32 H=33 M=31 L=23

Tactical XP Atex

The Peltor Tactical XP protects the user from harmful noise and impulse sounds, while allowing and even amplifying ambient sounds such as conversation, machine noises and warning signals.

The built-in functions of the Tactical XP make it quite different from other active hearing protectors: The user can control and vary the volume function for the current situation. Where necessary, ambient noise can be amplified more than any other Peltor hearing protector allows. The Tactical XP lets you hear what you want to hear and block out all harmful noise. Each function and setting is indicted by a voice message.

A standard built in spiral stretchy cord with J11 jack for connection to the Peltor FL Atex Adapter.

Operate with 2 AA batteries, battery life of 1000 hours.

Weight: 390 g. GOST R 12.4.208-99



6.937
Tactical XP Atex headset
(MT1H7P3E2-07-50) with helmet attachments

* SNR=30 H=33 M=28 L=20

Peltor Adaptor (FL5214) – Motorola GP300

The adapter between the headset and the communication radio Motorola – GP300 is crucial for communication. This is where the PTT button (Push to Talk), for transmission is, which means that you must always have the adapter within reach and yet out of the way. The adapter is intended to tolerate rough treatment, waterproof.



6.926 Peltor Adaptor (FL5214)

Peltor Accessories



6.692
Peltor HY79 replacement ear seals for headsets



6.929 Clean Hygiene Pads, HY100A



7.012 Accumulator (ACK03)



7.013
Battery charger FR03E4 for ACK03 accumulator



(earline)



6.195 Ear muffs "Max 400" (31040) Noise reduction rating 25 dB. Soft-padded headband provides extra comfort. GOST R 12.4.208-99



 $\boxed{6.100}$

earline

6.100 Collapsible ear muffs "Max 500" Noise reduction rating 30 dB. Adjustable to head size. GOST R 12.4.208-99



6.337 SOMZ-5 Shturm helmet mounted earmuffs (60105) **Construction:** Durable plastic cups with elastic pads, sound-absorbing polyurethane foam inserts, holders with helmet adapters. Designed for protection against exposure to noise less than 115 dB (SNR = 30 dB). **Temperature range:** from -50°C up to +50°C.

Weight: 200 g. GOST R 12.4.210-99 Helmets Rosomz see page 198.



6.144<u>uvex</u>

6.144 Ear muffs for use with UVEX "AirWing" safety helmet (2600135) Noise reduction rating 28 dB.
The ear muffs are highly effective hearing protectors. Low

contact pressure. Provide comfort during extended wear. GOST R 12.4.210-99

"Airwing" safety helmets see page 201



9.980 Ear muffs for use with UVEX "AirWing" safety helmet (3000165) Noise reduction rating 31 dB. GOST R 12.4.210-99 "Airwing" safety helmets see page 201.



6.114 Ear muffs for use with UVEX safety helmet Noise reduction rating 26 dB. Provide protection against harmful noise, block out high frequency noise. Provide comfort during extended wear. GOST R 12.4.210-99 UVEX safety helmets see page 202.

3M™ Peltor safety helmets are made of high quality ABS plastic, have compact size, light weight and good heat resistance performance.

Modern technologies used in production of Peltor helmets are the first to solve the problem of helmet wear estimation. New Peltor SOLARIS technology allows for helmet integrated UV indicator showing the degree of its wear thus preventing helmet usage after service life expiration.

It is important because when used in the open, helmets are continuously exposed to UV radiation causing ageing and loss of protective properties of polymeric materials used for their manufacture.



Helmet **G2001** (G2001CUV-VI)

6.878 (G2001CUV-VI) – color: white.

6.879 (G2001CUV-RD) – color: red.

Design: light protective helmet made of UV resistant ABS-plastic, without vent holes.

The lower flange of the helmet shell increases its rigidity and protects against transversal contraction effort. Can be completed with V6 (6.457) goggles

Protective properties: the helmet design provides maximum shock absorption and uniform distribution of shock loads. Withstands splashes of molten metal and provides protection against electric current (440V). Temperature range: –30°C to +50°C.

Color: white. **Weight:** 340 g. **GOST R 12.4.207-99**



Helmet **G3000** (G3000C)

igspace 6.866 (G3000C VI) – color: white.

6.472 (G3000C RD) – color: red.

 $\mathbf{\mathfrak{g}}$ $\mathbf{6.867}$ (G3000C GU) – color: yellow.

6.868 (G3000C OR) – color: orange.

6.869 (G3000C BB) – color: blue.

Design: light protective helmet made of ABS-plastic has a lot of vent holes for the best ventilation. The absence of protruding parts improves helmet protective properties while a shortened visor enhances the view. The textile headband has 4 fixing points and allows for slight adjustment subject to head size. The shock tool can be turned by 180 degrees if required.

May be complete by V6 goggles **(6.457)**. **Protective properties:** the helmet design provides maximum shock absorption and uniform distribution of shock loads

Temperature range: -30°C to +50°C. **Weight:** 310 g.

GOST R 12.4.207-99

6.880 Chinstrap GH2 (for Safety Helmet G2001)



7.532 GH1 chin strap (for G3000 helmet)





6.870 G3000 (G3000C GB) Hi-vis helmet

Protective properties: the helmet completed with Optime Hi-Viz ear muffs of the same color provide complex head and hearing protection with simultaneous visibility improvement.

Color: neon green.

6.873 G3000-10 Helmet (G3000CUV-10GU) for miners

Design: light protective helmet made of ABS-plastic, without vent holes, with lamp and cable holder. The absence of protruding parts improves helmet protective properties while a shortened visor enhances the view. The textile headband has 4 fixing points and allows for slight adjustment subject to head size. The shock tool can be turned by 180 degrees if required. May be complete by V6 goggles **(6.457)**.

Protective properties: the helmet design provides maximum shock absorption and uniform distribution of shock loads. Withstands splashes of molten metal and provides protection against electric current (440V).

Temperature range: –30°C to +50°C.

Color: yellow. Weight: 400 g. GOST R 12.4.207-99



Helmet adaptor P3EV/2 to attach multi visors V4 to helmets without ear muffs



6.882

Multi Visor V4H, polycarbonate

Construction: clear visor with anti-fog treatment. For use with G2000 and G3000 safety helmets.

Protective properties: lens made of durable polycarbonate, provides protection against hard particles flying at 120 m/s speed, UV radiation, chemical exposure. Optical class 1.

Thickness: 1.2 mm.

Temperature conditions: from -40°C to +130°C.

Lens tint: clear. Weight: 120 g.

GOST 12.4.023-84, GOST R 12.4.230.1-2007



6.881

Multi Visor V4D, acetate

Construction: clear visor with anti-fog treatment on both sides. For use with G2000 and G3000 safety helmets

Protective properties: acetate lens, protection against particles flying at 45 m/s speed and UV radiation, chemical liquids (acids and alkalis, petroleum products). Optical class 1.

Thickness: 1.0 mm.

Temperature conditions: from -40°C to +100°C.

Lens tint: clear. Weight: 120 g.

GOST 12.4.023-84, GOST R 12.4.230.1-2007





Safety helmet "Trud U"

6.069 – color: white.



6.021 – color: orange.

Construction: Safety helmet is made of high-density polyethylene, equipped with ventilation system. Head size adjustable (size 54 - 62).

Protective properties: withstands vertical impact effect up to 50 J, protects from electric shocks by a voltage of 440 V.

Temperature conditions: from −10°C to +50°C − for "summer" version.

Weight: 490 a.

TU 2291-035-05762341-2010 GOST R 12.4.207-99



5.890 Bump cap EP blue (57300)



5.892 Bump cap EP Hi-Viz fluorescent orange (57308)

5.831 Bump cap EP Hi-Viz fluorescent yellow (57307)

The bump cap is intended for head protection against impacts of solid, unmoving objects which are strong enough to cause subcutaneous wounds. The bump cap does not protect against falling objects, in this case safety helmet should be used. Consists of ABSplastic protection insert with external and internal shock absorbers, body material – 100% cotton (outer fluorescent material Hi-Viz – 35% cotton, 65% polyester). Wearer's comfort is provided by special vent holes. It is recommended to use a new bump cap every 2-3 years.

Size: 54 - 59.

GOST R12.4.245-2007



Miner's helmet "Shakhtyor M"



6.070 – color: white.



6.026 – color: orange.

Construction: Features lamp fastener. Textile cushion

Protective properties: withstands vertical impact effect up to 50 J, protects from electric shocks by a voltage of 440 V.

Intended for head protection in mineral resource in-

Temperature conditions: from -10°C to +50°C. Weight: 490 a.

TU 2291-035-05762341-2010 GOST R 12.4.207-99

Application of logos on helmets

Helmet logo is made in a form of a sticker on a transparent film to be applied onto a helmet surface. Minimum quantity – 1 pc. For more information about logo application see page 9

6.030

Bump cap (baseball cap)

Textile cap. Plastic insert with polyurethane foam shock-absorbing layer. Protects against mechanical effects in limited space conditions. Recommended for railway men, service station and airport stuff, equipment maintenance.

Color: dark blue. GOST R 12.4.245-2007



Safety helmet "Trud M"



6.068 – color: white.



6.020 – color: orange.

Construction: Safety helmet is made of high-density polyethylene, equipped with ventilation system, pockets for ear muffs and shield attachment. Head size adjustable (size 54 - 62).

Protective properties: Intended for head protection against production hazards: mechanical impacts, water, protects from electric shocks by a voltage of

Temperature conditions: from -10°C to +50°C - for "summer" version.

6.030

Weight: 400 a.

TU 2291-035-05762341-2010 GOST R 12.4.207-99



6.436

Safety Helmet "SOMZ-55 Favori®T"

POCOM3®

6.436 – color: blue (75518).

6.434 – color: red (75516).

6.435 – color: orange (75514).

6.433 – color: white (75517)

6.449 – color: vellow (75515).

Construction: features impact-resistant body made of Termotrek® material. The helmet is fitted out with visor, rain groove, internal accessories. Etalon head mount and chin strap. The design allows for the use the of extra PPE; ear muffs, face shields, welder's protective screens, liner.

Protective properties: intended for head protection against mechanical injuries (lateral deformation resistant), moisture exposure, metal spray and 2200V electric current in metal manufacture, machine building and other industries involving head injury risk. Temperature conditions: from -50°C to +50°C.

Weight: 240 g.

GOST R 12.4.207-99, EN 397 TU 9400-086-36438019-99

6.337 Ear muffs "SOMZ-5 SHTURM" (60105)

Construction: Ear cups made of sturdy plastic and are filled with sound-absorbing polyurethane foam. Special

adapters are used to attach ear muffs to the helmet. Recommended for hearing protection against exposure to noise up to 115 dB (SNR = 30 dB).

Temperature conditions: from -50°C to +50°C. Weight: 200 g.

GOST R 12.4.210-99



POCOM3®



Safety Helmet "SOMZ-55 Favori®T RAPID"

6.620 – color: white (75717).

6.621 – color: red (75716).

6.622 – color: orange (75714).

6.623 – **color:** blue (75718).

6.624 – color: yellow (75715).

6.625 – color: green (75719).

Construction: features impact-resistant body made of Termotrek®. The helmet is equipped with visor, rain groove and two pockets for ear muffs attachment, cloth tape shock absorber with 6 fixing points, chin strap and seal.

The unsurpassed distinguishing advantage of "SOMZ-55 RAPID" series safety helmets is the unique design of internal fit-out RAPID allowing for smooth and accurate adjustment of headband size, for secure helmet fixing on the head of the wearer. The design allows for use of extra protection equipment: ear muffs, face shields, welder's protective screens, liner.

Protective properties: Intended for head protection against mechanical injuries (resistant to lateral deformation), moisture, metal spray and electric current of up to 2200V voltage during works involving head injury risk in metal manufacture, machine-building and other industries.

Temperature conditions: from -50°C to +50°C. Body weight: 240 g. TU 9400-086-36438019-99 GOST R 12.4.207-99 EN 397

POCOM3®



Safety Helmet "SOMZ-55 Favorit Thermo RAPID"

6.629 – color: white (76717).

6.630 – **color:** golden brown (76712).

6.631 – color: red (76716).

6.632 – color: silver (76713).

Construction: features impact-resistant body made of SUPER Termo-trek®. The helmet is equipped with visor, rain groove and two pockets for ear muffs attachment, cloth tape shock absorber with 6 fixing points, chin strap and genuine leather seal.

The unsurpassed distinguishing advantage of "SOMZ-55 RAPID" series safety helmets is the unique design of internal fit-out RAPID allowing for smooth and correct adjustment of headband size, for secure helmet fixing on the head of the wearer. The design allows for use of extra protection equipment: ear muffs, face shields, welder's protective screens. liners.

Protective properties: intended for head protection against mechanical injuries, moisture, splashes, corrosive liquids, molten metal sparks and spray, electric current of up to 2200V voltage; withstands short-term exposure to high temperatures up to +1450°C and medium-term (8-10 min) exposure to high temperatures up to +350°C.

Temperature conditions: from -50°C to +150°C. Body weight: 270 g. TU 9400-086-36438019-99, GOST R 12.4.207-99 FN 397 POCOM3®



Safety Helmet "SOMZ-55 Favori®T Hammer RAPID"

6.626 – color: white (77717).

6.627 – **color:** red (77716).

6.628 – **color:** orange (77714).

Construction: features impact-resistant body made of Termotrek®. The helmet is equipped with visor, rain groove and two pockets for ear muffs attachment, cloth tape shock absorber with 6 fixing points, chin strap and seal.

The unsurpassed distinguishing advantage of "SOMZ-55 RAPID" series safety helmets is the unique design of internal fit-out RAPID allowing for smooth and

correct adjustment of headband size, for secure helmet fixing on the head of the

wearer. The design allows for use of extra protection equipment: ear muffs, face shields, welder's protective screens liners

Protective properties: intended to provide head protection for miners, drillers, shaft men engaged in underground works against injuries, moisture and dust action, electric traumas caused by current of up to 2200V voltage.

Temperature conditions:

from -50°C to +50°C. **Body weight:** 250 g. **TU 9400-086-36438019-99**

GOST R 12.4.207-99 GOST R 12.4.091-80 EN 397 POCOM3®



6.414 Helmet shield "KS Stal" (04106)

For use with SOMZ-55 Favori®T safety helmets Replacement screen made of 2.0×0.7 mm metal mesh, plastic edges for extra protection against flying particles. Universal helmet mount is made of heat resistant material. The shield is attached to helmet by lifting and retaining device made of cold-and heat resistant material, which is wear-resistant and guarantees secure fixing of face shield in two positions: "up-down".

Protective properties: Intended for face, head, eye protection against mechanical impacts.

Weight: 180 g. TU 9400-086-36438019-99 GOST 12.4.023-84





RAPID head

fastening system

POCOM3®



Safety Helmet "SOMZ-55 Favori®T Termo"



6.390 – color: silver (76513).



6.398 – color: golden brown (76512).



6.913 – color: white (76517).



6.914 – **color:** red (76516).

Construction: impact-resistant, heat-resistant, burning and high temperature resistant body made of SUPER Termotrek®. Internal fit-out is attached to the body at six points and consists of shock absorber with hangers, carrying tapes fitted with a soft genuine leather obturator, and chin strap. Provides high level of comfort during long-time use. The design allows for the use of extra PPE: earmuffs, face shields, welder's protective screen, liner. Protective properties: intended for head protection against mechanical injuries, moisture, splashes, aggressive liquids, sparks and splashes of molten metal, electric voltage of up to 2200V: withstands short-term exposure to high temperatures up to +1450°C and medium-term exposure (8-10 min) of high temperatures up to +350°C. **Tempe**rature conditions: from -50°C to +150°C.

Color: silver Body weight: 270 g. TU 9400-086-36438019-99 GOST R 12.4.207-99, EN 397

POCOM3®



Safety Helmet "SOMZ-55 Favori®T Hammer"



6.922 – color: orange (77514).

6.916 – color: white (77517).

6.917 – color: red (77516).

Construction: impact-resistant body with a rain groove and miner's lamp mount; solid caplamp cable holder, pockets for ear muffs attachment, internal fit-out with synthetic fabric tape shock absorber, soft seal and

Protective properties: intended for head protection against mechanical injuries, electric current, splashes of water and aggressive liquids in mining industry. The helmet body protects against electric shock by current of up to 2200V voltage in case of contact with currentcarrying parts. Completed with pelerine. **Temperature** conditions: from -50°C to +50°C. Color: orange. Weight: 250 a.

TU 9400-086-36438019-99 GOST R 12.4.207-99 GOST 12.4.091-80 EN 397

POCOM3®



6.911 "KBT Vision TITAN" shield with helmet mount (04390)

Construction: for use with "Somz-55 Favorit" helmets. 2 mm thick replacement lens made of shock-and heat-resistant polycarbonate. Distortion-free, optical class 1. Lens height – 190 mm. The shield is attached to safety helmet with special adapters made of heat-resistant polyamide.

Protective properties: provides protection against hard particles (kinetic energy up to 15 J), reduces thermal radiation intensity by 50%. Withstands short-term exposure to high temperatures up to +1490°C and medium-term (8-10 min) exposure to high temperatures up to +350°C.

For working at blast, steel-making and other industrial furnaces. For protection against high temperature, ferrous and non-ferrous metal spray, abrasives, chips, fragments and other hard particles of high energy, For work with pneumatic and power tools, painting, corrosive liquids spraying, and other works.

Thickness: 2 mm.

Temperature conditions: from -50°C to +180°C.

Lens tint: clear. Weight: 210 a.

TU 9400-086-36438019-99 GOST 12.4.023-84 GOST R 12.4.230.1-2007

POCOM3®



6.915 Helmet attached shield "KBT VISION® **ENERGO"** (04207)

The ideal solution for safe electrical work. Construction: for use with "Somz-55 Favorit" helmets. Replacement lens made of cellulose acetate (thickness – 1,6 mm), self-polishing anti-fog anti-static coating; edging made of electrical insulating material. Shield is attached to helmet with the help of special adapters, fixed in two positions. Shield is metal free, made of dielectric material. Distortion-free, optical class 1. Lens height – 190 mm.

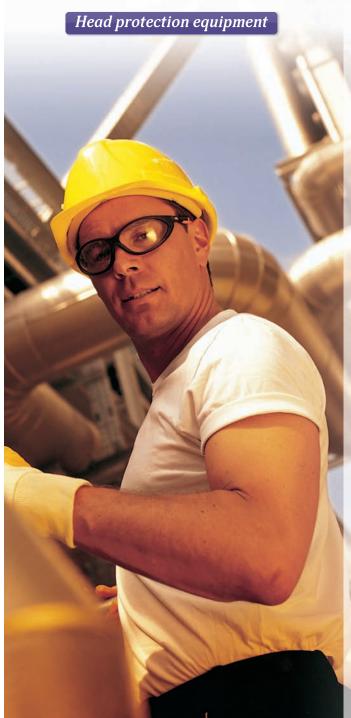
Protective properties: for face and head protection against hard particles (kinetic energy up to 7 J), electric shocks by current of up to 2200 V voltage at ambient temperature of - 20°C to +110°C in production environments and outdoor areas.

Thickness: 1.6 mm.

Temperature conditions: from -20°C to +110°C.

Lens tint: clear. Weight: 200 a.

TU 9400-086-36438019-99 GOST 12.4.023-84 GOST R 12.4.230.1-2007







Safety helmet UVEX "Air wing" (9762) with textile headband

6.157 (9762120) – color: yellow.

6.156 (9762320) – color: red.
6.029 (9762020) – color: white.

6.158 (9762220) – color: orange.

6.159 (9762520) – color: blue.

6.220 (9762420) – color: green.

Construction: made of polyethylene. Front and back vent holes provide optimum air circulation. Adjustable ventilation enabling user to wear the helmet under any conditions. Textile headband has leather insert for sweat. Textile headband with 6 fixing points, slight adjustment to head size (size 52 – 61). The headband has a replaceable leather sweat-absorbing insert. Equipped with a rain groove providing draining of flowing sheet water.

Protective properties: Provides protection against mechanical impacts and contact with conductors under voltage up to 440 V.

Temperature conditions: from -50°C to +50°C. Weight: 360 g. GOST P 12.4.207-99 EN 397



Safety helmet UVEX "Air wing" (9762) with textile headband and ratchet

6.277 (9762030) – color: white.

igwedge 6.193 (9762130) – color: yellow.

6.189 (9762330) – color: red.

- 6.169 (9762230) – color: orange.

 $\mathbf{=}6.649$ (9762430) – color: green.

Construction: made of high quality polyethylene. Vent holes provide air flow circulation and comfort in long-term use. The helmet is features a textile headband with leather insert for sweat absorption and provides extra occipital protection. The ratchet mechanism provides smooth and convenient size adjustment (52 – 61 centimeters) and securely fixes the helmet on the head. The ideal solution for engineers, technicians and visitors of construction sites and works involving the risk of head injury to minimize a risk of head injury. **Protective properties:** Provides protection against

the tension equal to 440 V. **Temperature conditions:** from –50°C to +50°C. **Weight:** 380 g.

GOST P 12.4.207-99, EN 397

mechanical impacts and contact with conductors under

6.206

UVEX "Super Boss" Helmet with textile headband (9755000)

6.206 (9755000)

color: white.
6.046 (9755100)

color: yellow.

Construction: made of polyethylene. Textile headband with size adjustment (size 52 – 61). and 6 fixing point provides uniform impact distribution. Leather, sweatabsorbent insert provides special comfort in prolonged wearing. Adjustable ventilation system creates air circulation inside the helmet. The rain groove provides water draining in rainy weather. Features headlight holder and cable fastening. The helmet can be completed with earmuffs, shield, goggles. **Protective properties:** protects against mechanical impacts, electric current of up to 440 V voltage, is highly shock-absorbent.

Temperature conditions: from −50°C to +50°C. Weight: 380 g. GOST R 12.4.207.99 EN 397



6.049 Leather chinstrap (9790005)
For use with safety helmet. Adjustable

length

6.144
Ear muffs for use with
UVEX "Air wing" safety
helmet (2600135)
It features a noise reduction
rating of 28 dB.

Highly effective hearing protectors. Optimum seal with low contact pressure, which provides snug comfort even during long-time use.

GOST R 12.4.210-99



9.980
Ear muffs for use with UVEX "Air Wing" safety helmet (300165) It features a noise reduction rating of 31 dB.
GOST R 12.4.210-99









Textile headband



Plastic headband

Safety helmet UVEX "Super Boss" (9750) with textile head band

6.025 (9750020) – color: white.

6.160 (9750120) – color: yellow.

6.182 (9750320) – color: red.

6.164 (9750220) – color: orange.

6.183 (9750520) – color: blue.

6.135 (9750420) – color: green.

Construction: The helmet is made of polyethylene. Features textile headband with six fixing points, easy size adjustable (size 52 – 61). The headband has replaceable leather pad for sweat absorption. Equipped with ventilation system and pockets on each side for ear muffs and shield attachment. Helmet can be completed with ear muffs, visor and spectacles.

Protective properties: Provides protection against mechanical impacts and electric current of up to 440 V voltage. The helmet is highly shock absorbing.

Temperature conditions: from -50°C to +50°C. Weight: 370 g.

GOST R 12.4.207-99 EN 397

Safety helmet UVEX "Super Boss" (9752) with plastic head band

6.045 (9752020) – color: white.

6.184 (9752120) – color: yellow.

 $m{@} 6.185$ (9752320) – color: red

6.186 (9752220) – color: orange.

 $lue{0.187}$ (9752520) – color: blue.

6.168 (9752420) – color: green.

Construction: The helmet is made of polyethylene. Features plastic headband with six fixing points, easy size adjustable (size 52 – 61). Equipped with ventilation system and pockets on each side for ear muffs and shield attachment. Helmet can be completed with ear muffs, visor and spectacles.

Protective properties: Provides protection against mechanical impacts and electric current of up to 440 V voltage. The helmet is highly shock absorbing. **Temperature conditions:** from -50°C to +50°C.

Weight: 370 g. GOST R 12.4.207-99 EN 397

<u>uvex</u>



Safety helmet "Thermo Boss" (9754) with textile head band

6.188 (9754000) – color: white.

6.048 (9754300) – color: red.

6.190 (9754100) – color: yellow.

Construction: The helmet is made of strong polycarbonate with 6-point textile suspension, smooth size adjustment (size 52 – 61), leather replaceable insert for sweat absorbing. Side pockets for fixing ear muffs, spectacles, visor. Protective properties: Provides protection against mechanical impacts and contact with conductors under voltage of up to 1000 V.

Temperature conditions: from –50°C to +150°C.

Color: red. Weight: 550 g.

GOST R 12.4.207-99, EN 397



6.040

Helmet visor UVEX (9723014)

Construction: Safety visor with circular fastening. Can be easily fixed in one of 3 positions. Polycarbonate lens. Lens size: 540 x 195 x 1 mm.

Protective properties: Provides 100% UV protection. Protection against flying particles (120 m/s). Distortion-free, optical class 1.

Temperature conditions: from -40°C to +100°C.

Lens tint: clear. Weight: 220 g.

GOST R 12.4.230.1-2007



6.043

Helmet visor (9722514)

Construction: Safety visor with circular fastening. Can be easily fixed in one of 3 positions. Polycarbonate lens with antifogging coating. For use with "Thermo Boss" **(9754)** and "Super Boss" **(9750)** helmets.

Protective properties: Provides 100% UV and voltaic arc protection. Protection against flying particles (120m/s). Distortion-free, optical class 1. Fireproof edging, antifogging coating

Temperature conditions: from -40°C to +100°C.

Lens tint: clear. Weight: 335 g.

