



Personal Protective Equipment Selection Guide

Select from our wide range
of major brands

March 2017

 uk.rs-online.com (UK)

 www.rs-online.com (International)



Personal Protective Equipment Selection Guide

CONTENTS

GLOVES

Reusable & Disposable Gloves

Helps you find the right gloves to protect your workforce from injury.



Page 3

HEARING PROTECTION

Hearing Protection

Helps you ensure you have the right hearing protection for all areas of your workplace.



Page 21

RESPIRATORY PROTECTION

Respiratory Protective Equipment

Helps you select the right breathing protection for all of the applications that your workforce are exposed to.



Page 34

EYEWEAR

Eye Protection

Choose the eyewear for the task in hand and protect your vision. Includes key European standards to look out for.



Page 45

Reusable & Disposable Gloves

INTRODUCTION

Welcome to our Glove selection guide.

This guide helps you choose the most appropriate reusable or disposable glove to use in your workplace environment and for your application. It sets out the important points to consider when selecting a glove and provides details of the different types of glove we offer.

We include an overview of relevant safety standards that you should be aware of when choosing either reusable or disposable gloves, as well as how and where to measure to get the right fit.



WHY BUY FROM RS?

As industry experts we offer a wide range of Gloves for every requirement and environment, from professionally-approved RS products, to gloves from many of the market leading brands. This means you can find all the products you need from one source, with next day delivery, competitive pricing and bulk discounts.

REUSABLE GLOVES

Page 5

We have divided our reusable gloves range into nine types, according to application:

Anti-vibration

Reduces the effect of impact, shock and vibration for users of powered hand-held tools, or those needing to hold a workpiece in direct contact with machinery.

Chemical resistant

Protects users from harmful chemical effects used in industrial and pharmaceutical applications.

Cold resistant

Protects users from extreme cold exposure for applications such as farming, construction and machine operation.

Cut resistant

Provides protection from sharp objects. Typically used in food and catering applications.

Electrical safety

Protects electrical engineers from shock while working on live electrical equipment.

General purpose

Gives the wearer protection against a variety of hazards such as cut, tear, puncture or abrasion. Used where protection from more than one hazard is needed.

Heat resistant

Protects from extreme heat exposure. Typically used in laboratory work, construction or catering.

Puncture resistant

Protects users from sharp objects such as glass fragments, metal shards, wood splinters, nails, wire and needles.

Special purpose

A range of gloves to include oil repellent, flame resistant and those with special coatings for niche applications.



DISPOSABLE GLOVES

Page 17

Glove Material

Disposable gloves are split into categories according to their construction material:

Latex

Designed for comfort and dexterity.

Neoprene

Possess very high chemical resistance and are low in allergens.

Vinyl

A low cost glove with low allergens.

Nitrile

With high chemical resistance, high strength and puncture resistant.

Polyethylene

Another low cost glove with low strength.

Polymer

Comfortable to wear, with low allergens and moderate strength.

Glove Type

Disposable gloves divide into three types according to their intended application.

Chemical resistant

Protects users from harmful chemical effects for a limited period of time for industrial applications.

Medical

These gloves offer the highest level of quality for higher-risk environments.

Minimal risk

Protects user from low-level risks for janitorial, general maintenance and light food processing tasks.



THE IMPORTANCE OF SIZE

Choosing the correct size of glove is important. Wearing gloves that are too tight or too loose can impair the grip or create folds and be uncomfortable.

When users are issued with comfortable gloves of the correct size, they are more likely to be worn and safety is less likely to be compromised.

REUSABLE GLOVES

Size Range	Size (inch)	Size cm
Small	6-8	15-20
Medium	9	21-23
Large	10	24-25
Extra Large	11-12	26-30

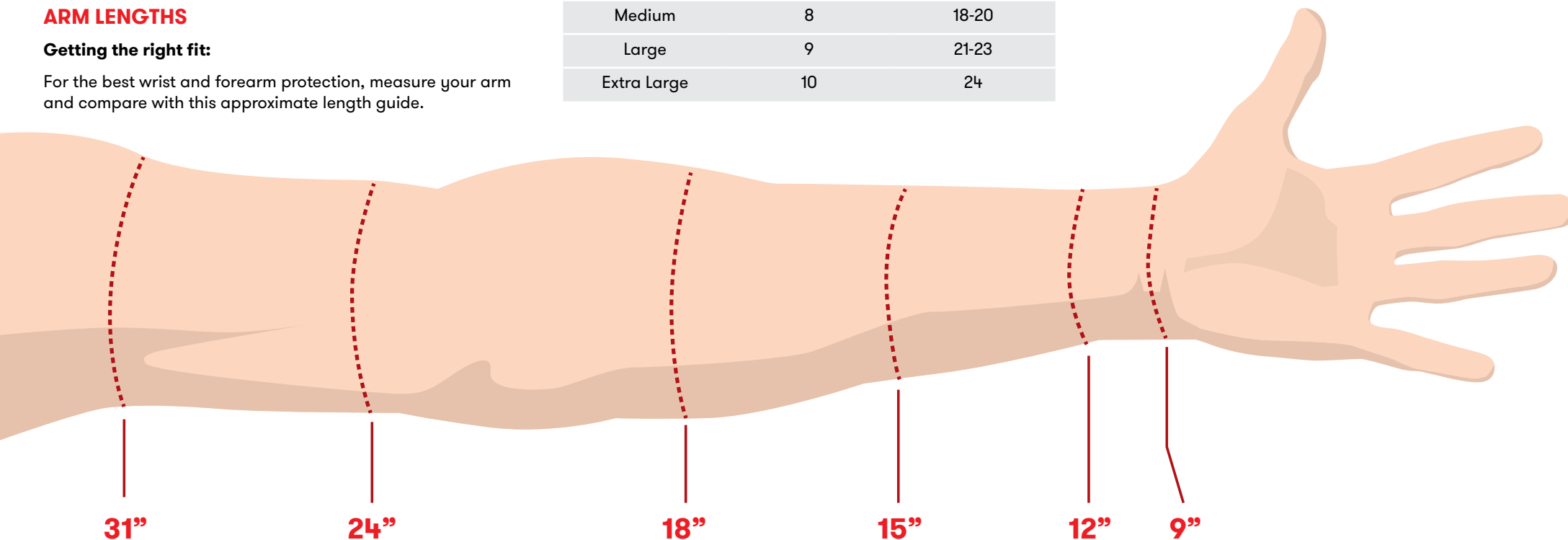
DISPOSABLE GLOVES

Size Range	Size (inch)	Size cm
Small	6-7	15-17
Medium	8	18-20
Large	9	21-23
Extra Large	10	24

ARM LENGTHS

Getting the right fit:

For the best wrist and forearm protection, measure your arm and compare with this approximate length guide.



REUSABLE GLOVES: SAFETY STANDARDS

Reusable gloves within the RS range are provided by a number of suppliers and manufacturers and each is designed to comply with differing protection standards. To enable easy comparison and shopping within the gloves range, RS provides details of various compliance levels and ratings within the specifications table relating to each product.

Buyers can filter the range by selecting the specific European Standard they need for each application and comparing the relevant products.

The European and US standards are still the most frequently referred to even outside these continents. There are some national standards and specifications available although these are not normally recognised outside of their regions.



EUROPEAN STANDARDS

EN420 - general requirements

EN420 defines the general requirements for most types of protective gloves:

- Product and packaging information and marking
- Design and construction
- Fitness for the purpose
- Comfort and efficiency
- Innocuousness
- Storage
- Sizing

Electrical Safety Gauntlets

Electrical Safety Gauntlets are classed by the maximum working AC voltage that they protect against:

Class	Maximum working AC voltage
00	500V
0	1,000V
1	7,500V
2	17,000V
3	26,500V
4	36,000V

i The higher the 'Rating' score, the better the performance.
0 represents a fail; X denotes no test was carried out.

Mechanical Hazards EN388



abcd

- a. Resistance to abrasion
- b. Blade cut resistance
- c. Tear resistance
- d. Puncture resistance

Rating

- 0-4
- 0-5
- 0-4
- 0-4

Chemical and Micro-Organism EN374



EN374-2 Resistance to penetration by micro-organisms. Referred to as Acceptable Quality Level (AQL)

EN374-3 Resistance to chemical hazards (permeation)

Rating

- 1-3
- 1-6

Thermal Hazards (Heat and/or Fire) EN407



abcd

- a. Burning behaviour
- b. Contact heat
- c. Convection heat
- d. Radiant heat
- e. Small splashes of molten metal
- f. Large splashes of molten metal

Rating

- 0-4
- 0-4
- 0-4
- 0-4
- 0-4
- 0-4

Protection from Cold EN511





- a. Resistance to convection cold
- b. Resistance to contact cold
- c. Permeability to water

Rating

- 0-4
- 0-4
- 0-1



GENERAL PURPOSE

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size								
							Abrasion	Blade	Tear	Puncture	6	S 7	8	M 9	L 10	11	XL 12	One Size	
 	1	White Cotton Gloves		No	No	No	X	X	X	X			278-7614	278-7620					
	2	Nitrile Heavy Duty Gloves		No	No	No	4	1	1	1			475-726	475-669					
	3	Lightweight Cotton Gloves		No	No	No	X	X	X	X				613-2327					
	4	White Nylon Gloves		No	No	No	1	1	4	X				613-2349					
	5	Seamless Knitted Orange Gloves		No	No	No	1	1	3	1									508-1408
	6	Drivers Style Grain Cowhide Gloves		No	No	No	2	1	2	2				508-1379	508-1391				
	7	PVC Knit Wrist Gloves		No	No	No	4	1	2	1					563-056				
	8	Standard Rigger Gloves		No	No	No	4	1	4	4				547-6991					
	9	Light Protection Gloves		No	No	No	3	1	3	1			475-704	475-693	475-697				
	10	Latex Coated Grip Gloves		No	No	No	4	1	4	2			869-1531	869-1534	869-1538				
	11	PU Coated Polyester Gloves Black		No	No	No	4	1	3	1			869-1547	869-1540	869-1544				
	12	PU Coated Polyester Gloves White		No	No	No	4	1	3	1			869-1553	869-1556	869-1550				
	13	PU Coated Nylon Gloves		No	No	No	4	1	3	1			869-1569	869-1562	869-1566				
	14	Nitrile Coated Polyester Gloves Black		No	No	No	4	1	3	1			869-1581	869-1578	869-1572				
	15	Nitrile Coated Polyester Gloves Grey		No	No	No	4	1	3	1				869-1584	869-1588				
	16	Knuckle Coated Nitrile Gloves		No	No	No	4	1	3	1			869-1604	869-1607	869-1601				
	17	Hgflex PU Coated Gloves	11-600	No	No	No	3	1	3	1			775-4502	775-4505	775-4509				
	18	Hgflex Lite PU Palm Coated Gloves	11-601	No	No	No	3	1	3	1		152-974	731-2912	152-980	731-2915				
	19	Hgflex Ultra-Lite PU Palm Coated Gloves x 1	11-618	No	No	No	2	1	2	1			484-174	484-130	484-180				
19	Hgflex Ultra-Lite PU Palm Coated Gloves x 12	11-618	No	No	No	2	1	2	1			713-4264	713-4273	713-4276					



GENERAL PURPOSE

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size								
							Abrasion	Blade	Tear	Puncture	6	7	8	M 9	L 10	11	12	XL	One Size
Ansell		Hyflex Nitrile Foam Glove Blue	11-818	No	No	No	4	1	2	1			791-7508	791-7517	791-7510				
		Hyflex Nitrile Foam Glove Black	11-840	No	No	No	4	1	2	1			791-7514	791-7523	791-7526				
		Hynit Cool Nitrile Coated Gloves	32-815	No	No	No	3	1	1	1			159-3654						
		Hyd-Tuf Rigger Gloves	52-547	No	No	No	3	1	1	1			285-4837	285-4821					
		Stringknits General Handling Gloves	76-200	No	No	No	2	1	4	X				712-545					
		ActivArm Light Duty Glove	97-007	No	No	No	3	1	3	1			791-7520	791-7539	791-7532				
		Projex Heavy Duty Impact Glove	97-975	No	No	No	4	1	2	1			768-2101	768-2110	768-2113				
		Projex Heavy Duty Leather Glove	97-977	No	No	No	4	1	3	2			768-2094	768-2104	768-2107				
BAHCO		White Cotton Glove	2820VCOT	No	No	No	X	X	X	X									688-0451
DEWALT		Gripper Gloves	DPG70L	No	No	No	3	1	4	1				667-8413					
		Finger Framer Work Gloves	DPG24L	No	No	No	4	1	4	1				728-6967					
DELTA PLUS		Water-Repellent Cowhide Full Grain Leather Gloves	CBHV2	No	No	No	3	1	3	2				479-229	479-223				
		Waterproof Leather Gloves	FBH60	No	No	No	2	1	2	2			705-6013	705-6022	705-6025				
		Water-Repellent Leather Gloves Tan	FIB49	No	No	No	4	1	2	2					479-263				
		Polyester Cotton Knitted Gloves	TP169	No	No	No	1	2	3	X				479-213					
		Knitted Cotton/Polyester With Latex Coating Gloves	VE730OR	No	No	No	2	2	4	2				530-643	530-659				
Honeywell		Apollon Knitted Gloves	VV73307	No	No	No	3	1	3	1			703-0783	703-0786					703-0780
		Perfect Poly White Gloves	2232255	No	No	No	4	1	3	1			457-9061	457-9077	457-9083	457-9099			
		Perfecy Poly Grey Gloves	2400250	No	No	No	4	1	2	1			457-9190	457-9207	457-9213	457-9229			
		Polytril Protective Gloves	2232273	No	No	No	4	1	2	1	674-6698	674-6692	674-6702	674-6705	674-6709	674-6721			



GENERAL PURPOSE

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size							
							Abrasion	Blade	Tear	Puncture	6	S 7	8	M 9	L 10	11	XL 12	One Size
Kimberly-Clark PROFESSIONAL		G40 Polyurethane Coated Gloves	13838	No	No	No	3	1	3	1			774-6977	774-6970	774-6974	774-6983		
		G40 Latex Coated Gloves	97271	Yes	No	No	2	1	4	2			715-8153	715-8162	715-8165	715-8169		
		G40 Foam Coated Nitrile Gloves	40226	No	No	No	4	1	3	1			715-8134	715-8137	715-8131	715-8140		
MAPA PROFESSIONNEL		Ultrane Fingertip Precision gloves	551	No	No	No	4	1	3	1			475-845	475-788	475-794			
		Ultrane Long Last Abrasion Nitrile Gloves	553	No	No	No	4	1	2	1			475-827	475-833	475-839			
		Ultrane Grip and Proof Nitrile Gloves	500	No	No	No	4	1	2	1			874-0554	874-0557	874-0551			
		Ultrane Air and Durable Handling Protection Gloves	510	No	No	No	4	1	3	1			124-0207	124-0208	124-0209			
		Ultra Re-inforced Fingertip and Palm Gloves	546	No	No	No	4	1	3	1			124-0210	124-0211	124-0212			
		Ultrane Grip and Proof Oilproof Gloves	526	No	No	No	4	1	2	1			874-0462	874-0466	874-0475			
Polyco		Matrix F Grip P/C Gloves	102-MAT	No	No	No	4	1	2	1			705-8839	705-8848	705-8841			
		Matrix P Grip P/C Gloves	402-MAT	No	No	No	3	1	3	1			705-8845	705-8854	705-8857			
		Matrix S Grip Gloves	502-MAT	No	No	No	2	1	3	1			705-8823	705-8832	705-8835			
		Taskmaster Latex Gauntlet	850	No	Yes	No	4	1	3	1				613-3336				
		Reflex T Seamless Knitted Liner Gloves	860	No	No	No	3	1	4	2			513-4580	513-5101	513-4596			
		Reflex T Grey Liner Gloves	864T	No	No	No	3	1	4	2				622-6983				
		Polyflex PU Coated Gloves White	880	No	No	No	4	1	4	2			613-2399	613-2428				
		Polyflex PU Coated Gloves Grey	880G	No	No	No	4	1	4	2				613-2434	613-2456			
		Grip-it Foam Tactile Gloves	883	No	No	No	4	1	2	1			622-7043	622-7059	622-7065			
		Grip-it Fully Coated Gloves	884	No	No	No	4	1	2	2				622-7037				
		Nitron Lite Palm Coated Gloves	931	No	No	No	4	1	1	1			797-5585	622-6977	797-5588			



