








Product Catalogue



	Traffic Mirror	1 - 9
	Industrial Mirror	10 - 20
	Shop Mirror	21 - 27
	Inspection Mirror	28
	Rambowl®	29 - 31
	Knuffi® Warning and Protection Profiles	32 - 36
	Impact Protection	37 - 44



TM Traffic Mirror

The TM mirror is recommended for increased traffic safety in streets, minor roads and smaller lanes with sharp bends where blind spots are a common hazard. Also to industrial estates where road users and pedestrians are in accident risk. The version made of nearly indestructible polycarbonate is particularly suitable for vandalism-endangered areas.

Material

TM is produced in two different impact resistant materials: acrylic and polycarbonate, with 3M reflective foil. It is TÜV-certified. Suitable for outdoor use.

TM is surrounded by rubber with a solid frame with extra strengthening in the back side plus fitting fastenings. On the front side of the frame are reflective markings which illuminate the mirror in the dark.

Fixing

TM is supplied with mounting fittings for tubing diameters 50 - 85 mm or ball joint fittings for wall attachment. It is possible to position the mirror at different angles and still maintain a solid positioning even in strong winds (load-tested up to force 12 wind - hurricane > 117 km/h).

5 year functional warranty



TM Traffic Mirror



Art. No.	Description	Material	Weight	Viewing Distance
TM AC 60	traffic mirror, acrylic, Ø 60 cm	PMMA	6,6 kg	9 - 15 m
TM AC 80	traffic mirror, acrylic, Ø 80 cm	PMMA	9,8 kg	15 - 22 m
TM AC 40 X 60	traffic mirror, acrylic, 40 x 60 cm	PMMA	6,4 kg	9 - 15 m
TM AC 60 X 80	traffic mirror, acrylic, 60 x 80 cm	PMMA	11,2 kg	15 - 22 m
TM AC 80 X 100 ^{*)}	traffic mirror, acrylic, 80 x 100 cm	PMMA	16 kg	22 - 27 m
TM AC 100 X 120 ^{*)}	traffic mirror, acrylic, 100 x 120 cm	PMMA	20 kg	27 - 32 m
TM PC 60	traffic mirror, polycarbonate, Ø 60 cm	PC/PMMA	6,6 kg	9 - 15 m
TM PC 80	traffic mirror, polycarbonate, Ø 80 cm	PC/PMMA	9,8 kg	15 - 22 m
TM PC 40 X 60	traffic mirror, polycarbonate, 40 x 60 cm	PC/PMMA	6,4 kg	9 - 15 m
TM PC 60 X 80	traffic mirror, polycarbonate, 60 x 80 cm	PC/PMMA	11,2 kg	15 - 22 m
TM PC 80 X 100 ^{*)}	traffic mirror, polycarbonate, 80 x 100 cm	PC/PMMA	16 kg	22 - 27 m

^{*)} Delivery by forwarding agency

TM-H - Heating Mirror

The all weather traffic mirror TM-H is used in some areas where low temperatures can cause misting on the mirror. The special thing about this mirror is the heating unit to protect it against fogging and freezing up. Depending on the outside temperature the thermostat will automatically compensate to stop misting.

Material

TM is produced in two different impact resistant materials: acrylic and polycarbonate, with 3M reflective foil. It is TÜV-certified. For outdoor use. The heating element is attached to the insulated backside of the mirror.

The version made of nearly indestructible polycarbonate is particularly suitable for vandalism-endangered areas.

Fixing

TM-H is delivered complete with attachment fitting for tube diameters 50 - 85 mm and can also be wall mounted. It is TÜV-certified and wind load-tested up to force 12 winds (hurricane > 117 km/h).



5 year functional warranty

Art. No.	Description	Material	Weight	Viewing Distance
TM-H AC 40 X 60	traffic mirror, acrylic with heating unit, 40 x 60 cm	PMMA	6,4 kg	9 - 15 m
TM-H AC 60 X 80	traffic mirror, acrylic with heating unit, 60 x 80 cm	PMMA	11,2 kg	15 - 22 m
TM-H AC 80 X 100 *	traffic mirror, acrylic, with heating unit, 80 x 100 cm	PMMA	16,0 kg	22 - 27 m
TM-H AC 100 X 120 *	traffic mirror, acrylic with heating unit, 100 x 120 cm	PMMA	20,0 kg	27 - 32 m
TM-H PC 40 X 60	traffic mirror, polycarbonate with heating unit, 40 x 60 cm	PC/PMMA	6,4 kg	9 - 15 m
TM-H PC 60 X 80	traffic mirror, polycarbonate with heating unit, 60 x 80 cm	PC/PMMA	11,2 kg	15 - 22 m
TM-H PC 80 X 100 *	traffic mirror, polycarbonate with heating unit, 80 x 100 cm	PC/PMMA	16,0 kg	22 - 27 m