GOST R 12.4.230.1-2007



Ear muffs for UVEX helmet (2800145) It features a noise reduction rating of 26 dB.

Superior protection against high frequency noise. Provide comfort even during long-time

GOST R 12.4.210-99



6.222 Ansell Acid-resistant neoprene apron (up to 96%) Model BN-45L

Provides protection against acids (up to 50%) and alkalis (up to 40%), organic solvents, oils and fats

Particular mechanical strength. **Size:** 90 x 115 cm. Density 424 g/m² **Color:** black. **GOST 12.4.029-76**

6.221 Ansell Acid- and moisture-resistant vinyl apron PVC-45G

Apron is made of compact vinyl (PVC). For medium and heavy works. Provides protection against acids (up to 50%) and alkalis (up to 40%), petroleum-refining products, oils, fats, lacquers and lacquerbased inks.

Size: 84 x 112 cm. PVC thickness: 0.508 mm. Color: green. GOST 12.4.029-76

6.490 Ansell Acid- and moisture-resistant vinyl apron PVC-45W

Apron is made of compact vinyl (PVC). For medium and heavy works. Provides protection against acids (up to 50%) and alkalis (up to 40%), petroleum-refining products, oils, fats, lacquers and lacquerbased inks.

Size: 84 x 112 cm. PVC thickness: 0.508 mm. Color: white. GOST 12.4.029-76

6.201 Ansell Oil- and gasoline-resistant vinyl apron

Provides protection against acids (up to 50%) and alkalis (up to 40%), petroleum-refining products, oils and fats.

Size: 84 x 119 cm. PVC thickness: 0.152 mm. Color: blue.

GOST 12.4.029-76

6.489 Ansell Oil- and gasoline-resistant vinyl apron CW-45PT

Provides protection against acids (up to 50%) and alkalis (up to 40%), petroleum-refining products, oils and fats.

Size: 84 x 112 cm. PVC thickness: 0.152 mm. Color: white. GOST 12.4.029-76

6.211 Polyethylene apron

Resistance to edible fats (vegetable and animal), moisture.

Size: 81 x 125 cm.

PVC thickness: 0.025 mm.

PVC thickness: 0.025 mm. GOST R ISO 10993.1-09







7.535 Honeywell Metal mesh apron "Chainex Light" (4C755500C302)

Apron is made of stainless steel (AISI 316 L) rings. The outer diameter of rings: 7,3 mm, inner diameter 5,9 mm, wire diameter 0,7 mm. Lightweight, ergonomic, durable. Apron is equipped with a belt and wide adjustable and plastic detachable straps specially designed for providing additional comfort. Recommended for food industry for protection against cuts.

Size: 75×55 cm.

ISO 13998, EN 412, not to be certified according to

GOST R

6.191 Tarpaulin apron with fire-resistant finish Density: 500 g/m². GOST 12.4.029-76



6.181 Rubber apron GOST 12.4.029-76



7.520 Split leather sleeve protectors for welder

Provide maximum protection for hands and shoulders as well as welder workwear. Sleeves are particularly suited for overhead welding, as they protect the top of the shoulders, and the upper part of the back. Special construction to prevent scale penetration between leather and suit sleeves. Sleeves are provided with a thumb loop made of elastic cord to prevent folding.

Extend a service life of workwear at minimal cost.

Sleeve measurements correspond to suit measurements:

Size: 88/92 – 128/132. **Height:** 158/164 – 194/200.

Fabric: split leather.

GOST R 12.4.247-2008 "Protective clothing for protection from sparks and splashes of

melted metal"



6.171 Ansell Moisture-resistant vinyl sleeve-protectors

VSB-8-HS (blue color).
Protection against up to 50% acids and alkalis, petroleum-refining products, oils and fats.

PVC thickness: 0.203 mm. Length: 460 mm. GOST R 50962-96



6.1730 Polyethylene sleeve-protec-

Resistance to edible fats (vegetable and animal) **Thickness:** 0.025 mm. **Length:** 400 mm.

Pack 100 pcs. GOST R ISO 10993.1-09



6.172
Cotton sleeve-protectors



6.1610 **Ansell**

Polyethylene shoe-protectors with textured surface SC-41BCPE

Length: 41 cm. Pack 100 pcs. GOST R 50962-96



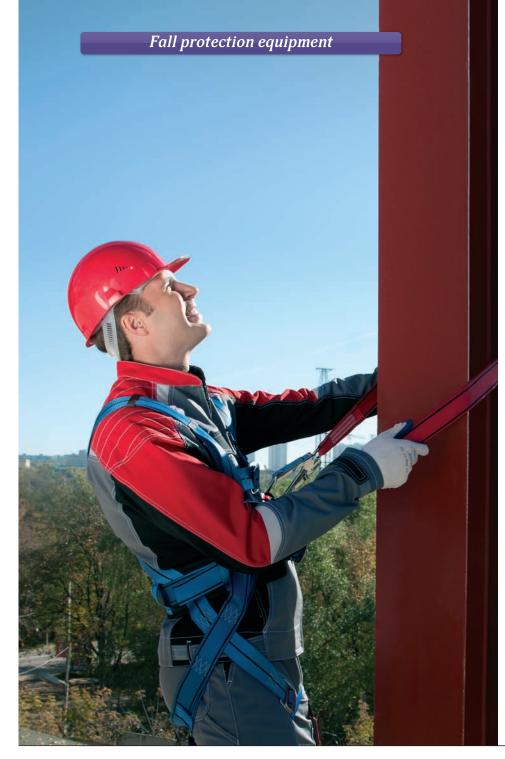
11.0360

Polyethylene shoe-protectors with smooth surface

Length: 41 cm. Pack 100 pcs.

GOST R ISO 10993.1-09

6.162 Medical finger-stall Pack 100 pcs. TU 38.106567-88





We are presenting to your attention series of protective equipment for working at height, manufactured by Yaroslavl Electromechanical Works (EMZ holding company), our strategic partner

For more than 60 years EMZ Holding company has been manufacturing and improving products for enterprises of electric-power, oil and gas, mining and smelting, railway, machine-building, construction and other industries.

Personal protective equipment for working at height and small-scale mechanization have certificates of conformity and are manufactured on a high technological level. This is the only enterprise in Russia equipped with certification test bench,, for commissioning dynamic and static load tests of life belts which enables permanent control of conformity to GOST requirements harmonized with European standards.

Our catalogue introduces a new series of protective equipment for working at height notable for improved design, safety and human factor. One more substantial improvement is product weight reduction at the expense of the number and weight of metallic parts with no loss of durability. Belt sizes have been introduced to make our choice of protective equipment easier. New buckle design has been worked out to provide comfort and safety of belt fastening.

Modern belt design makes it possible to fully remove the risk of injury due to fall from a height.

Methods of manufacturing climbers include heat treatment system, 100% bench tests, tests of climbers' cramp for hardness, production control with metrological devices. Small-scale mechanization devices for rising to tangent towers are certified with System for certification in electroenergertics.

All the products meet European requirements and guarantee workers' safety during works at height.

Accident prevention during works at height is employer's responsibility.









5.908 PPL-32 fall-arrest safety harness (size SM)

PPL-32 fall-arrest safety harness with shoulder straps and thigh straps is designed to ensure a person's safety when performing works at height as back-up and safety tether, as well as for working in wells, tanks and other closed spaces involving possible necessity of evacuation.

It belongs to the most sparing safety systems used under dynamic loads appearing during the fall from height. Structure of the harness ensures the adjusting grasp of the user's body. The harness is used as a part of personal protection system. Fixed location of karabiner holder on the waist belt. Min. static breaking strength, 15000 N (1500 kgf).

Weight: not more than 1,9 kg. Waist: 800 – 1200 mm. Girdle length: 650 mm. Waist-belt length: 1420 mm.

GOST R EN 358-2008, GOST R EN 361-2008

TU 8786-012-39181999-2010

5.909 PPL-32 fall-arrest safety harness (size ML)

Min. static breaking strength, 15000 N (1500 kgf). **Weight:** not more than 1,9 kg.

Waist: 1100 – 1400 mm. Girdle length: 800 mm. Waist-belt length: 1620 mm.

GOST R EN 358-2008, GOST R EN 361-2008 TU 8786-012-39181999-2010

5.910

PPL-32 fall-arrest safety harness (size XXL)

Min. static breaking strength, 15000 N (1500 kgf).

Weight: not more than 1,9 kg. Waist: 1200 – 1600 mm. Girdle length: 800 mm. Waist-belt length: 1800 mm.

GOST R EN 358-2008, GOST R EN 361-2008

TU 8786-012-39181999-2010

5.912 PPL-33 fall-arrest safety harness (size SM)

Fall-arrest safety harness is designed to ensure a person's safety when performing works at height as back-up and safety tether, as well as for working in wells, tanks and other closed spaces involving possible necessity of evacuation. Simplified design, harness can be easily adjusted in size with buckles located on leg straps. Min. static breaking strength, 15000 N (1500 kgf).

Weight: not more than 1,9 kg. Waist: 800 – 1200 mm. Girdle length: 650 mm. Waist-belt length: 1420 mm.

GOST R EN 358-2008, GOST R EN 361-2008

TU 8786-012-39181999-2010



5.913 PPL-33 fall-arrest safety harness (size ML)

Min. static breaking strength, 15000 N (1500 kgf). **Weight:** not more than 1,9 kg.

Waist: 1100 – 1400 mm. Girdle length: 800 mm. Waist-belt length: 1620 mm.

GOST R EN 358-2008, GOST R EN 361-2008

TU 8786-012-39181999-2010

5.914

PPL-33 fall-arrest safety harness (size XXL)

Min. static breaking strength, 15000 N (1500 kgf).

Weight: not more than 1,9 kg. Waist: 1200 – 1600 mm. Girdle length: 800 mm. Waist-belt length: 1800 mm.

GOST R EN 358-2008, GOST R EN 361-2008

TU 8786-012-39181999-2010



5.915 PPL-34 fall-arrest safety harness (size SM)

Fall-arrest safety harness is designed to ensure a person's safety when performing works at height as back-up and safety tether, as well as for working in wells, tanks and other closed spaces involving possible necessity of evacuation

The belt has 4 fixing points: two side points – for back-up, back and breast points – for safety at falls. Min. static breaking strength, 15000 N (1500 kgf).

Weight: not more than 2,1 kg. Waist: 800 – 1200 mm. Girdle length: 650 mm. Waist-belt length: 1420 mm.

GOST R EN 358-2008, GOST R EN 361-2008

TU 8786-012-39181999-2010

5.916 PPL-34 fall-arrest safety harness (size ML)

Min. static breaking strength, 15000 N (1500 kgf)

Weight: not more than 2,1 kg. Waist: 1100 – 1400 mm. Girdle length: 800 mm. Waist-belt length: 1620 mm. GOST R EN 358-2008 GOST R EN 361-2008 TU 8786-012-39181999-2010

5.917 PPL-34 fall-arrest safety harness (size XL)

Min. static breaking strength, 15000 N (1500 kgf).

Weight: not more than 2,1 kg.
Waist: 1200 – 1600 mm.
Girdle length: 800 mm.
Waist-belt length: 1800 mm.
GOST R EN 358-2008, GOST R EN 361-2008
TU 8786-012-39181999-2010

5.900 Safety belt PM-10

Safety belt is designed to ensure a person's safety and support at height.

Can not be used as a fall-arrest de-

vice.

Used as part of PPE set. A long girdle (650 mm) provides arrangement of metallic parts (safety hook holders and fixing rings) on the waist-belt and prevents their contact with worker's body, guarantees easy use and comfort. Static breaking strength – 15000 N (1500 kgf).

Weight: not more than 0,6 kg. Waist:

840 – 1500 mm. **Girdle length:** 650 mm. **GOST R EN 358-2008 TU 8786-010-39181999-2010**

5.904 Safety belt **PM-20**

Safety belt is designed to ensure a person's safety and support at height.

Can not be used as a fall-arrest de-

Can not be used as a fall-arrest de vice.

Girdle shape and size provide maximum comfort during continuous works and working in awkward positions, contributes to osteochondrosis prophylaxis and prevention.

Static breaking strength – 15000 N (1500 kgf).

Weight: not more than 0,9 kg. Waist: 840 – 1500 mm. Girdle length: 800 mm. GOST R EN 358-2008 TU 8786-010-39181999-2010

5.901 Safety belt **PM-30**

Safety belt is designed to ensure a person's safety and support at height.

Can not be used as a fall-arrest de-

Used as part of PPE set. Fixed location of safety hook holders on the waist-belt prevents them from slipping together with hand strap and protects the user during working on power transmission poles. Static breaking strength – 15000 N (1500 kgf).

Weight: not more than 0,7 kg. Size: SM. Waist: 800 – 1200 mm. Girdle length: 650 mm. GOST R EN 358-2008

TU 8786-010-39181999-2010







5.902 Safety belt PM-40 (size ML)

Intended for supporting and holding the worker on a certain height. Can not be used as a fall-arrest device. Used as part of PPE set. Fixed location of safety hook holders on the waist-belt prevents them from slipping together with hand strap and protects the user during working on power transmission poles. Static breaking strength - 15000 N (1500 kgf).

Weight: not more than 0,8 kg. Waist: 1100 - 1400 mm. Girdle length: 800 mm. Waist-belt length: 1620 mm. GOST R EN 358-2008, TU 8786-010-39181999-2010

5.903

Safety belt PM-40 (size XXL)

Waist: 1200 – 1600 mm. Girdle length: 800 mm. Waist-belt length: 1800 mm.

GOST R EN 358-2008, TU 8786-010-39181999-2010

5.905 Safety belt PM-31

Intended for supporting and holding the worker on a certain height as well as for working in wells, tanks and other closed spaces involving possible necessity of evac-

Can not be used as a fall-arrest device.

Fixed location of safety hook holders on the waist-belt. Static breaking strength -15000 N (1500 kgf).

Weight: not more than 1,5 kg.

Size: SM.

Waist: 840 - 1200 mm. Girdle length: 650 mm. Waist-belt length: 1800 mm. **GOST R EN 358-2008** TU 8786-010-39181999-2010

5.906

Safety belt PM-41 (size ML)

Intended for supporting and holding the worker on a certain height as well as for working in wells, tanks and other closed spaces involving possible necessity of evacuation. Can not be used as a fall-arrest device. Fixed location of safety hook holders on the waist-belt. Static breaking strength – 15000 N (1500 kgf).

Weight: not more than 1.6 kg. Waist: 1100 - 1400 mm. Girdle length: 800 mm. Waist-belt length: 1620 mm.

GOST R EN 358-2008, TU 8786-010-39181999-2010

5.907

Safety belt PM-41 (size XXL)

Static breaking strength – 15000 N (1500 kgf). Weight: not more than 1.6 kg.

Waist: 1200 - 1600 mm. Girdle length: 800 mm. Waist-belt length: 1800 mm.

GOST R EN 358-2008, TU 8786-010-39181999-2010

5.918

Safety tether PS-03

The tether is intended for use as personal equipment protecting against fall from height. Used only with cushioned hand strap fastened to it. Simplified design: shoulder and hip straps are made as one. Lightweight model due to the absence of waist-belt and less metallic parts.

Easily size adjustable with buckles located on leg straps. Static breaking strength - 15000 N (1500 kgf).

Weight: not more than 1.0 kg. **GOST R EN 361-2008**

TU 8786-011-39181999-2010



5.919

Safety belt PM-NLJ (summer)

TU 8786-003-39189999-2010

Waist: 940-1140 mm.

GOST R EN 358-2008



Capron rope hand strap SK-21

The hand strap should be used together with supporting system. Can not be used as a fallarrest device. Intended for providing safety during working at height. Used as part of PPE set. For hand strap production metallic parts and components are used. Equipped with pass bar for length adjustment. One small and one big safety hook.

Weight: not more than 0,9 kg. **Lenght:** not more than 2,0 m.

Static breaking strength: 15 000 N (1500 kgf). GOST R EN 358-2008, GOST R EN 355-2008

GOST R EN 362-2008 TU 8786-013-39189999-2010



5.927 Capron rope hand strap SK-21a

The hand strap should be used together with supporting system. Intended for providing safety during working at height. The hand strap is used as part of PPE set. When used at work, the distance from its anchorage point to the surface under the worker should not be less than 6,8 m For hand strap production metallic parts and components are used.

Hand strap features one big and one mall safety hook and shock-absorber. Equipped with pass bar for length adjustment.

Weight: not more than 1,1 kg. Lenght: not more than 2,0 m.

Static breaking strength: 15000 N (1500 kgf). The shock absorber provides reduction of dynamic loads to the human body at falls to 6000 N.

GOST R EN 358-2008, GOST R EN 355-2008 **GOST R EN 362-2008** TU 8786-013-39189999-2010



5.926

Capron rope hand strap SK-31

The hand strap should be used together with supporting system. Can not be used as a fallarrest device. Capron rope strap is intended for providing safety during working at height. The hand strap is used as part of PPE set. For hand strap production metallic parts and components are used. One small and one big safety hook with extended opening. Equipped with pass bar for length adjustment.

Weight: not more than 0,9 kg. Lenght: not more than 2,0 m.

Static breaking strength: 15000 N (1500 kgf). GOST R EN 358-2008, GOST R EN 355-2008 **GOST R EN 362-2008**

TU 8786-013-39189999-2010



5.921

Technical capron hand strap **SL-21**

The hand strap should be used together with supporting system. Can not be used as a fallarrest device. Capron tape strap is intended for providing safety during working at height. The hand strap is used as part of PPE set. Wide band - 45 mm. For hand strap production metallic parts and components are used. One small and one big safety hook.

Weight: 1,0 kg. Lenght: not more than 2,0 m.

Static breaking strength: 15 000 N (1500 kgf).

GOST R EN 358-2008 GOST R EN 355-2008 GOST R EN 362-2008 TU 8786-014-39189999-2010



Technical capron tape hand strap SL-31

The hand strap should be used together with supporting system. Can not be used as a fallarrest device. Capron tape strap is intended for providing safety during working at height. The hand strap is used as part of PPE set. Wide band - 45 mm. For hand strap production metallic parts and components are used. One small and one big safety hook with extended opening.

Weight: 1,2 kg. Lenght: not more than 2,0 m.

Static breaking strength: 15000 N (1500 kgf).

GOST R EN 358-2008 **GOST R EN 355-2008** GOST R EN 362-2008

TU 8786-014-39189999-2010



5.923

Technical capron tape double-shoulder strap SL-221a

Intended for providing safety during working at height. Features one small and two big safety hooks and shock-absorber. The strap enables the user to freely move about metal structures, erecting scaffolding and staircases. To be used with safety system. When used at work, the distance from its anchorage point to the surface under the worker should not be less than 6,8 m.

Weight: not more than 1.5 kg. Lenght: 1.6±0.05 m.

Static breaking strength: 15000 N (1500 kgf).

GOST R EN 358-2008 GOST R EN 355-2008 GOST R EN 362-2008 TU 8786-014-39189999-2010





5.928 Metal wire strap ST-21

Intended for providing safety during working at height. The strap consists of metal wire in PVC housing, with two safety hooks fixed at ends. PVC housing protects the strap against possible mechanical damage. The strap has one big and one small safety hook. To be used with support system.

Can not be used as a fall-arrest device.

Metal wire straps can be used for jobs involving fire.

Weight: 0,9 kg. **Lenght:** 1,4±0,05 m.

Static breaking strength: 15000 N (1500 kgf).

GOST R EN 358-2008 GOST R EN 362-2008 GOST R EN 355-2008 TU 8786-015-39189999-2010



5.929

Metal wire strap with shock absorber ST-21a

Intended for providing safety during working at height. Features one big and one small safety hooks and shock-absorber. To be used with safety system. When used at work, the distance from its anchorage point to the surface under the worker should not be less than 6,8 m The shock absorber provides reduction of dynamic loads to the human body at falls to 6000 N.

Weight: 1,2 kg. Lenght: 1,8±0,05 m.

Static breaking strength: 15000 N (1500 kgf).

GOST R EN 358-2008 GOST R EN 362-2008 TU 8786-015-39189999-2010 GOST R EN 355-2008



6.245

Assembler's climbers KLM-1

Intended for moving about trapezoid sectioned concrete poles when working on overhead transmission lines. The climbers are completed with natural leather fastening belts.

Used for poles SV110-1a, SV95-1a (2a).

Climbers' span (pin distance in step plate plane

projection): 168±4 mm.

Weight with belts: not more than 5,3 kg. TU 5221-031-39189999-2009

6.246

Assembler's climbers KLM-2

Used for poles SV105-3,6, SV105-5.

Climbers' span (pin distance in step plate plane

projection): 190±4 mm.

Weight with belts: not more than 5,4 kg.

TU 5221-031-39189999-2009



6.243

Assembler's climbers KM-1

Fitter climbers with crescents are intended for working on overhead transmission line poles made of wood and concrete reinforced wood. The climbers are completed with natural leather fastening belts.

Pole diameter: 180–245 mm. Climbers span: 245±5 mm. Climbers lift: 140±5 mm.

Weight with belts: not more than 3,7 kg.

TU 5221-029-39189999-2009

6.244

Assembler's climbers KM-2

Pole diameter: 220–315 mm. Climbers span: 315±5 mm. Climbers lift: 170±5 mm.

Weight with belts: not more than 4,1 kg.

TU 5221-029-39189999-2009



5.930

Metallic chain hand strap SC-21

Intended for providing safety during works at height. One big and one small safety hook. The hand strap should be used together with supporting system.

Can not be used as a fall-arrest device.

Metallic chain hand straps can be used for works involving fire (welding, metal cutting).

Weight: 1,5 kg. Lenght: 1,4±0,05 m.
Static breaking strength: 15000 N (1500 kgf).

GOST R EN 362-2008 GOST R EN 358-2008

TU 8786-018-39189999-2010



Safety rope KSK 5

Safety rope is to be used together with life belts for emergency evacuation of workers from wells, trenches, reservoirs and other closed spaces.

For working in acid mediums the rope is made of polyester (lavsan) – marked KSL.

Min. static breaking strength: 15000 N (1500 kgf). Lenght: 5 m.

TU 8121-008-39189999-2010

9.192

Safety rope KSL 10

Lenght: 10 m.

TU 8121-008-39189999-2010

9.193

Safety rope KSL 20 Rope length : 20 m. TU 8121-008-39189999-2010

6.247 Multi-purpose climbers LU

Multi-purpose climbers are intended for moving about trapezoid sectioned concrete poles when working on overhead transmission lines of SV110-1a, SV95-1a (2a), SV105-3,6, SV105-5 types.

The span is adjusted by moving the insert with the help of two bolts. The climbers are completed with natural leather fastening belts.

Climbers' span (pin distance in step plate plane projection): from 68 +/-4 to 190 +/-4 mm.

Weight with belts: not more than 5 kg.

TU 5221-032-39189999-2009



Safe-Tec equipment for safe and comfortable working at height

Choosing the right fall protection equipment is the first step toward ensuring your safety when working at heights.

Safe-Tec equipment includes a variety of traditional safety systems, such as harness fall protection, safety belts and special equipment (anchor lines, stop-lines, fall arrest blocks, evacuation systems) intended to protect workers in difficult and extreme conditions

All products are highly efficient and ergonomically designed, meet Russian and International requirements.











6.760 ST1 safety harness

Is designed to ensure a person's safety when performing works at height in construction and other industries: work at height on man-made structures, construction sites, work on roofs, etc.

Distinguishing features: shoulder and thigh straps fixing, fixing element on the back. Color coded straps, for easy donning. Four self-locking buckles to quickly adjust the leash under your size. Buckles are made of stainless steel. Adjustable ring attachment at the back.

Weight: 0,90 kg. Size: universal fit. Breaking strength: >15 kN. GOST R EN 361-2008 GOST R EN 813-2008 GOST R EN 813-2008

6.732 ST2 (STH101) safety harness

Is designed to ensure a person's safety when performing works at height in construction and other fields: installation horizons, artificial plants, construction sites, on the power lines, during the roofing work, descent / ascent, work in confined spaces. **Distinguishing features:** harness leash with shoulder and waist straps made of polyamide with a D-ring on the back, as well as two symmetrical curved D-rings at the waist. Color coded straps, for easy donning. Adjustable shoulder strap and loin. Wide, ergonomic sash belt.

Weight: 1,35 kg.
Size: universal fit.
Breaking strength: >15 kN.
GOST R EN 361-2008
GOST R EN 358-2008
GOST R EN 813-2008

6.736 ST3 (STH003) safety harness

Is designed to ensure a person's safety when performing works at height in construction and other industries: work at height on man-made structures, construction sites, work on roofs, etc.

Distinguishing features: shoulder and thigh straps, two fastening points: back and chest. Color coded straps, for easy donning. Four self-locking buckles to quickly adjust the leash under your size. Buckles are made of stainless steel. Adjustable ring attachment at the back.

Weight: 1,00 kg. Size: universal fit. Breaking strength: >15 kN. GOST R EN 361-2008 GOST R EN 358-2008 GOST R EN 813-2008





SAFE-TEC®





6.744 TST009 (TST009) tripod (without winch)

Handheld aluminium tripod, collapsible, 2 galvanized steel anchorage points, adjustable and automatically lockable legs with rubber protection against slip. Legs are fixed independently of each other, so the tripod can be installed on a slope, stairs, etc. The position of legs is securely fixed. Safety chains to prevent movement. Tripod is designed to lift and lower live loads and as such may be used for rescue or entry into confined spaces. Installed over hatches, wells and reservoirs. Tripod has two attachment points.

Weight: 17,3 kg. Dimensions folded: 1,75×0,23×0,23 m. Working height: 1,3–2,3 m. Working load: 500 kg. EN 795:1997 class b

6.745 RST020 (RST020) winch for tripod

Intended for raising and lowering personnel in emergency rescue/ retrieval situations.