GENERAL PURPOSE

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size								
							Abrasion	Blade	Tear	Puncture	6	7	8	M 9	L 10	11	XL 12	One Size	
		Nitron Heavy Duty Nitrile Coated Gloves	940	No	No	No	4	2	2	1				613-1863					
		Mediumweight Knitted Sockinette Polycotton Gloves	CK21KW/LDS	No	No	No	X	X	X	X	562-968	562-952							
		Pure Dex Inspection Nylon Gloves	CR200	No	No	No	2	2	4	2		367-9362	367-9384						
		Imola Lined Driving Style Glove	DR300	Yes	No	Yes	4	1	3	1		913-9823	913-9832	913-9835					
		Monza Driving Style Glove	DR400	Yes	No	No	4	1	2	2		913-9839	913-9848	913-9841					
		Rigmaster Cotton Chrome Knit Wrist Gloves	LC176	No	No	No	4	1	4	4		228-8016	228-8066						
		Premium Chrome Rigger Leather Split Gloves	LR158	No	No	No	4	1	4	4				508-1341					
		Multi-Task 3 Finger Gloves	MT3	No	No	No	2	1	2	1	467-315	467-298	467-327	467-309					
		Multi-Task 5 Mechanics Gloves	MT5	No	No	No	2	1	2	1	774-4079	774-4088	774-4081						
		Grip It Oil Gloves	GIO	No	No	No	4	1	2	2	124-0680	124-0681	124-0682	124-0683	124-0684				
		Grip It Wet Gloves	GIW	Yes	No	No	3	1	4	2		124-0692	124-0693	124-0694					
	Cotton Glove Liner	G86	No	No	No	X	X	X	X		918-2215				918-2224				
		281 Temres PU Coated Gloves	SHO281	No	No	No	4	1	2	1		877-7474	877-7483	877-7486					
		306 Latex Grip Gloves	SHO306	No	No	No	2	1	2	1	877-7424	877-7433	877-7436						
		310 Orange Grip Gloves	SHO310	No	No	No	2	1	4	2		877-7430	877-7449	877-7442					
		330 Re-inforced Grip Gloves	SHO330	No	No	No	2	1	4	2		877-7446	877-7455	877-7458					
		377 Foam Coated Nitrile Gloves	SHO377	No	No	No	4	1	2	1	877-7452	877-7461	877-7464						
		Beta 1 Low Risk Gloves	SKY50	No	No	No	4	1	2	1		877-7480	877-7499	877-7492					



GENERAL PURPOSE

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size							
							Abrasion	Blade	Tear	Puncture	6	S 7	8	M 9	L 10	11	XL 12	One Size
uvex		Phynomic Lite Glove, Grey/White,	60040	No	No	No	3	1	2	1			130-4443	130-4444	130-4445	130-4446		
		Phynomic Foam Dry Glove GRY/WHT	60050	No	No	No	3	1	3	1			130-4452	130-4453	130-4454	130-4455		
		Unilite 7700 Glove GRY/BLK	60585	No	No	No	4	1	3	1			130-4456	130-4457	130-4458	130-4459	130-4460	
		Unipur 6639 PU RD Glove	60963	No	No	No	4	1	3	1			127-8530	127-8531	127-8532	127-8533	127-8534	
		Unilite 6605 Foam RD Glove	60967	No	No	No	4	1	2	2			127-8535	127-8536	127-8537	127-8538	127-8539	

CUT RESISTANT

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size							
							Abrasion	Blade	Tear	Puncture	6	S 7	8	M 9	L 10	11	XL 12	One Size
RS PRO		Enhanced Coating Cut Level 3 Gloves		No	No	No	4	3	4	3			712-2703	712-2706	712-2700			
		Enhanced Coating Cut Level 5 Gloves		No	No	No	4	5	4	3		769-3630	769-3634	769-3643	769-3646	769-3640		
		Latex Coated Cut Level 5 Gloves		No	No	No	4	5	4	3			869-1610	869-1613	869-1617			
		PU Coated Cut Level 3 Gloves		No	No	No	4	3	4	3			869-1626	869-1629	869-1623			
Ansell		PU Coated Cut Level 5 Gloves		No	No	No	4	5	4	3			869-1632	869-1635	869-1639			
		Hyflex CR+ Nitrile Coated Intercept Liner Gloves	11-501	Yes	No	No	3	4	4	1			667-9775	667-9778	667-9772			
		Hyflex PU Dyneema Palm Coated Gloves	11-627	No	No	No	4	3	4	2			484-170	484-102	484-108			
		ActivArm HVAC Glove	97-002	No	No	No	4	3	2	1				768-2132	768-2135			
		ActivArm Plumber Glove	97-005	No	No	No	4	3	4	1				768-2129	768-2123			
		ActivArm Medium Duty Glove	97-008	No	No	No	4	2	3	2			791-7536	791-7545	791-7548			
	ActivArm Heavy Duty Glove	97-009	No	No	No	4	4	3	2			791-7542	791-7551	791-7551				



CUT RESISTANT

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size							
							Abrasion	Blade	Tear	Puncture	6	S 7	8	M 9	L 10	11	XL 12	One Size
		Venicut 41 Taeki S Nitrile Coated Gloves	VECUT41	No	No	No	4	4	4	4			755-7963	755-7966	755-7960			
		Venicut 41 Taeki S PU Coated Palm Gloves	VECUT42GR	No	No	No	4	4	4	2		703-0799	703-0792	703-0796	703-0806			
		Perfect Cutting Grey + Gloves	2232246	No	No	No	4	3	4	2		457-9140	457-9156	457-9162	457-9184			
		Perfect Cutting Grey/White + Gloves	2232245	No	No	No	4	3	4	2	674-6718	674-6711	674-6715	674-6724	674-6727			
		Kroflex Heavy Duty Cut Level 5 Gloves	840	Yes	No	No	4	5	4	3			667-9731	667-9734	667-9738			
		Kryknit Grip and Proof Cut and Oilproof Gloves	580	No	No	No	4	3	4	3			874-0478	874-0472	874-0481			
		Kryknit Grip and Proof Nitrile Coated Gloves	582	No	No	No	4	5	4	3			874-0484	874-0488	874-0497			
		Krytech Air and Durable Cut Level 3 Gloves	511	No	No	No	4	3	4	1			124-0213	124-0214	124-0215			
		Krytech Air and Durable Cut Level 5 Gloves	531	No	No	No	4	5	4	2			124-0216	124-0217	124-0218			
		Krytech Cut, Grip and Dexterity Gloves	588	No	No	No	4	3	4	3			124-0219	124-0220	124-0221			
		Krotech Food Industry Gloves	838	No	No	No	2	5	4	X			124-0223	124-0224	124-0225			
		5 Digit Chain Mail Glove	LS327	No	No	No	X	5	4	2			199-0803					
		Metallica Ultra Cut Resistant Gloves	658	No	No	No	X	5	4	2				760-8894				
		Touchstone Medium Weight Kevlar Gloves	751	Yes	No	No	1	3	4	X			622-7116	622-7100				
		Touchstone Grip Medium Weight Kevlar Gloves	753	Yes	No	No	1	3	4	X				622-7122				
		Dyflex PU Coated Gloves White	882	No	No	No	4	3	4	3				622-7138				
		Dyflex PU Coated Gloves Grey	882G	No	No	No	4	3	4	3				622-7144				
		Granite 5 Beta Kevlar Gloves	891	Yes	No	No	3	5	3	4					513-5044			
		BladeShades High Cut Resistant Dyneema Glove	BSK	No	No	No	3	5	4	3			819-9864	819-9868	819-9877			
		Matrix Lightweight Seamless Knitted Liner Gloves	GH370	No	No	No	4	5	4	4			760-8862	760-8866	760-8875			



CUT RESISTANT

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size							
							Abrasion	Blade	Tear	Puncture	6	7	8	M 9	L 10	11	XL 12	One Size
Polyco		Dyflex Blue Gloves	8823B	No	No	No	4	3	4	2				124-0700	124-0701			
		Dyflex Air Gloves	DFA	No	No	No	3	3	4	2		124-0702	124-0703	124-0704	124-0705			
		Dyflex Plus N Gloves	DPN	No	No	No	4	5	4	3		124-0695	124-0696	124-0697	124-0698	124-0699		
		Grip It Oil Gauntlet C5	GIOG5	Yes	Yes	No	4	5	4	2				124-0668	124-0669			
		Grip It Oil C5 Gloves	GIOK	No	No	No	4	5	4	4		124-0670	124-0671	124-0672	124-0673	124-0674		
		Grip It Oil C3 Gloves	GIOK3	No	No	No	4	3	4	3		124-0675	124-0676	124-0677	124-0678	124-0679		
SHOWA		KV3 Latex Coated Gloves	SHO390	No	No	No	3	5	4	4			877-7519	877-7528	877-7521			
		S-TEX 3/4 Coated Gloves	SHOS376	No	No	No	4	4	4	1		877-7547	877-7556	877-7559				
		Ninja X4 Cut Level 4 Gloves	SKY03	No	No	No	4	4	3	2			877-7525	877-7534	877-7537			
SKYTEC		Ninja Knight Lightweight Cut 5 Gloves	SKY27	No	No	No	4	5	4	4			877-7531	877-7540	877-7543			
		Gamma 3 Medium Risk Gloves	SKY51	No	No	No	4	3	4	3			877-7496	877-7506	877-7509			
		Theta 5 High Risk Gloves	SKY52	No	No	No	4	5	4	2			877-7503	877-7512	877-7515			
		Sapphire Lightweight Cut Level 3 Gloves	SKY66	No	No	No	4	3	4	2			877-7553	877-7562	877-7565			
		Ultimus Lite Lightweight Cut Level 5 Gloves	SKY68	No	No	No	4	5	4	2			877-7629	877-7622	877-7626			



CUT RESISTANT

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size							
							Abrasion	Blade	Tear	Puncture	6	S 7	8	M 9	L 10	11	12	One Size
uvex	1	C500 Foam Cut Resistant Glove	60494	No	No	No	4	5	4	2			130-2370	130-2371	130-2372	130-2373	130-2374	
	2	C500 Dry Cut Resistant Glove	60499	No	No	No	2	5	4	X			130-2375	130-2376	130-2377	130-2378	130-2379	130-2380
	3	Unidur 6613 PU 3 Finger Glove WHT/GRY	6613	No	No	No	4	3	4	3			130-2381	130-2382	130-2383	130-2384		
	4	Phynomic C3 Glove Blue/Grey	60080	No	No	No	4	3	4	3		130-4431	130-4432	130-4433	130-4434	130-4435	130-4436	
	5	Unidur 6649 Foam OR Glove	60966	No	No	No	4	3	4	3			127-8540	127-8541	128-8447	128-8448	128-8449	
	5	Unidur 6659 PU GR Glove	60964	No	No	No	4	5	4	2			128-8450	128-8451	128-8452	128-8453	128-8454	
	5	Unidur 6659 Foam GR Glove	60965	No	No	No	4	5	4	3			128-8455	128-8456	128-8457	128-8458	128-8459	

CHEMICAL RESISTANT

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size							
							Abrasion	Blade	Tear	Puncture	6	S 7	8	M 9	L 10	11	12	One Size
RS PRO	6	Blue and Yellow Latex, Neoprene Gloves		No	Yes	No	2	1	2	0			475-675	475-665	475-738			
	7	Black Neoprene Rubber Gloves		No	Yes	No	3	1	2	1			475-817	475-811				
	8	Green Nitrile Rubber Gloves		No	Yes	No	4	1	0	1			475-732	475-748	475-722			
	9	Flock Lined Nitrile Synthetic Gloves Green		No	Yes	No	4	0	0	2		508-1600	508-1874	508-1896	508-1616			
	10	Flock Lined Nitrile Synthetic Rubber Gloves Blue		No	Yes	No	4	0	0	2		508-1622	508-1903	508-1919	508-1638			
	11	Heavyweight PVC Gauntlet		No	Yes	No	4	1	2	1							563-062	
Ansell	12	Lightweight Natural Rubber Gloves Flock Lined		No	Yes	No	1	0	1	0		508-1414		508-1420				
	13	Sol-Vex Nitrile Gloves	37-675	No	Yes	No	4	1	0	1			186-3492	186-3509	667-9762			
	14	Alphatec Nitrile Glove	58-270	No	Yes	No	X	1	3	1			749-7066	749-7060	749-7079			
Honeywell	15	Virtex Nitrile Glove	79-700	No	Yes	No	1	0	0	1			484-114					
	16	FINEDEX Soft PV Gloves	2009810	No	Yes	No	3	X	X	X		674-6730	674-6733	674-6737				



CHEMICAL RESISTANT

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size							
							Abrasion	Blade	Tear	Puncture	6	7	8	M 9	L 10	11	XL 12	One Size
MAPA PROFESSIONNEL		Vital Liquid Proof Protection Glove	117	No	Yes	No	1	0	1	0			874-0501	874-0510	874-0513			
		Trident Chemical Forearm Protection 60cm	285	No	Yes	No	2	1	3	1				874-0523	874-0532			
		Industrial Natural Latex Gloves	299	No	Yes	No	3	1	2	0			874-0517	874-0526	874-0529			
		Neotex Latex, Neoprene Gloves	340	Yes	Yes	No	3	1	2	1				874-0541	874-0545			
		Ultranitril Nitrile Gloves	492	No	Yes	No	4	1	0	1			874-0535	874-0539	874-0548			
Marigold		Suregrip Natural Rubber Gloves	GO4Y	No	Yes	No	3	1	1	0			861-631	861-647	861-653			
		Fortex Plus Latex Gauntlet	850	No	Yes	No	4	1	3	1					350-1398			
		Optima Rubber Gloves	425	No	Yes	No	1	0	2	0	613-3112			613-3134				
Polyco		Pura Mediumweight PVC Gloves	475	No	Yes	No	2	1	0	0			613-3128	613-3140				
		Vyflex Seamless PVC Gauntlet	P93	No	Yes	No	4	1	2	1				774-4050	774-4053			
		ChemProtec Rubber Gloves	SC104	No	Yes	No	3	1	3	1				613-3342	613-3358			
		Jet Black Gloves	525	No	Yes	No	4	1	4	1	124-0706	124-0707	124-0708					
		Grip It Oil Gauntlet	GIOG1	No	Yes	No	4	1	2	1			124-0685	124-0686	124-0687			
SHOWA		N-Dura Nitrile Synthetic Gloves	ND45	No	Yes	No	4	1	0	2			124-0665	124-0666	124-0667			
		660 PVC Gauntlet	SHO660	No	Yes	No	4	1	2	1				877-7581	877-7590	877-7593		
		720 Nitrile Gauntlet	SHO720	No	Yes	No	3	1	3	2	877-7604	877-7613	877-7616	877-7610				
		771 Nitrile Gauntlet	SHO771	No	Yes	No	4	1	1	1			877-7597	877-7607	877-7600			



ELECTRICAL SAFETY

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size								
							Abrasion	Blade	Tear	Puncture	6	S 7	8	M 9	L 10	11	12	XL	One Size
		1000V Insulated Gloves	CG-10C	No	No	No	X	X	X	X				493-281	493-279				
		Electricians Gloves 1000V	BC.90VSE/BC.91VSE	No	No	No	X	X	X	X				162-2847	769-8689				
		Electricians Gloves 500V	BC.80VSE/BC.81VSE	No	No	No	X	X	X	X				769-8698	769-8691				
		Electricians Overgloves	BC.109VSE/BC.110VSE	No	No	No	X	X	X	X				769-8695	769-8705				
		1000V Insulated Gloves	98 65 40	No	No	Yes	X	X	X	X				500-1187	500-1193				
		Class 00 - 500V Electrical Gauntlet	RE00360	No	No	No	X	X	X	X	766-2551	517-8085	517-8091						
		Class 0 - 1000V Electrical Gauntlet	RE0360	No	No	No	X	X	X	X	766-2560	517-8108	517-8114						
		Class 1 - 7500V Electricians Gauntlet	RE1360	No	No	No	X	X	X	X				517-8142	517-8158				
		Class 2 - 17000V Electricians Gauntlet	RE2360	No	No	No	X	X	X	X				517-8164	517-8186				
		Electricians Glove Protector No Buckle	RE-PRO/NB	No	No	No	3	1	2	1			766-2563	517-8120	517-8136				
		Electrical Composite Gauntlets Class 0	GICN-BT	No	Yes	No	X	2	2	2				918-2221	918-2230				
		Electrical Latex Gauntlets Class 00	GLE3600	No	Yes	No	X	X	X	X	918-2233	918-2237	918-2246	918-2249	918-2243				
		Electrical Latex Gauntlets Class 0	GLE360	No	Yes	No	X	X	X	X			918-2252	918-2255	918-2259	918-2268			
		Electrical Latex Gauntlets Class 1	GLE361	No	Yes	No	X	X	X	X			918-2261	918-2265	918-2274	918-2277			
		Electrical Latex Gauntlets Class 3	GLE363	No	Yes	No	X	X	X	0			918-2271	918-2280					
		Electrician Over Gloves	SCE 9	No	No	No	2	1	2	2				918-2454	918-2457	918-2451			

PUNCTURE RESISTANT

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size								
							Abrasion	Blade	Tear	Puncture	6	S 7	8	M 9	L 10	11	12	XL	One Size
		ActivArm Electrician Glove	97-001	No	No	No	4	3	4	2				768-2117	768-2126				
		HexArmor NSR Needle Resist Mechanic Style Gloves	HEX4041	No	No	No	4	5	2	2			788-7255	788-7264	788-7267				
		Needle Resistant Gloves	Q399	No	No	No	4	4	2	2			494-9864	494-9870	494-9892				