* Delivery by forwarding agency



Traffic Mirror TM-I

The TM-I mirror increases the traffic safety. It is recommended for public and private sectors. Primarily used for lesser busy places such as industrial estates with internal roads, car parks, private drive ways, shopping centers, multi store car parks, housing estates, railway platforms, wherever traffic safety is required.

Material

TM- I is made of two different types of materials: impact resistant acrylic (TM-I AC) and user safety polycarbonate (TM-I PC). Both are specially designed for outside use.

The solid backside of the TM-I is mounted in a rubber frame built in strengthening and mounting fittings.

The mirror is finished in red reflective edging for better visibility at night.

Fixing

TM-I is delivered complete with fittings for tubing 50 - 85 mm or can be placed directly on the wall. The four bar adjustable fitting makes a very strong connection against adverse wind conditions.

5 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
TM-I AC 50	traffic mirror, Ø 50 cm	PMMA	5,2 kg	5 - 7 m
TM-I AC 60	traffic mirror, Ø 60 cm	PMMA	7,0 kg	9 - 15 m
TM-I AC 80	traffic mirror, Ø 80 cm	PMMA	10,0 kg	15 - 22 m
TM-I AC 40 X 60	traffic mirror, 40 x 60 cm	PMMA	5,4 kg	9 - 15 m
TM-I AC 60 X 80	traffic mirror, 60 x 80 cm	PMMA	9,0 kg	15 - 22 m



UNI-SIG

The Uni-Sig mirror is an economical alternative to increase the safety on the road. It can be recommended for public and private ways where is not so much available space, such as small roads, industrial estates, parking, private exit roads, shopping centers, housing estates, railway stations and airports. Anywhere you need an extra safety for the transport and public.

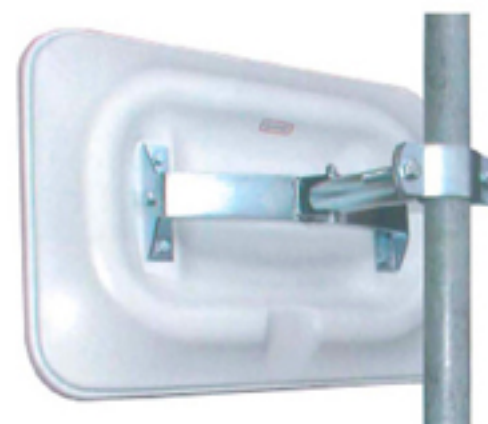
Material

The mirror is produced in light weight materials whilst maintaining its robustness and functionality. Uni-Sig is made of impact resistant acrylic (70% harder than glass) which makes this mirror extremely durable. The front of the mirror has reflective foil 3M around the sides making it highly visible at night.

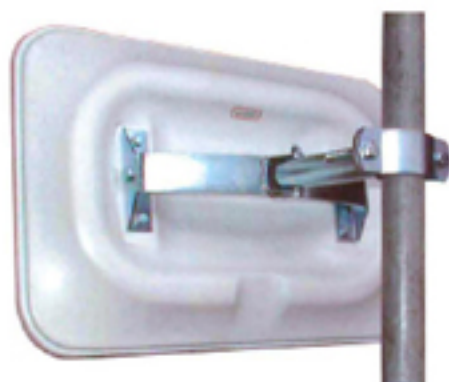
Fixing

Uni-Sig is delivered complete with attachment fitting for post mounting (diameters 50 - 85 mm) or wall mounting. The fittings are made of strong electroplated galvanized steel that can be adjusted in two places. It is TÜV-certified and wind load-tested up to force 12 wind (hurricane > 117 km/h).