Is made of galvanized steel, easy to mount on a tripod. An automatic brake mechanism secures the load during pauses in the operation.

Weight: 13 kg. Length of cable: 20 m. Rope diameter: 6,3 mm. Usable capacity: 180 kg. EN 795:1997 class b

6.749 Self Retracting Lifeline (LFT001)

This man-rated personal fall arrest component incorporates a retrieval winch suitable for raising and lowering personnel in emergency rescue/retrieval situations. For use with a leash **ST4** and tripod.

GOST R EN 358-2008 EN 795:1997

6.748 ST4 (STH004) safety harness

Recommended for use in confined space environments: trenches, tanks and wells. **Distinguishing features:** two attachment points: at the back and chest, for use with **LFT001** fall arrest component. Color coded straps, for easy donning. Four self-locking buckles to quickly adjust the leash under your size. Waist attachment point consists of two steel half-rings, back – steel half-ring.

Weight: 1,15 kg. Size: universal fit. Breaking strength: >15 kN. GOST R EN 361-2008 GOST R EN 358-2008 GOST R EN 813-2008

6.733 ST5 (STH103) safety harness

Recommended for use when performing works at height: construction, artificial plants, construction sites, on the power lines, mounting, roofing, climbing-down, confined space environments.

Distinguishing features: Adjustable shoulder and thigh straps made of polyamide with two attachment points: at the back and chest, two symmetrical Drings at the waist. Does not restrict a worker's movement at height. Color coded straps, for easy donning. Wide, ergonomic sash belt.

Weight: 1,54 kg. Size: universal fit. Breaking strength: >15 kN. GOST R EN 361-2008 GOST R EN 358-2008 GOST R EN 813-2008

6.746 ST6 (STH106) safety harness

Recommended for use when performing works at height: construction, artificial plants, construction sites, on the power lines, mounting, roofing, climbing-down, confined space environments.

Distinguishing features: Adjustable shoulder and thigh straps made of polyamide with two attachment points: at the back and chest, two symmetrical Drings at the waist. Leg straps are lined with energy-absorbing foam for increased safety and comfort. Color coded straps, for easy donning. Wide, ergonomic belt.

Weight: 1,54 kg. Size: universal fit. Breaking strength: >15 kN. GOST R EN 361-2008 GOST R EN 358-2008 GOST R EN 813-2008



6.720 MAUNTAGE (STH105) safety harness

Recommended when working at height increased complexity and duration. Ideal for long-running work on the towers and masts, power lines, power plants, contact networks of railroads.

Distinguishing features: Conveniently worn by the use of automatic fast buckles located on the leg straps and belt. Five self-locking buckles to quickly adjust the leash under your size. Elastic shoulder straps and a special rotating belt on a wide sash belt make work more comfortable. Special loops on the belt for attaching tools and equipment.

Weight: 1,88 kg. Size: universal fit. Breaking strength: >15 kN. GOST R EN 361-2008 GOST R EN 358-2008 GOST R EN 813-2008

6.751 XT11 safety harness

Model of increased comfort. Intended for supporting and holding the worker on a certain height. Six self-locking buckles to quickly adjust the leash under your size. Wide and tight belt for maximum comfort. Back attachment point (insurance) on a V-shaped adjustable shoulder straps. Two attachment points at waist. Special loops on the belt for attaching tools and equipment. Weight: 1,66 kg.

Size: universal fit.

Breaking strength: >15 kN.
GOST R EN 361-2008
GOST R EN 358-2008
GOST R EN 813-2008

6.798 SKYVER 5 (SKV103) safety harness Recommended for use when performing

works at height: construction, artificial plants, construction sites, on the power lines, mounting, roofing, climbing-down etc. Distinctive features: Leg loops with lining made of the breathing foam for maximum comfort. Waistbelt and foot straps equipped with self-locking CLICK buckles. A sternal and a dorsal attachment point for connecting a fall arrest system. Foam shoulder straps are widely spaced to reduce neck chafing. Wide, ergonomic waistbelt for excellent support. The two lateral curved attachment points transfer the weight evenly around the waistbelt for comfort when leaning back in the belt (with support for the feet), carbines can be easily mounted. Built-in impact indicator.

Built-in impact indicator.
Weight: 1,65 kg
Size: universal fit.
Breaking strength: >15 kN.
GOST R EN 361-2008
GOST R EN 358-2008

GOST R EN 813-2008

6.778 CANYON (STH110) safety harness

Recommended for use when performing works with high degree of complexity and duration at height. Ideal for a long work on towers and masts, power transmission lines, power plants, construction, industrial mountaineering.

Distinctive features: Wide, ergonomic waistbelt for excellent support. Foam shoulder straps are widely spaced to reduce neck chafing. Leg loops with lining made of the breathing foam for maximum comfort. The ventral attachment point distributes the weight more evenly between the waistbelt and the leg loops during suspended work. A sternal and a dorsal attachment point for connecting a fall arrest system. Three equipment loops with protective sheath. The upper straps are made of elastic material and equipped with buckles Waistbelt and foot straps equipped with self-locking CLICK buckles.

Weight: 1,72 kg Size: universal fit. Breaking strength: >15 kN. GOST R EN 361-2008 GOST R EN 358-2008 GOST R EN 813-2008

6.730 **SB1** (STB100) safety belt

Restraint belt for fixing work position at height and preventing a worker from getting into a zone with high risks of falling. Intended for protection the user during working on poles.

Distinguishing features: consists of a wide ergonomic waistbelt and belt with two D-shaped rings fasteners.

Weight: 0,67 kg. Breaking strength: >15 kN. GOST R EN 358-2008







6.735 LAS001 (LAS001) safety lanyard

Distinguishing features: not adjustable, for use with all types of safety belts.

Material: polyamide braided cord with wear indicator. Weight: 0,84 kg.

Lenght: 2 m.

GOST R EN 358-2008 GOST R EN 362-2008



6.729 LAS002 (LAS002) safety lanyard

Distinguishing features: not adjustable, for use with

all types of safety belts.

Material: polyamide braided cord with wear indicator.

Weight: 1,12 kg. Lenght: 2 m.

GOST R EN 358-2008 GOST R EN 362-2008



6.761 LAS102 (LAS102) safety lanyard

Distinguishing features: length adjustable, for use with all types of safety belts.

Material: polyamide braided cord with wear indicator.

Weight: 1,17 kg. Lenght: 2 m.

GOST R EN 358-2008 GOST R EN 362-2008



6.739

LAS212 (LAS212) double kapron lanyard

Distinguishing features: for use with all types of safety belts.

Material: polyamide braided cord with wear indicator.

Weight: 0,89 kg. Lenght: 2 m.

GOST R EN 358-2008 **GOST R EN 362-2008**



6.750LAS101 (LAS101) safety lanyard

Distinguishing features: length adjustable, for use with all types of safety belts.

Material: polyamide braided cord with wear indicator. Weight: 0.89 kg.

Lenght: 2 m.

GOST R EN 358-2008 GOST R EN 362-2008



6.734

ABS001 (ABS001) kapron lanyard with shock absorber

Distinguishing features: a safety lanyard made of polyamide filament, 12 mm in diameter, with a builtdiscontinuous belt shock absorber.

At one end – hook-carbine with self-closing lock (opening - 50 mm).

Weight: 1,00 kg. Lenght: 2 m.

GOST R EN 355-2008 GOST R EN 362-2008



6.724

ABS102 (ABS102) kapron lanyard with shock absorber

Used in conjunction with a safety tether during works

Distinguishing features: a safety sling made of polyamide filament, 12 mm in diameter, with a builtdiscontinuous belt shock absorber.

At one end – hook-carbine with self-closing lock (opening – 50 mm).

Weight: 1,35 kg. Lenght: 2 m.

GOST R EN 355-2008 GOST R EN 362-2008



6.762

ABS002 (ABS002) kapron lanyard with shock absorber

Used in conjunction with a safety tether during works

Distinguishing features: made of polyamide filament. 12 mm in diameter, with a built-discontinuous belt shock absorber.

At one end – hook-carbine with self-closing lock (opening – 50 mm).

Weight: 1,30 kg. Lenght: 2 m.

GOST R EN 355-2008 GOST R EN 362-2008



SAFE-TEC











6.722

ST2000 (LRS101) adjustable lanyard

Designed to secure working position at height. **Distinguishing features:** polyester sling, length adjustable, 14 mm in diameter with a protective lining. Ingenious design lets you adjust sling length quickly with one hand.

Weight: 0,89 kg. Length: 2 m. GOST R EN 358-2008 GOST R EN 362-2008

6.757 ABF001 KEVLAR (ABF0

ABF001 KEVLAR (ABF001) fireproof lanyard with shock absorber

Recommended for use when performing hot works at height: welding, metal cutting, etc.

Distinguishing features: polyamide Kevlar braided cord with a built – discontinuous belt shock absorber in the refractory cover.

Weight: 1,36 kg. Length: 2 m. GOST R EN 355-2008 GOST R EN 362-2008

6.779

ABF002 KEVLAR (ABF002) fireproof lanyard with shock absorber

Recommended for use when performing hot works at height: welding, metal cutting, etc.

Distinguishing features: polyamide Kevlar braided cord with a built – discontinuous belt shock absorber in the refractory cover.

Weight: 1,36 kg. Length: 2 m. GOST R EN 355-2008 GOST R EN 362-2008

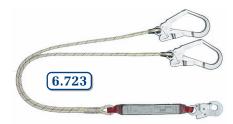
6.756

LFS101 (LFS101) fireproof lanvard

Used in conjunction with a safety tether during works at height.

Distinguishing features: polyamide Kevlar braided cord

Weight: 0,94 kg. Length: 2 m. GOST R EN 358-2008 GOST R EN 362-2008









6.723

ABS212 (ABS212) double lanyard with shock absorber

Recommended for use during works at height. Sling allows easy movement on metal structures, scaffolding, ladders, etc.

Distinguishing features: sling with a shock absorber, made of polyamide braided cord with tread wear indicator.

Weight: 1,85 kg. Length: 2 m. GOST R EN 355-2008 GOST R EN 362-2008

6.731

ABE001 (ABE001) safety lanyard

Recommended for use when performing works at height

Distinguishing features: stretchable polyamide safety strop. Polyamide cover increases the durability of the sling and protects from external hostile environments.

Weight: 1,05 kg. Length: 2 m.

GOST R EN 355-2008 GOST R EN 362-2008

6.740

STOPLINE (STL002) seizure on the anchor line

It is recommended for use on inclined or horizontal planes (roof, platform).

Distinguishing features: slide-type locking device on a flexible anchorage line with built-in belt shock absorber and carbine.

Weight: 2,8 kg.

The diameter of the anchor line: 12 mm. The length of anchor line: 20 m. GOST R EN 353-2-2007

6.775

Elastic lanyard **ABE002** (ABE002) with shock absorber

Ror use in conjunction with a safety tether during works at height.

Distinguishing features: polyamide cover increases the strength of the lanyard and protects from aggressive environments.

The shock absorber is protected by a shrink-wrap for good visual control. Two carbines.

Weight: 1,35 kg Length: 2 m.

GOST R EN 355-2008 GOST R EN 362-2008









6.802 ABE212 (ABE212) double elastic lanyard with shock absorber

Ror use in conjunction with a safety tether during works at height.

Distinguishing features: sling allows easy movement on metal structures, scaffolding, ladders, etc. Polyamide cover increases the strength of the lanyard and protects from aggressive environments.

The shock absorber is protected by a shrink-wrap for good visual control. Two carbines.

Weight: 1,85 kg. Lenght: 2 m. **GOST R EN 355-2008**

GOST R EN 362-2008



GRIPSTOP 2,25 (GRL001) locking mecha-

The ideal solution for work at a low height – replacing 2 m traditional backup cord.

Locking mechanism with automatic tape return. Builtin shock-absorbing element acting on the principle of safety belt in a car reduces the load on the human body at the time of the fall. Reducing requirements for the height of free fall due to rapid setting of the brake mechanism.

Weight: 1,37 kg. Lenght: 2,0 m. **GOST R EN 360-2008**



6.773 Retractable fall arrest block GRIPLIGHT 6 (GRL006)

Designed for fall protection for outdoor or harsh environmental conditions, in confined spaces: manholes, tanks, wells, as well as hot work, work with aggressive substances. High strength nylon composite housing withstands the most severe operating conditions. The unique design of the unit with side tape location reduces the amortization of the housing providing a smooth cable movement with the lower tension. Locking device with Kevlar and polyamide coated cable has a high-speed braking system. Braking system is activated when the cable speed exceeds 1,5 m/s. Highly visible load indicator. The unit can be repaired.

Lenaht: 6 m. Weight: 1,7 kg. **GOST R EN 360-2008**



Retractable fall arrest block with the steel

6.763 Gripstop 6 (GRS006) The length of steel cable – 6 m. Weight: 5,5 kg.

6.742 Gripstop 10 (GRS010) The length of steel cable – 10 m.

6.764 Gripstop 15 (GRS015)

The length of steel cable – 15 m. Weight: 6.5 kg.

Weight: 6,3 kg.

Designed for fall protection for outdoor or harsh environmental conditions, in confined spaces; manholes, tanks, wells, as well as hot work, work with aggressive

Distinguishing features: locking device with retractable galvanised steel cable giving strength and corrosion resistance. The unit can be repaired. Approved for use with ABM001 sling in horizontal position. Braking system is activated when the cable speed exceeds 1.5 m/s.

Diameter of steel cable - 4,0 mm. **GOST R EN 360-2008**



Retractable fall arrest block with the steel

6.765 Gripstop 25 (GRS025)

The length of steel cable – 25 m. Weight: 11,9 kg.

6.766 Gripstop 30 (GRS030) The length of steel cable – 28 m.

Weight: 12 kg.

Designed for fall protection for outdoor or harsh environmental conditions, in confined spaces: manholes, tanks, wells, as well as hot work, work with aggressive

Distinguishing features: locking device with retractable galvanised steel cable giving strength and corrosion resistance. The unit can be repaired. Approved for use with ABM001 sling in horizontal position. Braking system is activated when the cable speed exceeds 1.5 m/s.

Diameter of steel cable – 4.0 mm. GOST R EN 360-2008

Fall protection equipment



6.737

6.737 SZA011 (SZA011) oval carabiner

For secure attachment to safety belt or any component of personal fall arrest systems

Distinguishing features: screw-lock anodized carabiner. Lightweight and easy to use.

Opening: 18 mm. **GOST R EN 362-2008**





6.727

6.727 SZT011 (SZT011) oval carabiner

For secure attachment to safety belt or any component of personal fall arrest systems

Distinguishing features: automatic anodized carabiner. Lightweight and easy to use.

Opening: 18 mm. **GOST R EN 362-2008**





6.741 SK-TEC rope grab (STL040)

Increased resistance to aggressive environments. Rope grab automatically follows you, and locks the rope grab onto the lifeline in case of a fall. Used for work at height while moving up and down lifeline in the vertical position.

Weight: 0,33 kg. **GOST R EN 353-2-2007**

Sling sleeve anchorage system

6.738 **SLP110** (SLP110)

Diameter: 12 mm. Lenght: 10 m. Weight: 1,20 kg.

6.726 **SLP120** (SLP120)

Diameter: 12 mm. Lenght: 20 m. Weight: 2,40 kg.

6.772 **SLP140** (SLP140)

Diameter: 12 mm. Lenght: 40 m. Weight: 4,8 kg.

6.753 **SLP210** (SLP210)

Diameter: 14 mm. Lenght: 10 m. Weight: 1,45 kg.

6.776 SLP220 (SLP220)

Diameter: 14 mm. Lenght: 20 m. Weight: 2,85 kg.

6.829 SLP230 (SLP230)

Diameter: 14 mm. Lenght: 30 m. Weight: 4,30 kg.

Used as a part of PPE set for secure work at height for temporary anchoring around a rigid support: telecommunications facilities, transmission towers, masts, towers, during the work on the facades of skyscrapers and construction sites.

Distinguishing features: anchorage system with thimbles and wear indicator

Material: polyamide. **GOST R EN 353-2-2007**



SZA912 (SZA912) strap rinas

Connecting device for fixing a personal fall arrest system to an anchorage point, for example, to a pipe, rail, beam, crossbar etc.

Lenght: 1,20 m. **GOST R EN 362-2008**



6.759 SZA903 (SZA903) strap

Connecting device for fixing a personal fall arrest system to an anchorage point, for example, to a pipe, rail, beam, crossbar etc.

Lenght: 0,30 m. **GOST R EN 362-2008**



PREE EC



Equipment bag for storage and transportation. Made of thick wearresistant waterproof PVC material. Lenaht: PVC.

Color: blue, yellow, red.

6.728







Hand protection

The use of hand protection is a necessary measure to prevent hazardous factors and protect hands of workers against adverse effects. A wide range of safety gloves presented in our catalogue will help you to choose an effective hand protection against a

variety of risks in workplace: mechanical impacts, contact with aggressive environments, work in extreme climatic conditions or special

Our partners are the leaders in development and manufacture of protective gloves.

"Technoavia" is the official distributor of world leaders products: Ansel, RS, Rubberex, UVEX, Honeywell offering high quality materials, modern technologies, and ensuring reliable hand protection.

List of Russian State Standards and European standards, regulating hand protection requirements:

GOST R 12.4.246-2008 Occupational safety standards system. Personal protective means of hands. Gloves. General technical requirements. Test methods.

GOST 12.4.010-75 Special gauntlets. Specifica-

GOST 12.4.183-91 Materials for means of hands protection. Specifications.

GOST 12.4.105-81 Fabrics and materials for welders' working clothes. General specifications.

GOST 12.4.002-97 Vibration protection means for hands. Technical requirements and test meth-

GOST 5007-87 Knitted gloves. General specifi-

GOST 20176-84 Fur gloves and mittens. General specifications.

GOST 12.4.124-83 Means of static electricity protection. General technical requirements.

GOST 20010-93 Industrial rubber gloves. Specifications.

GOST R EN 374-2009 Occupational safety standards system. Personal protection of hands. Protective gloves against chemicals and micro-organisms. General technical requirements. Methods of testing.

GOST R EN 388-2009 Occupational safety standards system. Personal protective means of hands. Protective gloves against mechanical risks. Technical requirements. Test methods.

GOST R EN 407-2009 Occupational safety standards system. Personal protective means of hands. Protective gloves from heat thermal and fire. Tecnical requirements. Test methods.

EN 388 Protective gloves against mechanical

EN 374 Protective gloves against chemicals and micro-organisms.

EN 407 Protective gloves against thermal risks (heat and/or fire).

EN 511 Protective gloves against cold.

EN 421 Protective gloves against ionizing radiation and/or radioactive contamination.

EN 1149 Electrostatic properties.

EN 420 General requirements.

Selection of protective gloves diagram:

Measuring the hand for correct fit will give the employee the best possible protection and comfort without compromising the safety of the wearer.

To find the correct glove size, you will want to measure around the hand (see the picture) with a tape measure. See the chat for numerical and lettered sizing relation. Please note that size measurements can differ from the standard size chart below. For example, some workers have long fingers, and others have short fingers and they can choose smaller or bigger size than the measured one to ensure a comfortable and secure fit.

Six hand sizes were identified in accordance with the anthropometric studies conducted in different countries

	Sizes	6	7 (S)	8 (M)	9 (L)	10 (XL)	11
	Circumference (mm)	152	178	203	229	254	279
	Length (mm)	160	171	182	192	204	215

Explanation of diagram (danger types)











tion







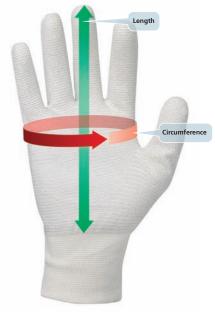
electricity





and cuts

Heat



HyFlex® Ansell Best Seller

HyFlex® glove range is ergonomically designed to provide an ideal balance of comfort, protection, dexterity and grip in jobs that require precision handling of small and delicate parts.

Use of innovative technologies and advanced materials and coatings allow to combine comfort with cut resistance, oil resistance, excellent oil and wet grip.

11-627 (art. num. 7.497) Cut Protection 11-920 (art. num. 7.498) Excellent grip

and strong oil repellence

ity and tactility. • Assembly and finishing, quality control, maintenance. • Comfortable fit, all-day comfort and the grip.

Designed for use in light oil environments and

• Good mechanical protection, excellent dexter-

HyFlex® 11-900

where dexterity comes into play.

Ansell

HyFlex® 11-800

Balance of grip, comfort, protection and general handling performance for varied applications that demand increased versatility.

- Multi-purpose protection glove. The best solution for precision assembly and handling.
- Nitrile foam glove provides comfort, mobility and protection.
- ZonzTM Knit Technology to reduce hand fatigue by providing stress release in the knuckle area.
- With increased comfort and fit comes higher worker acceptance and user compliance.
- Improved visual look with new markings.

HyFlex® 11-800

(art. num. 7.388)

(art. num. 7.390) Oil-repellence

11-900





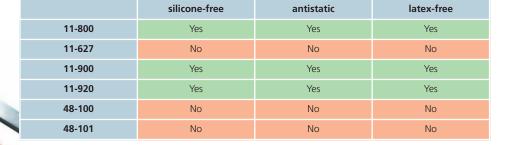
48-101

(white, art. num. 7.456) (black, art. num. 7.480) Precise operations and comfort

HyFlex® 11-627

Superb cut resistance and excellent dexterity.

- Excellent choice when working with sharpedged materials and tools in dry or slightly oily environments.
- Gloves feature Dyneema® liner for exceptional cut rersistance. Cut protection rating: EN 388, level 3.
- Good grip and abrasion resistance.
- Lycra® fiber and polyurethane coating provide exceptional flexibility and fit.



HyFlex® 11-920

Combination of excellent grip and strong oil-repellence.

- Assembly and finishing, quality control, maintenance.
- Ansell Grip TechnologyTM. Microscopic channels in the glove coating guide away the oil resulting in a secure glove-to-surface contact.
- Protects skin from oil contamination.
- Outstanding fit, all-day comfort and dryness.

SensiLite® 48-100 48-101

Designed for light applications that require good levels of comfort and abrasion resistance.

- Assembling, inspecting and packing small components.
- Precise handling of small objects in dry environments.
- Superb mobility and dexterity.







gall

Protective gloves against mechanical risks



7.007

Knitted gloves "City" with spot PVC coating (Class 13)

"City" gloves offer superior quality than traditional Class 7, 10 gloves. Have increased resistance to abrasion and tear and may serve much longer than conventional gloves. Seamless, do not rub hands, comfortable to wear, modern design.

Protective glove provide protection against mechanical risks in dry environment, insure comfortable grip.

Applications: warehouse, construction, cargo handling, packaging, etc.

Features: seamless knitted gloves with spot polyvinyl chloride coating. Knitting class 13.

Composition: 75% cotton, 25% polyester.

Weight: 45 g one pair. **Size:** 7, 8, 9.

GOST R 12.4.246-2008



7.028 Gloves "Grif"

Designed for hand protection against mechanical impacts. Made of cotton and polyester yarn (cotton – not less than 70%) with spot PVC coating providing good grip. Knitting class 13.

Weight: 47 g one pair.

Size: 8

GOST R 12.4.246-2008



7.004

Knitted gloves "Techno" (Class 10)

Spot PVC palm coating providing safe grip and high wear resistance. For better adhesion and higher wear resistance the top quality material is used. Knitting class 10. Made of cotton and polyester yarn (cotton – not less than 80%).

Weight: 63 g one pair. Size: 7, 9.

GOST R 12.4.246-2008



7.006

Knitted cotton gloves "Volna" with spot PVC coating (Class 10)

Thicker and more wear-resistant than model 7.002, knitted cotton gloves are made on Class 10 knitting machines, provide good hand sensitivity and safe grip. Made of cotton and polyester yarn (cotton – not less than 80%).

Weight: 48 g one pair.

Size: 7, 8.

GOST R 12.4.246-2008



7.002

Knitted cotton gloves with spot PVC coating (Class 7)

Intended for hand protection against mechanical impacts, spot palm coating provides comfortable grip and high wear resistance. Knitting class 7. Made of cotton.

Weight: 57 g one pair.

Size: 18, 20.

GOST R 12.4.246-2008



7.001

Knitted cotton gloves (Class 7)

Intended for hand protection against general production pollution and mechanical impacts.

Made of cotton.

Knitting class 7.

Weight: 45 g one pair.

Size: 18, 20.

GOST R 12.4.246-2008

Protective gloves against mechanical risks



7.003

Knitted cotton gloves with latex palm coating

Intended for hand protection against mechanical impacts, latex palm and fingertips coating provides good grip and improves wear resistance. Knitting class 13.

Size: 8.

GOST R 12.4.246-2008



7.101

Cotton gauntlets with spot PVC coating

Intended for hand protection against mechanical effects, spot palm coating provides comfortable grip.

Fabric: durable cotton fabric (density 235 g/m²) Palm fabric: cotton with spot PVC coating.

Size: 2.

GOST 12.4.010-75 GOST 12.4.183-91



7.005

Knitted gloves with double latex palm coating

Intended for hand protection against mechanical impacts, double latex palm and fingertips coating provides good grip and improves wear resistance. Knitting class 13.

Size: 8.

GOST R 12.4.246-2008



7.111

Cotton gauntlets with tarpaulin palm patch

Intended for hand protection against mechanical impacts and abrasion

Fabric: durable cotton fabric, density 235 g/m². Palm fabric: tarpaulin, density 380 g/m².

Size: 2.

GOST 12.4.010-75 GOST 12.4.183-91



7.091

Cotton double palm gauntlets

Intended for hand protection against mechanical impacts in different industries and agriculture.