HEAT RESISTANT

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size							
							Abrasion	Blade	Tear	Puncture	6	7	8	9	10	11	12	One Size
		Temp-Cook Thermal Protection Gloves		Yes	Yes	Yes	4	4	4	3				710-5616		710-5610	710-5629	
		Mercury 400 Kevlar Gloves	43-113	Yes	No	No	2	5	4	X						285-4764		
		Kevlar Heat Resistant Gloves	KPG1009	Yes	No	No	1	5	4	X				479-217				
		Tempdex Heat Protection	710	Yes	No	No	4	1	1	1				874-0560		874-0563		
		Volcano Kevlar Heavyweight Gauntlet	756	Yes	No	No	2	5	4	1						770-9293		
		Hot Glove	901	Yes	No	No	2	1	1	1				467-321				

COLD RESISTANT

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size							
							Abrasion	Blade	Tear	Puncture	6	7	8	9	10	11	12	One Size
		Thermal Lined Latex Coated Gloves		No	No	Yes	2	2	4	3					869-1657	869-1654		
		VersaTouch Thermal Knitted Gloves	78-102	No	No	Yes	1	1	3	X				827-8826				
		Powerflex Hi-Viz Gloves	80-400	Yes	No	Yes	X	2	3	1			667-9794	667-9804	667-9807			
		Temp Ice Gloves	700	No	No	Yes	3	2	2	2			874-0494	874-0504	874-0507			
		Saturn Hi-Vis Thermal Gloves	710	No	No	Yes	3	1	2	1				613-1879				
		Thermit Blue Knit Gloves	780	No	No	No	X	X	X	X				613-1857				
		Reflex Therm Gloves	863	No	No	Yes	2	2	4	2				513-4603				
		Matrix Hi-Viz Gloves	901-MAT	No	No	No	2	2	4	1	467-305	467-292	467-286	467-311				
		Freezemaster II Leather Insulated Gloves	FM2	No	No	Yes	2	1	1	2				739-7812				
		Grip It Oil Therm Gloves	GIOTH	No	No	Yes	4	1	2	2			124-0688	124-0689	124-0690	124-0691		
		Argon Gloves	SKY08	No	No	Yes	3	2	3	2			877-7569	877-7578	877-7571			



ANTI-VIBRATION

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size								
							Abrasion	Blade	Tear	Puncture	6	7	8	M 9	L 10	11	12	One Size	
		Tremor-Low Anti Impact/Vibration Gloves	876	No	No	No	X	3	4	3				622-6999	622-7009				

SPECIAL PURPOSE

Brand	Image	Description	Manufacturer Part No.	Thermal EN407	Chemical EN374	Cold EN511	Mechanical EN388				Size								
							Abrasion	Blade	Tear	Puncture	6	7	8	M 9	L 10	11	12	One Size	
		Fully Coated Grip Gloves		No	No	No	2	1	3	1				869-1590	869-1594				
		Nitrile Coated Grip Gloves		No	No	No	4	1	2	1			869-1648	869-1641	869-1645				
		Anti-static PU Finger Tip Gloves		No	No	No	4	1	3	1	869-1651	869-1660	869-1663						
		Anti-static PU Coated Gloves		No	No	No	4	1	3	1		869-1667	869-1676	869-1679					
		Hyflex Nitrile Foam Gloves White	11-800	No	No	No	3	1	3	1	769-8575	769-8578	769-8572	769-8581					
		Hyflex Nitrile Foam Gloves Grey	11-800	No	No	No	3	1	3	1	323-9970	667-9750	323-9986	667-9769					
		Hyflex Grip Nitrile Palm Coated Gloves	11-920	No	No	No	3	1	3	1		484-152	484-164	484-158					
		Hyflex Oil Repellent Gloves	11-926	No	No	No	4	1	2	1		867-2903	867-2912	867-2915					
		Hynit Black Gloves	32-105	No	No	No	3	1	1	1	159-3468		159-3446						
		PowerFlex Flame Resistance Gloves	80-813	Yes	No	No	2	5	4	2		770-9296	770-9290	770-9300					
		Trionic Critical Environment Gloves	517	No	Yes	No	1	1	1	0				124-0222					
		Multi-Task E Impact Protection	MTE	No	No	No	4	1	2	1		913-9845	913-9854	913-9857					
		Phynomic ESD General Glove Grey	60058	No	No	No	2	1	2	1	130-4437	130-4438	130-4439	130-4440	130-4441	130-4442			
		Phynomic X-Foam HV Glove ORN/GRY	60054	No	No	No	3	1	x	1		130-4447	130-4449	130-4450	130-4451				

DISPOSABLE GLOVES: SAFETY STANDARDS

Disposable gloves within the RS range are provided by a number of suppliers and manufacturers and each is designed to comply with differing protection standards. To enable easy comparison and shopping within the gloves range, RS provides details of various compliance levels and ratings within the specifications table relating to each product.

Buyers can filter the range by selecting the specific European Standard they need for each application and comparing the relevant products.

The European and US standards are still the most frequently referred to even outside these continents. There are some national standards and specifications available although these are not normally recognised outside of their regions.

Acceptable Quality Level (AQL): this relates to the maximum number of defects you can expect per 100 gloves. For example, European Standards state that medical examination gloves shall have an AQL of 1.5. This means that it's acceptable for up to 1.5% of gloves made to contain a pinhole.



EUROPEAN STANDARDS

EN420 - general requirements

EN420 defines the general requirements for most types of protective gloves:

- Product and packaging information and marking
- Comfort and efficiency
- Design and construction
- Fitness for the purpose
- Innocuousness
- Storage
- Sizing

EN455 - for medical use

EN455 defines the requirements and testing carried out on single-use gloves intended for medical purposes. It covers 4 key areas:

- EN455-1: Freedom from holes
- EN455-2: Physical properties
- EN455-3: Biological evaluation
- EN455-4: Shelf life determination

EN1149 - electrostatic properties

This is a series of standards for test methods and requirements for the electrostatic properties of protective clothing. Coverage includes:

- EN1149-1: Measure of surface resistivity
- EN1149-3: Measure of charge decay
- EN1149-5: Material and design requirements

Chemical and Micro-Organism EN374



EN374-2 Resistance to penetration by micro-organisms. Referred to as Acceptable Quality Level (AQL) **Rating** 1-3

EN374-3 Resistance to chemical hazards (permeation) **Rating** 1-6

Medical Devices Directives 93/42/EEC

The Medical Devices Directives classify devices according to the potential hazard, expected duration of contact and expected invasiveness. If a product conforms to the Medical Devices Directives it must carry a CE mark on its packaging and may also provide a statement of its classification. In addition, the properties of medical devices are described by a range of standards.

Classification of Devices

Class I

Non-invasive devices, for example, examination gloves (entry into a bodily orifice is not considered invasive). Class I is generally regarded as low-risk.

Class I - Sterile

Sterilised Class I devices, for example, sterile procedure gloves. Class I is generally regarded as low-risk.

Class IIa

Short-term invasive devices, for example surgical gloves. Class IIa is generally regarded as medium-risk.

Information pertaining to a product's classification within the Medical Devices Directive can be obtained from individual product datasheets on the RS website.

DISPOSABLE GLOVES

Glove Material

Disposable gloves are split into categories according to their construction material:

Latex

Designed for comfort and dexterity.

Neoprene

Possess very high chemical resistance and are low in allergens .

Vinyl

A low cost glove with low allergens.

Nitrile

With high chemical resistance, high strength and puncture resistant.

Polyethylene

Another low cost glove with low strength.

Polymer

Comfortable to wear, with low allergens and moderate strength.

Glove Type

Disposable gloves divide into three types according to their intended application.

Chemical resistant

Protects users from harmful chemical effects for a limited period of time for industrial applications.

Medical

These gloves offer the highest level of quality for higher-risk environments.

Minimal risk

Protects user from low-level risks for janitorial, general maintenance and light food processing tasks.



LATEX

Brand	Image	Description	Manufacturer Part No.	European Standards	Chemical	Medical	Minimal Risk	Powdered	Food Safe	AQL	Size			
											S 6-7	M 8	L 9	XL 10
		Powdered Natural Gloves		EN455, EN374	Yes	Yes	No	Powdered	Yes	1.5	124-2025	124-2024	124-2023	124-2026
		Powder-free Natural Gloves		EN455, EN374	Yes	Yes	No	Powder Free	Yes	1.5	124-2029	124-2028	124-2027	124-2030
		TouchNTuff® Natural Gloves	69-318	EN374	Yes	No	No	Powder-Free	Yes	1.5		863-4036	863-4049	
		TouchNTuff® Natural Gloves Bulk	69-318 BULK	EN374	Yes	No	No	Powder-Free	Yes	1.5		863-4030	863-4042	
		TouchNTuff® Natural Gloves	69-210	EN374	Yes	No	No	Powdered	Yes	1.5		863-4046	863-4058	
		TouchNTuff® Natural Gloves Bulk	69-210 BULK	EN374	Yes	No	No	Powdered	Yes	1.5		863-4055	863-4052	
		Bodyguards Natural Gloves	GL800	EN455	No	Yes	No	Powdered	No	1.5		774-4057	774-4066	774-4069
		Finex Medical Natural Gloves	LMPF100	EN455	No	Yes	No	Powder-Free	No	1.5	508-1436	508-1458		
		Finex Natural Gloves	LPF100	EN374-2, EN374-3	Yes	No	No	Powder-Free	Yes	1.5				508-1830

NEOPRENE

Brand	Image	Description	Manufacturer Part No.	European Standards	Chemical	Medical	Minimal Risk	Powdered	Food Safe	AQL	Size			
											S 6-7	M 8	L 9	XL 10
		NeoTouch Green Gloves 240mm	25-101	EN374	Yes	No	No	Powder-Free	No	1.5	153-292	153-359	153-309	153-208
		NeoTouch Green Gloves 290mm	25-201	EN374	Yes	No	No	Powder-Free	No	1.5	153-270	153-264	153-258	153-321

VINYL

Brand	Image	Description	Manufacturer Part No.	European Standards	Chemical	Medical	Minimal Risk	Powdered	Food Safe	AQL	Size			
											S 6-7	M 8	L 9	XL 10
		Powdered Blue Gloves		N/A	No	No	Yes	Powdered	Yes	1.5	777-5247	777-5231	777-5240	777-5243
		Powder-free Blue Gloves		N/A	No	No	Yes	Powder-Free	No	1.5		799-8923	799-8932	799-8935
		DuraTouch Clear Gloves	34-755	EN374	Yes	No	No	Powdered	Yes	4		863-4077	863-4070	863-4074
		Finesse Clear Gloves	MPF25	EN374-2, EN374-3	Yes	No	No	Powder-Free	Yes	1.5		615-8004	615-8010	615-8032
		Finesse Clear Gloves	VE100	EN374-2, EN374-3	Yes	No	No	Powdered	Yes	1.5		615-8026	615-8048	615-8054
		Finity PF30 Natural Gloves	FT130	EN455	No	Yes	No	Powder-Free	No	1.5		615-8076	615-8082	615-8060



NITRILE

Brand	Image	Description	Manufacturer Part No.	European Standards	Chemical	Medical	Minimal Risk	Powdered	Food Safe	AQL	Size			
											S 6-7	M 8	L 9	XL 10
		Powder-free Blue Gloves		EN455, EN374	Yes	Yes	No	Powder Free	Yes	1.5	124-2033	124-2032	124-2031	124-2034
		Powder-free Black Gloves		EN455	Yes	Yes	No	Powder-Free	Yes	1.5		799-8917	799-8926	799-8929
		Powdered Blue Gloves		N/A	No	No	Yes	Powdered	Yes	4	771-2738	771-2731	771-2735	771-2744
		TouchNTuff Green Gloves	92-600	EN374, EN1149-1, EN1149-3, EN1149-5, EN420	Yes	No	No	Powder-Free	Yes	1.5	769-8540	769-8544	769-8553	769-8556
		TouchNTuff Green Gloves BULK	92-600 BULK	EN374, EN1149-1, EN1149-3, EN1149-5, EN420	Yes	No	No	Powder-Free	Yes	1.5	261-6641	261-6736	261-6720	
		TouchNTuff Blue Gloves	92-670	EN374	Yes	No	No	Powder-Free	Yes	1.5	328-5866	328-5872	328-5894	484-231
		TouchNTuff Blue Gloves BULK	92-670 BULK	EN374	Yes	No	No	Powder-Free	Yes	1.5			769-8538	
		TouchNTuff Black Gloves	93-250	EN374	Yes	No	No	Powder-Free	Yes	1.5		863-4061	863-4064	863-4068
		Blue Gloves	VI400B100	EN420, EN374-2, EN374-3	Yes	No	No	Powder-Free	Yes	1.5	607-9462	607-9478	607-9484	607-9490
		TEAL Green Gloves	SKYTEAL	EN455, EN374	Yes	No	No	Powder-Free	Yes	1.5		888-1995	888-1999	888-2002
		Artic Blue Gloves	90095	EN420	No	No	Yes	Powder-Free	Yes	1.5	715-8178	715-8171	715-8175	715-8184
		Finite Orange HD Gloves	GL200	EN374-2, EN374-3	Yes	No	No	Powder-Free	Yes	1.5		913-9851	913-9860	913-9863
		Finite P Indigo Blue Gloves	MFNP100	EN374-2, EN374-3	Yes	Yes	No	Powder-Free	Yes	1.5		613-3285	613-3308	613-3291

POLYETHYLENE

Brand	Image	Description	Manufacturer Part No.	European Standards	Chemical	Medical	Minimal Risk	Powdered	Food Safe	AQL	Size			
											S 6-7	M 8	L 9	XL 10
		Digit Clear Gloves	PE100	N/A	No	No	Yes	Powder-Free	Yes	N/A			613-3156	

POLYMER

Brand	Image	Description	Manufacturer Part No.	European Standards	Chemical	Medical	Minimal Risk	Powdered	Food Safe	AQL	Size			
											S 6-7	M 8	L 9	XL 10
		Cleanroom Gloves		EN420	No	No	Yes	Powder-Free	Yes	2.5	266-4202	266-4268	266-4274	266-4280

Hearing Protection

INTRODUCTION

Welcome to our Hearing Protection selection guide.

This guide sets out the importance of hearing protection in the workplace, explains why noise levels should be controlled and details when hearing protection should be issued to employees. It also includes information on the care and use of different types of hearing protection.



PERSONAL HEARING PROTECTION

Hearing protection should be issued to employees:

- Where extra protection is needed above what has been achieved using noise control; or
- As a short-term measure while other methods of controlling noise are being developed

WHY BUY FROM RS?

As industry experts we offer a wide range of hearing protection for every requirement and environment, from professionally-approved RS products, to those from the global market leader 3M. This means you can find all the products you need from one source, with next day delivery, competitive pricing and bulk discounts.

WHEN IS HEARING PROTECTION REQUIRED AND WHY?

Under The Control of Noise at Work Regulations 2005 employers must provide suitable hearing protection where noise exceeds 80dB(A). All EU member states should have complied with the directive as of February 2006. Continued exposure to noise above 80dB(A) may cause permanent hearing damage costing industry dearly. In addition, noise at work can interfere with communications and make warnings harder to hear causing safety issues.

IMPORTANT NOTE

Hearing protection must not be used as an alternative to controlling noise. Employers are duty bound to remove or reduce risks to health and safety from noise at work.

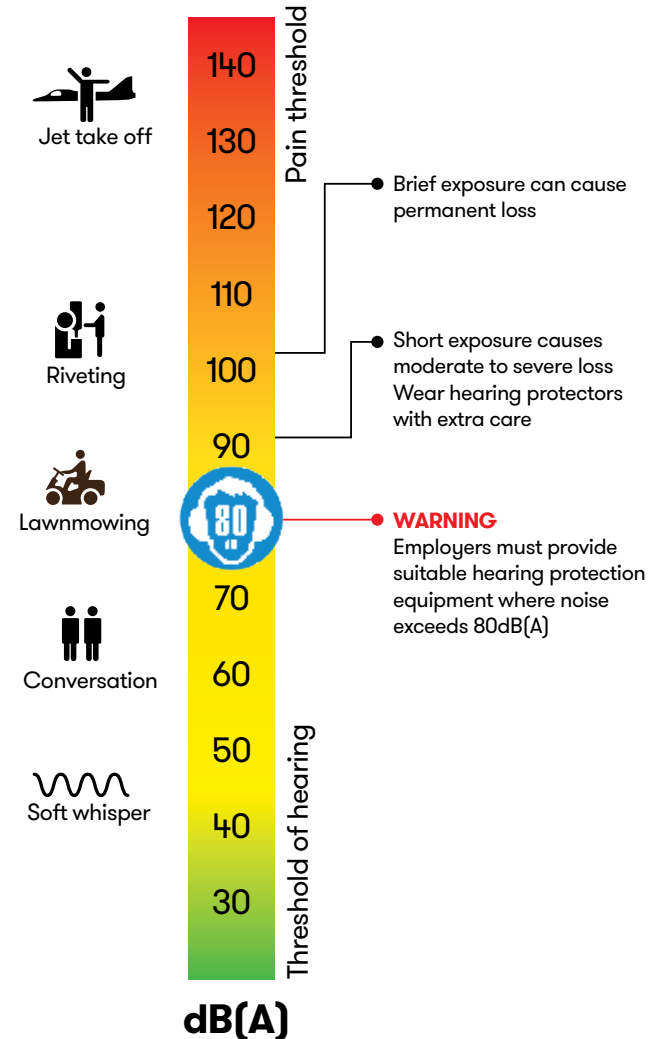
Actions and a risk assessment need to be taken if any of the following apply:

- The noise is intrusive for most of the working day - e.g. vacuum cleaner or busy road
- Voices need to be raised when having a conversation with a person 2 metres away for at least part of the day
- Working with power tools or machinery for more than half an hour a day
- Working in noisy industries, e.g. manufacturing, construction, engineering, road working, entertainment
- Impact noise, e.g. hammering or using pneumatic tools
- Noise from explosive source, e.g. detonators

Personal hearing protection should ONLY be issued to employees once noise control measures have been taken to minimise noise such as:

- Using quieter equipment or a quieter process
- Making technical changes to reduce noise at source
- Using screens, barriers, enclosures or absorbent materials
- Limiting employees' time spent in noisy areas

EASY TO DAMAGE - EASY TO PROTECT



PASSIVE HEARING PROTECTION

Disposable Earplugs



Made from expandable, slow-recovery foam and combining comfort with protection. Once in the ear, foam plugs expand to provide a secure and snug custom fit. This type of earplug should usually be disposed of after single use and is available as individual earplugs or as a corded pair.