2 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
UNI-SIG 50	traffic mirror, acrylic, Ø 50 cm	PMMA	3,5 kg	5 - 7 m
UNI-SIG 60	traffic mirror, acrylic, Ø 60 cm	PMMA	4,5 kg	9 - 15 m
UNI-SIG 40 X 60	traffic mirror, acrylic, 40 x 60 cm	PMMA	4,0 kg	9 - 15 m
UNI-SIG 60 X 80	traffic mirror, acrylic, 60 x 80 cm	PMMA	5,7 kg	15 - 22 m
UNI-SIG 80 X 100 *	traffic mirror, acrylic, 80 x 100 cm	PMMA	9,0 kg	22 - 27 m



UNI-SIG TYPE 1

The traffic mirror Uni-Sig Type 1 offers a competitive and stable possibility to enlarge the safety in traffic, industry, underground parking, commercial centres and private guide ways. The applied reflective foil type Ra1 makes the mirror highly visible at night.

Material

Uni-Sig Type 1 is made of acrylic (70% more impact resistant than glass) and equipped with the film RA1. Because of the tough material, the mirror offers a perfect outer use of long duration.

Fixation

Uni-Sig Type 1 is delivered complete with attachment fitting for post mounting (diameters 50 - 85 mm) or wall mounting. The mirror can be fixed in two different positions. The mirror is tested up to wind force 12 (hurricane > 117 km).



2 year functional warranty

Art. No.	Description	Material	Weight	Viewing Distance
US Typ1 4060	Uni-Sig Type 1 40 x 60 cm	PMMA	4,0 kg	5 - 7 m
US Typ1 6080	Uni-Sig Type 1 60 x 80 cm	PMMA	5,7 kg	9 - 15 m
US Typ1 80100	Uni-Sig Type 1 80 x 100 cm	PMMA	9,0 kg	9 - 15 m



Subway Mirror

The Subway mirror is ideal for car parks and underground passages. The need for pedestrian safety is especially important in underground tunnels and other busy passage ways. Pedestrians can often feel unsafe in desert areas where the vision is restricted.

Subway gives confidence to the motorist and eliminates the risk of accidents. The Subway is a special wide angle mirror that provides a 180° vision making corner areas highly visible.

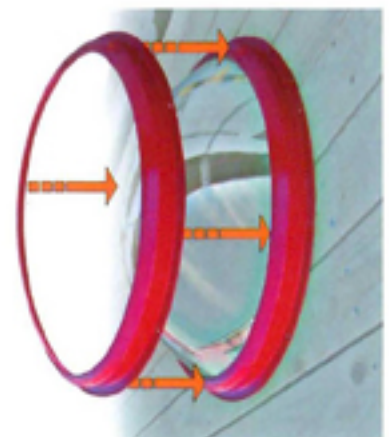
Material

Subway is made of nearly indestructible polycarbonate and is therefore particularly suitable for vandalism endangered areas and for outdoor use. The surface is hard coated with a special film that makes the mirror scratch proof.

Fixing

The included four-point-bracket with a ball-and-socket joint enables to be positioned at different angles. Subway is delivered complete with attachment fitting for post mounting (diameters 50 - 85 mm) or wall mounting. It is also possible to attach it flush against the wall. It is TÜV-certified and wind load-tested up to force 12 wind (hurricane > 117 km/h).

5 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
SUBWAY	traffic mirror Ø 60 cm polycarbonate	PC/PMMA	9,0 kg	9 - 15 m



Trixi

The wide angle traffic mirror Trixi has been especially developed to increase the safety of pedestrians and cyclists. It helps to inspect the "blind spot" on road crossings and other areas where pedestrians are in danger of traffic accidents. Drivers can see cyclists and pedestrians where otherwise they would have been obscured. Trixi can be used in private driveways, industrial areas, car parks, etc.

Material

Trixi is made of impact resistant acrylic. The 50 cm TRIXI mirror can also be delivered with an implemented heating element to protect against fogging and freezing.

Fixing

The mirror can be mounted on traffic lights and pedestrian crossings. Trixi mirror is delivered complete with attachment fitting for post mounting (diameters 50 - 85 mm) or wall mounting. The mirror is delivered as standard with fittings for tubing. Others wall fittings can be supplied at an extra cost.

2 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
TRIXI 35	traffic mirror Ø 35 cm	PMMA	3,0 kg	1 - 4 m
TRIXI 50	traffic mirror Ø 50 cm	PMMA	4,0 kg	5 - 7 m
TRIXI 50-H	traffic mirror with heating unit	PMMA	4,0 kg	5 - 7 m



Explorer 180°

The Explorer mirror has an unique convexity of 180° which gives a wide range of vision in comparison to his size. Explorer is the perfect choice for a wide range of use in works place.