Fabric: durable cotton fabric (density 235 g/m²).

Size: 2.

GOST 12.4.010-75 GOST 12.4.183-91



7.121 🖶 💩

Tarpaulin gauntlets

Gloves for welding works, for hand protection against mechanic impacts during working with rough and rigid sur-

Fabric: tarpaulin (density 480 g/m²) with fire-proof coating. **Size:** 2.

GOST 12.4.010-75 GOST 12.4.183-91

7.131

Tarpaulin gauntlets with tarpaulin palm patch GOST 12.4.010-75 GOST 12.4.183-91



(F) A11

Protective gloves against mechanical risks



RUBBEREX



Ansell

Gloves with spot PVC coating. Made of new polyamide fiber. Intended for optimum work with dry objects requiring hand protection against mechanical impacts and safe grip of object. Replacement of cotton gloves with 5 to 1 ratio in favor of "Fiber Tough".

Size: 7, 8, 9, 10. GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388, EN 420



7.051 💆 Gloves "Cross"



Used for glass works, provide good grip on smooth and slippery surfaces. Provide protection against mechanical impacts. Made of knitted fabric with PVC grid coating.

Size: 9, 10. GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388. EN 420



New generation gloves made by seamless knitting method. Perfect for working with damp, slippery objects, as corrugated latex coating removes the water got between the glove and the object contact surface, providing a safe grip. Good for use at building work, motor car construction, handling operations and for general industrial application.

Size: S (7), M (8), L (9), XL (10). GOST R 12.4.246-2008 GOST R EN 388-2009





7.399 (Figure 1997) Gloves "Gladiator" Knitted wrist (16-500)

Ansell

Relief rubberized coating over knitted lining. Crinkle finish provides excellent wet and dry grip on slippery surfaces, protects the hand from sharp edges. For use in construction, glass industries, utilities, general industrial use.

Size: 7, 8, 9, 10. GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388, EN 420

Protective gloves against mechanical risks



7.031 Gloves "Greifer"

Provide protection against mechanical effects and general industrial pollution. For good grip on smooth and wet surfaces. Base: cotton fabric with corrugated latex coating. To be used for working with metal, glass, ceramics and other sharp-edge materials.

Size: 10.

GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388 EN 420



7.041

Combination working gloves

Intended for hand protection against mechanic effects during working with rough and hard surfaces. Made of cotton fabric combined with leather split.

Size: 10.

GOST R 12.4.246-2008 GOST R EN 388-2009



7.191 Leather gloves Comfortable gloves made of natural leather, no lining. **Size:** 23 (8,5), 24 (9), 25 (9,5), 27 (10). Not to be certified according to GOST R



7.042 "Super B" combination split gloves, reinfo Intended for hand protection against rubbing, punctures, cuts. Reinforced leather split patches on palm and backside. Ideal for any jobs involving sufficient mechanical loads.

Size: 10.

GOST R 12.4.246-2008

GOST R EN 388-2009 EN 388 EN 420



7.037 Leather gloves "Fahrer"

Multipurpose gloves for a wide range of applications. To be used for hand protection against mechanical effects. Made of cowhide full leather (thickness $0,6-0,8\,$ mm), without lining. Provide excellent finger sensitivity and good grip. Comfortable to wear.

Size: 10. GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388 EN 420



7.043 5 gloves

Multipurpose gloves for a wide range of applications. To be used for hand protection against mechanical effects. Base: thick cotton fabric. Palm and finger working surface made of strong and at the same time soft leather (thickness 0,9 – 1,1 mm). Inside palm – lining of soft material for comfort.

Size: 10.

GOST R 12.4.246-2008 **GOST R EN 388-2009** EN 388 EN 420







Protective gloves against mechanical risks



7.034 Gloves "Vidder"

Multipurpose gloves, wide range of applications. To be used for jobs involving substantial mechanical loads. Base: thick cotton fabric. Palm and finger working surface made of specially dressed strong leather. Inside palm – lining of soft material for comfort.

Size: 10, 11.

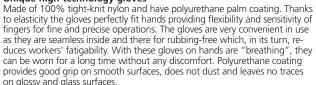
GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388, EN 420



7.389 🔄

Gloves "Ultratech"

Unique high-technology gloves



Gloves "Ultratech" are ideal for electronic industry where handling of especially small parts is involved, for furniture-making, motor-car and glass indus-

Size: S (7) – red bound edge, M (8) – yellow-green bound edge, L (9) – brown bound edge, XL (10) - black.

GOST R 12.4.246-2008, GOST R EN 388-2009, EN 388, EN 420



(48-101)

Multipurpose nylon gloves with polyurethane coating for protection against mechanical effects. To be used for work with light objects requiring comfortable and wear-resistant gloves. Flexible, fit the hand tightly enabling he user to handle especially small objects. Black lining and cover make the gloves suitable for use in relatively polluted environments. Intended for works involving assembling of small parts (small bearings, hinges and springs) in all the industries.

Ansell

Size: 7, 8, 9, 10.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420



7.036

Antistatic gloves "Conductor"

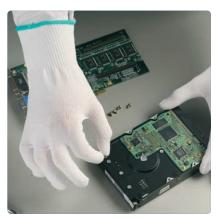
Machine knitted gloves, made of 100% nylon with a copper thread giving antistatic properties. Thanks to elasticity the gloves perfectly fit hands providing flexibility and sensitivity of fingers for fine and precise operations. The gloves are very convenient in use as they are seamless inside and there for rubbing-free which, in its turn, reduces workers' fatigue. Polyurethane coating provides good grip on smooth surfaces, does not dust and leaves no traces on glossy and glass sur-

Applications: electronic engineering, automobile industry, furniture production, glass industry.

RUBBEREX

Size: 7, 8, 9, 10.

GOST R 12.4.246-2008, GOST R 12.4.124-83 GOST R EN 388-2009, EN 388, EN 420 Antistatic property according to EN 1149



7.033 "Hi-Tech" gloves

Thin nylon gloves for precision works where special finger sensitivity is required. Made of nylon, knitting class 15. Fields of application: packing, motor-car industry, electron-

Size: S (7) – blue bound edge, M (8) – orange bound edge, L (9) - green bound edge, XL (10) - purple bound

GOST R 12.4.246-2008 **GOST R EN 388-2009** EN 388, EN 420



7.372

Fisherman's gloves "Orange"

Intended for handling frozen food products during packing, sorting and fish and seafood processing. Made of natural latex. Water resistant. Provide safe grip and no slipping thanks to relief palm surface. Cotton fabric lining provides maximum comfort and acts as thermal isolating layer. Antibacterial treatment. Resistant to acids, alcohols and alkalis (60-70% concentration).

Size: 8, 9, 10, 11, GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 374, EN 420



with nitrile palm coating Knitted cuff

Oil- and gasoline-resistant gloves are designed for rough handling and heavy work. Protect hands from direct contact with sharp edges or abrasive surfaces. Nitrile coated with soft jersey liner. High quality nitrile coating on a jersey on. A special anti-bacterial treatment Actifresh™ prevents bacteria growth, eliminates odors and skin irritation. Fields of application: fuel filling stations, transportation of oil and gas, cleaning operations of oil and gas installations, oil pumping, construction.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420



7.381 💆 💆 Ansell Gloves "Hycron" with nitrile palm coating (27-600) Knitted cuff

Oil- and gasoline-resistant, highly durable elastic gloves. Intended for working with rough and hard surfaces, provide protection against punctures and cuts. The analogue of KR gauntlets, have 6–7 times superior wearing period, 12–15 times superior in durability to canvas gauntlets. Perfect for handling abrasive materials, such as mouldings, forged products and bricks. Treated with special compound preventing hand skin irritation. Antistatic. For use in oil, gas, chemical industries, construction and transport. Three times more durable than traditional gloves. Base material – cotton jersey. Nitrile coating.

Size: 8, 9, 10, 11.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420



7.463 Gloves "Zirkon 500" fully nitrile coated

Knitted cuff

Oil- and gasoline-resistant gloves are designed for rough handling and heavy work. Protect hands from direct contact with sharp edges or abrasive surfaces. Nitrile coated with soft jersey liner. High quality nitrile coating on a jersey on. A special anti-bacterial treatment Actifresh™ prevents bacteria growth, eliminates odors and skin irritation. Fields of application: fuel filling stations, transportation of oil and gas, cleaning operations of oil and gas installations, oil pumping, construction.

Size: 10.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420



7.382 Gloves "Hycron" fully nitrile coated (27-602) Knitted cuff

Oil- and gasoline-resistant, highly durable elastic gloves. Intended for working with rough and hard surfaces, provide protection against punctures and cuts. The analogue of KR gauntlets, have 6–7 times superior wearing period. 12–15 times superior in durability to canvas gauntlets. Perfect for handling abrasive materials, such mouldings, forged products

Ansell

Ansell

Treated with special compound preventing hand skin irritation. Antistatic. For use in oil, gas, chemical industries, construction and transport. Three times more durable than traditional gloves. Base material – cotton iersey. Nitrile coating.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420



7.464 Gloves "Zirkon 800" fully nitrile coated

Oil- and gasoline-resistant gloves are designed for rough handling and heavy work. Protect hands from direct contact with sharp edges or abrasive surfaces. Nitrile coated with soft jersey liner. High quality nitrile coating on a jersey on. A special anti-bacterial treatment Actifresh™ prevents bacteria growth, eliminates odors and skin irritation. Fields of application: fuel filling stations, transportation of oil and gas, cleaning operations of oil and gas installations, oil pumping, construction.

Size: 10.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420



7.383 Gauntlets "Hycron" fully nitrile coated (27-805)

Oil- and gasoline-resistant, highly durable elastic gauntlets. Intended for working with rough and hard surfaces, provide protection against punctures and cuts. The analogue of KR gauntlets, have 6–7 times superior wearing period. 12–15 times superior in durability to canvas gauntlets. Perfect for handling abrasive materials, such as mouldings, forged products and bricks.

Treated with special compound preventing hand skin irritation. Antistatic. Used in oil, gas, chemical industries, construction and transport. Three times more durable than traditional gloves. Base material – cotton jersey. Nitrile coating.

Size: 9, 10, 11.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420





Protective gloves against mechanical risks resistant to oils and petrochemicals



7.395 💆 🔄

Ansell

Gauntlets "Hycron" with nitrile palm cover (27-607)

Oil- and gasoline-resistant, highly durable elastic gauntlets. Intended for working with rough and hard surfaces, provide protection against punctures and cuts. The analogue of KR gauntlets, have 6-7 times superior wearing period. 12-15 times superior in durability to canvas gauntlets. Perfect for handling abrasive materials, such as mouldings, forged prod-

Treated with special compound preventing hand skin irritation. Antistatic. For use in oil, gas, chemical industries, construction and transport. Three times more durable than traditional gloves. Base material – cotton jersey. Nitrile coating. **Size:** 9, 10, 11.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420



7.386

Gauntlets "Opal 800" fully coated



Highly durable, oil- and gasoline-resistant, wear-resistant. Intended for working with rough and hard surfaces, suitable for handling abrasive materials, provide good grip on dry and oiled surfaces. Special high-quality nitrile coating rejects oil refining products, lubes and dirt.

Applications: works at filling stations, oil and gas transportation, aircraft industry, tank cleaning, oil and gas production, gas transit, construction.

One pair can replace 10 pairs of canvas gauntlets with palm patch.

Size: 10, 11,

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420



7.384 (Sloves "Opal 300" with nitrile palm coating. Knitted cuff

Highly oil- and gasoline-resistant, wear-resistant. Intended for working with rough and hard surfaces, suitable for handling abrasive materials, provide good grip on dry and oiled surfaces. Special high-quality nitrile coating rejects oil refining products. Jubes and dirt.

Applications: works at filling stations, oil and gas transportation, aircraft industry, tank cleaning, oil and gas production, gas transit, construction

One pair can replace 10 pairs of canvas gauntlets with palm patch.

Size: 10.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420



7.351 Gloves "Granat" with PVC



Oil- and gasoline-resistant gloves are perfectly resistant to oil and oil products. Recommended for use in handling oily and lubricated objects, machine servicing. Provide good grip of oiled surfaces. Made of high-quality two-ply PVC on knitted base.

Size: 10.

GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388 EN 420



7.385

Gloves "Opal 500" fully coated. Knitted cuff

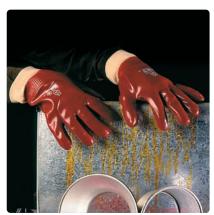
Highly oil- and gasoline-resistant, wear-resistant. Intended for working with rough and hard surfaces, suitable for handling abrasive materials, provide good grip on dry and oiled surfaces. Special high-quality nitrile coating rejects oil refining products, lubes and dirt.

Applications: works at filling stations, oil and gas transportation, aircraft industry, tank cleaning, oil and gas production, gas transit, construction

One pair can replace 10 pairs of canvas gauntlets with palm patch.

Size: 10.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 420



7.352

Gloves "Granat" fully coated

Oil- and gasoline-resistant gloves are perfectly resistant to oil and oil products. Recommended for use in handling oily and lubricated objects, machine servicing. Provide good grip of oiled surfaces. Made of high-quality two-ply PVC on knitted base.

Size: 10.

GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388 EN 420





Ansell

7.387 (5) (2) Gloves "Hylite" with nitrile palm coating (47-400)

Oil- and gasoline-resistant gloves feature resistance to abrasion, punctures and cuts in combination with elasticity and excellent grip on smooth surfaces. Nitrile coating. Cotton lining prevents hand skin irritation. Perfect for precision and fine operations in machine-building, construction, equipment maintenance, handling operations. These gloves are a better alternative to cotton, light- to mediumduty leather, and full leather gloves. **Size:** 7, 8, 9, 10.

GOST R 12.4.246-2008 **GOST R EN 388-2009** EN 388, EN 420





Oil- and gasoline-resistant nylon gloves with high-quality nitrile coating have high resistance to abrasion and mechanical effects in combination with elasticity and excellent grip on smooth surfaces. Cotton lining prevents hand skin irritation. Bright color provides extra safety at work. Perfectly suitable for precision fine operations.

Size: 8, 9, 10. GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388, EN 420



7.397 💆 💯 Gloves "Hylite" fully coated (47-402)

Ansell

Oil- and gasoline-resistant gloves feature resistance to abrasion, punctures and cuts in combination with elasticity and excellent grip on smooth surfaces. Nitrile coating. Cotton lining prevents hand skin irritation. Perfect for precision and fine operations in machine-building, construction, equipment maintenance, handling operations. These gloves are a better alternative to cotton, light- to mediumduty leather, and full leather gloves.

Size: 7, 8, 9, 10. GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388, EN 420



7.462 Gloves "Citrin"



Up-to-date oil- and gasoline-resistant gloves with nitrile coating. Feature perfect elasticity and excellent grip on smooth surfaces. Cotton lining prevents hand skin irritation. Intended for jobs requiring finger sensitivity: for precision and fine operations involved in assembly for machinebuilding, repair of devices and mechanisms, handling oper-

Size: 8, 9, 10. GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388, EN 420



7.398 Gloves "Hylite" fully coated (47-409)

Ansell

Oil- and gasoline-resistant gloves feature resistance to abrasion, punctures and cuts in combination with elasticity and excellent grip on smooth surfaces. Nitrile coating. Cotton lining prevents hand skin irritation. Perfect for precision and fine operations in machine-building, construction, equipment maintenance, handling operations. These gloves are a better alternative to cotton, light- to mediumduty leather, and full leather gloves.

Size: 8, 9, 10. GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388, EN 420



7.423



Gloves "NitriTec"

Oil-resistant nylon gloves with thin nitrile coating for handling oily parts, provide a safe grip, wear-resistant. Thin layer of nitrile coating guarantees maximum finger sensitivity and freedom of movement. Seamless glove does not rub the hand sore and makes working comfortable.

Size: 7, 8, 9, 10. GOST R 12.4.246-2008 **GOST R EN 388-2009** EN 388, EN 420





Ansell

Oil- and gasoline-resistant gloves, used for precision works in electronic, automotive industries. Elastic, envelop the hand tightly, enabling handling of especially small objects. Seamless lining does not rub the hands sore, prevents skin irritation. Glove has an exclusive foam nitrile coating that lets hands breathe. Antistatic. Base – nylon, coating –

Size: 7, 8, 9, 10, 11. GOST R 12.4.246-2008 **GOST R EN 388-2009** EN 388, EN 420



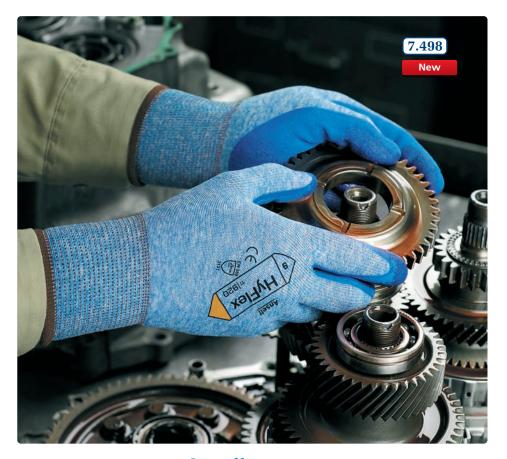
Ansell

7.485 💆 🖢 Gloves "Hvflex" (11-801)

Black foam nitrile coating on grav nylon liner.

Oil- and gasoline-resistant gloves, used for precision works in electronic, automotive industries. Elastic, envelop the hand tightly, enabling handling of especially small objects. Seamless lining does not rub the hands sore, prevents skin irritation. Glove has an exclusive foam nitrile coating that lets hands breathe. Antistatic. Base – nylon, coating – foam nitrile.

Size: 7, 8, 9, 10, 11. GOST R 12.4.246-2008 **GOST R EN 388-2009** EN 388, EN 420





Ansell

7.390 🗢 🔄 Gloves "Hyflex" (11-900)

Oil- and fat-resistant gloves for safe handling of lubricated metal, plastic and rubber parts. Thin layer of nitrile coating guarantees maximum finger sensitivity and freedom of movement. Knitted polyamide layer combined with nitrile coating provides flexibility and elasticity. Foam nitrile coating that lets hands breathe. Antistatic. Base – nylon, coating – nitrile.

Size: 7, 8, 9, 10. GOST R 12.4.246-2008 GOST R EN 388-2009 EN 388, EN 420



Ansell

Gloves "Hyflex" (11-920)

Protects skin from oil contamination and mechanical effects. Ansell Grip Technology™. Microscopic channels in the glove coating guide away the oil resulting in a secure glove-to-surface contact. Outstanding fit, allday comfort and dryness. Antistatic. Base – nylon, coating - nitrile. Fields of application: assembly and finishing, quality control, maintenance, work in the steel industry, production of light metal constructions.

Size: 7, 8, 9, 10, 11. GOST P 12.4.246-2008 GOST P EN 388-2009 EN 388 EN 420





9.517 (Gloves "Helix Foam" with the highest level of cut protection (60494)

Provide the highest level of cut protection. Highest level of abrasion resistance. Bamboo TwinFlex patented technology. A soft, comfortable bamboo thread gives a silky feel and perfect temperature control, combining with robust patented Dyneema fibers for high tear resistance. (The skin comes into contact only with the temperature regulating bamboo comfort fiber. Palm is coated with moisture-resistant High-Performance-Elastomer (HPE) and SoftGRip foam.

Applications: metal industry, automotive industry, glass industry.

GOST R 12.4.246-2008, GOST R EN 388-2009, EN 388



for wet areas (60492)

Provide the highest level of cut protection. Highest level of abrasion resistance. Bamboo TwinFlex patented technology. A soft, comfortable bamboo thread gives a silky feel and perfect temperature control, combining with robust patented Dyneema fibers for high tear resistance. (The skin comes into contact only with the temperature regulating bamboo comfort fiber. Palm is coated with moisture-resistant High-Performance-Elastomer (HPE) and SoftGRip foam. For use in very wet and

Applications: metal industry, automotive industry, glass industry.

GOST R 12.4.246-2008, GOST R EN 388-2009, EN 388







9.511 "Helix" sleeve (60491) UVEX

uvex

UVEX Profas Bamboo TwinFlex patented technology, A soft, comfortable bamboo thread gives a silky feel and perfect temperature control, combining with robust patented Dyneema fibers for high tear resistance. (The skin only comes into contact with the temperature regulating bamboo comfort fiber. Extremely comfortable anatomically shaped sleeves do not restrict movements. Velcro fastener. Protective properties: the maximum levels of protection: from cuts (5 max), abrasion (4 max).

Lenght: 40 cm. Color: lime.

GOST R 12.4.246-2008, GOST R EN 388-2009, EN 388, **Oko-Tex Standard 100**

7.497 Gloves "Hyflex" (11-627)

Superb cut resistance and excellent dexterity. Gloves feature Dyneema® liner for exceptional cut rersistance. Cut protection rating: EN 388, level 3. For handling abrasive or sharp-edged materials. Lycra® fiber and polyurethane coating provide exceptional flexibility and fit, for use in dry or slightly oily environments. Applications: glass industry, aviation industry, pressure die casting industries, assembly of metal parts and components, finishing.

Size: 7, 8, 9, 10, 11. GOST P 12.4.246-2008 **GOST P EN 388-2009** EN 388 EN 420



Cut resistant safety gloves



7.479

KEVLAR® anti-cut gloves "Protect"

Made of 100% Kevlar® (DuPont) terry cloth which gives high strength and unique protective properties. Seamless knitted gloves provide excellent protection against cuts of sheet metal, sharp objects, including glass, injuries, as well as heat up to 100°C. Lightweight, flexible, breathable gloves let you save hands sensitivity, perfect for working with small objects, provide an excellent dry and wet (oiled) grip. Long lifetime, do not change protective properties, shape and appearance after repeated industrial washings and / or dry cleaning. To be used in automotive industry, glass production, sheet metal work, packing and packaging. Knitting class 10.

Size: 7, 8, 9, 10.

GOST 5007-87, GOST 12.4.105-81



7.394 Gloves "Dinit"

The gloves are highly resistant to cuts. Finger and palm PU coating provides fine grip and mechanical strength. Seamless design guarantees tight fit enabling handling of the smallest objects. Made of Dyneema fiber manufactured by DSM, Netherlands. Spandex thread added to fiber enables stretching without shape losing

To be used when handling glass, abrasives, piercing and cutting materials, assembly.

Size: 7, 8, 9, 10.

GOST R 12.4.246-2008, GOST P EN 388-2009 EN 388, EN 420



7.531

Honeywell

Stainless steel metal mesh glove "Chainextra" Stainless steel metal mesh glove with interchangeable textile strap. External diameter of rings: 4 mm. Wire diameter

0,5mm. Glove is equipped with a tag to identify the user. Reversible model can be worn on the left or the right hand (just turn it inside-out). Lifetime is significantly increased due to the strength of stainless steel and resistance to any hygienic processing. Recommended for food industry.

Size: 6 - brown strap, 7 - green, 8 - white, 9 - red. 10 - blue, 11 - orange.

EN 1082-1, ISO 13999-01 Not to be certified according to GOST R



100% KEVLAR® sleeve protectors (70-122)

Protection of palm, wrist, forearm, elbow against cuts and high temperatures. Dense knit provides comfortable fit and retains shape all through application. Resistant to contact heat up to 100°C >15 sec (under EN

Material: two-ply 100% Kevlar® (DuPont) terry cloth. Fields of application: car-making, glass, metallurgy industries, machine-tools, sheet iron handling. Lenght: 559 mm.

Not to be certified according to GOST R EN 388, EN 407, EN 420

Ansell 6.416

100% KEVLAR® sleeve protectors (70-114)

Ansell

Protection of palm, wrist, elbow against cuts and high temperatures. Dense knit provides comfortable fit and retains shape all through application. Resistant to contact heat up to 100°C >15 sec (under EN 407). Material: two-ply 100% Kevlar® (DuPont) terry cloth. Fields of application: car-making, glass, metallurgy industries, machine-tools, sheet iron handling.

Lenaht: 356 mm.

Not to be certified according to GOST R EN 388, EN 407, EN 420





7.021 THE Half-woolen one-layer gloves

Protection against low temperatures. Can be used as a warming pad for the other models of gloves. **Fabric:** 75% wool.

Fabric: 75% wool 25% polyester. Size: 18, 20, 22. GOST 5007-87



7.161 Dulled gauntlets

Used in winter time for various jobs.

"Diagonal" fabric upper, density 245 g/m², heat insulator – cotton wadding, density 350 g/m².

GOST 12.4.010-75



Comfortable demi-season gloves made of natural leather with knitted half-woolen lining. **Size:** 23 (8,5), 24 (9), 25 (9,5), 27

(10).

Not to be certified according to GOST R



7.022 Half-woolen twolayer gloves Comfortable and

warm.
Fabric: 65% wool,
20% polyester,
15% PAN.
Size: 18, 20, 22.



7.171 Exceptible Fur gauntlets
Excellent protection against low temperatures.
Heat insulator – genuine sheepskin.

GOST 20176-84 GOST 4661-76 GOST 21790-2005



7.221 💆 🔄

Leather gloves with genuine fur (sheepskin) lining

Comfortable and very warm gloves made of natural leather with genuine lambskin lining. Perfect choice for protection against cold. **Size**: 24 (9), 25 (9,5), 27 (10).

Not to be certified according to GOST R





Excellent protection against low temperatures. Genuine sheepskin insulator, natural leather palm patch.

GOST 20176-84 GOST 4661-76 GOST 21790-2005



7.211

Leather gloves with virgin wool lining

Gloves made of natural leather with virgin wool lining.