BENEFITS AND APPLICATIONS

Popular due to their low-cost, ease of use and comfort. Disposable earplugs provide fast, simple protection against invasive noise in environments such as construction, metal fabrication and factory production.

TIPS FOR USE

Slowly roll and compress foam earplugs into a very thin cylinder. While compressed, insert the earplug well into the ear canal. Fitting is easier if you reach around the head to pull the ear outward and upward during insertion.

Reusable Earplugs



Reusable earplugs are made from flexible materials that are preformed to fit the ear. Generally available with a joining cord to prevent loss these reusable earplugs are hygienic, economical and comfortable to wear. No sizing is required. Also available in metal detectable format.

Designed for multiple use, so longer-lasting, more economical and offering higher levels of hygiene and comfort. Can be worn for longer periods.

Reach around the back of your head and pull outward on the ear while inserting the plug until you feel it sealing. This may seem tight at first, especially if you have never worn earplugs before.

Banded Earplugs (Reusable/ Disposable)



These are easy to use, convenient and extremely comfortable to wear. Easy and quick to put on, take off or store around the neck when not required. These earplugs are ideal for intermittent use.

Ideal for environments where plugs need to be removed intermittently. Headband reduces risk of losing.

Hold the large ends of the pods and swivel them to direct the tips into the ear canal openings. Firmly push and wiggle the pods into the ear canal until a snug seal is obtained. Pulling on the outer ear while pushing the pods will be helpful to most wearers.

Ear Defenders



Ear defenders consist of rigid cups with soft plastic cushions that seal around the ears to reduce noise. They are a popular choice in hearing protection due to their ease of use and greater levels of comfort. Available in headband, neckband, helmet-attachable and folding models to meet the needs of most applications.

Provide robust protection where higher noise levels present significant risk and require higher attenuation levels: transport, road working, airport, construction, heavy machinery.

Ear defenders must fully enclose the ears to seal against the head. Adjust the headband so cushions exert even pressure around the ears to get the best noise reduction. Pull hair back and out from beneath the cushions. Do not wear caps, store pencils behind the ear, or anything that may break the seal.

ACTIVE HEARING PROTECTION

Communication Ear Defenders



Two options are available: Listen Only offers the wearer the ability to press a button on the shell to reduce attenuation allowing them to hear a conversation without removing the ear defenders. Alternatively, Speak & Listen hearing protectors come with either a built-in communication radio for cable-free, short-range communication with other headsets and portable two-way radios which are programmed on the same frequency, or the input to connect a radio receiver and microphone.

BENEFITS AND APPLICATIONS

Provide high levels of situational awareness and improved safety by allowing users to block out harmful noise whilst continuing to hear alarms and critical communications. Ideal for mining, offshore or transport industries.

TIPS FOR USE

Without removing, simply use the button on the shell to reduce attenuation levels and hear critical instructions and signals.

EUROPEAN STANDARDS

European standards which are relevant to the RS range of hearing protection include the following:

EN352

Construction, design and performance of hearing protection equipment:

- Part 1: Ear muffs
- Part 2: Ear plugs
- Part 3: Ear muffs attached to a safety helmet
- Part 4: Level dependent ear muffs
- Part 5: Active noise reduction ear muffs
- Part 6: Ear-muffs with electrical audio input
- Part 7: Level dependent ear plugs
- Part 8: Entertainment audio ear muffs

EN13819

Testing methods for hearing protectors:

- Part 1: Physical tests
- Part 2: Acoustic tests

EN55013

Radio disturbance characteristics of sound and TV broadcast receivers

EN55020

Electromagnetic immunity of broadcast receivers and associated equipment

EN50581

Assessment of electrical and electronic products with respect to the restriction of hazardous substances

EN55022

Radio disturbance characteristics - limits and methods of measurement

EN55024

Immunity characteristics - limits and methods of measurement

EN24869

Hearing protectors - Subjective method for the measurement of sound attenuation

EN61000

Electromagnetic Compatibility (EMC) - Testing and measurement techniques:

- Part 1: General
- Part 2: Environment
- Part 3: Limits
- Part 4: Testing and measurement techniques
- Part 5: Installation and mitigation guidelines
- Part 6: Generic standards

EN300296

EMC and radio spectrum matters - land mobile service: radio equipment using integral antennas intended primarily for analogue speech

EN300328

EMC and radio spectrum matters - Wideband transmission systems

EN301489-1

EMC and radio spectrum matters: standard for radio equipment and services; common technical requirements

EN301489-17

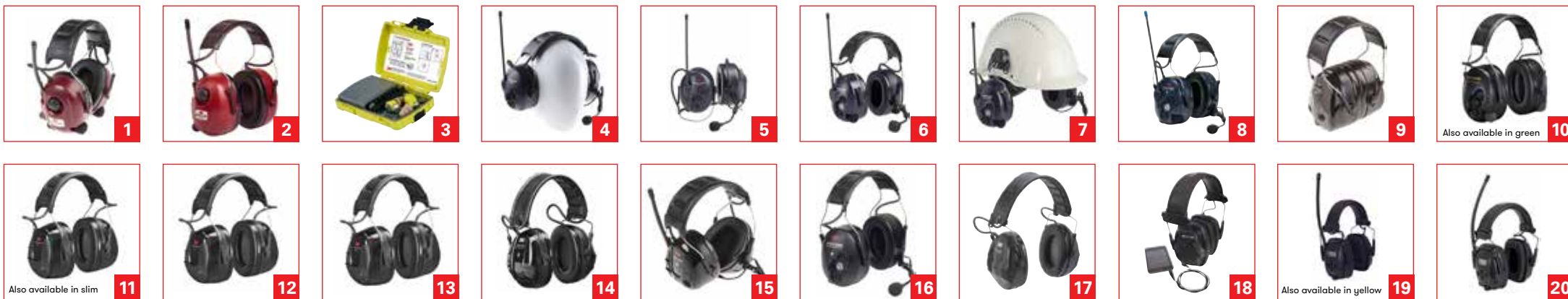
EMC standard for radio equipment: specific conditions for broadband data transmission systems

EN60950

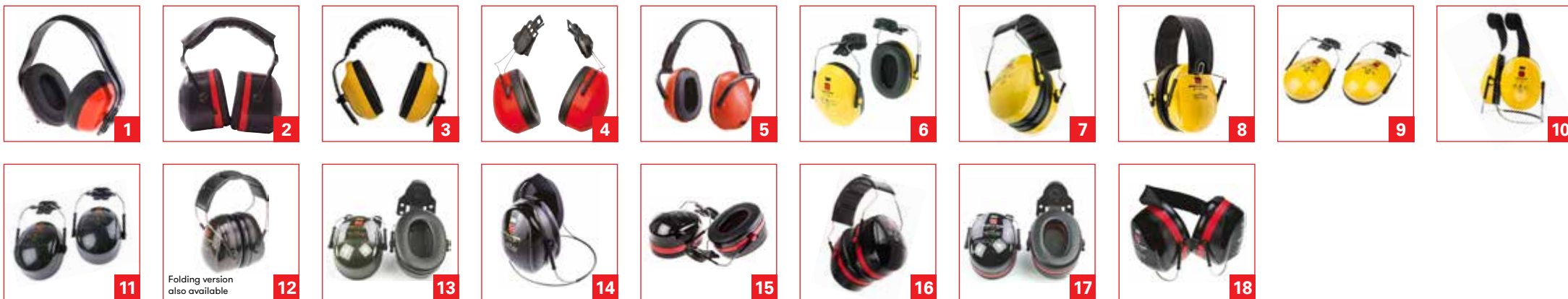
Safety of information technology equipment

EN62479

Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10Mhz to 300Ghz)



Brand	Image	Description	Manufacturer Part No.	European Standards	Speak and Listen	Listen	Noise Cancelling Microphone	Bluetooth	Single Number Rating	RS Stock No.
		Alert with FM Radio Ear Defenders	M2RX7A2-01	EN352-1, EN352-4, EN352-8	No	Yes	No	No	32dB	789-7618
		FM Radio Ear Defenders	HRXS7A-01	EN352-1, EN352-8	No	No	No	No	32dB	884-2372
		Level Dependent Earplug Kit EU	LEP-100	EN352-2, EN352-7	No	Yes	No	No	32dB	123-4527
		LiteCom Ear Defenders	MT53H7A4400-EU	EN352-1	Yes	No	Yes	No	32dB	789-7606
		LiteCom Neckband	MT53H7B4400	EN352-1	Yes	No	Yes	No	32dB	884-2398
		LiteCom Plus Ear Defenders	MT7H7A4410-EU	EN352-1, EN352-4, EN352-6	Yes	Yes	No	No	34dB	789-7615
		LiteCom Plus Helmet Mount with FM Radio	MT7H7P3E4410	EN352-3,	Yes	Yes	No	No	33dB	884-2391
		LiteCom Radio/Bluetooth Ear Defenders	MT53H7A4410WS5	EN352-1, EN352-4, EN352-6 and EN352-8	Yes	Yes	Yes	Yes	30dB	884-2388
		Optime Push To Listen Ear Defenders	MT155H530A 380	EN352-1 and EN352-4	No	Yes	No	No	31dB	538-6882
		ProTac II Ear Defenders Black	MT15H7A2 SV	EN352-1, EN352-4,	No	Yes	No	No	32dB	884-2385
		ProTac II Ear Defenders Green	MT15H7A2 GN	EN352-1, EN352-4,	No	Yes	No	No	32dB	884-2376
		ProTac III Ear Defenders	MT13H221A	EN352-1, EN352-4, EN352-6	No	Yes	No	No	32dB	123-8888
		ProTac III Slim Ear Defenders	MT13H220A	EN352-1, EN352-4, EN352-6	No	Yes	No	No	26dB	123-8886
		ProTac III Slim with Headband Helmet Att.	MT13H220P3E	EN352-3, EN352-4, EN352-6	No	Yes	No	No	25dB	123-8887
		ProTac III with Headband Helmet Att.	MT13H221P3E	EN352-3, EN352-4, EN352-6	No	Yes	No	No	31dB	123-8889
		SportTac Level Dependent Ear Defenders	MT16H210F-478-RD	EN352-1, EN352-4, EN352-6	No	Yes	No	No	26dB	884-2379
		WS Alert XP Ear Defenders	MEX21AWS5	EN352-1, EN352-4, EN352-6 and EN352-8	Yes	Yes	Yes	Yes	29dB	775-4432
		WS Headset XP	MT53H7AWS5	EN352-1, EN352-6, EN352-8	Yes	No	Yes	Yes	31dB	884-2382
		WS Workstyle - Folding Headband	MT16H21FWS5G-580SV	EN352-1, EN352-4, EN352-6, EN352-8	Yes	Yes	Yes	Yes	20dB	884-2408
		Sync TM Stereo Earmuff	1030111	EN352-1	No	Yes	No	No	31dB	104-0906
		Sync Digital AM/FM Radio Black	1030330	EN352-6, EN352-8, EN352-1	No	Yes	No	No	29dB	104-1152
		Sync Digital AM/FM Radio Yellow	1030332	EN352-6, EN352-8, EN352-1	No	Yes	No	No	29dB	104-1154
		Sync Electro Digital FM Radio Stereo	1030333	EN352-2, EN352-6, EN352-8, EN352-1	No	Yes	Yes	No	29dB	104-1155



Brand	Image	Description	Manufacturer Part No.	European Standards	Headband	Neckband	Helmet Attachment	Single Number Rating	RS Stock No.
RS PRO	1	Classic Ear Defenders		EN352-1	Yes	Yes	No	27dB	918-5728
	2	Classic Plus Ear Defenders		EN352-1	Yes	Yes	No	33dB	918-5725
	3	Comfort Band Ear Defenders		EN352-1	Yes	Yes	No	28dB	918-5721
	4	Helmet Attachment Ear Defenders		EN352-3	No	No	Yes	23dB	918-5719
3M	5	Entry Level Ear Defenders	1436	EN352-1	Yes	No	No	28dB	740-1435
	6	Optime I Ear Defenders	H510P3E-405-GU	EN352-1	No	No	Yes	26dB	506-8900
	7	Optime I Ear Defenders Headband Yellow	H510A-401	EN352-1	Yes	No	No	28dB	449-6477
	8	Optime I Folding Ear Defenders	H510F-404	EN352-1	Yes	No	No	28dB	449-6613
	9	Optime I Helmet Attachment Ear Defenders	H510P3G	EN352-1	No	No	Yes	26dB	449-6534
	10	Optime I Neckband Ear Defenders	H510B-403	EN352-1	No	Yes	No	26dB	449-6506
	11	Optime II Ear Defenders	H520P3E-410-GQ	EN352-1	No	No	Yes	30dB	506-8916
	11	Optime II Ear Defenders Green	H520A-407	EN352-1	Yes	No	No	31dB	449-6483
	12	Optime II Folding Ear Defenders	H520F-409	EN352-1	Yes	No	No	31dB	449-6562
	13	Optime II Helmet Attachment Ear Defenders	H520P3G	EN352-3	No	No	Yes	30dB	449-6540
	14	Optime II Neckband Ear Defenders	H520B-408	EN352-1	No	Yes	No	31dB	449-6512
	15	Optime III Ear Defenders	H540P3E-413-SV	EN352-1	No	No	Yes	34dB	506-8922
	16	Optime III Ear Defenders Black/Red	H540A-411	EN352-1	Yes	No	No	35dB	449-6499
	17	Optime III Helmet Attachment Ear Defenders	H540P3G	EN352-3	No	No	Yes	34dB	449-6556
18	Optime III Neckband Ear Defenders	H540B-412	EN352-1	No	Yes	No	35dB	449-6528	



Brand	Image	Description	Manufacturer Part No.	European Standards	Headband	Neckband	Helmet Attachment	Single Number Rating	RS Stock No.
3M		X1 Ear Defenders Headband	X1A-GA	EN352-1	Yes	No	No	27dB	778-5200
		X1 Ear Defenders Helmet Mounted	X1P3E-GA	EN352-1	No	No	Yes	26dB	778-5219
		X2 Ear Defenders Headband	X2A-GA	EN352-1	Yes	No	No	31dB	778-5212
		X2 Ear Defenders Helmet Mounted	X2P3E-GA	EN352-3	No	No	Yes	30dB	778-5216
		X3 Ear Defenders Headband	X3A-RD	EN352-1	Yes	No	No	33dB	778-5225
		X3 Ear Defenders Helmet Mounted	X3P3E-RD	EN352-3	No	No	Yes	32dB	778-5228
		X4 Ear Defenders Headband	X4A-GB	EN352-1	Yes	No	No	33dB	778-5222
		X4 Ear Defenders Helmet Mounted	X4P3E-GB	EN352-3	No	No	Yes	32dB	778-5231
		X5 Ear Defenders Headband	X5A-SV	EN352-1	Yes	No	No	37dB	778-5234
		X5 Ear Defenders Helmet Mounted	X5P3E-SV	EN352-3	No	No	Yes	36dB	778-5238
		Clarity C1 Ear Defenders	1011142	EN352-1	Yes	No	No	25dB	104-0902
		Clarity C1H Ear Defenders	1011262	EN13819-1	No	No	Yes	26dB	104-0903
		Clarity C3 Helmet Ear Defenders	1011264	EN352-1	No	No	Yes	30dB	104-0904
		Clarity C3H Ear Defenders	1011146	EN352-1	No	No	No	33dB	104-0905
		Leightning L3 Ear Defenders	1010924	EN352-1	Yes	No	No	34dB	104-0899
		Thunder T3 Dielectric Ear Defenders	1010970	EN352-1	Yes	No	No	36dB	104-0901
		Viking V1 Multi-Position Ear Defenders	1010925	EN352-1	Yes	Yes	No	30dB	104-0900
		Contour Helmet Mounted Ear Defenders	AEJ030-001-100	EN352-3	No	No	Yes	26dB	750-6785
		Lightweight Ear Defenders	AEA020-010-651	EN352-1	Yes	No	No	23dB	228-7833
		Medium Duty Ear Defenders	AEA060-040-551	EN352-1	Yes	Yes	No	26dB	771-4891
		Monaco Heavy Duty Ear Defenders	AEA090-027-500	EN352-1	Yes	No	No	36dB	750-6788