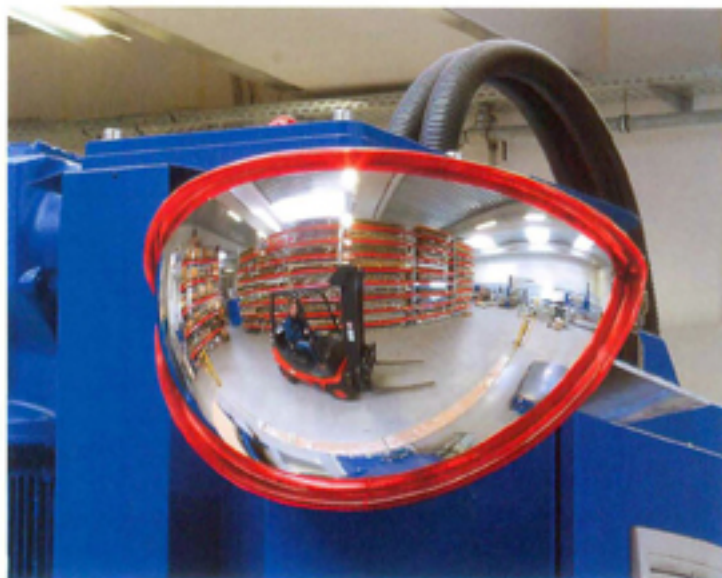
Material

The mirror is finished in acrylic which is 70 % more impact resistant than glass. It is an ideal choice for transportation and works areas. The red high-quality sealing guarantees a long durability for outdoor use and simultaneously attract high attention. It has a particularly brilliant view, is TÜV-certified and wind load-tested up to force 12 winds (hurricane > 117 km/h).

Fixing

A very strong bracket is included in the scope of delivery. Due to its lightweight and universal bracket the Explorer can be adjusted infinitely and easily on a wall or a post mounting (diameter 50-85 mm).

2 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
EXPLORER 60	wide angle mirror 60 cm, with universal bracket	PMMA	5,4 kg	9 - 5 m
EXPLORER 80 *)	wide angle mirror 80 cm, with universal bracket	PMMA	8,2 kg	15 - 20 m

Check Point

The Check Point industrial mirror increases the attention at danger spots in production and in warehouses. It has a yellow black warning marking. Distant workstations and blind spots can be inspected easier. This workplace accidents and production downtimes can be minimized.

Material

Check Point is made of light acrylic and has a very low weight. It has a particularly brilliant view and is TÜV-certified.

Fixing

Check Point is delivered with fittings for mounting on walls. The fitting allows the mirror to be positioned horizontally or vertically with variable adjustability. It is easy to be mounted anywhere.

Extra accessories for the „Check Point“ 40 x 60 cm and 60 x 90 cm:

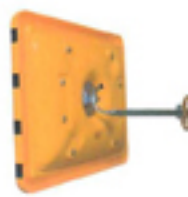
Fitting Type I: can be mounted on tubes with diameters from 50 - 85 mm or on walls. With the adjustable ball bracket any position of the mirror can be obtained.

Fitting Type IV: can be mounted on poles with diameters from 50 - 85 mm.

2 year functional warranty



Typ I.



Standard



Typ IV.

Art. No.	Description	Material	Weight	Viewing Distance
CP 30 X 50	Industrial mirror, yellow/black, 30 x 50 cm	PMMA	2,6 kg	5 - 7 m
CP 40 X 60	Industrial mirror, yellow/black, 40 x 60 cm	PMMA	3,8 kg	9 - 7 m
CP 60 X 90	Industrial mirror, yellow/black, 60 x 90 cm	PMMA	7,6 kg	18 - 25 m
Typ I 747.01-7	Bracket CP/TM/TMI with ball-and-socket joint for wall and post fastening (Ø 50 - 80 mm)	galv. Steel		
Type IV 747.04-0	Bracket for post fastening (Ø 50 - 80 mm)	galv. Steel		



Check Mirror

Check Mirror is an innovative product on the market to supervise production lines.

The curve of the mirror enlarges the view of the product that has to be controlled on the production line.

Material

Check Mirror is made of acrylic (70% more impact resistant than glass). The rear panel is connected via a black frame to the mirror plate and thus provides stability.

Fixation

The mirror is delivered with an adjustable telescopic wall bracket 30 - 50 cm.