Size: 24 (9), 25 (9,5), 27 (10). Not to be certified according to GOST R



7.023 Half-woolen gloves with spot PVC palm coating Size: 20. GOST 5007-87



7.141 😇 🐧 Woolen gauntlets

Made of dense and durable cloth (density 760 g/m², the wool content not less than 80%). Provide thermal protection, protection against low temperatures and unconcentrated acids (limited contact).

Size: 2. GOST 12.4.010-75



7.071

7.071 Combination warmth-keeping gloves "Iglu"

To be used for hand protection against general industrial pollution and mechanical effects during working in low temperature environments.

Upper material – durable natural leather combined with fabric. Insulated by simulation fur.

Size: 10.

GOST R 12.4.246-2008 GOST P EN 388-2009



Protective gloves against mechanical risks, cold resistant



7.035

Combination warmth-keeping gloves "Alaska" with Thinsulate® lining

To be used for hand protection against general industrial pollution and mechanical effects during working in low temperature environments.

Upper material – durable leather split combined with cloth.

Insulating liner: Thinsulate® 3M® (USA). Size: 10.

GOST R 12.4.246-2008, GOST P EN 388-2009 EN 388, EN 420, EN 511



7.044

Warmth-protective gloves "Stier Polar"

Multipurpose gloves of a wide application range. To be used for hand protection against mechanical effects during working in low temperature environments. Base: thick cotton fabric with fleecy lining. Palm and finger working surface made of strong and at the same time soft leather. Size: 10.

GOST R 12.4.246-2008 GOST P EN 388-2009 EN 388, EN 420, EN 511



7.222 😇 🔄

Warm-protective Thinsulate® - lined gloves made of knitted fabric and velour

Winter gloves, Made of knitted fabric (100% acryl), Palm and backside of gloves are reinforced with 0,7–1,0 mm thick leather velour patches. Lining – fleece.

Insulating liner: Thinsulate® 3M® (USA). Size: 22 (8), 23 (8,5), 24 (9), 25 (9,5). Not to be certified according to GOST R



7.400 (78-101)

Gloves for hand protection against cold under any climatic conditions. Made of Therma Stat fabric (DuPont). Its hollow fibers provide thermal isolation barrier between skin and surrounding environment, efficiently remove moisture from the skin providing warmth and comfort. No seams which means no rubbing and irritation. Can be washed (up to +40°C temperature). Used as main or underplayed gloves.

Ansell

Size: 7. 9. GOST R 12.4.246-2008 EN 388, EN 420, EN 511



7.223 💆 🖾
"Husky" winter gloves

Winter gloves made of melange beige-brown jersey (composition: 50% wool, 50% acryl). Palm parts strengthened with brown split leather patches (thickness: 0,55–0,75 mm). Lining – fleece.

Insulating liner: Thinsulate® 3M® (USA). **Size:** 22 (8–8,5), 24 (9–9,5), 27 (10). Not to be certified according to GOST R



Timberland Reg Gloves "Warm Effect" (20 555 07)

Durable and comfortable winter gloves in water-repellent goat leather for dexterity. Fully lined with thick soft jersey for warmth. Back made od nylon / Lycra® fabric for flexibility, laminated with water-repellent breathable membrane for added comfort. Long cuff (50 mm) made of woven nylon to keep the sleeve warm and dry. Convenient hook and ring to hang the gloves. Excellent abrasion resistance.

Size: 7, 8, 9, 10, 11. GOST R 12.4.246-2008 EN 388, EN 420, EN 511

Protective gloves against mechanical risks resistant to oils and petrochemicals, cold resistant



7.391 💆 🖲 Gloves "Polar II" **Knitted cuff**

Frost-resistant (up to -40°C), waterproof gloves with long knitted cuff, resistant to oils, fats and chemical agents. Retain flexibility under low temperatures thanks to polyurethane foam isolation.

Thick PVC layer applied to knitted base provides high durability and goof grip. Fleecy lining keeps the hands warm. Bright orange color provides extra safety in work. Size: 10.

GOST R 12.4.246-2008, GOST P EN 388-2009 EN 388, EN 511, EN 420



7.393

Ansell

Gauntlets "Winter Monkey Grip" (23-173)

Frost-resistant (up to – 35°C), oil- and gasoline-resistant gauntlets are extra resistant to wear, cuts, punctures. Corrugated surface provides good grip. Foam isolation enables the gauntlets to remain flexible under low temperatures. PVC coating repels oils and dirt. Fleecy lining keeps the hands warm. Size: 10, 11.

GOST R 12.4.246-2008 EN 388, EN 511, EN 420



7.373

Ansell

Gauntlets "Winter Monkey Grip" (23-193)

Frost-resistant (up to -35°C), oil- and gasoline-resistant gauntlets are extra resistant to wear, cuts, punctures. Smooth surface provides good dry grip. Foam isolation enables the gauntlets to remain flexible under low temperatures. PVC coating repels oils and dirt. Fleecy lining keeps the hands warm. Antistatic.

Size: 10, 11, GOST R 12.4.246-2008 EN 388, EN 511, EN 420



7.392 Gauntlets "Polar I"

Frost-resistant (up to -40°C), waterproof gauntlets, resistant to oils, fats and chemical agents.

Retain flexibility under low temperatures thanks to polyurethane foam isolation.

Thick PVC layer applied to knitted base provides high durability and goof grip. A special anti-bacterial treatment Actifresh™ prevents bacteria growth, eliminates odors and skin irritation. Fleecy lining keeps the hands warm. Bright orange color provides extra safety.

Lenght: 300 mm.

GOST R 12.4.246-2008, GOST P EN 388-2009 EN 388, EN 374, EN 511, EN 420



Ansell

7.475 學學堡 Gloves "Winter Monkey Grip" with knitted cuff (23-191)

Frost-resistant (up to -35°C), oil- and gasoline-resistant gauntlets are extra resistant to wear, cuts, punctures. Smooth surface provides good dry grip. Foam isolation enables the gauntlets to remain flexible under low temperatures. PVC coating repels oils and dirt. Fleecy lining keeps the hands warm. Antistatic.

Size: 10. 11.

GOST R 12.4.246-2008 EN 388, EN 511, EN 420



7.371 **Gauntlets "Duplo"**

Highly oil- and gasoline-resistant gauntlets, have also high resistance to fats, oils and petrochemicals. Roughened working surface provides perfect grip of wet and oiled surfaces. Made of high-quality multilayer PVC. Cotton lining provides extra comfort and thermal isolation. The gloves retain their protective properties even at low temperatures. Can be used in oil-refining industry, machine building, food and fish industries, at railways. Suitable for heavyduty work. Treated with special compound, preventing hand skin irritation. Antistatic.

Lenght: 400 mm.

GOST R 12.4.246-2008, GOST P EN 388-2009 EN 388, EN 374, EN 420, EN 1149



7.416

Gloves "Polar Grip" (23-700)

Warm winter gloves with hydrophobic turn-out liner which can be turned inside out for rapid drying. Outperform leather gloves in abrasive, low temperature applications. Rough-finish PVC coating provides unbeatable grip on wet and oiled surfaces. Water-repellent, resistant to salts and petrochemicals. Polyurethane foam liner provides comfort. Recommended for outdoor construction work, work in cold storage, utilities, outdoor work in low temperature environments up to -35°C.

Lenght: 275 mm.

Size: 9, 10.

GOST R 12.4.246-2008, EN 388, EN 511, EN 420







<u>uvex</u>

Safety gloves are suitable for contact heat up to +250°C, resistant to cold and cuts. Made of 100% cotton, are breathable, comfortable to wear. Sustain repeated washing. Recommended for molding shops, plastic making shops, working with hot objects, metal industry.

Lenght: 300 mm.

Size: 11.

GOST R 12.4.246-2008, GOST P EN 388-2009

EN 388, EN 407



7.474 🗢 💿 Gloves "**Mercury**" (43-113)

Ansell

Highly durable gloves are made of highly efficient heat-resistant (up to +700°C) Kevlar® fiber (DuPont).

Intended for protection against sparks, molten metal spit, scale, thermal radiation and free flame. Feature good resistance to cuts and abrasion. 100% cotton lining provides comfort. Recommended for working with hot glass, in molding shops, tire making and other jobs.

Lenght: 380 mm.

Size: 10, 11.

GOST R 12.4.246-2008 EN 388, EN 407, EN 420



7.422 💆 🕭 Gauantlets "Jumbo"

Provide protection against thermal actions, are resistant to cuts and abrasion. Provide protection against burns during short-time contacts with red-hot surfaces, against sparks and molten metal spit. Made of thick split, soft cotton lining inside, seams stitched with fireproof Kevlar® (DuPont) thread. Soft and comfortable. For use in welding, working with rough surfaces; can be used at cold temperatures.

Lenght: 380 mm.

Size: 10.

GOST R 12.4.246-2008, GOST R EN 388-2009

GOST R EN 407-2009 EN 388, EN 407, EN 420

Protective gloves against mechanical risks and thermal hazards



7.420 🗢 🔊

Designed for work in hot shops. Provide protection against thermal hazards, sparks and splashes of molten metal. Top-split leather (thickness: 1,0-1,4 mm, OST 17-463-75). Base – cloth, density – 760 g/m² (GOST 27542-87). Reinforced inside seams. Applications: steel industry, aluminum production, glass production.

Lenght: 375±10 mm. GOST 12.4.010-75 OCT 17-535-75



6.286

Gauantlets "Top Grade 7000" (60287)

Made of high quality cowhide leather (thickness 1,0±0,1 mm), without lining, seams are stitched with fireproof Kevlar® (DuPont) thread. Resistant to strong mechanical impacts: cuts, punctures and abrasion. To be used during welding.

uvex

uvex

Lenght: 350 mm. **Size:** 10, 11.

GOST R 12.4.246-2008 EN 388, EN 407, EN 420



7.412

Split gauntlets "Split"

Intended for protection against contact with hot surfaces, against sparks and splashes of molten metal. Made of leather split with cotton lining. Extra resistant to mechanical impacts. Used for welding, working with rough surfaces; can be used at cold temperatures.

Size: 11.

GOST R 12.4.246-2008, GOST R EN 388-2009 GOST R EN 407-2009, EN 388, EN 407, EN 420



6.287

Gauantlets "Top Grade 7200" (60297)

Intended for welders. Made of high quality cowhide leather (thickness 1,3±0,1 mm), cotton lining inside. Protection against splashes of metal and slag. Durable, resistant to strong mechanical impacts: cuts, punctures and abrasion. Recommended for molding shops, working with hot objects. metal industry.

Lenght: 350 mm. **Size:** 10, 11.

GOST R 12.4.246-2008 EN 388, EN 12447



7.411

Split gauntlets

Intended for hand protection during contact with hot surfaces, protection against sparks and splashes of molten metal. Made of leather split (thickness 0,9–1.2 mm)

Used during welding.

Size: 2.

GOST 12.4.010-75



7.374 💆 🖢 "WorkGuard" (43-216) gloves

Sturdy heat-resistant glove that offers high levels of protection against molten metal splashes and conductive heat. Made of tough-wearing split leather (thickness 1,2 mm), has a soft inner jersey palm lining, features a reinforced palm and Kevlar® (DuPont) seams that make it more durable

Good choice for a large number of applications requiring heat resistance, such as welding, intensive loading and unloading operations.

Lenght: 410 mm.

Size: 10.

GOST R 12.4.246-2008, EN 388, EN 407, EN 420



7.401

Canvas gauntlets

Intended for hand protection during contact with hot surfaces, against sparks and splashes of molten metal. Made of canvas treated with fire-retardant compound.

To be used during welding.

Size: 2.

GOST 12.4.010-75



Ansell





7.461

follows:

Ansell

Gloves "Vibraguard" (7-112)

Anti-vibration gloves reduce the effect of lowand high-frequency vibrations when using power tools and other vibrating machinery. According to the tests held in accordance with EN 10812 the gloves reduce the risks as

- Low-frequency vibrations (up to 31,5 Hz) - by 90%;
- Medium-frequency vibrations (from 31,5 to 200 Hz) - by 90%;
- High-frequency vibrations (from 200 to 1500 Hz) - by 42%.

Vibro-protective inside lining Gelform®, outside coating of oil- and gasoline-resistant nitrile protecting against mechanic effects; punctures. cuts, abrasion.

Applications: manual grinding, base crushing, earth auger application, working with chain saw, hammer, pneumatic tools, ram machine. Size: 9. 10. 11.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388, EN 10819, EN 420



7.465 Gloves "Vibrostat-01"



New generation anti-vibration gloves with liner made of special Airgel material. Gloves are made of natural water-repellent lather. Outer side is reinforced with leather and has vent holes allowing the hands to breath. Reinforced thumb. The seams are stitched with Kevlar® (DuPont) especially strong thread. Rigid cuff (10 cm) is fixed by elastic band preventing the spread of residual vibration further up the arm. Reduces hand fatigability. Multilayer structure for retaining heat at low temperatures. Applications: for working with electric, pneumatic, gas and hydraulic drive, for blank trimming and perforating.

Size: 11, 12.

GOST 12.4.002-97, GOST P EN 388-2009



7.151

Vibration resistant gauntlets "Vibroton"

Reduce harmful effect of low-frequency (up to 31.5 Hz) and medium-frequency (from 31.5 up to 125 Hz) vibrations, reduce the impact (by 90%) during working with manual tools (hammers, concrete breaker, drills, chipping hammers, wrenches, etc.) Thick canvas upper (density 380 g/m²) provides protection against mechanical impacts, vibration resistant lining (6 mm), made of Stepor material, soft flannel lining for comfort.

Size: 2.

GOST 12.4.002-97



Ansell 7.466 Half-finger gloves "Vibraguard" (7-111)

Anti-vibration gloves reduce the effect of lowand high-frequency vibrations when using power tools and other vibrating machinery. Vibro-protective inside lining Gelform®, outside coating is made of oil- and gasoline-resistant nitrile, protecting against mechanic effects: punctures, cuts. abrasion. Thanks to design features there is no need to remove a glove to do detailed work. Size: 9, 10.

GOST R 12.4.246-2008, GOST R EN 388-2009 EN 388. EN 420



Seamless nonconducting latex gloves

Intended for human protection against electrical shock the gloves are the main protective equipment for working at electrical installations of up to 1000 V voltage and an auxiliary isolator for working at electrical installations of more than 1000 V voltage.

Made of latex. Size: 2, 3, 4. TU 38.306-5-63-97

TU 38.106977-2004

9.504 Nonconducting latex gloves "Electrosoft", Class 0

Dielectric seamless gloves, Class 0, made of natural latex with high mechanical strength and resistance to petroleum products, acids and ozone. Maximum working voltage 1000 V. Tested at –40°C. Offer anatomical shaping for ease of movement, increased comfort and high protection level. The ergonomic shape and lightly powdered interior make the gloves easy to slip on and off.

Hypo-allergenic, have a very long life span.

Honeywell

Honeywell

Lenght: 360 mm. Size: 8, 9, 10, 11. GOST 12.4.246-2008

7.020 Nonconducting latex gloves "Electrosoft", Class 1

Dielectric seamless gloves, Class 1, made of natural latex with high mechanical strength and resistance to petroleum products, acids and ozone. Maximum working voltage 7500 V. Tested at –40°C. Offer anatomical shaping for ease of movement, increased comfort and high protection level. The ergonomic shape and lightly powdered interior make the gloves easy to slip on and off.

Hypo-allergenic, have a very long life span.

Lenght: 360 mm. **Size:** 8, 9, 10, 11. **GOST 12.4.246-2008**

Chemical protective gloves



7.081

RUBBEREX 7.081 ♥ ♥

Household gloves "Comfort" Made of 100% latex. Chlorinated sur-

face provides extra resistance to chemical compounds: acids (concentration up to 50%) and alkalis (concentration up to 40%). Application: general household and light industrial work. Hypoallergenic cotton-sputtered inside prevents hand skin irritation. Relief palm surface provides convenient grip. Vanilla-scented. Analogue ABB gloves type II.

Thickness: 0,4 mm. Size: S (7), M (8), L (9), XL (10). GOST R 12.4.246-2008 GOST R EN 388-2009 GOST R EN 374-2009

7.477 Gloves "Econohands" (87-190)

Ansell

Ansell

General-purpose latex industrial work glove with excelent sensitivity, for use in cleaning, maintenance and light assembly situations. Made of 100% latex. Cotton lined. Highly resistant to aqueous solutions, acids, alkalis. Analogue ABB gloves type II.

Thickness: 0,35 mm. **Lenght:** 305 mm. **Size:** 6,5–7, 7,5–8, 8,5–9, 9,5–10.

GOST R 12.4.246-2008, GOST R EN 374-2009 EN 374, EN 420



Gloves are highly resistant to many acids and alkalis (concentration up to 40%) and inorganic solvents. Made of 100% latex without filling material. Chlorinated for better resistance to chemical compounds. Hypoallergenic cotton-sputtered inside prevents hand skin irritation.

To be used for working in agriculture, at chemical plants, pharmaceutical enterprises for operations requiring finger sensitivity. Analogue ABB gloves type II.

Thickness: 0,40 mm. Lenght: 305 mm.

Size: 6,5–7, 7,5–8, 8,5–9, 9,5–10.

GOST R 12.4.246-2008, EN 388, EN 420, EN 374, Certified according to EN 421, as gloves giving protection from ionizing radiation and radioactive contamination

GOST R EN 374-2009 GOST R EN 388-2009







7.302 Gloves "Unitek"



Made of 100% natural latex, highly resistible to watersoluble inorganic acids (concentration up to 50%) and alkalis (concentration up to 40%). Chlorinated surface provides extra resistance to chemical agents. Antibacterial cotton-sputtered inside prevents hand skin irritation. To be applied for working with chemical solutions at industrial enterprises under medium heavy duty conditions, with chemicals in agriculture, for household activities involving use of detergents. Analogue ABB gloves type II.

Thickness: 0,45 mm. Lenght: 300 mm.

Size: S (7), M (8), L (9), XL (10).

GOST R 12.4.246-2008, GOST R EN 388-2009

GOST R EN 374-2009



7.271 Gloves "Extra"

Ansell

Provide high resistance to many acids (concentration up to 80%), and alkalis (concentration up to 40%), alcohols, fats and detergents in combination with mechanical strength. Chlorinated for better resistance to chemical compounds. Antibacterial cotton-sputtered inside prevents hand skin irritation. Made of 100% latex, without filling materials. Corrugated surface provides a safer grip. Suitable for heavy-duty jobs in various industries and agriculture. Analogue ABB aloves type I.

Thickness: 0,75 mm. Lenght: 320 mm.

Size: 6,5–7, 7,5–8, 8,5–9, 9,5–10, 10,5–11.

87-950 – black color. **87-955** – orange color.

GOST R 12.4.246-2008, GOST R EN 388-2009 GOST R EN 374-2009, EN 374, EN 388, EN 420



Ansell Gloves "Bi-Color Plus" (87-900)

Highly resistant to acids (concentration up to 80%) and alkalis (concentration up to 50%), salts, alcohols, inorganic solvents. Provide good grip on dry and wet surfaces. Made of latex and neoprene blend. Antibacterial cotton-sputtered inside prevents hand skin irritation. Relief surface provides convenient grip. Vanilla-scented. Suitable for assembly works in aircraft, chemical and electronic industries and in agriculture.

Thickness: 0.68 mm. Lenght: 323 mm.

Size: 6,5-7, 7,5-8, 8,5-9, 9,5-10, 10,5-11. GOST R 12.4.246-2008, GOST R EN 388-2009 GOST R EN 374-2009, EN 374, EN 388, EN 420 Certified according to EN 421, as gloves giving protection from ionizing radiation and radioactive contamination



7.304 🗗 🗓 😻 Gloves "Heavitek"

RUBBEREX

Made of 100% natural latex. Provide a high degree of protection in hard conditions. Combine mechanical strength and elasticity. Relief surface makes the grip of wet surfaces easier. Highly resistant to acids (concentration up to 80%) and alkalis (concentration up to 40%), alcohols and salts. Antibacterial cotton-sputtered inside prevents hand skin irritation. To be applied for heavy duty work with high concentration chemical solutions. Can be used for technical servicing of equipment at enterprises of chemical, oil, machine-building industries, in agriculture and pharmaceutics. Analogue ABB gloves type I.

Thickness: 0,70 mm. Lenght: 320 mm.

Size: S (7), M (8), L (9), XL (10).

GOST R 12.4.246-2008, GOST R EN 388-2009.

GOST R EN 374-2009



7.303 Gloves "Colortek"

RUBBEREX

Made of 100% natural latex, highly resistible to water-soluble inorganic acids (concentration up to 80%) and alkalis (concentration up to 40%). Antibacterial cotton-sputtered inside prevents hand skin irritation. Thanks to good grip provided can be used for working with wet and slippery surfaces. Suitable for application at chemical industry enterprises, aircraft manufacturing facilities, motor-car works and shipbuilding vards, in agriculture and in food industry. Thickness: 0.7 mm.

Lenght: 320 mm.

Size: S (7), M (8), L (9), XL (10).

GOST R 12.4.246-2008, GOST R EN 388-2009 **GOST R EN 374-2009**



7.301

ABB gloves, type II

Intended for hand protection against medium concentration (up to 20%) liquid acids and alkalis, salts, oils, free-flowing colorants. To be applied for precision jobs.

Thickness: 0.3 mm. Size: 7, 8, 9, 10.

GOST 20010-93, TU 38.306-5-59-95

7.291 ABB gloves, type I

Intended for hand protection against medium concentration (up to 20%) liquid acids and alkalis, salts, oils, free-flowing colorants. To be applied for rough jobs.

Thickness: 0,7 mm.

Size: 1, 2, 3.

GOST 20010-93, TU 38.306-5-59-95



Ansell

Perfect combination of mechanical strength and protection against chemical agents. Provide high resistance to acids (concentration up to 80%), and alkalis (concentration up to 40%), alcohols, organic solvents, oil refining products. Corrugated surface provides stable grip of dry and wet objects.

Made of high-quality nitrile. Antibacterial cotton-sputtered inside prevents hand skin irritation. Can be used in chemical and aircraft industries, petroleum refinery, metal working, for field painting. Have superior protective properties than butyl rubber gloves and oil- and gasoline-resistant gloves.

Thickness: 0,38 mm. Lenght: 330 mm. Size: 6, 7, 8, 9, 10, 11.

GOST R 12.4.246-2008, GOST R EN 388-2009 GOST R EN 374-2009, EN 374, EN 388, EN 420



7.321

Gloves "Neotop" (29-500)

Provide high resistance to acids (concentration up to 80%), and alkalis (concentration up to 40%). Provide protection against mechanical effects at medium duty work, have excellent elasticity (even at low temperatures) and strength. Made of neoprene. Antibacterial cotton-sputtered inside prevents hand skin irritation. Used in chemical industry, in agriculture, in oil refining, in technical servicing of equip-

Thickness: 0,75 mm. Lenght: 300 mm. Size: 7, 8, 9, 10, 11.

GOST R 12.4.246-2008, GOST R EN 388-2009 GOST R EN 374-2009, EN 374, EN 388, EN 420



7.323 🗗 🗓 🖲 Gloves "Super Nitrile"

RUBBEREX

Provide high resistance to acids (concentration up to 80%), and alkalis (concentration up to 40%), alcohols, organic solvents, oil refining products. High mechanical strength. Made of high-quality nitrile. Antibacterial cotton-sputtered inside for maximum comfort. Relief surface provides convenient grip. For use in chemical production, petroleum distillation, working with chemicals, for painting works, in construction.

Thickness: 0.38 mm. Lenght: 330 mm.

Size: S (7), M (8), L (9), XL (10).

GOST R 12.4.246-2008, GOST R EN 388-2009

GOST R EN 374-2009



7.332 🖢 🖲 🗓 Gloves "Neox" (9-912)

Ansell

Ansell

Chemical-resistant, oil-resistant, extra-strong gloves provide protection against acids and alkalis (up to 96%), wide range of oils, alcohols, many solvents. Suitable for working with hot liquids (up to 180°C), as well as with cold mediums (up to -25°C).

Made of neoprene. Used in chemical and metallurgy industries, for working with petrochemical products, in oil refining. Wearing period 7–8 times superior to KR gauntlet. Lenght: 305 mm.

Size: 10.

GOST R 12.4.246-2008 **GOST R EN 388-2009** GOST R EN 374-2009 EN 374, EN 388, EN 420



7.482

Ansell Gloves "Alfatek" (58-530)

Liquid-tight nitrile glove with surface providing damp grip, with uniform film and knitted lining. Enables the user to handle wet and slippery objects with less grip effort. Antistatic. Recommended for working with chemical agents (up to 80% - acids and up to 40% - alkalis) in graphic arts, motor-car construction, agriculture, aerospace industry.

Lenght: 305 mm. Size: 8, 9, 10.

GOST R 12.4.246-2008, GOST R EN 388-2009 GOST R EN 374-2009 EN 388, EN 374, EN 420



7.341

Gloves "Blue 30 J"



Chemical-resistant gloves. Resistant to wide range of chemicals. Mechanical-resistant and heat-insulating. Enables working with hot liquids. Made of latex, base – knitted cotton treated with special compound preventing hand skin irritation. For use in chemical, food, building industries.

Lenght: 300 mm.

Size: 7–7,5, 8–8,5, 9–9,5, 10–10,5.

GOST R 12.4.246-2008, GOST R EN 388-2009

EN 388, EN 374, EN 420





Chemical protective gloves



7.322 Gloves "Black Knight"

RUBBEREX

Provide high resistance to acids (concentration up to 80%), and alkalis (concentration up to 40%). Combine mechanical strength and elasticity. Retain fingers sensitivity. Safely protect the arms up to elbow. Fields of application: heavy industry, chemicals plants, agriculture, community services. Made of 100% latex.