Some images representative of product

DISPOSABLE EAR PLUGS

Brand	Image	Description	Manufacturer Part No.	European Standards	Banded	Corded	Unattached	Single No. Rating	RS Stock No.
RS PRO		PU Foam Uncorded Ear Plugs Orange		EN352-2	No	No	Yes	30dB	918-5692
		PU Foam Corded Ear Plugs Orange		EN352-2	No	Yes	No	37dB	918-5696
		Food Industry Blue Ear Plugs		EN352-2	No	Yes	No	37dB	918-5706
		Ear Plug Refill Pack Orange		EN352-2	No	No	No	37dB	918-5703
3M		Foam Ear Plugs Orange	1100	EN352-2	No	No	Yes	37dB	190-5877
		Ear Plug Dispenser Refill Orange	1100R	EN352-2	No	No	Yes	37dB	133-226
		One Touch Dispenser Refill Orange	1100B	EN352-2	No	No	Yes	37dB	740-1422
		E-A-R One-Touch Ear Plug Dispenser Refill Yellow	PD-01-001	EN352-2	No	No	Yes	28dB	385-1283
		One Touch Dispenser Refill Yellow Neon	PD-01-002	EN352-2	No	No	Yes	36dB	385-1261
		Corded Foam Ear Plugs Orange	1110	EN352-2	No	Yes	No	37dB	236-8213
		Uncorded Ear Plugs Orange	1120	EN352-2	No	No	Yes	34dB	516-7237
		Corded Ear Plugs Orange	1130	EN352-2	No	Yes	No	34dB	516-7243
		E-A-R Classic Roll-Down Ear Plugs Yellow	PP-01-006	EN352-2	No	No	Yes	28dB	428-571
		E-A-RSoft Yellow Neon Uncorded Ear Plugs	ES-01-001	EN352-2	No	No	Yes	36dB	358-4141
	E-A-RSoft Yellow Neon Corded Ear Plugs	ES-01-005	EN352-2	No	Yes	No	36dB	385-1687	
	E-A-RSoft Metal Detectable Ear Plugs Blue	ES-01-011A	EN352-2	No	Yes	No	36dB	668-0817	



Some images representative of product

DISPOSABLE EAR PLUGS

Brand	Image	Description	Manufacturer Part No.	European Standards	Banded	Corded	Unattached	Single No. Rating	RS Stock No.
		MAX-30 Ear Plugs Orange	3301130	EN352-2	No	Yes	No	37dB	104-0910
		MAX-1D LS500 Refill Pack Orange	3301165	EN352-2	No	No	No	37dB	104-0911
		PERCAP Ear Plugs Orange	1005952	EN352-2, EN13819-1, EN13819-2	No	No	No	24dB	104-0914
 by Honeywell		LL-1 LASERLITE Multi Colour Ear Plugs	3301105	EN352-2, EN24869-1	No	No	Yes	35dB	104-0918
		LL-30 LASERLITE Multi Colour Ear Plugs	3301106	EN352-2, EN24869-1	No	Yes	No	35dB	104-0919
		LL-1D LASERLITE LS500 Refill Pack Multi Colour	3301271	EN352-2, EN24869-1	No	No	No	35dB	104-0920
		Bilsom 303L Ear Plugs Yellow/White	1005073	EN352-2	No	Yes	No	33dB	104-0921
		Bilsom 303L Ear Plug Refill Pack 200	1006186	EN352-2	No	Yes	No	33dB	104-0922
		Bilsom 303L Ear Plug Refill Pack 500	1017573	EN352-2	No	No	No	33dB	104-0923
 PROFESSIONAL		Soft Foam Roll Down Ear Plugs Orange	67210	EN352-2	No	No	Yes	33dB	715-8024
		Soft Foam Roll Down Ear Plugs Orange	67212	EN352-2	No	Yes	No	31dB	715-8020
		Multi Colour Spark Plug Ear Plugs 250 Pairs	7825	EN352-2	No	No	Yes	31dB	894-8957
		Multi Colour Spark Plug Ear Plugs 500 Pairs	7850	EN352-2	No	No	Yes	35dB	894-8966



REUSABLE EAR PLUGS

Brand	Image	Description	Manufacturer Part No.	European Standards	Banded	Corded	Unattached	Single No. Rating	RS Stock No.
 		Thermoplastic Elastomer Ear Plugs Blue		EN352-2	No	No	Yes	21dB	918-5712
		Banded Ear Plugs		EN352-2	Yes	Yes	No	22dB	918-5715
		Banded Ear Plugs	1310	EN352-2	Yes	No	No	26dB	192-2333
		E-A-R Banded Flexicap	FX-01-000	EN352-2	Yes	No	No	23dB	358-4179
		E-A-R Caps, E-A-R Band & Flexicap Replacement Pods	EC-01-000	EN352-2	Yes	No	No	23dB	562-479
		E-A-R Classic Ear Plugs Yellow	FP-01-000	EN352-2	No	No	Yes	28dB	562-261
		E-A-R Classic Roll-Down Ear Plugs Yellow	CC-01-000	EN352-2	No	Yes	No	29dB	428-587
		E-A-R Express Ear Plugs Yellow	EX-01-002	EN352-2	No	No	Yes	28dB	228-3831
		E-A-R Express Ear Plugs Yellow	EX-01-001	EN352-2	No	Yes	No	28dB	228-3847
		E-A-R Tracer Detectable Ear Plugs Blue	TR-01-000	EN352-2	No	Yes	No	32dB	562-485
		E-A-R Tracer Detectable Ear Plugs Blue Bulk Pack	TR-01-000	EN352-2	No	Yes	No	32dB	424-4490
		E-A-R Tracer 20 Ear Plugs Blue	TR-01-001	EN352-2	No	Yes	No	20dB	666-7719
		E-A-R UltraFit One Size Yellow/Blue Ear Plugs	UF-01-000	EN352-2	No	Yes	No	32dB	282-754
		E-A-R UltraFit 14 Low Attenuation Ear Plugs	UF-01-015	EN352-2	No	Yes	No	14dB	418-145
		E-A-R UltraFit 20 Ear Plugs Yellow	UF-01-012	EN352-2	No	Yes	No	20dB	538-6854
		E-A-R Ultrafit X Pre-Moulded Corded Ear Plugs	UF-01-014	EN352-2	No	Yes	No	35dB	666-7722
		E-A-R UltraFit Ear Plugs with Storage Box	UF-01-020	EN352-2	No	Yes	No	32dB	740-1413



REUSABLE EAR PLUGS

Brand	Image	Description	Manufacturer Part No.	European Standards	Banded	Corded	Unattached	Single No. Rating	RS Stock No.
3M		Corded Yellow Ear Plugs with Storage Box	1271	EN352-2	No	Yes	No	25dB	516-7265
		E-A-R Ultra-Tech Ear Plugs	UT-01-003	EN352-2	No	No	Yes	21dB	428-593
		Long Life Corded Ear Plugs Orange	1271	EN352-2	No	Yes	No	25dB	472-3713
		Long Life Uncorded Ear Plugs	1261	EN352-2	No	No	Yes	25dB	472-3937
HOWARD LEIGHT <small>by Honeywell</small>		SmartFit Ear Plugs With Flip Top Box	1011239	EN352-2	No	Yes	No	30dB	104-0912
		SmartFit Detachable Ear Plugs	1012522	EN352-2	No	Yes	No	30dB	104-0913
		QB2HYG Supra-Aural Ear Plugs	3301280	EN352-2	No	No	No	24dB	104-0915
		Fusion Ear Plugs Large	1011282	EN352-2	No	Yes	No	28dB	104-0924
		Quiet Ear Plugs with Flip Top Box	1028457	EN352-2	No	Yes	No	28dB	104-0925
		Clarity 656L Multiple Use Ear Plug	1005329	EN352-2, EN24869-1	No	Yes	No	22dB	104-0926
		556 Ear Plugs Large	1011282	EN352-2	No	Yes	No	28dB	409-3012
		556 Ear Plugs Small	1011281	EN352-2	No	Yes	No	28dB	409-3028
		QB3 Noise Protection Headband	3301279	EN352-2	No	No	No	23dB	503-9564
		Silicone Rubber Ear Plugs Orange	AEE020-060-051	EN352-2	No	Yes	No	24dB	290-2021
JSP		Maxifit Pro Ear Plugs	AEE110-060-251	EN352-2	No	Yes	No	26dB	689-9667
		Thermoplastic Elastomer Ear Plugs Orange	67221	EN352-2	No	Yes	No	25dB	715-8033
MOLDEX		WaveBand Banded Ear Plugs	6810	EN352-2	Yes	No	Yes	27dB	894-8963
		Rockets Ear Plugs Purple	6401	EN352-2	No	Yes	No	30dB	894-8953



REUSABLE EAR PLUGS

Brand	Image	Description	Manufacturer Part No.	European Standards	Banded	Corded	Unattached	Single No. Rating	RS Stock No.
uvex	1	Hi-Com Uncorded Ear Plugs 200PR	2112 100	EN352	No	No	Yes	24 dB	130-2355
	1	Hi-Com Uncorded Re-Fill Box 300PR	2112 118	EN352	No	No	Yes	24 dB	130-2357
	2	Hi-Com Corded Ear Plugs 100PR	2112 101	EN352	No	Yes	No	24 dB	130-2356
	3	Com4-Fit Uncorded Ear Plugs 200PR	2112 004	EN352	No	No	Yes	33 dB	130-2358
	3	Com4-Fit Uncorded Re-Fill Box 300PR	2112 023	EN352	No	No	Yes	33 dB	130-2360
	4	Com4-Fit Corded Ear Plugs 100PR	2112 012	EN352	No	Yes	No	33 dB	130-2359
	5	X-Fit Uncorded Ear Plugs 100PR	2112 001	EN352	No	No	Yes	37dB	130-2361
	5	X-Fit Uncorded Re-Fill 300PR	2112 022	EN352	No	No	Yes	37dB	130-2363
	6	X-Fit Corded Ear Plugs 200PR	2112 010	EN352	No	Yes	No	37dB	130-2362
	7	Xact-Fit Cord Reuse Ear Plugs 50PR	2124 001	EN352	No	Yes	No	26 dB	130-2364
8	Xact-Fit Replacement Plugs 250PR	2124 002	EN352	No	No	Yes	26 dB	130-2365	
8	Xact-Fit Dispenser Refill 400PR	2124 003	EN352	No	No	Yes	26 dB	130-2366	
9	Whisper Reuse Earplugs with Hygiene 50	2111 237	EN352	No	Yes	No	23dB	130-2367	
10	Whisper+ Reuse Earplugs with Hygiene 50	2111 238	EN352	No	Yes	No	27dB	130-2368	



HYGIENE KITS

Brand	Image	Description	Manufacturer Part No.	For Use With RS Stock Nos.	RS Stock No.
		Optime I Hygiene Kit	HY51	506-8900, 449-6613, 449-6534, 449-6506, 449-6477	449-6584
		Optime II Hygiene Kit	HY52	506-8916, 449-6483, 449-6562, 449-6540, 449-6512, 740-1444	449-6590
		Optime III Hygiene Kit	HY54	506-8922, 449-6499, 449-6528, 449-6556	449-6607
		LiteCom III Hygiene Kit	HY79	884-2391, 789-7615, 884-2398, 884-2388, 789-7606	506-8944
		X1 Hygiene Kit	HXY1	778-5200, 778-5219	778-5247
		X2 Hygiene Kit	HXY2	778-5212, 778-5216	778-5240
		X3 Hygiene Kit	HXY3	778-5225, 778-5228	778-5244
		X4 Hygiene Kit	HXY4	778-5222, 778-5231	778-5253
		X5 Hygiene Kit	HXY5	778-5234, 778-5238	778-5256
			Sync Hygiene Kit	1030220	104-0906, 104-1152, 104-1154, 104-1155
		Viking 1 Hygiene Kit	1011998	104-0900	104-0930
		Leightning Hygiene Kit	1012000	104-0899	104-0931
		Clarity C3, C3H Hygiene Kit	1006081	104-0904, 104-0905	104-0927
		Thunder 3 Hygiene Kit	1010976	104-0901	104-0929



DISPENSERS AND ACCESSORIES

Earplug dispensers are available to ensure protection is on-hand in key areas and special storage boxes available for ear defenders. For all your additional hearing protection and maintenance needs, RS offers a range of ear defender hygiene kits to maintain protection.

EAR PLUG DISPENSERS

Brand	Image	Description	Manufacturer Part No.	For Use With RS Stock Nos.	RS Stock No.
		Black Ear Plug Dispenser		918-5703	918-5709
		E-A-R One Touch Pro Ear Plug Dispenser	391-0000	385-1283, 385-1261, 133-226, 740-1422	916-3949
		Light Source LS 500 Ear Plug Dispenser	3301273	104-0911, 104-0919, 104-0920	104-0909
		Ear Plus Dispenser Black	7060	894-8957, 894-8966	894-8969

OTHER ACCESSORIES

Brand	Image	Description	Manufacturer Part No.	For Use With RS Stock Nos.	RS Stock No.
		Banded Ear Plug Replacement Pods	1311		358-4343
		E-A-R Caps Ear Plugs Yellow	ES-01-300		394-8286
		Ear Defender Storage Box	B3256161	Various	325-6161
		Cool II Envelope Pack Ear Defender Pads	1000365	Various	104-0933
		Optisorb Ear Defenders Cover	3302101	Various	104-0934
		QB2HYG Replacement Pods	3301181	104-0915	104-0917
		QB3HYG Replacement Pods	3301183	503-9564	503-9570

Respiratory Protective Equipment

INTRODUCTION

In today's world there are multiple concerns surrounding our lungs and general respiratory health, and in a work environment it is necessary for many people to wear respirators or breathing apparatus to protect their health. In simple terms, respirators work to prevent harmful substances from in the air being inhaled. Most types of respirator work by filtering the air whilst some types provide a supply of clean air to breathe.



This simple guide has been developed to provide an overview of the key points you need to consider when selecting Respiratory Protective Equipment (RPE) and explain the differences between respirator types. It will help you to shop the RS range so you can quickly and effectively find the products and parts you need to keep your staff safe in the workplace.

WHY BUY FROM RS?

As industry experts we offer a wide range of Respiratory Protective Equipment for most requirements and environments, from professionally-approved RS products, to ones from the global market leader 3M, so you can find all the products you need from one source, with next-day delivery, competitive-pricing and bulk discounts.

WHEN IS RPE REQUIRED?

Some work activities can cause harmful substances to contaminate the air in a variety of forms, for example:

- **Dust** – airborne solid particles are present
- **Mists** – minute droplets are present (due to condensation or processes such as paint spraying)
- **Metal fumes** – airborne particles of metals that have vaporised and condensed (e.g. through welding processes)
- **Gases** – can be odourless and/or invisible and spread quickly
- **Vapours** – from the evaporation of solids or liquids at room temperature
- **Oxygen deficient atmospheres** – oxygen has been displaced or diluted, resulting in a risk of asphyxiation.

WHY IS RPE REQUIRED?

National health and safety regulations commonly set out the requirements for minimising hazardous risks in the workplace.

RPE should ONLY be used where ALL attempts have been made to remove or reduce the levels of hazard, for example by installing extraction equipment, or by putting up physical barriers before even considering the use of RPE.

National health and safety regulations generally require that employers should:

1. Identify the hazard
2. Assess the concentration of the hazard
3. Provide only CE approved PPE/RPE
4. Establish a documented training program for all employees that are required to use RPE to ensure correct use, fitting and maintenance – which should include cleaning, replacement and storage



“Thousands of people die from work-related lung diseases every year, in many cases due to exposures that took place many years before. Breathing in certain dusts, gases, fumes and vapours in the workplace can cause serious, long-term lung damage.”

Health and Safety Executive (HSE)

IMPORTANT NOTE

Respirators MUST NEVER be used in oxygen deficient atmospheres. Specialist breathing apparatus is required that is not covered in this guide.



STEP-BY-STEP GUIDE TO PROVIDING PROTECTION

Selecting adequate and suitable RPE can appear daunting at first. With so many factors to consider, plus such a variety of options, it can be difficult to know where to start.

1 IDENTIFY THE HAZARDS

- a At a high level, there are three types of respiratory hazard:
 - Particulate Hazards:** e.g. mists, fumes, dusts or fibres
 - Gas and Vapour Hazards:** e.g. solvent vapours or acidic gases
 - Oxygen Deficient Atmospheres:** e.g. often found in confined spaces and/or where oxygen is consumed by materials or combustion
- b You need to understand the types of hazards that your workers encounter before you can make a decision on suitable RPE for the work environment.