2 year functional warranty

Art. No.	Description	Material	Weight	Viewing Distance
CM 30 x 50	Production lines mirror, 30 x 50 cm	PMMA	2,0 kg	5 - 7 m
CM 40 x 60	Production lines mirror, 40 x 60 cm	PMMA	4,0 kg	9 - 7 m
CM 60 x 90	Production lines mirror, 60 x 90 cm	PMMA	5,6 kg	18 - 25 m



TRANSPO 180°

The wide angle mirror TRANSPO wide is used to optimize traffic safety for industrial driveways where the driver has limited visibility. The mirror maximizes the drivers visual capacity and helps to prevent accidents in workplaces.

Material

The reinforced frame makes the mirror resistant to impacts. The mirror is particularly suitable for inner room application. The mirrors have low weight and special fittings.

Fixing

It is easily mounted on walls and ceilings. TRANSPO is TÜV-certified.



2 year functional warranty

Art. No.	Description	Material	Weight	Viewing Distance
TRANSPO AC 25	forklift mirror 25 cm	PMMA	1,0 kg	1 - 2 m
TRANSPO AC 45	forklift mirror 45 cm	PMMA	1,8 kg	1 - 2 m
TRANSPO AC 60	forklift mirror 60 cm with wall bracket	PMMA	3,6 kg	9 - 15 m
TRANSPO AC 80 *	forklift mirror 80 cm with wall bracket	PMMA	5,0 kg	15 - 20 m



Traffic Mirror TM-I

The TM-I mirror increases the traffic safety. It is recommended for public and private sectors. Primarily used for less busier places such as industrial estates with internal roads, car parks, private driveways, shopping centers, multi store car parks, housing estates, railway platforms, wherever traffic safety is required.

Material

TM-I is made of two different types of material: impact resistant acrylic (TM-I AC) and user safety polycarbonate (TM-I PC). Both are specially designed for outside use.

The solid backside of the TM-I is mounted in a rubber frame built in strengthening and mounting fittings.

The mirror is finished in red reflective edging for better visibility at night.



Fixing

TM-I is delivered complete with fittings for tubing 50 - 85 mm or can be placed directly on the wall. The four bar adjustable fitting makes a very strong connection against adverse wind condition.

5 year functional warranty

Art. No.	Description	Material	Weight	Viewing Distance
TM-I AC 50	traffic mirror, Ø 50 cm	PMMA	5,2 kg	5 - 7 m
TM-I AC 60	traffic mirror, Ø 60 cm	PMMA	7,0 kg	9 - 15 m
TM-I AC 80	traffic mirror, Ø 80 cm	PMMA	10,0 kg	15 - 22 m
TM-I AC 40 X 60	traffic mirror, 40 x 60 cm	PMMA	5,4 kg	9 - 15 m
TM-I AC 60 X 80	traffic mirror, 60 x 80 cm	PMMA	9,0 kg	15 - 22 m



Traffic Mirror TM-I

The TM-I mirror increases the traffic safety. It is recommended for public and private sectors. Primarily used for less busier places such as industrial estates with internal roads, car parks, private driveways, shopping centers, multi store car parks, housing estates, railway platforms, wherever traffic safety is required.

Material

TM-I is made of two different types of material: impact resistant acrylic (TM-I AC) and user safety polycarbonate (TM-I PC). Both are specially designed for outside use.

The solid backside of the TM-I is mounted in a rubber frame built in strengthening and mounting fittings.

The mirror is finished in red reflective edging for better visibility at night.



Fixing

TM-I is delivered complete with fittings for tubing 50 - 85 mm or can be placed directly on the wall. The four bar adjustable fitting makes a very strong connection against adverse wind condition.

5 year functional warranty

Art. No.	Description	Material	Weight	Viewing Distance
TM-I AC 50	traffic mirror, Ø 50 cm	PMMA	5,2 kg	5 - 7 m
TM-I AC 60	traffic mirror, Ø 60 cm	PMMA	7,0 kg	9 - 15 m
TM-I AC 80	traffic mirror, Ø 80 cm	PMMA	10,0 kg	15 - 22 m
TM-I AC 40 X 60	traffic mirror, 40 x 60 cm	PMMA	5,4 kg	9 - 15 m
TM-I AC 60 X 80	traffic mirror, 60 x 80 cm	PMMA	9,0 kg	15 - 22 m

UNI-SIG

The Uni-Sig is an economical alternative mirror to increase the safety on the road. It can be recommended for public and private ways where only little space is available, such as small roads, industrial estates, parking, private exit roads, shopping centers, housing estates, railway stations and airports. Anywhere you need an extra safety for transport and the public.