Thickness: 0,8 mm. Lenght: 450 mm. Size: 8, 9, 10, 11.

GOST R 12.4.246-2008, GOST R EN 388-2009

GOST R EN 374-2009



9.506

uvex

Gloves "Profapren CF33" (60119)

Provide high resistance to acids and bases (up to 80%). High mechanical strength. Ergonomic design helps to repeat finger movements providing special comfort at work. Antibacterial cotton-sputtered inside prevents hand skin irritation providing maximum comfort. Fields of application: chemical industry, printing plants, petroleum distillation, metalworking.

Lenaht: 330 mm. Color: dark blue. Size: 7, 8, 9, 10. GOST 20010-93 EN 388, EN 374



7.181

Gauantlets NMSR+CR (42/HHK)

Provide excellent protection against water, unconcentrated acid solutions (up to 50%) and alkalis (up to 20%). petroleum products. Base – cotton fleece fabric. Nitrile latex crumb rubber modified coating provides mechanical strength, elasticity and frost resistance (up to – 40°C).

Size: 3.

GOST 12.4.010-75, GOST 12.4.183-91 TU 8578(2515)-001-48859507-2001

7.186

Inserts for NMSR+CR gauantlets

Insulated liner for low temperature applications. Composition: canvas fabric with cotton inserts around the liner, 70% wool.

Available to order

Disposable laboratory gloves



Gloves "Conform"



Ansell

7.2310 69-140 - starched.

7.2300 69-150 – starch-free, textured fingers. Analogue of laboratory anatomic gloves. Super elastic gloves, resistant to liquid acids, bases, alcohols and many small concentration chemical compounds. Can be used for handling food products. Dissymmetrical. Made of 100% latex. Applications: laboratory analysis, electronics industry, pharmaceutical industry.

Thickness: 0,12 mm.

Lenght: 240 mm.

Size: 5-6,5, 7-8,5, 9-10,5.

Packaged in a dispenser box for convenient handling. Sold by the Box.

Box - 50 pairs.

GOST R 12.4.246-2008, GOST R EN 374-2009

EN 374, EN 420



7.2320

Gloves "Blue Star"

Light elastic gloves, resistant to acids, alcohols and diluted solutions of many chemical compounds. Made of natural latex. Applications: laboratory analyses and works, assembly works in electronics industry, pharmaceutics. Starched.

Thickness: 0,12 mm. Lenght: 240 mm.

Size: S (7), M (8), L (9), XL (10).

Packaged in a dispenser box for convenient handling. Sold by

the Box.

Box - 50 pairs.

GOST R 12.4.246-2008

EN 374, EN 420



7.2330

Ansell Gloves "Neo-Touch" (25-101)

Made of neoprene. Provide excellent protection against acids. alkalis and alcohols, as well as against chemical reagent splash. Polyurethane inside makes putting gloves on much easier. Relief surface of finger tips provide safe grip. Higher resistance to punctures, good flexibility and stretchability. Powder-free. Applications: Pharmaceutical and chemical industries. Lab work and analyses, assembly works in the electronic industry, pharmaceutical industry.

Thickness: 0,13 mm. Lenght: 240 mm.

Size: 6,5–7, 7,5–8, 8,5–9, 9,5–10.

Packaged in a dispenser box for convenient handling. Sold by the Box.

Box - 50 pairs.

GOST R 12.4.246-2008, GOST R EN 374-2009

EN 374, EN 420



7.2410

Ansell

Gloves "Touch-N-Tuff" (92-500)

Very thin 100% nitrile gloves. 3–4 times more wear-resistant than latex and vinyl disposable gloves. Relief surface of finger tips provide safe grip. Recommended for laboratory works with organic solvents, oil refining products (benzol, kerosene), formalin, formaldehydes. Analogue of laboratory anatomic gloves. For use in laboratories, chemical and electronic industries, for complicated assembly works. Food contact approved. Starch-free.

Thickness: 0.12 mm. Lenght: 240 mm. Color: green.

Size: 6,5–7, 7,5–8, 8,5–9, 9,5–10.

Packaged in a dispenser box for convenient handling. Sold by the Box.

Box - 50 pairs.

GOST R 12.4.246-2008, GOST R EN 374-2009

EN 374, EN 420



7.5710 Size: S, M, L – 100 gloves per box.

7.5720 Size: XL – 90 gloves per box.

Thin nitrile gloves, feature textured fingertips that provide enhanced grip and dexterity. Approved for food handling. Recommended for use in the automotive industry, warehousing, engineering, food processing, catering. Very good price-quality ratio. Powder-free.

Thickness: 0,16 mm. Lenght: 240 mm. GOST 20010-93



7.2400 Touch-N-Tuff" (92-670) Ansell

Very thin 100% nitrile gloves. 3-4 times more wear-resistant than latex and vinyl disposable gloves. Food contact approved. Starch-free. Relief surface of finger tips provide safe grip. Recommended for laboratory works with organic solvents, oil refining products (benzol, kerosene), formalin, formaldehydes. Analogue of laboratory anatomic gloves. For use in laboratories, chemical and electronic industries, for complicated assembly works.

Thickness: 0,10 mm. Lenght: 240 mm. Color: light blue.

Size: 6,5–7, 7,5–8, 8,5–9, 9,5–10.

Packaged in a dispenser box for convenient handling. Sold by the Box.

Box - 50 pairs.

GOST R 12.4.246-2008, GOST R EN 374-2009

EN 374, EN 420



Gloves

"Kleenguard G20 Atlantic Green"

7.574 Size: S, M, L – 250 gloves per box.

7.575 Size: XL – 225 gloves per box.

Thin nitrile gloves, feature textured fingertips that provide enhanced grip and dexterity. Beaded cuff facilitates donning. Approved for food handling. Application areas: working with chemicals, paint work, agriculture, industrial assembly, food processing and pharmaceutical industries.

Thickness: 0,06 mm. Lenght: 240 mm.

GOST 20010-93, GOST R 12.4.246-2008



7.2510

Ansell Gloves "Dura-touch" (34-500)

High-quality vynil gloves. Feature the highest sensitivity among laboratory gloves. Fields of application: laboratory works, precision assembly, jobs involving paints, inks and dyes, hairdressing saloons, handling glues and gums, precious metal polishing.

Suitable for handling oil refining products, aqueous solutions of acids and bases, alcohols and food fats. Starched.

Thickness: 0.12 mm. Lenght: 240 mm.

Size: 6-6.5. 7-7.5. 8-8.5. 9-9.5.

Packaged in a dispenser box for convenient handling.

Sold by the Box.

Box - 50 pairs.

GOST R 12.4.246-2008, GOST R EN 374-2009

EN 374. EN 420



7.2520

Polyethylene gloves

Intended for use with food products of all categories, vegetable and animal fats. Powder-free. Reduce risk of pollution. Application: distribution of food, finishing operations of meat and fish processing, milk processing, confectionary packing

Thickness: 0,025 mm. Lenght: 300 mm.

Size: 9.

Packaged in a dispenser box for convenient handling. Sold by the Box.

Box - 50 pairs. GOST R 50962-96



Skin protection





We are glad to present skin protection, cleaning and care products manufactured by Evonik Stockhausen GmbH, the world leader in this field. These products are intended for workers subiected to harmful factors.



10004 "Travabon" 100 ml Hydrophilic protective cream

For hand skin protection and easy cleanout of oily and water-insoluble materials (lubes, oil, inks, lacquers, graphite, soot, fuel oil, glues, gums) and organic solvents (benzene, lacquer thinners, purifiers).

Reduces irritation caused by glass fiber microparticles.

GOST R 51391-99, GOST R 52343-2005

10003 "Travabon" 1000 ml

To be used with dispenser.



10002 "Stoko protect+" 100 ml Hydrophobic protective cream

For protection of hand, face and all body skin against water-based agents and solutions (using lubricoolants in metal production and working, glass and ceramic making, using disinfectants, cement, lime, fertilizers; laboratory works with chemical solutions of acids, alkalis, salts etc.) as well as for preventing consequences of sweating under gloves and closed protective wear.

GOST R 51391-99, GOST R 52343-2005

10011 "Stoko protect+" 1000 ml

To be used with dispenser.



Before work skin care

10061 "Stoko Universal" 100 ml The all-in-one skin protection product

Skin protection cream offers unique protection against a wide range of contaminants, both oil and water-based. Facilitates cleansing of the skin thus removing the need to use harsh and aggressive cleansers. The natural component forms a protective film on the skin. Contains natural wax. Does not contain silicone.

GOST R 52343-2005, GOST R 51391-99

10062 "Stoko Universal" 1000 ml

To be used with dispenser.



10025 "Stoko Emulsion" 250 ml Hydrophobic protective emulsion

Used for working under high humidity working conditions, in situations, where the skin is subject to light mechanic effects (effect of tools, glassfibre microparticles).

Prevents maceration of hand, face and all body skin, reduces consequences of sweating under protective wear (working clothes, gloves, rubber boots).

Provides easy cleanout of dyes used in printing and copying as well as of colorants contained in vegetables and fruit.

GOST R 52343-2005, GOST R 51391-99

"Shtoko Emulsion" 1000 ml

To be used with dispenser.



10021 "Arretil" 100 ml

Used for work involving the use of water-insoluble materials such as multy-component resins (epoxy, polyester), oils and lubes and also organic solvents (benzene, lacquer vehicles, cold purifiers). Protects face against harmful vapors in aluminum production and metallurgy.

GOST R 52343-2005 GOST R 51391-99



10050 "Stoko Frost Protect"

Skin protection cream when working in low temperatures. Unique silicone-free formula, protects hand and face skin against frostbites, cold stress, wind, snow and other adverse weather effects. For protecting open-air workers at temperature below -40°C against wind and snow. Specially selected highquality ingredients protect and care for the skin and help to maintain the skin's natural barrier. Can be applied outdoors 15 minutes before work

GOST R 51391-99 GOST R 52343-2005



10060 "Stoko UV 30 complete" 100 ml Provides a high level of UV protection!

The cream protects against UVA and UVB radiation, as well as effectively counteracts the risk of UVC spectrum, which often occurs during welding. Water-resistant, and thanks emulsifying substance, it also prevents sweating.

GOST R 52343-2005 GOST R 51391-99



10033 "Stoko Foot Care" 100 ml

Active feet protection against profuse sweating, odor, fungus

Spray for active feet protection against fungal infections, for preventing consequences of profuse sweating and odor nuisance after continuous wear of closed boots (protective footwear, rubber boots).

GOST R 51391-99 GOST R 51579-2000







10055

"Solopol" 200 ml

Hand cleaner with non-aggressive natural scrub-

Paste for hand cleaning off severe industrial dirt (oil. petroleum, fat, soot, graphite, metallic dust, lubes) containing natural abrasive (walnut shell powder), protective agent (sulfated castor oil) and purification system (natural oil and surfactant species).

GOST R 52345-2005, GOST R 51391-99

10006 "Solopol" 2000 ml

To be used with dispenser.



10005

"Slig spezial" 250 ml

Special paste for hand cleaning off especially persistent pollutions

Special paste for efficient hand cleaning off especially persistent pollutions (oil-paint, lacquer, resin, glue etc.) with natural abrasive (walnut shell powder) and light

GOST R 52345-2005, GOST R 51391-99

10009

"Slig spezial" 2000 ml

To be used with dispenser.



10030

"Verapol+" 250 ml

Multy-purpose cleansing cream for cleaning hand and face skin

Multy-purpose hand and face cream, scrub and solvent free. Can be used for waterless skin cleaning off various contamination (oil, fat, metallic dust, soot, slight lacquer and ink contamination)

Contains Aloe Vera extract. GOST R 51391-99

GOST R 52345-2005

10047 "Verapol+" 2000 ml

To be used with dispenser.



10031

"Stoko Hair and Body" 250 ml Very soft, soap-free gel for all type body and hair cleaning off light soiling

The gel contains soft conditioner maintaining healthy hair condition and making it naturally shining and silky.

GOST R 51391-99 GOST R 52345-2005

10032

"Stoko Hair and Body" 2000 ml

To be used with dispenser.

10027



10027 "Reduran Spezial" 250 ml

Paste for hand cleaning off dyes (aniline, azo printing, copying, food and textile inks).

GOST R 51391-99, GOST R 52343-2005





10034

Disinfectant gel "Stokosept" 100 ml

When there is no possibility to use soap, water and other cleansers, you can use anti-bacterial alcohol gel for hand skin care. The gel suppresses harmful microorganisms on hand skin surface (staphylococcus, enterococcus, salmonella, black molds fungus). Eliminates objectionable odors leaving the feeling of freshness and comfort. Economical in use.

For use in all fields requiring high degree of sanitation; in food industry, medicine, electronics, for people engaged in water – supply and drainage system works and also in any other place with potential source of bacterial contamination.

GOST R 51391-99, GOST R 52343-2005

10012



10012 Gel "Estesol" 2000 ml

Gel with moisturizing conditioner for cleaning light soiling off the hands. Soap-free. Used with dispenser.

GOST R 51391-99 GOST R 52345-2005



PERSONAL PROTECTIVE EQUIPMENT



Skin protection



Skin care (during breaks and at the end of the day)



10008

"Stokolan" 100 ml

Nutrition regeneration cream for hand and face skin care, when skin is subjected to professional stresses and environmental effects

Cream reduces irritation and soothes the skin, enhances natural skin regeneration processes, prevents drying, coarsening and chapping of the skin.

Protects against environmental hazards (low tempers, wind and snow). Suitable for all skin types.

GOST R 51391-99, GOST R 52343-2005

10016 "Stokolan" 1000 ml

Available to order

To be used with dispenser.



10035 "Stoko Vitan" 100 ml

Prolonged action cream for dry and very dry skin care. Compensates for the loss of skin lipids and moisture-binding agents, contributes to the recovery of skin natural protective barrier. Contains grape-stone

GOST R 51391-99 GOST R 52343-2005





10042 "Stoko Vitan Lotion" 250 ml

Prolonged action lotion for dry and very dry skin care. Can be used for the whole body. Compensates for the loss of skin lipids and moisturebinding agents, contributes to the recovery of skin natural protective barrier. Contains grape-stone oil.

GOST R 51391-99 GOST R 52343-2005



10044 "Stoko Soft+Care"

Intensively moisturising creamgel without oiling for normal skin care. When used regularly, prevents drying, coarsening and chapping of the skin which are the cause of many professional diseases, maintains natural skin protection function, and the skin remains smooth and elastic

GOST R 51391-99 GOST R 52343-2005

10045 "Stoko Soft+Care"

To be used with dispenser.



10053

ФОРМУЛА

10051

after work.
GOST R 52343-2005
GOST R 51391-99

10056

thinners, purifiers).

"Nasha Formula 1" 100 ml

"Nasha Formula 1" 1000 ml

 $\frac{10052}{\text{"Nasha Formula 1"}}$ 100 ml

using disinfectants, cement, fertilizers).

For protection of hand and face skin against water-

based agents and solutions (work with lubricoolants,

Hydrophobic protective cream

GOST R 52343-2005

GOST R 51391-99

To be used with dispenser.

For hand and face skin protection against oily and

water-insoluble materials (oil, petroleum, inks, lacquers, gums) and organic solvents (benzene, lacquer

Provides excellent skin protection and gentle cleansing

Hydrophilic protective cream.

"Nasha Formula 2" 200 ml

Paste for hand cleaning off severe industrial dirt (oil, petroleum, fat, soot, graphite, metallic dust, lubes) containing natural abrasive (walnut shell powder). GOST R 52343-2005, GOST R 51391-99

10054

"Nasha Formula 2" 2000 ml

To be used with dispenser.



10036

"Nasha Formula 3" 100 ml

Nourishing hand cream for the recovery of the skin from everyday stress. Suitable for all skin types. **GOST R 52343-2005**

GOST R 52343-200 GOST R 51391-99

10058

"Nasha Formula 3" 1000 ml

To be used with dispenser.



10001

Plastic dispenser "Stoko Vario SVP"

Intended for precise dispensing of protecting agents, for workers skin cleaning and care.

Features:

- Very economical as the exact cream dose for one use is measured out (1 – 2 ml);
- Very hygienic as excludes any possibility of product contact with production hazards;
- Available with a locking case.









3M



3M™ Safety-Walk™ slip-resistant general purpose tread

Abrasive particles bonded by a tough, durable polymer to a dimensionally stable plastic film to provide an effective antislip surface in most shoe traffic applications. Widely used efficient antislip surface.

Function:

For use in places where there is a lot of walking and light carriers passing, both in public and industrial buildings, for example, in hallways, workshops, warehouses, on trestles, flights and landings, on stairs and footboards, in emergency passages etc.

11.003 FN 5100-4109-1

Color: black. Size: 25 mm x 18,3 m.

11.006 FN 5100-4108-3 Color: black.

Size: 51 mm x 18,3 m.

11.010 FN 5100-4110-9

Color: transparent. Size: 25 mm x 18,3 m.



3M™ Safety-Walk™ coarse grain slip-resistant tapes

The tough polymer construction, incorporating a more durable mineral bonded to a rugged polymer, is designed to stand up longer under heavy traffic. Long-lasting traction helping to reduce slip and fall hazards. Successfully sustains the most severe contamination.

Function: Used for gluing on the surfaces located in the open air, in the most extreme conditions (temperature differences, precipitations): road-making, logging and construction machines, trucks, tractors, hoisting cranes etc.

11.005 FN 5100-4140-6

Color: black. Size: 25 mm x 18,3 m.

11.004 FN 5100-4133-1

Color: black. **Size:** 51 mm x 18,3 m.



3M Safety-Walk™ conformable tread

The tapes consist of abrasive particles bonded by a tough, durable polymer to aluminium foil. The tapes are designed to stretch and conform to irregular surfaces such as diamond tread plate, screw heads, ladder rungs, stairs etc.

Primarily for use on dimpled or patterned surfaces.

11.007 FN 5100-4125-7

Color: black. **Size:** 51 mm x 18,3 m.

11.009 FN 5100-4520-9

Color: yellow. Size: 51 mm x 18,3 m.



3M™ Safety-Walk™ medium resilient tapes

Non-mineral, medium-textured, slip-resistant vinyl surface. Comfortable, hygienic. Function: Used for wet, barefoot- or shoetraffic areas. Perfectly suitable for finishing decks of boats, launches and other watercrafts, as well as water sports gear (surf-riding board, water skis).

11.013 FN 5100-4359-2

Color: black. Size: 25 mm x 18,3 m.

11.014 FN 5100-4132-3

Color: black. **Size:** 51 mm x 18,3 m.

11.021 FN 5100-4128-1

Color: grey. **Size:** 25 mm x 18.3 m.

11.020

FN 5100-4124-0

Color: grey.

Size: 51 mm x 18,3 m.



3M™ Safety-Walk™ slip-resistant fine resilient tape

This fine-textured, slip-resistant material helps to provide enhanced safety and comfort in light traffic, barefoot areas. Soft, comfortable and hygienic anti-skid coating. **Function:** Used for wet surfaces: barefoot areas – in shower and bath rooms, in swimming pools, cloakrooms etc., as well as for finishing water sports gear (springboards, surf-riding etc.).

11.015

FN 5100-4131-5 Color: white. Size: 25 mm x 18.3 m.

11.018 FN 5100-4518-3

Color: transparent. Size: 25 mm x 18,3 m.

11.016 FN 5100-4134-9

Color: white. Size: 51 mm x 18.3 m.

11.019

FN 5100-4519-1

Color: transparent. **Size:** 51 mm x 18.3 m.



11.049

3M[™] Scotch-Weld[™] 80 spray adhesive 62-4996-4955-6, 710 ml

Used before gluing Safety-Walk™ tape for better grip to the surface. Necessary for closing porous and uneven surfaces to avoid moisture ingress via interstice and tape peel-off.

Recommended fields of application: concrete, marble, glazed and ceramic tile.



3M™ Safety-Walk™ edge sealing compound 62-5569-2660-8, 150 ml

A liquid, colorless solvent-based sealer that protects exposed edges of slip-resistant tapes and treads from excessive moisture, liquids, dust.

Used for sealing tape edges to avoid moisture ingress and peeling off.



PLUM EYE WASH products



Technoavia is an official distributor of PLUM, Denmark, in signed for quick and easy eye the Russian market. PLUM is a rinsing. Their contents is sterile manufacturer of high-quality first aid equipment for onthe-spot use in case of eye ex- cap ensures soft and uniform posure to chemical or mechan- washing and at the same time reical effect.

Vision is one of the most important senses.

In case of accident just a couple of seconds can decide the fate of your vision. Therefore quick access to first aid equipment on the work site subject to the risk of injury is of great importance. It is especially important when acid and alkali caused injuries are at issue because eye tissue corrosion starts at the moment of eye contact with a chemical.

However time factor is also essential when the eye injury is mechanical and caused by metal or wooden chip, dust and other dirt. In such cases immediate rinsing of eyes will prevent deep penetration of a foreign body into the eye tissue and make it possible to avoid serious injury.

If an accident has occurred account must be taken of the following three factors in connection with eye wash prod-

- the product should be handy,
- the product should be guick and easy to use,
- the product should be effective and harmless.

PLUM eye wash products are dewhich prevents bacterial contamination of eyes. The ergonomic moves the excess fluid from the

Attention!

Irrespective of the kind of injury the solution should get to the eye evenly and without pressure. Press the vial slightly without squeezing it. Be sure to consult a doctor. Continue rinsing the eye until you reach a doctor.

To deliver timely care it is necessary to observe the rules of PLUM first aid products usage

First aid plan for eye injuries

Type of injury	Initial rinsing	Follow-on rinsing	Time
Foreign bodies (such as dust, dirt, metal or wooden chips)	"Plum Eye Wash"	"Plum Eye Wash"	Rinse until the foreign body has been rinsed out
Acids	"pH-Neutral"	"Plum Eye Wash" Rinse with "pH-Neutral" solution unthe bottle is empty and continue rinswith Plum "Eye-Wash" until you reacted doctor.	
Alkali	"pH-Neutral"	"Plum Eye Wash"	Rinse with "pH-Neutral" solution until the bottle is empty and continue rinsing with Plum "Eye-Wash" until you reach a doctor.
Other substances (e.g. solvents and oils)	"Plum Eye Wash"	"Plum Eye Wash"	Rinse until the discomfort disappears or until you reach a doctor
Damages on the skin (acids, alkali and other chemicals)	"pH-Neutral"	"Plum Eye Wash"	Rinse with pH-Neutral until the bottle is empty. Continue rinsing with Plum "Eye Wash" until you reach a doctor



Eye injuries caused by chemicals

In case the eye injury is caused by contact with chemicals (acids or alkalies)it is necessary to use "pH-Neutral" which quickly and softly normalizes fluid medium to the normal pH level of 7,4.



Take the vial out of the holder



Turn the cap following the arrow sign until the package leak proofness is broken



Eye injuries caused by foreign bodies

In case the eye injury is caused by contact with metal or wooden chips, dust, dirt is necessary to use "Eye Wash" fitting with the natural fluid medium of the eye.





Throw your head back and start rinsing



New

6.425

PLUM set for eyewash in case of traumatic injury risk

Range of application: used in case of eye injury caused by foreign bodies (metal or wooden chips, dust, dirt). Bottles contain sterile solution of sodium chlorides (0,9%).

Rinsing: until the foreign body has been rinsed

Important: fluid jet for rinsing should not strike the eves under pressure, one should slightly press and gently squeeze the bottle.

The package is sterile, not to be kept after opening. The shelf life of unsealed product is 3 years. **Features:** dust-proof wall-mounted container. The container is provided with pictorial instructions for correct use. There is a safety mirror in-

Set: 2 bottles of "Eye Wash" solution (500 ml). GOST R ISO 10993-2009 "Evaluation of the biological safety of medical products"







6.492

PLUM set for emergency eyewash in case of traumatic or chemical injury risk

Range of application: intended for neutralization of acids, alkalis (other chemicals) in case they contact eyes or skin; in case of eye injury caused by foreign bodies (dust, dirt, metal and wooden chips).

Rinsing: with "pH-Neutral" until the bottle is empty, with "Eye Wash" until the foreign body has been rinsed out.

Important: fluid jet for rinsing should not strike the eyes under pressure, one should slightly press and gently squeeze the bottle. The package is sterile, not to be kept after opening. The shelf life of unsealed product is 3 years.

Features: dust-proof wall-mounted container. The container is provided with pictorial instructions for correct use. There is a safety mirror inside the cover.

Set: 1 bottle of "pH-Neutral" (200 ml), 1 bottle of "Eve Wash" solution (500 ml). GOST R ISO 10993-2009 "Evaluation of the biological safety of medical products"





6.494 PLUM "Eye Wash" solution in replace-

ment bottle of 200 ml

Range of application: used in case of eye injury caused by foreign bodies (metal or wooden chips, dust, dirt). The bottle contains sterile solution of sodium chlorides (0,9%).

Bottles are equipped with ergonomically shaped cap providing firm adherence to the eye and uniform rinsing with simultaneous removal of excess fluid. Also equipped with dust cover and detailed instruction on the label.

The package is sterile, not to be kept after opening. The shelf life of unsealed product is 3 years. **Important:** fluid iet for rinsing should not strike the eves under pressure, one should slightly press and gently squeeze the vial.

Set: 1 bottle (200 ml).

GOST R ISO 10993-2009 "Evaluation of the biological safety of medical products"



6.493

Plum "pH-Neutral" set Mini-Shower for emergency eyewash in case of traumatic or chemical injury risk (1 l)

Range of application: in case of eye or skin chemical damages with acid and alkali (or other chemicals)

The bottle contains sterile phosphate buffer solution (4,9% concentration).

Rinsing: until the bottle is empty.