Consider the type of work that is undertaken and identify:

- a. **Process Generated Hazards** e.g. dust from sanding wood or gases released in a reaction. Some work activities, such as heating or cutting materials, could generate harmful substances which contaminate the air in the form of mists, dusts, fumes or gases.
- b. **Bought-in Hazards** e.g. bottled gases, solvents or chemicals. Any product that is classed as 'Dangerous for Supply' will come with a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS) which should provide information on:
 - health hazards (on product labelling)
 - forms of the substances contained in the product
 - the type of RPE required for its use

2 ASSESS THE RISK

To ensure the RPE you select is adequate to protect your workers against any harmful substances in the air around them, you need to understand the amount in the air and the form it takes (e.g. vapour or particles), to effectively assess the concentration of the hazard.

There are various types of respirator and breathing apparatus available and the protection they offer depends on a number of things, including the protection factor. To help you, each type and class of RPE is categorised by a protection factor which takes the form of either a Nominal Protection Factor (NPF) or an Assigned Protection Factor (APF). More information on this can be found on page 35.

Things to check:

- a. Check MSDSs of bought-in hazards – do they provide guidance on the required APF?
- b. Does the substance have a prescribed Occupational Exposure Limit (OEL)? If there is no advice on the required APF in the MSDS, you can calculate the required protection level using the OEL and quantity of substance in the air.
- c. If there is more than one hazard present, e.g. dust and gas, you will need to find out the protection factor for each and choose appropriate RPE based on the highest protection factor required.

For more information about NPF, APF and OEL see page 35.



...continued

STEP-BY-STEP GUIDE TO PROVIDING PROTECTION

3 PROVIDE CE APPROVED RPE/PPE

Now you have identified the hazards and assessed the risks you understand what protection factor you need. Next you need to consider what type of device is right for your organisation, its environment and the individuals who work there.

Here is an overview of the main respirator types, detailing the features and benefits of each type:

**Disposable Respirators**

In general, disposable respirators only protect the wearer from particulate hazards.

Features of disposable respiratory products:

- Different moulded shapes to suit individuals
- Valved or unvalved options – valved respirators reduce exhalation effort so they are cooler to wear and reduce misting of eyewear
- Most disposable respirators feature adjustable nose clips for added comfort

Benefits of using disposable respirators:

- Easy to use – no maintenance is required
- Hygienic – discard after use
- Cost-effective and versatile

**Reusable Respirators**

Available in full and half-mask options, reusable respirators protect the wearer from particulate and/or gas and vapour hazards depending on the filter type selected.

Features of reusable respiratory products:

- Wide variety of sizes, styles and filter types available to suit individual requirements
- Full and half-mask options – full face respirators also protect the eyes
- Hypoallergenic options also available

Benefits of using reusable respirators:

- Versatile; filters can be changed to protect from multiple hazards
- Can be recorded and used as part of the health and safety regulations relating to reusable RPE monthly inspection and maintenance records

**Powered Respirators**

One of the main benefits of using powered (or supplied air) over disposable or reusable respirators is that they don't require fit testing to be carried out. They use a battery powered fan and motor to draw contaminated air through a filter. The filter captures certain contaminants and clean air is fed to the wearer.

- Suitable for use over long shifts – no increase in breathing resistance
- Can offer integrated head, eye and face protection
- Allows the wearer to walk freely around without any trailing tubes

✘ Cannot be used to protect against substances with poor warning properties (taste/ smell)

✘ Must not be used in conditions that are oxygen deficient or immediately dangerous to life or health (IDLH)

**Air-fed Respirators**

Like powered respirators, airfed respirators don't require fit testing as the products are classed as loose fitting. They use breathable quality air supplied from a compressor via a tube. The compressed air is regulated to a gentle flow and fed to the wearer.

- Can be used to protect against substances with poor warning properties (taste/ smell)
- Can offer integrated head, eye and face protection
- Suitable for use over long shifts – no increase in breathing resistance

✘ Must not be used in conditions that are oxygen deficient or immediately dangerous to life or health (IDLH)

4 TRAIN IN FITTING AND USE

If RPE is not worn correctly it will not provide the required protection, so it is vital that you integrate RPE use into normal workplace activities and provide adequate training. It is often best, if possible, to give a choice of several adequate and suitable RPE to wearers so they can select the most comfortable.

All people involved in the selection, use, storage and maintenance (if necessary) of RPE require training. Ideally this needs should cover:

- Why RPE is necessary
- Hazards and their risks and effects
- The type of RPE being provided
- How it works
- Why fit testing is required (if relevant)
- How to wear and check equipment correctly
- Fit checking before use
- Details of maintenance required/when
- How to clean and store
- What to do if there's a problem with any RPE
- Responsibilities of both employer and employees
- RPE use and misuse

Fit testing

Face piece fit testing is a way of checking that a tight-fitting face piece (typically disposable and reusable respirators, although this can include half and full face masks, including those that form part of an air-fed or powered respirator) fits the wearer's facial features and forms an adequate seal. Fit testing of all tight fitting respirators is mandatory in the UK. In certain other countries, fit testing of tight fitting respirators is mandatory in certain industries. Further information about Fit Testing can be found at www.fit2fit.org – the UK Fit2Fit accreditation scheme for testers.

NOMINAL AND ASSIGNED PROTECTION FACTORS

What are NPFs and APFs?

Nominal Protection Factors (NPFs) and Assigned Protection Factors (APFs) are simply a numerical rating indicating how much protection a device can offer. NPFs are derived exclusively from laboratory measurements, whilst APFs are derived from workplace measurements and represent the minimum protection factor that a trained wearer will achieve wearing the respirator in the workplace.

Unfortunately, there is not a standard approach to using NPFs and APFs across Europe. Some countries stipulate that NPFs should be used, whilst others like the UK, France and Germany stipulate that APFs should be used. Furthermore, some countries have different APF values for the same

class and type of respiratory protective device.

Therefore, it is always important to check and be familiar with national regulations and requirements when selecting and using respiratory protective devices.

Example: So wearing RPE with an APF of 10 will reduce exposure to the wearer by at least a factor of 10 (as long as RPE is used correctly). In the simplest terms, the RPE wearer will breathe in one-tenth or less of the amount of substance present in the air.

Nominal Protection Factors and Assigned Protection Factors used in different countries		NPF	3M Stated max. PF	APF UK	APF France	APF Germany	APF Italy
EN149 (Filtering Facepiece)	FFP1	4	4	4	4	4	4
	FFP2	12	12	10	10	10	10
	FFP3	50	50	20	10	30	30
EN12941 (Powered air Turbo with loose fitting headtop)	TH1	10	10	10	5	5	5
	TH2	50	50	20	20	20	20
	TH3	500	500	40	40	100	200

OCCUPATIONAL EXPOSURE LIMITS

What are OELs?

An Occupational Exposure Limit (OEL) is a predetermined upper limit on the acceptable concentration of a hazardous substance in workplace air. OELs are normally determined by workplace sampling and reviews of historical exposures and workplace health statistics. OELs are typically determined by competent national authorities and enforced by legislation

to protect workplace health and safety. Like APFs described above, OELs for any given chemical, material or class of material can vary from country to country across Europe, so it is important to also check and be familiar with national OELs when implementing a respiratory protection programme.





FULL MASK

Brand	Image	Description	Manufacturer Part No.	Hypoallergenic	Size	RS Stock No.
	1	Full Face Mask		Yes	One Size	918-5781
	2	Crusader Negative Pressure Respirator	310-00-80P	No	One Size	230-4001
	3	6000 Series Respirator	6700	No	S	286-7136
	3	6000 Series Respirator	6800	No	M	286-7142
	3	6000 Series Respirator	6900	No	L	286-7164
	4	Full Face Respirator	7907S	No	One Size	286-7120

HALF MASK

Brand	Image	Description	Manufacturer Part No.	Hypoallergenic	Size	RS Stock No.
	5	Half Mask		Yes	One Size	918-5790
	6	Organic Vapour/Particulate Respirator	4251	No	One Size	711-766
	6	Organic Vapour/Particulate Respirator	4255	No	One Size	766-176
	7	ABE1P2SL Maintenance Free Respirator	4277	No	One Size	358-4359
	7	ABEK1P2SL Maintenance Free Respirator	4279	No	One Size	287-2649
	8	6000 Series Respirator	6100	No	S	766-362
	8	6000 Series Respirator	6200	No	M	766-378
	8	6000 Series Respirator	6300	No	L	766-384
	9	6500 Series Respirator	70071668134	No	S	815-4164
	9	6500 Series Respirator	70071668142	No	M	815-4168
	9	6500 Series Respirator	70071668159	No	L	815-4177



HALF MASK

Brand	Image	Description	Manufacturer Part No.	Hypoallergenic	Size	RS Stock No.
3M	1	7500 Series Respirator	7501	No	S	773-4448
	1	7500 Series Respirator	7502	No	M	472-3735
	1	7500 Series Respirator	7503	No	L	472-4457
	2	A2P3 Ready To Use Kit	7523M	Yes	M	666-7696
DELTA PLUS	3	Rubber Half Mask	M3200 MARS	No	One Size	424-550
	4	Twin Filtered Rubber Respirator	BHK000-004-051	No	One Size	288-1205
	5	Force 8 Respirator	BHT003-0L5-000	Yes	M	879-2937
JSP	5	PressToCheck P3 Kit Force 8	BHT0A3-0L5-N00	Yes	M	879-2956
	5	PressToCheck A2P3 Kit Force 8	BHT0B3-0L5-N00	Yes	M	879-2965
	5	PressToCheck ABEK1P3 Kit Force 8	BHT0C3-0L5-N00	Yes	M	879-2968
	6	AIP2 Tradesman 2 Twin Respirator	BKG280-005-051	Yes	One Size	350-1635
MOLDEX	7	700 Series Respirator	7432	No	M	894-8975



Product Instruction Language	A	UK, Denmark, Sweden, Norway, Finland, Slovenia, Croatia, Estonia, Latvia, Lithuania, Slovakia, Russian Federation, Serbia, Kazakhstan, Bulgaria, Ukraine, United Arab Emirates
	B	France, Italy, Germany, Turkey, Spain, Portugal, Netherlands, Czech Republic, Romania, Poland, Hungary, Greece, Israel, Australia

PROTECTION CLASS FFP1

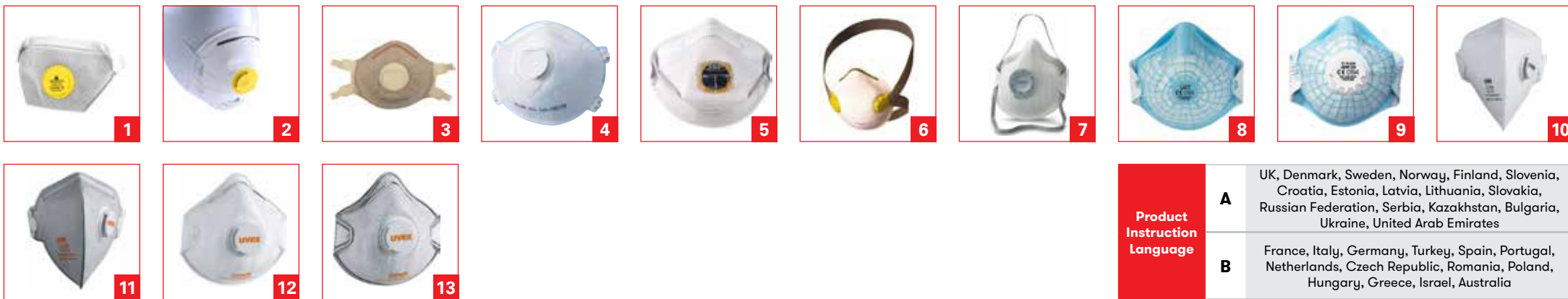
Brand	Image	Description	Manufacturer Part No.	Valved	Moulded	Adjustable Nose Clips	Style	Product Instruction Language	RS Stock No.
	1	Cup Shaped Respirator		No	No	Yes	Cup		918-5804
	2	Fold Flat Respirator		Yes	No	Yes	Fold Flat		918-5822
	3	Valved Dust/Mist Respirator	8312	Yes	Yes	Yes	Cup		705-8797
	4	Dust Respirator	8710E	Yes	Yes	Yes	Cup		711-687
	5	Valved Dust Respirator	8812	Yes	Yes	Yes	Cup		766-356
	6	Aura Dust Respirator	9310+	No	No	No	Fold Flat	A	766-0369
	6	Aura Dust Respirator	9310+	No	No	No	Fold Flat	B	742-7487
	7	Aura Valved Dust Respirator	9312+	Yes	No	No	Fold Flat	A	766-0378
	7	Aura Valved Dust Respirator	9312+	Yes	No	No	Fold Flat	B	742-7496
	8	Nuisance Odour Respirator	9913	No	Yes	Yes	Cup		711-744
	9	Valved Nuisance Odour Respirator 10pk	9914	Yes	Yes	Yes	Cup		450-1715
	10	Unpleasant Odour Respirator 5pk	9914	Yes	Yes	Yes	Cup		516-7192
	11	Acid Vapour Respirator	1005598	Yes	Yes	Yes	Cup		409-3141
	12	Typhoon Valve Fold Flat Respirator	BEY110-201-000	Yes	No	Yes	Fold Flat		736-2302
	13	R10 Dual Valved Respirator	64260	Yes	Yes	Yes	Cup		767-2964
	14	3010-V Moulded Mask	3010-V	Yes	Yes	No	Cup		125-4010
	15	AMF1 AlphaFlow Moulded Respirator	AMF1	No	Yes	No	Cup		125-4005



Product Instruction Language	A	UK, Denmark, Sweden, Norway, Finland, Slovenia, Croatia, Estonia, Latvia, Lithuania, Slovakia, Russian Federation, Serbia, Kazakhstan, Bulgaria, Ukraine, United Arab Emirates
	B	France, Italy, Germany, Turkey, Spain, Portugal, Netherlands, Czech Republic, Romania, Poland, Hungary, Greece, Israel, Australia

PROTECTION CLASS FFP2

Brand	Image	Description	Manufacturer Part No.	Valved	Moulded	Adjustable Nose Clips	Style	Product Instruction Language	RS Stock No.
		Valved Dolomite Respirator		Yes	Yes	Yes	Cup		918-5810
		Cup Shaped Respirator		No	No	Yes	Cup		918-5813
		Fold Flat Respirator		Yes	No	Yes	Fold Flat		918-5826
		Valved Dust/Mist Respirator	8322	Yes	Yes	Yes	Cup		705-8790
		Dust/Mist Respirator	8810	No	Yes	Yes	Cup		179-3618
		Valved Dust/Mist Respirator	8822	Yes	Yes	Yes	Cup		766-160
		Dust/Mist/Metal Fume Respirator	8825	Yes	Yes	Yes	Cup		711-716
		Dust/Mist/Metal Fume Respirator	8825+	Yes	Yes	Yes	Cup		125-4033
		Aura Dust Respirator	9320+	No	No	No	Fold Flat	A	766-0371
		Aura Dust Respirator	9320+	No	No	No	Fold Flat	B	742-7499
		Aura Valved Dust Respirator	9322+	Yes	No	No	Fold Flat	B	766-0375
		Aura Valved Dust Respirator	9322+	Yes	No	No	Fold Flat	A	742-7493
		Particulate Respirator	9422+	Yes	No	No	Fold Flat		880-6875
	Particulate Respirator w/ Nuisance Level	9922	Yes	Yes	Yes	Cup		666-7687	
	Welding Fume Respirator	9925	Yes	Yes	Yes	Cup		548-8821	
	Welding Fume Respirator	9928	Yes	Yes	Yes	Cup		409-6588	



Product Instruction Language	A	UK, Denmark, Sweden, Norway, Finland, Slovenia, Croatia, Estonia, Latvia, Lithuania, Slovakia, Russian Federation, Serbia, Kazakhstan, Bulgaria, Ukraine, United Arab Emirates
	B	France, Italy, Germany, Turkey, Spain, Portugal, Netherlands, Czech Republic, Romania, Poland, Hungary, Greece, Israel, Australia

PROTECTION CLASS FFP2

Brand	Image	Description	Manufacturer Part No.	Valved	Moulded	Adjustable Nose Clips	Style	Product Instruction Language	RS Stock No.
	1	Organic Vapour Respirator	M1200VPW	Yes	No	Yes	Fold Flat		174-823
	2	Moulded Valve Respirator	M1200V	Yes	Yes	Yes	Cup		424-538
	3	Arc Welding Respirator	1005595	Yes	Yes	No	Cup		409-3157
	4	Toxic Particle Valved Mask	1005586	Yes	Yes	Yes	Cup		409-3696
	4	Toxic Particle Mask	1005584	No	Yes	Yes	Cup		409-3703
	5	Typhoon Valve Fold Flat Respirator	BEY120-201-100	Yes	No	Yes	Fold Flat		736-2311
	6	R20 Dual Valved Respirator	64550	Yes	Yes	Yes	Cup		767-2968
	7	Classic Ventex-Valve Respirator	2405	Yes	Yes	No	Cup		894-8944
	8	AMF2 AlphaFlow Moulded Respirator	AMF2	No	Yes	No	Cup		125-4006
	9	AMF2V AlphaFlow Moulded Respirator	AMF2V	Yes	Yes	No	Cup		125-4007
	10	Fold Valve Respirator Mask x15	8733.21	Yes	No	Yes	Fold Flat		130-6097
	11	Fold Valve & Carbon Respirator	8733.22	Yes	No	Yes	Fold Flat		130-6098
	12	Cup Valve & Carbon Respirator	8732.21	Yes	Yes	Yes	Cup		130-6099
	13	Cup Valve Respirator Mask x 15	8732.22	Yes	Yes	Yes	Cup		130-6100