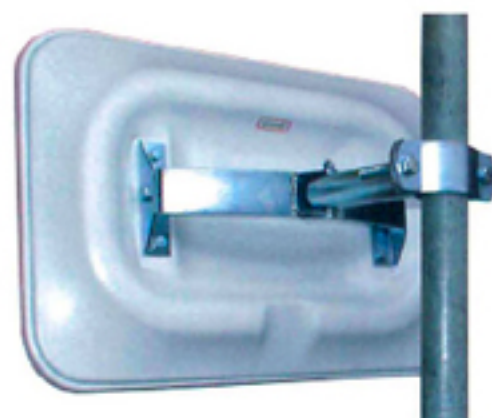
Material

The mirror is produced in light weight materials whilst maintaining its robustness and functionality. Uni-Sig is made of impact resistant acrylic (70 % more impact resistant than glass) which makes this mirror extremely durable. Around the border in front of the mirror is a reflective foil 3M that makes it highly visible at night.

Fixing

Uni-Sig is delivered completely with attachment fitting for tubes with diameters of 50 - 85 mm and can also be wall mounted. The fittings are made of strong electroplated galvanized steel that can be adjusted in two directions. It is TÜV-certified and wind load-tested up to force 12 wind (hurricane > 117 km/h).

2 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
UNI-SIG 50	traffic mirror, acrylic, Ø 50 cm	PMMA	3,5 kg	5 - 7 m
UNI-SIG 60	traffic mirror, acrylic, Ø 60 cm	PMMA	4,5 kg	9 - 15 m
UNI-SIG 40 X 60	traffic mirror, acrylic, 40 x 60 cm	PMMA	4,0 kg	9 - 15 m
UNI-SIG 60 X 80	traffic mirror, acrylic, 60 x 80 cm	PMMA	5,7 kg	15 - 22 m
UNI-SIG 80 X 100 *)	traffic mirror, acrylic, 80 x 100 cm	PMMA	9,0 kg	22 - 27 m

BM 360°

The BM 360° globe mirror is recommended for surveillance in industrial areas. It is used in transportation traffic, warehouse and manufacturing work areas. Wherever an overview is required. The danger of accidents is reduced considerably.

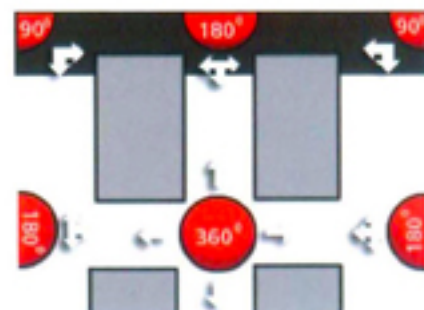
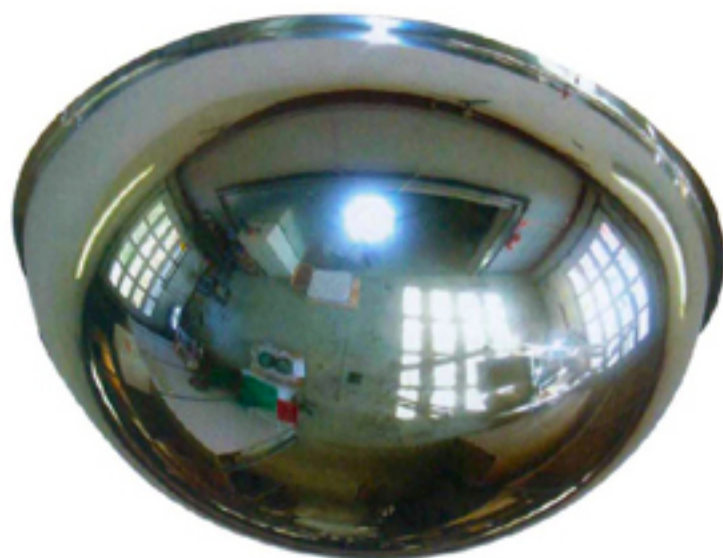
Material

BM 360° is made of impact resistant acrylic or polycarbonate which makes it also very suitable for the food processing industry. It is easy to clean.