Important: Fluid iet for rinsing should not strike the eves under pressure, one should slightly press and gently squeeze the bottle.

The package is sterile, not to be kept after opening. The shelf life of unsealed product is 3 vears.

Features: wall mounting device equipped with pictorial instructions for correct use.

Set: 1 bottle (1 litre of "pH-Neutral").

GOST R ISO 10993-2009 "Evaluation of the biological safety of medical products"







6.427

Plum "pH-Neutral" eye washing solution in replacement bottle (200 ml)

Range of application: intended for neutralization of acids, alkalies and other chemicals (except potassium containing substances and cement) in case of their contact with eyes

The bottle contains sterile phosphate buffer solution (4,9% concentration).

Bottles are equipped with ergonomically shaped cap providing firm adherence to the eve and uniform rinsing. Also equipped with dust cover and detailed instruction on the label.

The package is sterile, not to be kept after opening. The shelf life of unsealed product is 3

Important: Fluid jet for rinsing should not strike the eyes under pressure, one should slightly press and gently squeeze the vial.

Set: 1 bottle (200 ml).

GOST R ISO 10993-2009 "Evaluation of the biological safety of medical products"







6.424 PLUM "Eye Wash" solution in replacement bottle of 500 ml

Range of application: used in case of eye injury caused by foreign bodies (metal or wooden chips, dust, dirt). The bottle contains sterile solution of sodium chlorides (0.9%).

Bottles are equipped with ergonomically shaped cap providing firm adherence to the eye and uniform rinsing with simultaneous removal of excess fluid. Also equipped with dust cover and detailed instruction on the label.

The package is sterile, not to be kept after opening. The shelf life of unsealed product is 3 years. **Important:** fluid jet for rinsing should not strike the eyes under pressure, one should slightly press and gently squeeze the vial.

Set: 1 bottle (500 ml).

GOST R ISO 10993-2009 "Evaluation of the biological safety of medical products"





Accident prevention and occupational safety signs and magazines

COMPULSORY SIGNS

Ø 200 mm. GOST R 12.4.026-2001



WARNING SIGNS

Side 200 mm. GOST R 12.4.026-2001











Ø 200 mm. GOST R 12.4.026-2001

MANDATORY SIGNS



FIRE SAFETY SIGNS

Side 200 mm. GOST R 12.4.026-2001



EVACUATION SIGNS AND MEDICAL SIGNS

Side 200 or 130 x 240 mm. GOST R 12.4.026-2001









INFORMATION SIGNS

Side 200 mm. GOST R 12.4.026-2001







AUXILIARY SIGNS

Side 130 x 240 mm GOST R 12.4.026-2001



COMBINATION SIGNS

GOST R 12.4.026-2001











Signs and posters are made with oil-, gasoline-, water-resistant inks on the material resistant to outside weather and industrial impacts:

- self-adhesive PVC film,
- photoluminescent reflective film,
- PVC plastic.

On customer's demand signs and posters can be made from sketches. Only a part of signs is represented in the catalogue, at your request we will send you the full list of signs, posters and magazines.



For further information, install the QR Code Reader and photograph the code using a smartphone.

First-aid kits



9.164 First-aid kit "Universalnaya" (multi-purpose)

Intended for rendering before-doctor self- and mutual aid under plant

TU 9398-007-42965160-2001



9.067 First-aid kit

Recommended for low-risk workplaces with 1 to 5 people.

TU 9398-047-42965160-2011



9.165 First-aid kit "Proizvodstvennava" (for plant conditions)

Recommended for up to 20 people in a low-risk workplaces. TU 9398-005-42965160-2000



9.094

Repellents

9.092

Tick repellant "Gardex Extreme" 150 ml TU 9392-006-84794429-2009

Mosquito repellant
"Gardex Extreme" 100 ml

TU 2386-002-84794429-2010



9.093

Insect repellant

9.095 Flying insect repellant "Deta" 125 ml TU 2386-077-00205357-2007

"Gardex Extreme" 100ml

TU 2386-003-84794429-2010



9.162 First-aid kit "Avtomobilnaya" (car driver's) TU 9398-003-42965160-97



9.163 First-aid kit "Individualnaya" (individual)

First Aid burn kit "Mini-Appolo"

TU 9393-013-42965160-2005

Designed to provide first aid for burns of varying severity.

Intended for rendering before-doctor self- and mutual

TU 9398-011-42965160-2001

9.159



Designed to provide first aid for burns of varying severity. The set is made as a carrying case made of thick, waterproof material. The design of handbag provides quick and convenient access to medicines. TU 9393-013-42965160-2005



First-aid kit "Promishlennava" (Industrial), metal case TU 9398-005-42965160-2000

First-aid kit "Promishlennava" (Industrial), plastic case TU 9398-005-42965160-2000



9.160 First Aid burn kit "Appolo"



10.059

Insect repellant "Stoko Anti Insect" Highly effective repellant for protection against mosquitoes, sand flies, gnats, horseflies, fleas and ticks. Pleasant smelling. No adverse effects on domestic animals and aquatic organisms. Safe for human skin. Application: mosquito and tick protection, for all climatic zones of Russia and the CIS. Chemical composition: DEET, emulsifiers, flavor. Does not contain permethrin!

Time of effective protection:

- on skin over 4 hours (against blood-sucking insects and ticks)
- on tissue 30 hours (against blood-sucking insects), 5 hours (against ticks)

Packaging: 100 ml. Shelf life: 48 months.

GOST 12.1.007-76, GOST R 51696-2000



Insect bite relief balm stick

Balm quickly and effectively takes

away pain and itching from insect

Gardex Family, 7 ml

bites. Applied directly to bites.

GOST R 52342-2005

GOST R 51391-99

9.098 Mosquito liquid Raptor (30 nights)

Effective protection from biting mosquitoes. Provides protection up to 240 hours! The composition of the fluid contains Etok (Japan) acting liquid.

GOST 12.1.007-76 GOST R 51696-2000

9.098



9.097 Raptor Kit (device + mosquito liquid 30 nights)

Universal device with an improved ceramic heating element. Swivel plug (angle – 90°). Odorless liquid.

EVONIK





Household equipment







Unique cleaning material!

DuPont Sontara® EC wipes

Sontara® EC wipes are resistant to abrasion and solvents (methyl ethyl ketone, isopropyl alcohol), tough and durable. Low-linting, Absorb water, oil and solvents.

Universal cloth!

Composition: 49% cellulose, 51% polyester, Density – 76 g/m².

Sontara® EC wipes are ideal for wiping, polishing and fine finishing in a variety of areas:

- automobile industry
- heavy industry
- machine building
- aviation
- · electronic equipment and com-
- surface preparation and painting
- electric power industry
- pharmaceuticals and medicine
- printing industry
- food processing



9.661 **DuPont Sontara® EC wipes** Size: sheets 300 x 300 mm. Packing: 100 sheets per pack. Color: turquoise.

TU 8599-006-58239873-2008

9.920

9.920 **DuPont Sontara® EC wipes in a roll**

Size: sheets 300 x 380 mm. Packing: 400 wipes per roll. Color: turquoise.

TU 8599-006-58239873-2008



9.153 Lantern "A bright ray Fara (sportlight)+Lum" (A-507)

Cordless waterproof halogen spotlight with a fluorescent lamp 7 Watt.

2 modes of operation:

• "spotlight" – a powerful light beam (continuous operating time:

40 min – Lamp 35 Watt:

60 min - Lamp 25 Watt;

• "camping" – a soft diffused light (5 hours of continuous operation).

(9.154)

Set: 220 V adapter. 12V car adapter, replacement halogen lamp 25 Watt, shoulder strap.



9.154

Head light "Bright Ray LH-1903" 19 LED Headlight. Three modes of operation. Adiustable tilt.

Batteries: 3 x AAA (R03), not included.



9.151

Flashlight "Bright Ray LA-1W"

LED flashlight. 3 modes of operation. Built-in protection from overcharge/exhaustive discharge. Charger 220 V.



9.149

Flashlight "Bright Ray T3"

Metal LED flashlight. 3 Watt LED Flashlight with CREE LED. Powerful focusing lens provides a concentrated beam. Range of light beam is over 150 meters in dark. Waterproof housing made of aircraft aluminum.

Batteries: 3 x AAA (R03), not included.



Knee-caps "Profi"

Made of strong rubber with safe fixing. Corrugated surface prevents

Not to be certified according to GOST R



6.179 Knee-caps "Universal"

Made of EVA material. Not to be certified according to GOST R



6.491 Shock absorbing pads "Zashita" 8KNEE

Made of thermoplastic ethylenevinvl acetate. 14.5 x 24.5 cm, thickness 1.5 cm. To be put into knee pockets of

workwear for extra protection. GOST R 50962-96 (p. 3.8 table 1 (2,3,11), 3.9), EN 14404:2004



9.091 Bag "Technoavia" Size: 75 x 30 x 35 cm. Color: black.



9.111 Safety tape

9.111 Safety tape 8 cm roll x 250 m TU 2245 - 003-21696750-02 By special order tape may by produced with your company logo.



9.012 Round-pointed shovel GOST 19596-87



9.011 Square-faced shovel GOST 19596-87

9.021 Round-pointed shovel



Snow shovel, galvanized Size: 375 x 330 mm. GOST 19596-87



9.015 Twisted rake, 12-teeth, dyed Available on request

9.023 Rake handle Available on request



9.001 Galvanized bucket Volume 12 l. GOST 20558-82

9.051 Broom

9.031 Sweeping brush

9.161

9.166

GOST 2863-90

Warning cone 320 mm

Warning cone 520 mm

TU 2291-004-21696750-04

TU 2291-004-21696750-04



9.131Polypropylene twine
1 coil – 2 spools (8–10 kg).



9.082 Laundry detergent "Lotos M" Weight: 450 g. GOST R 52488-2005





9.101Packaging cloth (sackcloth)
Roll 1,1 m x 100 m.



Dielectric rug
Size: 50 x 50 cm. Used as extra protection against electric current of up to 1000 V. Temperature range from – 50°C up to +50°C. Service life – 3 years from the date of manufacture.

6.152 Dielectric rug Size: 75 x 75 cm. **GOST 4997-75**

GOST 4997-75



9.071 Honeycomb towel Size: 80 x 40 cm. GOST 11027-80

9.072 Terry towel Size: 70 x 35 cm. GOST 11027-80



A	Unbleached calico 65	jacket	Fishing winter high boots152
ABB gloves	Arctica , boots	semi-overall	Flight boots
Absolute , warning raincoat 41, 109	Arretil , cream	trousers	Frejus
Adapter	Asphalt , boots	Bering , boots	Grafit147
•	-	Bi-Color Plus, gloves 238	Granite
Aero , jacket	Assembler's climbers210	Bianca, trousers, jacket 68	Leather-lined leather high boots 141
Air turbo 3M™ Jupiter™ 169	Astroflex, spectacles 174	Bianca , women's jacket 68	Lemming, PVC high boots 146, 147
Air wing, safety helmet201	Astrospec, spectacles 174	Black Knight, gloves 240	Men's woolen boots
Alfatek , gloves 239	Athletic-light, low shoes 125		Miner's rubber high boots 148
	Auto-darkening filter 3M™ 165, 166	Blouse	Monviso
Alpi boots	_	Slim Fit, women's long sleeve blouse	Neogard-Light 125
Alyaska , coat	Avrora boots	Slim Fit, women's	Neogard® 126–128
Alyaska, gloves 232	Avrora M boots	short sleeve blouse	Neogard®, winter 128
Amigo, welding goggle176		Women's long sleeve blouse21	Omon
Amsterdam, summer suit 54	В	Women's short sleeve blouse 21	Pilot
		Blue 30 J , gloves	Polar Fox, winter 150
Anti-skid tapes 3M [™] 245	Bag Max		Prizma, PVC high boots 146
Antiaerosol filter 160–162	Bag Technoavia251	Blue Star, gloves 240	PVC high boots and
Appolo, first aid burn kit 249	Baikal, jacket82	Boots	semi-overall
		Alpi	PVC oil-resistant
Apron	Baikal, semi-overall 82	Arctica, winter 150	high boots, white
Acid – and moisture – resistant 203	Baseball cap	Asphalt	Standard
Acid – resistant 203	Baseball cap Bavaria 120	Avrora	Standard M
Gummed apron 204		Avrora M	Super Utah, fur
Klass, cook apron 66	Baseball cap Chelsea 45, 120	Bering	Svarschik
Lozhki 65	Baseball cap Operator120	Delta	Technoguard®129, 130, 131
Metal mesh apron Chainex Light 204	Baseball cap Pilot–2120	Denver	Tina PVC boots146
Oil – and gasoline – resistant vinyl . 203		Derric	Topper, winter 151
Polyethylene apron203	Baseball cap Security120	DEVON safety147	Ugra, winter
Sandra65	Bavaria	Drammen	Utah-L
Tarpaulin apron 204	baseball cap	Fisherman' s PVC high boots 148	Utah

Uvex	Caesar	Citrin , gloves	Communication ear muffs 193–195
Winter	helmet liner 92, 119	City	Conductor, gloves
Boston , shoes	insulated welder suit	gloves	Conform , gloves
Breathing Tube169	summer welder suit 91	men's jacket48, 50	Copenhagen, shoes
Broom 251	Camouflage T-shirt	men's trousers 49, 52	Coulomb , shoes
Bucket	Cap 65, 121	semi-overall men's	·
Build , cold-protective suit	Cap with mosquito net121	semi-overall women's 49, 52	Crusader Flex, gloves 234
·	Cap-peak 63, 121	smock	Cyclone
Build, gloves	Carabiner	women's jacket 49, 52	raincoat
Build, summer suit57	Cartridge, filtering	women's trousers 49, 52	waterproof suit
Bump cap	made in Russia171	City-Master	
Buran , coat	replaceable 3M™ 161, 162, 170	men's jacket 48, 50	D
Buran, semi-overall 74	Case for UVEX spectacles 177	men's semi-overall 48, 51	Delta , boots
	Case with inside tissue	Citylux, spectacles	Delta , shoes
	for spectacles 177		Derrick , boots
C	ioi spectacies	Classic modern, spectacles 178	Derrick , boots
C Cap	Chainex Light, metal mesh apron 204	Classic modern, spectacles	Deta , insect repellant
Cap artificial fur	•	Classic, spectacles 176, 178	•
•	Chainex Light, metal mesh apron 204	Classic, spectacles 176, 178 Cleaning, suit 64	Deta , insect repellant 249
artificial fur	Chainex Light, metal mesh apron 204 Chainextra, metal mesh glove 230	Classic, spectacles 176, 178 Cleaning, suit 64 Climbers 210	Deta, insect repellant249Detroit, flexible leather belt33Dielectric rug251
artificial fur	Chainex Light, metal mesh apron 204 Chainextra, metal mesh glove 230 Changeable glass	Classic, spectacles	Deta, insect repellant249Detroit, flexible leather belt33Dielectric rug251Dinit, gloves230
artificial fur	Chainex Light, metal mesh apron 204 Chainextra, metal mesh glove 230 Changeable glass plate to welder's visor 182 Chelsea baseball cap	Classic, spectacles	Deta, insect repellant249Detroit, flexible leather belt.33Dielectric rug.251Dinit, gloves.230Dispenser.244
artificial fur	Chainex Light, metal mesh apron 204 Chainextra, metal mesh glove 230 Changeable glass plate to welder's visor 182 Chelsea baseball cap 45, 120 jacket	Classic, spectacles 176, 178 Cleaning, suit 64 Climbers 210 Coat Absolute, warning raincoat 41, 109	Deta, insect repellant249Detroit, flexible leather belt.33Dielectric rug.251Dinit, gloves.230Dispenser.244Disposable lens for
artificial fur	Chainex Light, metal mesh apron 204 Chainextra, metal mesh glove 230 Changeable glass plate to welder's visor 182 Chelsea baseball cap 45, 120 jacket	Classic, spectacles	Deta, insect repellant249Detroit, flexible leather belt.33Dielectric rug.251Dinit, gloves.230Dispenser.244Disposable lens for Welding goggle Amigo.176
artificial fur	Chainex Light, metal mesh apron 204 Chainextra, metal mesh glove 230 Changeable glass plate to welder's visor 182 Chelsea baseball cap 45, 120 jacket	Classic, spectacles	Deta, insect repellant249Detroit, flexible leather belt.33Dielectric rug.251Dinit, gloves.230Dispenser.244Disposable lens for Welding goggle Amigo.176Drammen, boots.138
artificial fur	Chainex Light, metal mesh apron 204 Chainextra, metal mesh glove 230 Changeable glass plate to welder's visor 182 Chelsea baseball cap 45, 120 jacket	Classic, spectacles	Deta, insect repellant249Detroit, flexible leather belt.33Dielectric rug.251Dinit, gloves.230Dispenser.244Disposable lens for Welding goggle Amigo.176
artificial fur	Chainex Light, metal mesh apron 204 Chainextra, metal mesh glove 230 Changeable glass plate to welder's visor 182 Chelsea baseball cap 45, 120 jacket	Classic, spectacles	Deta, insect repellant249Detroit, flexible leather belt.33Dielectric rug.251Dinit, gloves.230Dispenser.244Disposable lens for Welding goggle Amigo.176Drammen, boots.138
artificial fur	Chainex Light, metal mesh apron 204 Chainextra, metal mesh glove 230 Changeable glass plate to welder's visor 182 Chelsea baseball cap 45, 120 jacket	Classic, spectacles	Deta, insect repellant249Detroit, flexible leather belt.33Dielectric rug251Dinit, gloves.230Dispenser.244Disposable lens for Welding goggle Amigo.176Drammen, boots.138DS-16, jacket.27
artificial fur	Chainex Light, metal mesh apron 204 Chainextra, metal mesh glove 230 Changeable glass plate to welder's visor 182 Chelsea baseball cap 45, 120 jacket 45, 73 summer suit	Classic, spectacles	Deta, insect repellant249Detroit, flexible leather belt.33Dielectric rug251Dinit, gloves230Dispenser244Disposable lens for Welding goggle Amigo176Drammen, boots138DS-16, jacket.27Duplo, gauntlets.233



Eagle, leether jacket 33 Fenix, protector hood 163 Gabarit, waistcoat 43 Granat, gloves 226 226 227 228 228 229	E	breatning apparatus 163	Gabarit-4, Waistcoat 43	Grafit, boots
Earplugs 1.85 , 186	Eagle , leather jacket	Fenix, protector hood163	Gabarit, waistcoat	Granat , gloves
Ecolux, spectacles	ear muffs	Fiber Tough, gloves	Gaja , shoes	Granite , boots
Econoamy, specialistic special specia	Earplugs	Filter 3M™ 160–162	Garant , boots	Greifer, gloves
Econom, warning waistcoat 43	Ecolux, spectacles	Filter adapter HEPA 160	Gardex Extreme, repellants 249	Grif , gloves
Edge sealant 245 Energia-2, suit 59 Eirst-aid kit 500	Econohands, gloves 237	Filtering half mask (respirator)171	Gauntlets 221, 231,235, 236, 240	Ground Mechanics , ear muffs 193
Euclide, shoes 139 Mini-Appolo, burn kit 249 Gloves Harness Extra, gloves 238 multi-purpose 249 Anti-cut safety gloves 229, 230 fall-arrest safety 206, 207 Extreme, cold-protective coverall 80 Flashlight 250 gloves 237-240 safety harness 207-209 Extreme, socks 116 Flashlight Bright Ray 250 Disposable laboratory gloves 240, 241 Fort, semi overall 78 Protective gloves against mechanical risks 220-223 mask (air conditioner) 163 Fahren, gloves 223 Frejus, boots 136 Frejus, boots 136 Frejus, boots 142 Fur socks 142 Fur socks 142 Fur socks 163 Fur socks 160 Fur socks 1	Edge sealant 245 Energia-2, suit 59 Energia, suit 58 Equipment Bag 217	(respirator) 3M™ 155–159 First-aid kit 249 first-aid 249 for plant conditions 249	Estesol 243 Stokocept 243 Stoko Hair and Body 243 Gjovik, shoes 138	Half-face respirator 3M™ 160, 162 Half-woolen sweater
Extra, gloves 238 multi-purpose 249 Anti-cut safety gloves 229, 230 fall-arrest safety . 206, 207 Extreme, cold-protective coverall 80 Flashlight 250 Chemical protective gloves 237–240 safety belt 213 Extreme, socks 116 Fishlight Bright Ray 250 Disposable laboratory gloves 240, 241 Extreme, socks 116 Foil+, insoles 153 gloves 240, 241 Fort, semi overall 78 Protective gloves against mechanical risks 220–223 Fahrenheit, goggles 180 Fortuna, cold-protective jacket 75 mechanical risks and thermal hazards 234, 235 Fahrer, gloves 223 Frejus, boots 136 Protective gloves resistant to oils, petrochemicals 224–228 Helix Wet, gloves 229 Felt boots (valenki) 152 Fur socks 142 Special-purpose gloves 236, 237 Helmet			•	•
Fort, semi overall	Extra, gloves238Extreme, cold-protective coverall80Extreme, socks116	multi-purpose	Anti-cut safety gloves 229, 230 Chemical protective gloves	fall-arrest safety
Fahrenheit, goggles		Fort, semi overall	Protective gloves against mechanical risks 220–223	Headtop HT-701
Fahrenheit, goggles 180 Frejus, boots 136 Frejus, boots 136 Protective gloves resistant to oils, petrochemicals 224–228 Helix Wet, gloves 238 Fenix protector hood 163 Frejus, boots 136 hazards 234, 235 Heavitek, gloves 238 Helix, sleeve 229 Frotective gloves resistant to oils, petrochemicals 224–228 Helix Wet, gloves 229 Fenix protector hood 163 Special-purpose gloves 236, 237 Helmet	F		3 3	mask (air conditioner)163
Tiennet Control of the Control of th	Fahrer, gloves223Fall Arrestor Block216Felt boots (valenki)152	Frejus, boots	hazards 234, 235 Protective gloves resistant to cold 231–233 Protective gloves resistant to oils, petrochemicals 224–228	Helix Foam, gloves 229 Helix, sleeve 229
		G		

Safety helmet	Hylite	cook's65	Top gun, leather jacket
Safety helmet Peltor197	gauntlets	DS-16, cold-protective 27	Troika-Leader, men's
Shakhtyor M 198	gloves	For flying personnel,	Ultra, summer 69
SOMZ-5 Shturm198		demi-season 27	Universal, summer 54
SOMZ-55 Favorit 198, 199, 200		Fort, cold-protective	Zima, cold-protective 87
Super Boss 201, 202	I	Fortuna, cold-protective75	zip-fastened, Polartek
Thermo Boss 202	I-Vo , spectacles 175	Fur-inside	Jet , cold-protective jacket 85
Trud U	Iglu , gloves	Fur-lined leather,	
Trud M		for flying personnel 25	John Douglas, jacket
Uvex201, 202	Insect bite relief balm stick 249	Fur-lined,	Jumbo, gauntlets 234
Helmet liner	Insect repellants Gardex 249	for flying personnel	Jumper
Caesar,	Inserts for gloves240	Jet, cold-protective	•
insulated helmet liner	_	Jupiter (TA-04)	Jupiter (TA-04)
cotton	Insulated baseball cap 120	Ladoga, cold-protective jacket 82	jacket 28, 77
fleece119	Intelligent Charger 169, 195	Leather, for flying personnel 25	semi-overall 28, 38, 77
fur119		Leto, women's jacket 58	Jupiter™ modular
knitted119		Megapolis, summer 46	Powered Air turbo
Mars, for welder 93, 119	J	Nevada, leather jacket 33	
	Jacket	Operator Hi-Viz, summer 36, 98	
Hi-com , earplugs 185, 186	Jackets	Operator, summer 53, 96	K
High fur boots	Aero, cold-protective 13, 72	Polartec	Kamish, terry underwear117
ligh-tech , gloves	Alyaska, cold-protective	Prime, cold-protective 81	•
Hunter thermal underwear,	Baikal, cold-protective 82	Quilted jacket, cold-protective 88	Kapron sling214
rousers	baker's	Real, windbreaker 75	KBT Vision ENERGO,
	Bavaria, cold-protective	Saturn (TA-05),	helmet visor
Husky , gloves 232	Bavaria, summer4	cold-protective	KBT Vision TITAN,
1Y79 replacement ear seals		Scandinavia, women's,	helmet visor
or headsets195	Buran, cold protective	cold-protective	
Hycron	Buran, cold-protective	Security, cold-protective 22, 84	Kedr , suit
gauntlets	Chelsea, cold-protective	Siberia, cold-protective70	Klass , apron 66
gloves	City-Master, men's 48, 50	Smart, men's,	Klass , suit
	City, men's	cold-protective	
Hyflex , gloves 219, 228, 229	City, women's 49, 52	Storm control	Kleenguard, gloves