Product Instruction Language	A	UK, Denmark, Sweden, Norway, Finland, Slovenia, Croatia, Estonia, Latvia, Lithuania, Slovakia, Russian Federation, Serbia, Kazakhstan, Bulgaria, Ukraine, United Arab Emirates
	B	France, Italy, Germany, Turkey, Spain, Portugal, Netherlands, Czech Republic, Romania, Poland, Hungary, Greece, Israel, Australia

PROTECTION CLASS FFP3

Brand	Image	Description	Manufacturer Part No.	Valved	Moulded	Adjustable Nose Clips	Style	Product Instruction Language	RS Stock No.
	1	Cup Shaped Respirator		Yes	Yes	Yes	Cup		918-5816
	2	Valved Dolomite Respirator		Yes	Yes	Yes	Cup		918-5829
	3	Fold Flat Respirator		Yes	No	Yes	Fold Flat		918-5835
	4	Soft Seal Valved Respirator	8833	Yes	Yes	Yes	Cup		133-248
	5	Dust/Mist/Metal Fume Respirator	8835	Yes	Yes	Yes	Cup		711-722
	6	Dust/Mist/Metal Fume Respirator	8835+	Yes	Yes	Yes	Cup		125-4034
	7	Aura Dust/Fume Respirator	9332+	Yes	No	No	Fold Flat	A	766-0384
	7	Aura Dust/Fume Respirator	9332+	Yes	No	No	Fold Flat	B	742-7503
8	Particulate Respirator	9432+	Yes	No	No	Fold Flat		880-6884	
	9	4311 Dust/Spray/Smoke Respirator	1005630	Yes	No	Yes	Fold Flat		525-4066
	10	Typhoon Valve Fold Flat Respirator	BEY130-201-000	Yes	No	Yes	Fold Flat		736-2314
	11	R30 Dual Valved Respirator	64590	Yes	Yes	Yes	Cup		767-2977
	12	Charcoal Disposable Respirator	2535	Yes	Yes	No	Cup		894-8941
	13	Smart Disposable Respirator	2505	Yes	Yes	No	Cup		894-8947
	14	AMF3V AlphaFlow Moulded Respirator	AMF-3V	Yes	Yes	No	Cup		125-4009
	15	AMF3CV AlphaFlow Moulded Respirator	AMF-3CV	Yes	Yes	No	Cup		125-4008
	16	Fold Valve Respirator Mask x15	8733.31	Yes	No	Yes	Fold Flat		130-6101
	17	Cup Valve Respirator Mask x 15	8732.31	Yes	Yes	Yes	Cup		130-6102
	17	Cup Valve Respirator Mask 15 S	8732.312	Yes	Yes	Yes	Cup		130-6103



AIR FED & POWERED RESPIRATORS

Brand	Image	Description	Manufacturer Part No.	Rating When Used With	Mode of Operation	Number of Filters	Head Covered Impact Protection EN397	Powered Nominal Protection Factor	Powered filtering devices incorporating a helmet or a hood EN12941	Eye Protection EN166	RS Stock No.
3M	1	3M™ Jupiter™ Powered Respirator Unit	085-00-10P	8285681 3M™ Versflo™ M-306 Helmet	Powered Air System	2	Yes	50	TH2	EN166 1:BT:3 with M-927 Coated Visor EN166 1:BT:3:9 with M-925 Uncoated Visor	410-3850
	2	3M™ Versaflo™ TR-302E+ Powered Respirator Unit	TR-302E+	8285681 3M™ Versflo™ M-306 Helmet	Powered Air System	1	Yes	500	TH3	EN166 1:BT:3 with M-927 Coated Visor EN166 1:BT:3:9 with M-925 Uncoated Visor	737-3651
	3	3M™ Jupiter™ Powered Respirator Starter Kit	RTUJUPITER	8285681 3M™ Versflo™ M-306 Helmet	Powered Air System	2	Yes	50	TH2	EN166 1:BT:3 with M-927 Coated Visor EN166 1:BT:3:9 with M-925 Uncoated Visor	817-9306
JSP	4	PowerCap Active IP, Universal Plug	CAE602-941-151	Supplied as complete unit	Powered Air System	2	No	10	TH1	Faceshield: EN166:1995 1.3.4.B (IP Version only)	772-0032

Eye Protection

INTRODUCTION

Welcome to our Eye Protection selection guide.

This guide helps you select the most appropriate protective eyewear for you and your business.

The guide includes a details of the risk types you may be subject to. It gives an overview of lens and frame markings and covers the European safety standards to be aware of when choosing. Selection tables provide all of the information you need to make a buying decision.



WHY BUY FROM RS?

As industry experts we offer a wide range of Protective Eyewear for many environments and risk types. We stock professionally-approved RS products and many from market leading brands. This means you can find all the products you need from one source, with next day delivery, competitive pricing and bulk discounts.

LENS MATERIALS

Polycarbonate lenses provide the highest impact level tested under EN166.

Acetate and CR39 lenses still give general impact protection but are geared more for longer duration against liquid and chemical splash situations.

Ventilated versions give an **extra aeration** to the anti-fog lens but still conform to the liquid and chemical splash requirements.

Non Ventilated (or sealed) also conform to the liquid and chemical splash requirements but in addition provide dust protection conformity.

WHAT TYPE OF PROTECTION SHOULD YOU CHOOSE?

Protecting yourself from MECHANICAL risks

Grinding work, particle projections, projections of metal filings or debris from tools.

Risks or Use	Symbol*	Safety Spectacles	Safety Goggles	Standard
Low energy impact 45 m/s	F			EN166
Medium energy impact 120 m/s	B	-		EN166
High energy impact 190 m/s	A	-	-	EN166

The F, B or A symbol must be indicated on the lens and the frame to guarantee protection from mechanical risks. If the symbols differ, the symbol representing the lowest resistance is applied to the protection as a whole.

Protecting yourself from ELECTRIC risks

Protection from live contact and short circuit electric arcs.

Risks or Use	Symbol*	Safety Spectacles	Safety Goggles	Standard
Short-circuit electric arc	8	-	-	EN166

The 8 symbol must be indicated on the lens and the frame to guarantee protection from electrical risks.

Protecting yourself from THERMAL risks

Sprays of hot liquids or solids, intense heat radiation, radiating heat from furnaces.

Risks or Use	Symbol*	Safety Spectacles	Safety Goggles	Standard
Spray of molten metals and hot solids	9	-		EN166

The 9 symbol must be indicated on the lens and the frame to guarantee protection from thermal risks.

Protecting yourself from RADIATION risks

Exposure of the eyes to high intensity, ultra violet, infra-red and visible light sources, welding activities, steelworks, surgery.

Risks or Use	Symbol*	Safety Spectacles	Safety Goggles	Standard
Ultraviolet radiation	2			EN166 EN170
Infra-red radiation	4			EN166 EN171
Solar radiation for industrial use	5 or 6			EN166 EN172
Electric welding	EN175 for the hood EN379 for the filter	-	-	EN166-169 EN175 EN379
Gas welding	1.7/3/5			EN166 EN169
Laser radiation	R1 to R5 LB1 to LB10			EN207 EN208

The standard is identified on the lens markings.

Protecting yourself from CHEMICAL risks

Protection from toxic dust, aerosols, dangerous liquids, gas or toxic vapours.

Risks or Use	Symbol*	Safety Spectacles	Safety Goggles	Standard
Liquid droplets	3	-		EN166
Liquid splashes	3	-		EN166
Large dust particles > 5 microns	4	-		EN166
Gas and fine dust particles < 5 microns	5	-		EN166

The 3, 4 and 5 symbol or symbols must be indicated on the frame. If none of these symbols is indicated in the markings, then the equipment is not suitable for chemical risks.

MANDATORY MARKINGS

Lens and frame marking is specific to each product

Each marking corresponds to a very specific use. Certified by independent laboratories, this information guarantees protective eyewear quality and resistance.

EN Standard
EN166 FT CE

Manufacturer logo

Lens technology

European standard
2C-1.2 1 FT CE

Code (field of use)
2 or 3: UV filter (EN170)
4: IR filter (EN171)
5 or 6: solar filter (EN172)

Protection class
1.2 to 6: degree of visible light filtration

Mechanical strength
Mandatory marking on frame and lens
S Extra strong, resists a 22 mm 43 g ball falling 1.30 m at 5.1 m/s.
F Low energy impact, resists a 6 mm, 0.86 g ball at 45 m/s.
B Medium energy impact, resists a 6 mm, 0.86 g ball at 120 m/s.
A High energy impact, resists a 6 mm, 0.86 g ball at 190 m/s.
T The letter T, immediately after the mechanical strength symbol, authorises use in an environment in which high speed particles at extreme temperatures are present.
Marking on the lenses only
K Resistance to surface damage by fine particles (optional).
N Resistance to fogging (optional).

Colour perception
C: unimpaired colour perception

Crown
Manufacturer identification
Bollé Safety

Optical class
1: high optical quality
No optical distortion (suitable for permanent wear)

bollé SAFETY

EUROPEAN STANDARDS

Basic Standards

- EN166** Guarantee of minimum protection against everyday risks (dropping, sun-ageing, heat exposure, corrosion, etc.)
EN167 Optical test methods.
EN168 Test methods other than optical.

Standards by type of application

Identified by a code (field of use) which is on the lens marking.

- EN169** Welding filters.
EN170 Ultra-violet filters (code 2 or 3).
EN171 Infra-red filters (code 4).
EN172 Industrial use solar protection filters (code 5 or 6).
EN175 Equipment for welding (presence of the EN175 on the product).
EN207 Laser protection glasses (code LB1 to LB10).
EN208 Laser adjustment glasses (code R1 to R5).
EN379 Specification covering welding filters

Frame Marking

The frame must include:

- CE symbol • Manufacturer • Use & strength symbols
- EN standard (if applicable)

Symbols explained:

Only on the frame (chemical protection)

- 3** Liquid droplets or splashes.
4 Large dust particles > 5 microns.
5 Gas and fine dust particles < 5 microns.

Mandatory marking on frame and lens

- 8** Electrical short circuit arc.
9 Molten metal and hot solids.

Lens Markings

Lens marking must include:

- The scale number for filtering lenses (code).
- The manufacturer's name (logo or brand recommended by the manufacturer).

Symbols explained:

- 1 Continuous work - Worn permanently
- 2 Non-continuous work - Worn intermittently
- 3 Occasional work, must not be worn permanently.
- 8 Electrical short circuit arc.
- 9 Molten metal and hot solids.

WARNING

- F.** Maximum protection for glasses
B. Maximum protection for goggles
A. Maximum protection for face shields

If the S, F, B, A and T symbols do not apply to both the lens and frame, then the lowest level must be assigned to the complete protective eyewear

WHY USE OVER SPECTACLES?



Overspectacles are designed to fit over most users' prescription spectacles with minimal interference.

They offer an excellent coverage and field of vision, combined with a high level of protection against impacts.



SAFETY GOGGLES

Brand	Image	Description	Manufacturer Part No.	Lens Marking EN166	Frame Marking EN166	UV Protection EN170	Scratch Resistant	Anti-Mist Coating	Welding Safe EN175	Laser Safe EN207/EN208	Lens Material	Vented	RS Stock No.
		1 Direct Vent Goggle		1 B	B	No	No	No	No	No	Polycarbonate	Yes	918-5765
		2 Indirect Vent Goggle		1 B	B 3	No	No	No	No	No	Polycarbonate	Yes	918-5769
		3 Ultra Vista Goggle		1 B T	BT 3	Yes	Yes	Yes	No	No	Polycarbonate	Yes	918-5771
		4 Ultra Vista Unvented Goggle		1 B T KN	BT 3 4 5	Yes	Yes	Yes	No	No	Polycarbonate	No	918-5775
		5 Panoramic Lens Goggle			1 B	B	Yes	Yes	Yes	No	No	Polycarbonate	Yes
		6 Lexa Splash Goggle	16671-00000	1 F	F 3 4	Yes	Yes	No	No	No	Polycarbonate	No	434-3474
		7 Sealed Premium Acetate Lens Goggles	2890SA	1 FT N	3 4 5 FT	Yes	No	Yes	No	No	Acetate	No	772-2782
		8 4800AF Classic Goggles Clear	71347-00004CRS	1 B	B 3	Yes	No	Yes	No	No	Polycarbonate	No	465-9331
		9 Fahrenheit Goggle DX Coating	71360-000001	1 B T	3 4 B T	Yes	Yes	Yes	No	No	Polycarbonate	Yes	666-7707
		10 Attack Multi-Purpose Goggles	ATPSI	1 9 B	3 4 5 9 B	Yes	Yes	Yes	No	No	Polycarbonate	No	395-6114
		11 Clearblue Goggles Clear	BLAPSI	1 B T 9	3 9 B T	Yes	Yes	Yes	No	No	Polycarbonate	Yes	495-0842
		12 Clearblue Goggles Face Guard Attachment	BLV		3 B T	No	No	No	No	No	Polycarbonate	Yes	495-0858
		13 Clean Room Goggles	COVACLEAN	1 B T	3 4 B T	Yes	Yes	Yes	No	No	Polycarbonate	Yes	123-6214
		14 Pilot Goggles CSP Coated Lens	PILOCSP	1 B T KN	3 4 B T	Yes	Yes	Yes	No	No	Polycarbonate	Yes	123-6213
		15 V-Maxx Chemistry Goggles x 1	1007506	1 F	3 4 F	No	Yes	Yes	No	No	Acetate	Yes	104-0936
		15 V-Maxx Chemistry Goggles x 10	1006193	1 B	3 4 9 B	No	Yes	Yes	No	No	Polycarbonate	Yes	104-0935
		16 U-Sonic, Clear	9308-245	1 B 3 4 KN	3 4 B	Yes	Yes	Yes	No	No	Polycarbonate	Yes	130-2340
		17 Carbonvision Safety Goggles, Clear	9307-375	1 B 3 4 KN	3 4 B	Yes	Yes	Yes	No	No	Polycarbonate	Yes	130-2341
		18 Ultrasonic, Clear	9302-245	1 B 3 4 9 KN	3 4 9 B	Yes	Yes	Yes	No	No	Polycarbonate	Yes	130-2342
		19 Ultravision Supravision HC-AF Clear	9301-105	1 B 3 4 9 KN	3 4 9 B	Yes	Yes	Yes	No	No	Polycarbonate	Yes	130-2343
		19 Ultravision, Optidur 4C PLUS, Clear	130-2344	1 B 3 4 K	3 4 9 B	Yes	Yes	Yes	No	No	Polycarbonate	Yes	130-2344



SAFETY SPECTACLES

Brand	Image	Description	Manufacturer Part No.	Lens Marking EN166	Frame Marking EN166	UV Protection EN170	Scratch Resistant	Anti-Mist Coating	Welding Safe EN175	Laser Safe EN207/EN208	Lens Material	Vented	RS Stock No.	
		1 Foam Seal Glasses Clear		1F	F	No	Yes	Yes	No	No	Polycarbonate	Yes	918-5734	
		2 Frameless Glasses Clear		1F	F	No	Yes	No	No	No	Polycarbonate	No	918-5737	
		3 Frameless Glasses Amber		1F	F	No	Yes	No	No	No	Polycarbonate	No	918-5731	
		4 Frameless Glasses Smoke		1F	F	No	Yes	No	No	No	Polycarbonate	No	918-5740	
		5 Curved Lens Glasses Clear			1F	F	Yes	Yes	No	No	No	Polycarbonate	No	918-5743
		6 Wrap Around Glasses Clear			1FT	FT	Yes	Yes	No	No	No	Polycarbonate	No	918-5747
		7 Wrap Around Glasses Smoke			1FT	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	918-5756
		8 Visitor Safety Glasses Clear			1F	F	No	No	No	No	No	Polycarbonate	No	918-5759
		9 Stylish Full Wrap Around Glasses Clear			1F	F	No	Yes	No	No	No	Polycarbonate	No	918-5753
		10 Stylish Full Wrap Around Glasses Smoke			1F	F	Yes	Yes	No	No	No	Polycarbonate	No	918-5762
		11 2820 Classic Line Glasses Clear	2820	1FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	740-1450	
		12 Fuel X2 Glasses Clear	7150600	1FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	770-3620	
		13 Fuel X2 Glasses Bronze	7150601	1FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	770-3624	
		14 Fuel X2 Glasses Red Mirror	7150602	1FT	FT	Yes	No	No	No	No	Polycarbonate	Yes	770-3633	
		15 Refine 300 Glasses Clear	7150700	1FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	705-8794	
		16 1200E AS-AF Glasses Clear	7150900	1FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	770-3636	
		17 1200E AS-AF Glasses Grey	7150901	1FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	770-3630	
		18 Eagle Premium Line Glasses Clear	01-3022-10M	1S	FT	Yes	Yes	No	No	No	No	CR39	Yes	778-2484
		19 Eagle Glasses Clear	04-3022-20	1FT	FT	Yes	Yes	No	No	No	No	Polycarbonate	Yes	494-9690
		20 Light Vision Hardium+ Clear	11356-00000P	1FT	FT	Yes	Yes	Yes	No	No	No	Polycarbonate	Yes	462-962