Fixing

BM 360° can be easily mounted on a ceiling directly with just three screws or by means of hanging chains which can be purchased as an extra accessory.

2 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
BM 50-3	360° - 50 cm, Acrylic	PMMA	1,0 kg	3 - 15 m
BM 60-3	360° - 60 cm, Acrylic	PMMA	1,4 kg	16 - 20 m
BM 80-3 ^{*)}	360° - 80 cm, Acrylic	PMMA	2,5 kg	21 - 30 m
BM 90-3 ^{*)}	360° - 90 cm, Acrylic	PMMA	2,7 kg	30 - 40 m
BM 100-3 ^{*)}	360° - 100 cm, Acrylic	PMMA	3,6 kg	40 - 50 m
BM 125-3 ^{*)}	360° - 125 cm, Acrylic	PMMA	7,0 kg	50 - 60 m
BM PC 60	360° - 60 cm Polycarbonate	PC	1,7 kg	16 - 20 m
chain set to suspend BM from ceilings Galv. Steel,				

BM 180°

The BM 180° is used wherever an overview is required. It can be used in T-junctions and similar hazardous areas. The mirror makes the traffic movements in the work place visible and, as a direct effect, the chances of industrial injuries are considerably minimized.

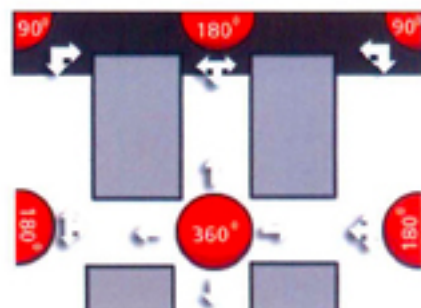
Material

BM 180° is made of impact resistant acrylic or polycarbonate which makes it also very suitable for the food processing industry. It is easy to clean.

Fixing

BM180° is mounted on walls or ceiling in production areas, lorry drive ways, warehouses and manufacturing work areas. It is attached by means of three holes. Due to the mirrors light weight, it is possible to mount the mirror on all types of materials.

2 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
BM 50-2	180° - 50 cm, Acrylic	PMMA	0,7 kg	1 - 5 m
BM 60-2	180° - 60 cm, Acrylic	PMMA	0,8 kg	6 - 10 m
BM 80-2	180° - 80 cm, Acrylic	PMMA	1,5 kg	10 - 15 m
BM 100-2	180° - 100 cm , Acrylic	PMMA	1,8 kg	15 - 20 m

BM 90°

The BM 90° mirror is very useful in the industrial surveillance such as warehouse transportation lanes and manufacturing work areas. It can be used in all areas where a visual view is required. As a direct effect of the mirror the danger of accidents is minimized considerably. The mirror is Tüv-certified.

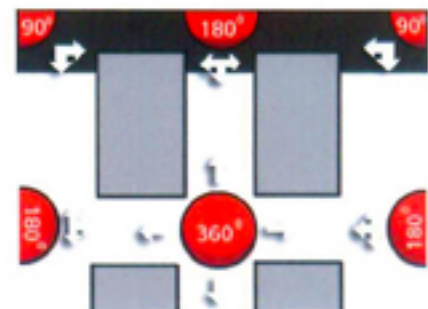
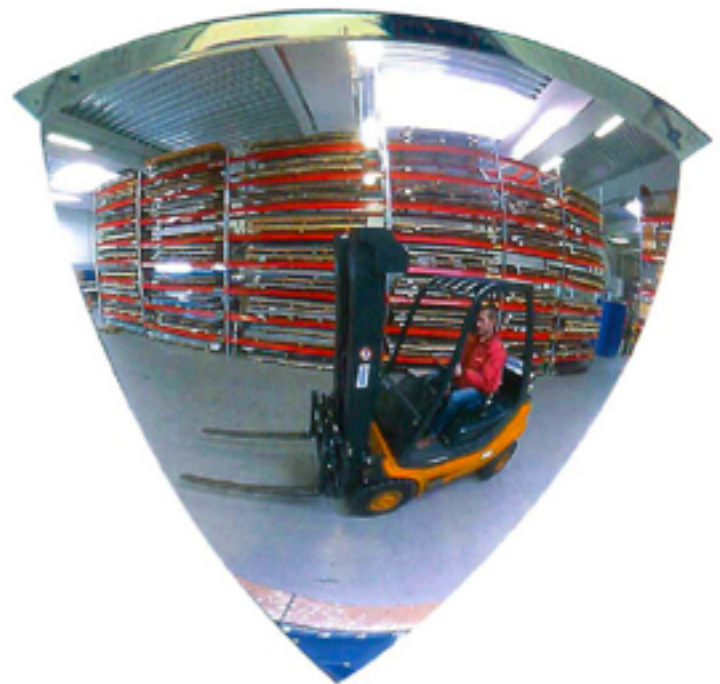
Material

BM 90° is made of impact resistant acrylic or polycarbonate which makes it also very suitable for the food processing industry. It can be cleaned easily.