Knee-caps 250	Lens cover for full-face	leather, oil- and	Medical finger-stall 204
Knit 3 hole face mask	3M [™] respirators	gasoline resistant 144	Medik , suit
Kross , gloves	Lens for gas welding goggles 176	Neogard-Light®, 125	Megapolis
_	Lens for welding goggles Revlux . 181	Neogard-Light®, perforated 125	jacket
KS Stal , helmet visor	Lepestok 200 , respirator 171	Nika	semi-overall
	Lesorub , suit	Sanitary	trousers
L	,	Technogard®,	Mercury , gloves
L-1 , suit	Leto jacket	Technogard®, perforated shoes 131	Mercury , suit
Ladies allround, boots	semi-overall	Tullus	Metaliks, spectacles
	suit	Uniform	Milan , jumper
Ladies allround, shoes	LGN , suit	Uvex Ladies allround 134	
Ladoga , jacket		Uvex Module 2000	Milan , vest 16, 112
Ladoga, semi-overall 82	Lifeline	Uvex Motion Light 135	Military peaked cap20, 118
Laplandic , men's pants117	Lotion	Uvex Office	Modul-R , goggle
Laplandic , underwear	Stoko Emulsion 242	Lozhki , apron 65	Modul-R, half visor
Laplandic , women's leggins 117	Stoko Vitan		Module 2000 , shoes
	Low boots	M	Monolux, goggle
Laundry detergent	fitter's warmth-keeping 152	IVI	
Leader , suit 55	PVC, insulated 148	Maghistral, suit	Monviso , boots
Leather belt Detroit	women's woolen	Mars, helmet liner	Mosquito liquid Raptor249
Leather belt Tornado33	Low shoes	Mars , suit	Motion light, boots
Leather gloves	Atletic-light	Mask	Motor , suit
_	Boston	3M™160–162	MT-2, cold-protective suit
Leather strap for Uvex helmet 201	Copenhagen	medical	Max 400, ear muffs
Leather winter	Delta		•
helmet John Douglas	Euclide	Max , bag	Max 500 , ear muffs 196
LED light vision , spectacles 179	Gaja	Maxim , spectacles 179	Nasha Formula, cream 244
Ledochod , anti slip device 153	Gjovik	Mechanic, suit59	NBT-2 Vision® Titan, visor 183
Leming , high boots 146, 147	leather	Medic , cap	NBT-1 Vision ®, visor

Neck cord for UVEX spectacles 177	Opal 300 , gloves 226	Particulate Filter 3M [™] 160, 162	Professional, suit 55
Neftyanik, summer suit99	Opal 500 , gloves	Peltor HY79 replacement	Profi , knee-caps
Neo-Touch, gloves	Opal 800 , gauntlets	ear seals for headsets 195	Protect , gloves
Neogard-Light, shoes	Operator	Pilot-2 , overall	
Neogard®, boots	baseball cap 53, 96, 120	Pilot-2 , suit	R
Neogard®, shoes 126–128	cold-protective suit	Pilot , boots	
Neotop, gloves	jacket	Plastic dispenser 244	Rake
Neox , gloves	semi-overall	PLUM Eye Wash solution247	Raptor
		Polar Fox, winter boots 150	Real , overall 47
Nevada, leather jacket	Operator Hi-Vis, jacket 36, 98	Polar Grip, gloves 233	Real , windbreaker jacket 75
Nicol, women's jacket 64	Optim , ear muffs 188-191	Polar-I, gauntlets	Reduran Spezial,
Nicol, women's trousers	Orange , gloves	Polar-II , gloves	paste for hand cleaning 243
Nika, low shoes 144	Outer protection lens for Speedglas™	Polartec , jacket	Refill bottle
Niks , low shoes	welding helmet		for One touch dispenser 186
NitriTec, gloves	Overall	Polizon , removable stockings 152	Removable stockings Polizon 152
Nonconducting latex gloves 236	Extreme, cold-protective 80	Polo , shirt	Repellant
Nonconducting overshoes 148	Pilot-2	Polycarbonate visor HT-700	Deta249
Nord , hat	Spanbond	for headtop HT-701	Gardex Extreme
Nord, waistcoat	Tychem	Polypropylene twine	Stoko Anti Insect 249
Nord, Walstcoat	Tyvek	Prefilter retainer 160, 162	Replacement Hood 170
	Overshoes (galoshes)	Premium, spectacles 178, 180	Respirators
0	dielectric148	Prime , jacket 81	made in Russia 171
OilStat, cold-protective suit 100	for felt boots	Prime, semi-overall81	3M™155–159
OilStat, summer suit 99	gardener's insulated148	Prizma, PVC high boots146	Revlux , goggles
Okhrannik, shirt 23		Profapren CF33 , gloves240	
Omon , boots	P	Profatherm XB30, gloves 234	S
One touch, dispenser 186	Packaging cloth (sackcloth) 251	Professional, semi-overall 55	Sabot , shoes



Safari , smock 62	Ladoga, cold-protective 82	Welder's visorNN-7 (C3-C8)	SkyLite, spectacles
Safety rope	leather25	PREMIER Favori®T 2 182	Skyper , spectacles 174
Safety tape	Leto	KBT ENERGO	Sleeve protectors
Safety tether 208, 211–213	Megapolis, summer	Shirts flannel shirt	cotton
Salton , insoles	Prime, cold-protective	long sleeve jacket, men's 21	Kevlar®
Sandra , apron 65	Professional, summer	Okhrannik, long sleeve23	polyethylene
Sanitary, low shoes	Siberia, cold-protective	Okhrannik, short sleeve 23 short sleeve jacket, men's 21	split
Saturn (TA-05) , jacket 29, 38	Winter, cold-protective	Shirt, Polo	vinyl
Scandinavia	Sensilite, gloves	Shirt-jacket	Slig spezial, paste for hand cleaning 243
cold-protective jacket	Service , suit	Shoe covers	Slim Fit, blouse
Scotch-Weld™ spray adhesive 245	Set of clothes Men's for cynologists 60	Shoes	Sling sleeve anchorage system 217
Security , cap	Troika-Leader86	Sabot	Slippers
Security , jacket 22, 84	Women's for cynologists 60	Women's leather	leather
Security , suit	Shakhtyor M, helmet 198	perforated shoes	shower
Security, trousers22	Shield	Shovel handle251	Smart , jacket 23
Seizure on the anchor line 215, 217	for UVEX helmet	Siberia, jacket	Smock
Semi-overall	KS Stal	Siberia, semi-overall70	City
Baikal, cold-protective 82	Modul-R	Side cap 118, 121	dark made of Unbleached
Bavaria, insulated 79	NBT1 Vision®183	Sigma , suit	calico fabric 61
Bavaria, summer 44	NBT2 Vision®TITAN		made of mixed fabric
Buran, cold-protective 74	shield for Ultravision goggles 177	Sign	medical
City	V4D acetate	film	Safari
City-master	V4H polycarbonate 183, 197	plastic	Ultra
Fort, cold-protective	Welder's visor NN-10 (C3-C8)	Silhouette , cold-protective coat 71	white
Fur, men's	PREMIER Favori®T	Singlet (telnyashka)116	Zaschita, acid-proof overall101
cold-protective	Universal	Skin protection creme 242–244	Sneakers

Snegir, waistcoat	Monolux	Stoko Universal, cream242	Heat-resistant cloth suit95
Soap	QX1000179	Stoko UV 30 Complete, cream 242	Insect protection suit 60
Socks	QX2000179	Stoko Vario, dispenser 244	Kedr, cold-protective suit 87
	Revlux		Klass, cook suit 66
Sofia , cold-protective coat 13, 71	UVEX172–177	Stoko Vitan Lotion, lotion 244	Leader, summer suit55
Sofia , cold-protective coat13, 71	V6C, helmet integrated 179	Stoko Vitan, cream	Lesorub, cold-protective suit 107
Solopol , paste for hand cleaning 243	V6E, helmet integrated 179	Stokolan , cream	Lesorub, summer suit
	V6B, helmet integrated 179		Leto58
Solveks , gloves	Visilux	Stokosept , gel	Maghistral, warning suit37
SOMZ-5 SHTURM , ear muffs 198	Speedglas protection lens 165, 166	Storage battery 168, 169, 195	Mars
SOMZ-55 Favori®T	Speedglas™,	Storm control,	Mars, cold-protective suit94
Hammer RAPID, safety helmet199	safety products for welders 164–168	windbreaker jacket42, 108	Mars, welder's suit
SOMZ-55 Favori®T Hammer,		Strap rings	Mechanic, summer suit 59
safety helmet 200	Split, gauntlets		Medik
SOMZ-55 Favori®T RAPID,	Spunbond, coverall	Suit	Mercury, flame resistant suit 94
safety helmet	Standard M , boots	acid-proof cloth suit	Motor, summer suit 59
•	Standard M, high boots 140	acid-proof summer suit	MT-2, cold-protective suit
SOMZ-55 Favori®T Termo RAPID,	_	Amsterdam, summer suit 54	Neftyanik, summer suit 99
safety helmet	Standard , boots	Build, cold-protective 85	OilStat, cold-protective suit 100
SOMZ-55 Favori®T Termo,	Standard, high boots 140	Build, summer 57	OilStat, summer suit99
safety helmet 200	Stier Polar, gloves	Caesar, cold-protective suit 92	Operator, cold-protective suit 76, 97
SOMZ-55 Favori®T,		Caesar, summer suit 91	Pilot-2
safety helmet198	Stier , gloves	Chelsea, summer suit45	Professional, summer suit55
Sontara® EC (DuPont) wipes 250	Stoko Anti Insect, repellent 249	Chemosafe, acid-proof suit 101	Protective suit L-1111
•	Stoko Emulsion 242	Cleaning women's suit64	Security, summer suit23
Spade		cloth suit	Service
Spectacles	Stoko Foot Care, spray 242	Cyclone, waterproof 110	Sigma, cold-protective suit 40
3M™ 178–180	Stoko Frost Protect, cream242	Energia	summer suit
Chimilux	Stoko Hair and Body, gel243	Energia-259	for aircraft technicians 31
Citylux181		flight demi-season suit27	summer suit with elbow-pads
Ecolux	Stoko protect+, cream 242	flight summer suit 30, 31	and kneecaps made of cotton 60
Kemilux	Stoko Soft+ Care, gel244	Golf, summer suit56	Surgeon's suit 67



TA-01, cold-protective suit 29	T	Tornado, leather belt	Tyvek®
Technic, summer suit 56	T-shirt	Touch-and-tough, gloves 241	overall
Terminal-A,	TA-01 , suit	Towel	suit
summer warning suit	Taiga , underwear	Travabon , hand protective cream 242	
Tyvek		Tripod	U
Uniform, men's	Tear-off film for safety glasses Ultravision Uvex	Troika-Leader, suit	U-2K respirator
Veles, cold-protective	-	,	Ugra, winter high boots
Water-proof suit	Technic , suit	Trousers	
Water-proof suit	Techno , gloves	Bavaria, summer	Ultra , boots, jacket, smock 69
LGN for miners	Technogard®, boots 129, 130	Chelsea	Ultrasonic , goggles 176
Welder's split suit 95	Technogard®, high boots 131	City	Ultratech, gloves
Welder's suit	Technogard®, low shoes 131	cook	Ultravision
Women's uniform 15	Telogreika plus, jacket 88	Insulated, made of mixed fabric 88	goggles177
Working suit with elbow-	Terminal-A , suit	Megapolis	shield177
pads and kneecaps made		men's summer 36, 53, 96	welding goggles 176
of mixed fabric	Texpergo , polo shirt	men's uniform trousers 19	Underwear
Working women's suit, summer 58	Thermal underwear shirts	Nicol, women's 64	Laplandic
Zima, cold-protective 87	Hunter, men's	Operator	Hunter
Super B , gloves	Laplandic, women's	Scandinavia, cold-protective, women's 81	Men's knitted
Super Boss, safety helmet 201, 202	Laplandic, men's	Security, cold-protective	underwear Taiga 117
Super G, spectacles 175	Winter terry singlet	summer fly camouflage 30	Men's terry
	Thermo Boss, helmet 202	Ultra, summer 69	underwear Kamish
Super Nitril, gloves 239	Thermonit, gloves	Winter, cold-protective 22, 84	Uniform made-up tie20
Super OTG Hi-res, spectacles 174	Tina, PVC high boots146	women's uniform trousers 15	Uniform skirt
Super Utah, boots	Titanit , gloves 227	Trud U , helmet 198	Unitek , gloves
Supplied-Air respirator 171	Top Grade , gauntlets 235	Trud M , helmet	Universal-plus, gloves
Svarschik, boots	Top gun , leather jacket 33	Tullus , low shoes	Universal, jacket 54
Sweeping brush251	Topper , boots	Tunic-like apron 63	Universal, knee caps

Universal, semi-overall 54	Snegir	Z
Utah-L , boots	Uniform15	
Utah , boots	Warmup for technical staff 89 warning	
Utah, high boots	Warm effect, gloves	
	Warning cone251	Zaschita, overall 101
V	Welding shield	
Vachegi	Whisper, earplugs	
Veles , cold-protective suit 83	Winch for tripod 212	
Verapol+ , cream 243	Windbreaker jacket	Zima, coat
Vibraguard, gloves	Real	
Vibrostat-01 , gloves 236	Winter	
Vibroton, gauntlets	boots	
Vidder , gloves	cold-protective jacket	Zima, suit
Visilux, spectacles	cold-protective semi-overall 84 cold-protective trousers 22, 84	
Visitor , spectacles 174, 176, 180	Winter Monkey Grip, gauntlets 233	
Volna , gloves	Winter Monkey Grip, gloves 233	Zirkon 300 , gloves
W	WorkGuard, gloves	 , g.o.c
Waistcoat	X	
City		
Econom, signal 43	X Trend, spectacles 176	Zirkon 500 , gloves
fur89	X-fit , ear plugs	
Gabarit-4,signal 43		
Gabarit, signal 43	Y	
Milan		
Nord, insulated 89	Yenisey, winter hat	Zirkon 800 , gloves 225

Occupational safety standards system. Protective clothing overalls for protection from acid solutions. Protection classes. GOST R 12.4.248-2008

Class 1 – K20 for protection against acids with concentration up to 20%;

Class 2 – K50 for protection against acids with concentration from 20% up to 50%;

Class 3 – K80 for protection against acids with concentration from 50% up to 80%;

Class 4 – Kk for protection against acids with concentration above 80%.



All "Technoavia" work wear is certified in compliance with state standards. Here is a list of the basic Russian State Standards and Specifications "Technoavia" work wear is certified in compliance with state standards. noavia" clothes comply with, symbols of protective properties and corresponding diagrams.

GOST, TU	Description	Symbols of protective properties (Russian)	Pictograms
GOST R 12.4.219-99	High-visibility warning clothing	Со	M
GOST 27575-87	Men's suits for general industrial contamination and mechanical action protection	ЗМи	
GOST 27574-87	Women's suits for general industrial contamination and mechanical action protection	3Ми	
GOST 12.4.100-80	Man's overalls for protection against non-toxic dust, mechanical effects and general industrial contaminations	3Ми	
GOST 12.4.132-83	Men's smocks:		
	fabric density up to 200 g/m ²	3	
	fabric density more than 200 g/m ²	ЗМи	
GOST 12.4.131-83	Women's smock-frocks:		
	fabric density up to 200 g/m ²	3	
	fabric density more than 200 g/m ²	ЗМи	
GOST R 12.4.236-2007*	Protective clothing for low temperatures	Тн	
GOST 12.4.111-82	Men's overalls for oil and oil products protection	Нм Нл; Нсмл	5
TU 17-08-269-87	Men's overalls for oil and oil products protection, protection against low temperatures	Тн, Нсмл	
GOST R 12.4.247-2008**	Protective clothing for protection from sparks and splashes of melted metal	Тр	
TU 8572-017-00302190-93	Men's summer welder suit	Тр	8
GOST 12.4.045-87	Men's suits for protection against high temperatures	Тит	8
TU 17 RSFSR 5109240-5584-90	Special clothing for protection against mechanical impacts and harmful biological agents	МиБн	•
GOST R 12.4.248-2008	Men's overalls for acid protection	K80	
GOST 27643-88	Men's overalls for protection from water	Вн	(
GOST 12.4.134-83	Men's cloaks for protection from water	Вн	(
In December 1, 2011 new technical requirements	First level of thermal protection – for use in climatic zones I, II; "Technoavia" cl	othes are certified in c	ompliance with the

GOST, TU	Description	protective properties (Russian)	Pictograms
GOST 12.4.029-76	Special aprons: for protection against general industrial pollu- tions	3	
	for protection against sparks, spatter, molten metal	Тр	•
	for protection against water	Вн	(
GOST 9897-88	Complete set of sanitary clothes for men	3	
GOST 9896-88	Complete set of sanitary clothes for women	3	
GOST 25295-2003	Outerwear of coat-suit assortment		
GOST 25294-2003	Outerwear of dress-blouse assortment		
GOST R 50504-2009	Shirts		
GOST 28503-90	Fur-lined garments		
GOST 5710-85	Wool sheepskin and fur velour garments		
GOST R 53145-2008	Men's and boy's knitted underwear		
GOST R 53147-2008	Knitted outerwear for men and boys		
GOST 10325-79	Fur and fur trimmed head-dresses		
OST 17-635-87	Head-dresses		
TU 8572-005-01132732-97	Men's demi-season suit for crews of civil aviation	Тн	**
TU 8572-010-01132732-99	Summer suit for employees of civil aviation	3Ми	
TU 8928-002-01132732-98	Fur clothes for aviation	Тн	~
TU 8572-008-01132732-98	Men's insulated suit for ground services of airports and air cargo complexes	Тн	
TU 8572-006-01132732-98	Men's demi-season suit for engineering and technical staff of civil aviation	Тн	
** In July 1, 2009 GOST R 12.4.247-2008 "Protective clothing for protection from sparks and splashes of melted metal" came into effect. It provides 3 classes of protection depending on operation conditions	Class 2 – Protective clothing designed to perform manual welding at distance 50 cm. away from the heat spatter, splashes of melted metal, for work in installation and field conditions, for work in work shops;		

Symbols of

* In December 1, 2011 new technical requirements, GOST R 12.4.236-2011 "Protective clothing for low temperatures", came into effect. It replaces the old standard: GOST R 12.4.236-2007.

The new GOST presents a number of requirements for clothes to improve their quality.

Depending on climatic conditions (climatic zone), protective wear is divided into four levels of thermal protection:

First level of thermal protection – for use in climatic zones I, II;
Second level of thermal protection, for use in climatic zones

"Technoavia" clothes are certified in compliance with the new standard GOST R 12.4.236-2011 I. II and III:

Third level of thermal protection, for use in climatic zone IV: Forth level of thermal protection, for use in critical climatic

Indicators of meteorological conditions in different climatic regions (zones) of Russia see on page 264.

depending on operating conditions. Class 1 – Protective clothing designed to perform welding and allied processes at distance 2 m. away from the heat spatter, splashes of melted metal when servicing automated welding lines, machines; for work related to mechanical metal cutting;

Class 3 - Protective clothing designed to perform manual welding at distance 50 cm. away from the heat spatter, splashes of melted metal; for work in tight spaces such as tanks, pipelines, and similar working conditions in shipbuilding, pipeline laying, repair of railway rolling stocks; oxygen cutting.

Men's uniform size chart

Size label	Chest, cm		Waist, cm
92	육	90 – 93,9	78 – 81,9
96	d group	94 – 97,9	82 – 85,9
100	Second build-type g	98 – 101,9	86 – 89,9
104	ild-t	102 – 105,9	90 – 93,9
108	g	106 – 109,9	94 – 97,9
112		110 – 113,9	104 – 107,9
116	onb	114 – 117,9	108 – 111,9
120	Third type gi	118 – 121,9	112 – 115,9
124	를 를	122 – 125,9	116 – 119,9
128	Third build-type group	126 – 129,9	120 – 123,9
132	20	130 – 133,9	124 – 127,9

Height, cm
155 – 160,9
161 – 166,9
167 – 172,9
173 – 178,9
179 – 184,9
185 – 191

Chest

Men's workwear size chart

Size label	Chest, cm
88 – 92	86 – 93,9
96 – 100	94 – 101,9
104 – 108	102 – 109,9
112 – 116	110 – 117,9
120 – 124	118 – 125,9
128 – 132	126 – 133,9

Height label	Height, cm
158 – 164	155 – 166,9
170 – 176	167 – 178,9
182 – 188	179 – 191,0

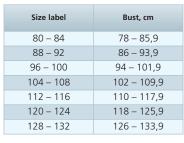


Men's shirt size chart

Size label	Chest, cm		Neck, cm
88		86-89,9	38
92	dno.	90 – 93,9	39
96	Second build-type group	94 – 97,9	40
100	Second I-type g	98 – 101,9	41
104	Jino	102 – 105,9	42
108	_	106 – 109,9	43
112	Third ouild-type group	110 – 113,9	44
116		114 – 117,9	45
120		118 – 121,9	46
124	Third I-type	122 – 125,9	47
128	ouijo	126 – 129,9	48
132	2	130 – 133,9	49

Height label	Height, cm	
158	155 – 160,9	
164	161 – 166,9	
170	167 – 172,9	
176	173 – 178,9	
182	179 – 184,9	
188	185 – 190,9	
194	191 – 196,9	
200	197 – 203	

Women's workwear size chart



Height label	Height, cm
146 – 152	143 – 154,9
158 – 164	155 – 166,9
170 – 176	167 – 178,9



Women's uniform size chart (2nd build-type group)

Size label	Bust, cm	Hips, cm	
84	82 – 85,9	90 – 93,9	
88	86 – 89,9	94 – 97,9	
92	90 – 93,9	98 – 101,9	
96	94 – 97,9	102 – 105,9	
100	98 – 101,9	106 – 109,9	
104	102 – 105,9	110 – 113,9	
108	106 – 109,9	114 – 117,9	
112	110 – 113,9	118 – 121,9	
116	114 – 117,9	122 – 125,9	
120	118 – 121,9	126 – 129,9	
124	122 – 125,9	130 – 133,9	
128	126 – 129,9	134 – 137,9	
132	130 – 133,9	138 – 141,9	

Height label	Height, cm
146	143 – 148,9
152	149 – 154,9
158	155 – 160,9
164	161 – 166,9
170	167 – 172,9
176	173 – 179



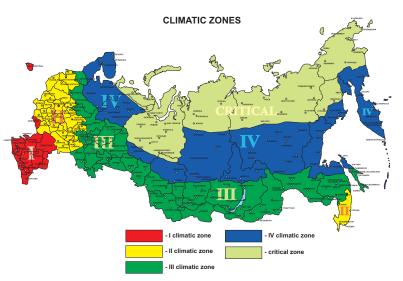
When choosing winter wear it is necessary to consider the possibility of its use in your climatic zone. It is important to note that clothing recommended for use in a particular climatic zone must comply with the standards for heat-insulating properties GOST 12.4.236-2011.

In accordance with GOST 12.4.236-2011 insulated overalls depending on the climatic zones of Russia and heat-shielding properties are divided into four levels of protection.

Level of protection	Climatic zone	Temperature in the winter months, °C	Wind speed* in the winter months, m/s
4	Critical	-25	6,8
3	IV	-41	1,3
2	III	-18	3,6
1	I-II	-9,7	5,6

^{*} The most probable wind speed for the climatic zone

Note: the requirements are set considering moderate physical work (130 W/m²) and the duration of continuous stay in the cold for no longer than two hours.



Climatic zones

I climatic zone

Astrakhan Region **Belgorod Region**

Volgograd Region Kaliningrad Region Republic of Kalmykia Rostov Region

Stavropol Region

II climatic zone

Bryansk Region Vladimir Region Voronezh Region Ivanovo Region Kaluga Region Kursk Region Leningrad Region Lipetsk Region Republic of Mari El Republic of Mordovia Moscow Region Nizhni Novgorod Region Novgorod Region Orel Region

Penza Region Primorye Region Pskov Region Ryazan Region Samara Region Saratov Region Smolensk Region Tambov Region Tver Region Tula Region Ulyanovsk Region Chuvash Republic Yaroslavl Region

Udmurtia Region

III climatic zone

Altai Republic Amur Region Republic of Bashkortostan Republic of Buryatia Vologda Region Irkutsk Region (except the areas listed below) Republic of Karelia

Krasnoyarsk Territory (except the areas listed below) Kurgan Region Novosibirsk Region Omsk Region Orenburg Region Kemerovo Region Perm Region

Kirov Region

Kostroma Region

Sakhalin Region (except the areas listed below) Sverdlovsk Region Republic of Tatarstan Tomsk Region (except the areas listed below) Republic of Tuva

areas listed below)

Khabarovsk Region (except the areas listed below)

Chelyabinsk Region Tyumen Region (except the

Chita Region

IV climatic zone

Arkhangelsk Region (except the territories located beyond the Arctic Circle)

Irkutsk Region (areas: Bodaibo, Katanga, Kirensk, Mamsko-Chuisky)

Kamchatka Region Republic of Karelia (to the north of 63° north latitude) Komi Republic (the areas south of the Arctic Circle) Krasnovarsk Region (Territory of Evensk and Turukhansk district. located south of the Arc-

tic Circle) Kurile Islands

Magadan Region (except the Chukotka Autonomous District and the areas listed below) Murmansk Region

Republic of Sakha (Yakutia) (except Oimyakon district and areas north of the Arctic Circle) Sakhalin Region (regions: Nog-

liksky, Okhtinsky) Tomsk Region (regions: Bakcharsky, Verhneketsky, Krivosheinsky, Molchanovsky, Parabelskiy, Chainsky and territories of Alexandrovsky region

south of 60° north latitude)

Tyumen region (Khanty-Mansi and Yamal-Nenets autonomous districts, except the areas located north of 60 ° north latitude)

Khabarovsk Region (regions: Ayano-Maisky, Nikolayevsky, Okhotsky, Pauline Osipeko, Tuguro-Chumikansky, Ulchi)

tonomous districts, located north of 60 ° north latitude) Chukotka Autonomous District

Critical climatic zone

Magadan Region (areas: Omsukchan, Ola, North Even, Srednekan, Susuman, Tenkinsky, Khasyn, Yagodninsky) Republic of Sakha (Yakutia)

(Oimyakon District)

The area, located north of the Arctic circle (except the Murmansk region) Tomsk Region (Alexandrovsky region and Kargasok area located north of 60 ° north lati-

and Kargasok area, located

Tyumen region (Khanty-Mansi and Yamal-Nenets au-