SAFETY SPECTACLES

Brand	Image	Description	Manufacturer Part No.	Lens Marking EN166	Frame Marking EN166	UV Protection EN170	Scratch Resistant	Anti-Mist Coating	Welding Safe EN175	Laser Safe EN207/EN208	Lens Material	Vented	RS Stock No.
		BX Readers +1.50 Clear Hardium+ Lens	11374-00000P	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	666-7690
		BX Readers +2.00 Clear Hardium+ Lens	11375-00000P	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	666-7700
		BX Readers +2.50 Clear Hardium+ Lens	11376-00000P	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	666-7703
		Maxim RAS Glasses Clear	11864-00000M	1 FTK	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	770-3649
		Maxim Wrap Around Glasses Clear	13225-00000	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	494-9634
		Maxim Wrap Around Glasses Amber	13228-00000	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	494-9656
		Nassau+ Blue Frame Glasses Clear	14706-00000	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	740-1419
		Lexa Glasses Slate Grey	15233-00000	1 F	F	Yes	Yes	Yes	No	No	Polycarbonate	Yes	358-4185
		Metaliks Silver Glasses Clear	71460-00001C	1 F	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	434-3547
3M		Metaliks Silver Glasses Grey	71460-00002C	1 F	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	434-3553
		Metaliks Sport Hardium+ Glasses Clear	71461-00001CP	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	277-976
		Metaliks Sports Glasses Blue	71461-00003CP	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	277-960
		Tora Hardium+ Glasses Clear	71501-00001CP	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	278-020
		Solus Hardium Lens Glasse Clear	71505-00001CP	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	277-752
		Solus Glasses Amber	71505-00004CP	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	740-1466
		Solus Glasses Blue Mirror	71505-00009CP	1 FT	FT	Yes	No	No	No	No	Polycarbonate	Yes	740-1469
		Tora CCS Glasses Clear	71511-00000M	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	770-3642
		Virtua AP Glasses Clear	71512-00000	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	740-1453
		Virtua AP Glasses Grey	71512-00001	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	740-1457
		SecureFit 200 Glasses Clear	SF201AF-EU	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	789-7772



SAFETY SPECTACLES

Brand	Image	Description	Manufacturer Part No.	Lens Marking EN166	Frame Marking EN166	UV Protection EN170	Scratch Resistant	Anti-Mist Coating	Welding Safe EN175	Laser Safe EN207/EN208	Lens Material	Vented	RS Stock No.
3M	1	SecureFit 200 Glasses Grey	SF202AF-EU	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	789-7775
	2	SecureFit 200 Glasses Amber	SF203AF-EU	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	789-7779
	3	SecureFit 400 Glasses Clear	SF401AF-EU	1 FT	FT	Yes	No	Yes	No	No	Polycarbonate	Yes	824-5425
	4	SecureFit 400 Glasses Grey	SF402AF-EU	1 FT	FT	Yes	No	Yes	No	No	Polycarbonate	Yes	824-5428
	5	SecureFit 400 Glasses Amber	SF403AF-EU	1 FT	FT	Yes	No	Yes	No	No	Polycarbonate	Yes	824-5422
	6	SecureFit 400 Glasses Blue Mirror	SF408AS-EU	1 FT	FT	Yes	No	No	No	No	Polycarbonate	Yes	824-5431
	7	SecureFit 400 Glasses Mirror	SF410AS-EU	1 FT	FT	Yes	No	No	No	No	Polycarbonate	Yes	824-5434
bolle SAFETY	8	Axis Lightweight Glasses Contrast	AXCONT	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	489-7145
	9	Axis Lightweight Glasses Grey	AXPSF	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	489-7139
	10	Axis Lightweight Glasses Clear	AXPSI	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	489-7117
	11	Bandido Wrap Around Glasses Clear x 1	BANCI	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	495-0864
	12	Bandido Wrap Around Glasses Clear x 10	BANCI	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	768-8739
	13	Baxter Wraparound CSP Lens Glasses	BAXCSP	1 BT KN	3 4 5 BT	Yes	Yes	Yes	No	No	Polycarbonate	No	123-6210
	14	Baxter Wraparound Glasses Smoke	BAXPSF	1 BT KN	3 4 5 BT	Yes	Yes	Yes	No	No	Polycarbonate	No	123-6209
	15	Baxter Wraparound Glasses Clear	BAXPSI	1 BT KN	3 4 5 BT	Yes	Yes	Yes	No	No	Polycarbonate	No	123-6208
	16	Premium Glasses Clear	BOSSPSI	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	737-8151
	17	Chopper Glasses Clear	CHOPsi	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	725-8105
	18	Cobra Goggles Foam & Strap Clear	COBFSPSI	1 BT KN	3 BT	Yes	Yes	Yes	No	No	Polycarbonate	No	725-8091
	19	Cobra Glasses Hydrophobic HD Lens	COBHDpi	1 BT	FT	Yes	No	No	No	No	Polycarbonate	Yes	725-8095
	20	Contour ESP Glasses	CONTESP	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	295-839



SAFETY SPECTACLES

Brand	Image	Description	Manufacturer Part No.	Lens Marking EN166	Frame Marking EN166	UV Protection EN170	Scratch Resistant	Anti-Mist Coating	Welding Safe EN175	Laser Safe EN207/EN208	Lens Material	Vented	RS Stock No.
		Contour Metal Frame Glasses Clear	CONTMP5I	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	689-9623
		Contour Glasses Clear x 1	CONT5PI	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	295-823
		Contour Glasses Clear x 10	CONT5PI	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	768-8736
		Galaxy Glasses Clear	GALAP5I	1 FT K	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	725-8108
		IRI-s Ready Reader +1.5	IRIDPS1.5	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	794-8653
		IRI-s Ready Reader +2.0	IRIDPS1.2	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	794-8662
		IRI-s Ready Reader +2.5	IRIDPS1.5	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	794-8665
		IRI-s Ready Reader +3.0	IRIDPS1.3	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	794-8669
		IRI-s Safety Glasses Smoke	IRIP5F	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	794-8631
		IRI-s Safety Glasses Clear	IRIP5I	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	794-8637
		IRI-s Safety Glasses Twilight	IRITWI	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	794-8640
		Mamba Glasses Clear	MAMP5I	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	689-9629
		Rush + Glasses Smoke	RUSHPP5F	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	794-8647
		Rush + Glasses Clear	RUSHPP5I	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	794-8643
		Rush + Glasses Twilight	RUSHPTWI	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	794-8656
		Rush Glasses Twilight	Rushtwi	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	769-4028
		Silium+ Indoor/Outdoor Glasses	SILPC5P	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	847-7587
		Silium+ Glasses Smoke	SILPP5F	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	847-7578
		Silium+ Glasses Clear	SILPP5I	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	847-7574
		Silium Glasses Grey	SILP5F	1 F	F	Yes	Yes	Yes	No	No	Polycarbonate	Yes	489-7101



SAFETY SPECTACLES

Brand	Image	Description	Manufacturer Part No.	Lens Marking EN166	Frame Marking EN166	UV Protection EN170	Scratch Resistant	Anti-Mist Coating	Welding Safe EN175	Laser Safe EN207/EN208	Lens Material	Vented	RS Stock No.
		Silium Glasses Clear x 1	SILPSI	1 F	F	Yes	Yes	Yes	No	No	Polycarbonate	Yes	489-7094
		Silium Glasses Clear x 10	SILPSI	1 F	F	Yes	Yes	Yes	No	No	Polycarbonate	Yes	768-8723
		Slam Reflective Glasses	Slahivi	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	769-4012
		Solis B-Green Glasses	SOLIBPSI	1 F	F	Yes	Yes	Yes	No	No	Polycarbonate	Yes	743-4775
		Spider Flash Glasses	SPIFLASH	1 FT K	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	295-851
		Spider Safety Glasses	SPIPSI	1 FT K	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	295-845
		Tracker Spectacle Clear	TRACPSI	1 BT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	689-9632
		Universal Glasses Clear	Unipsi	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	769-4015
		Viper Safety Spectacles Smoke	VIPCF	1 F	F	Yes	Yes	No	No	No	Polycarbonate	Yes	468-0818
		Viper Safety Spectacles Clear x 1	VIPCI	1 F	F	Yes	Yes	No	No	No	Polycarbonate	Yes	468-0795
		Viper Safety Spectacles Clear x 10	VIPPSI	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	768-8727
		Viper Safety Spectacles Yellow	VIPSJ	1 F	F	Yes	Yes	Yes	No	No	Polycarbonate	Yes	468-0824
		Piton2 Glasses Clear	PITO2IN	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	Yes	755-7954
		A700 Safety Anti-Scratch Glasses Clear	1015361	1 F	F	Yes	Yes	No	No	No	Polycarbonate	No	497-312
		A700 Safety Anti-Fog Glasses Clear	1015360	1 F	F	Yes	Yes	Yes	No	No	Polycarbonate	No	104-0946
		A800 Safety Glasses Clear	1015370	1 F	F	Yes	Yes	No	No	No	Polycarbonate	No	104-0947
		A800 Anti-Mist Safety Glasses Clear	1015369	1 F	F	Yes	Yes	Yes	No	No	Polycarbonate	No	104-0948
		Millennia 2G Fog Ban Safety Glasses Clear	1032179	1 FT KN	FT KN	Yes	Yes	Yes	No	No	Polycarbonate	No	104-0949
		Millennia 2G Fog Ban Safety Glasses Grey	1032180	1 FT KN	FT KN	Yes	Yes	Yes	No	No	Polycarbonate	No	104-0950
		Protégé Extreme Safety Glasses Clear	1031271	1 FT KN	FT KN	Yes	Yes	Yes	No	No	Polycarbonate	No	104-0951



SAFETY SPECTACLES

Brand	Image	Description	Manufacturer Part No.	Lens Marking EN166	Frame Marking EN166	UV Protection EN170	Scratch Resistant	Anti-Mist Coating	Welding Safe EN175	Laser Safe EN207/EN208	Lens Material	Vented	RS Stock No.
Honeywell		SP1000 Dura Stream Safety Glasses	1028640	1 FT KN	FT KN	Yes	Yes	Yes	No	No	Polycarbonate	No	104-0952
		Ignite Safety Glasses Clear	1017086	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	104-0953
		Instinct Dura-Streme Safety Glasses Clear	1031542	1 FT KN	FT KN	Yes	Yes	Yes	No	No	Polycarbonate	No	104-0954
		Op-Tema Safety Glasses Clear	1000016	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	No	409-3090
		Op-Tema Safety Glasses Grey	1000017	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	No	409-3107
		Op-Tema Safety Glasses Blue Frame Clear	1000018	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	No	409-3113
		Ignite Anti Fog Safety Glasses Clear	1017081	1 FT	FT	Yes	Yes	No	No	No	Polycarbonate	No	677-8734
		Protégé Safety Glasses Clear	1015364	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	677-8743
DEWALT		Protector Glasses Clear	DPG54-1D EU	1 F	F	Yes	Yes	No	No	No	Polycarbonate	No	518-6121
		Protector Glasses Indoor/Outdoor	PROTECTOR IN/ OUTDOOR	1 F	F	Yes	Yes	No	No	No	Polycarbonate	No	518-6137
		Protector Glasses Sun	DPG54-2D EU	1 F	F	Yes	Yes	No	No	No	Polycarbonate	No	518-6143
		Reinforcer Glasses Sun	DPG58-6D EU	1 F	F	Yes	Yes	No	No	No	Polycarbonate	No	518-6165
		Infinity Smoke Glasses	DPG90S-2D EU	1 F	F	Yes	Yes	No	No	No	Polycarbonate	No	667-8404
		Infinity Glasses Blue/Mirror	DPG90S-7D EU	1 F	F	Yes	Yes	No	No	No	Polycarbonate	No	689-5889
Kimberly-Clark PROFESSIONAL		V20 Purity Indoor/Outdoor Glasses	25656	1 FT	FT	Yes	No	No	No	No	Polycarbonate	No	715-8005
		V30 Nemesis Indoor/Outdoor Glasses	25685	1 FT	FT	Yes	No	No	No	No	Polycarbonate	No	767-2841
		V30 Nemesis Glasses Amber	25673	1 FT	FT	Yes	No	No	No	No	Polycarbonate	No	767-2845
		V10 Element Glasses Clear	25642	1 FT	FT	No	No	No	No	No	Polycarbonate	No	767-2848
		V30 Nemesis Glasses Mirror Smoke	25688	1 FT	FT	Yes	No	No	No	No	Polycarbonate	No	767-2854
		V50 Calico Glasses Clear	25672	1 FT N	FT	Yes	Yes	No	No	No	Polycarbonate	No	767-2863



SAFETY SPECTACLES

Brand	Image	Description	Manufacturer Part No.	Lens Marking EN166	Frame Marking EN166	UV Protection EN170	Scratch Resistant	Anti-Mist Coating	Welding Safe EN175	Laser Safe EN207/EN208	Lens Material	Vented	RS Stock No.
uvex	1	i-3 Clear Safety Glasses	9190-280	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2312
	1	i-3 Silver Mirror Glasses	9190-885	1 FT	FT	Yes	No	Yes	No	No	Polycarbonate	No	130-2313
	2	i-3 Prescription Power Clear 1.0dpt	6108-210	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2314
	2	i-3 Prescription Power Clear 2.0dpt	6108-211	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2315
	3	Superfit Safety Eyewear Grey	9178-386	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2316
	3	Superfit Safety Eyewear, Clear	9178-185	1 FT KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2317
	4	Pheos Safety Spectacle, Clear	9192-225	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2318
	4	Pheos Safety Spectacle Grey	9192-285	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2319
	4	Pheos Safety Spectacle, Amber	9192-385	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2320
	4	Pheos Safety Spectacle SilverMirror	9192-881	1 FT	F	Yes	No	Yes	No	No	Polycarbonate	No	130-2321
	4	Pheos S, Clear	9192-720	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2322
	4	Pheos S, Grey Sunglare	9192-786	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2323
	4	Pheos S, Amber	9192-788	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2324
	4	Pheos S, Silver Mirror	9192-891	1 FT	F	Yes	No	Yes	No	No	Polycarbonate	No	130-2325
	5	Pheos Guard, Clear	9192-180	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	Yes	130-2326
	5	Pheos Guard, Grey	9192-181	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	Yes	130-2327
	5	Pheos S Guard Narrow Clear	9192-680	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	Yes	130-2328
	5	Pheos S Guard Narrow Grey	9192-681	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	Yes	130-2329
	6	Sportstyle Supravisión Extreme Clear	9193-376	1 F KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2330
	6	Sportstyle Supravisión Extreme Grey	9193-277	1 F KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2331



SAFETY SPECTACLES

Brand	Image	Description	Manufacturer Part No.	Lens Marking EN166	Frame Marking EN166	UV Protection EN170	Scratch Resistant	Anti-Mist Coating	Welding Safe EN175	Laser Safe EN207/EN208	Lens Material	Vented	RS Stock No.
uvex	1	I-Works Supravisio HC-FC CLR AN/BL	9194-171	1 F KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2332
	1	I-Works Supravisio HC-FC CLR AN/LI	9194-175	1 F KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2333
	1	I-Works Supravisio HC-FC, Grey	9194-270	1 F KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2334
	1	I-Works Supravisio HC-FC, Amber	9194-365	1 F KN	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2335
	1	I-Works Supravisio HC-FC Silver	9194-885	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2336
	2	Winner Glasses Clear	9159-105	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2337
	2	Winner Glasses Grey	9159-118	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2338

OVER SPECTACLES

Brand	Image	Description	Manufacturer Part No.	Lens Marking EN166	Frame Marking EN166	UV Protection EN170	Scratch Resistant	Anti-Mist Coating	Welding Safe EN175	Laser Safe EN207	Lens Material	Vented	RS Stock No.
3M	3	OX3000 Over Spectacle Clear	175118-3040	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	494-9678
bolle SAFETY	4	Overlight Glasses Clear	Ovltpsi	1 FT	FT	Yes	Yes	Yes	No	No	Polycarbonate	Yes	769-4019
uvex	5	Overspecs Super OTG, Clear	9169-260	1 F KN	F	Yes	Yes	Yes	No	No	Polycarbonate	No	130-2339