Fixing

BM 90° can be easily mounted directly on a ceiling.

2 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
BM 60-1	90° - 60 cm Acrylic	PMMA	0,6 kg	3 - 8 m
BM 80-1	90° - 80 cm Acrylic	PMMA	0,8 kg	8 - 10 m
BM 100-1	90° - 100 cm Acrylic	PMMA	1,0 kg	25 - 30 m



SM Overview Mirror

The surveillance mirror SM is very versatile as it can be used in industrial areas as well as in retail and office. SM is a sub convex acrylic mirror. It makes work place traffic movements visible and reduces the danger of industrial accidents.

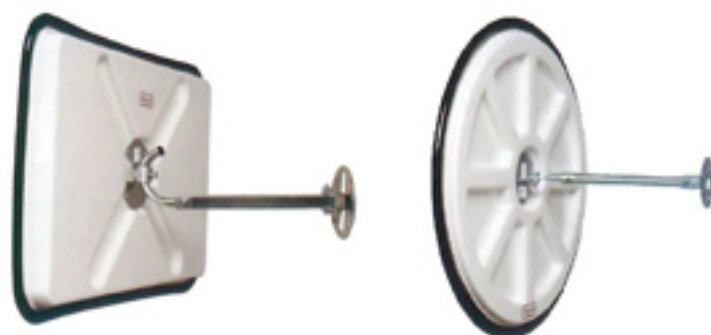
SM is especially useful for controlling blind areas on the production floor. The mirror gives a good view onto work areas just at a glance. SM can be recommended for the industrial food processing as well.

Material

The particular aspect about the SM is its plastic coated backside that protects the metallization. Because of that it is very robust and durable. It has a particularly brilliant view and is TÜV-certified.

Fixing

The mirror is delivered with an adjustable telescopic wall bracket 30 - 50 cm.



2 year functional warranty

Art. No.	Description	Material	Weight	Viewing Distance
SM 35	surveillance mirror indoors/outdoors Ø 35 cm	PMMA	2,0 kg	1 - 4 m
SM 50	surveillance mirror indoors/outdoors Ø 50 cm	PMMA	4,0 kg	5 - 7 m
SM 60	surveillance mirror indoors/outdoors Ø 60 cm	PMMA	4,2 kg	9 - 15 m
SM 80	surveillance mirror indoors/outdoors Ø 80 cm	PMMA	6,2 kg	15 - 22 m
SM 40 X 60	surveillance mirror indoors/outdoors 40 x 60 cm	PMMA	3,6 kg	9 - 15 m
SM 60 X 80	surveillance mirror indoors/outdoors 60 x 80 cm	PMMA	6,0 kg	15 - 22 m

EC-US mirror

The EC-US is the ideal mirror for monitoring **outdoor** areas. This mirror can be used well to observe long shelving units, corners end walls and others blind spots. Through its distortion-free and good image reproduction it can be a good an inexpensive solution to prevent thefts and accidents.

Material

The mirror is made of impact resistant acrylic (70% more impact resistant than glass). It is TÜV-certified.

Fixing

ECM is delivered with a telescopic bracket for easy installation and adjustment for a good visual field.

2 years functional warranty



Art. No.	Description	Material	Measures	Weight	Viewing Distance
EC-US 30	All use outdoor mirror, 30 cm	PMMA	Ø 30 cm	0,8 kg	1 - 4 m
EC-US 40	All use outdoor mirror, 40 cm	PC/PMMA	Ø 40 cm	1,3 kg	1 - 5 m
EC-US 50	All use outdoor mirror, 50 cm	PMMA	Ø 50 cm	1,8 kg	5 - 7 m
EC-US 60	All use outdoor mirror, 60 cm	PMMA	Ø 60 cm	2,5 kg	9 - 15 m
EC-US 70	All use outdoor mirror, 70 cm	PMMA	Ø 70 cm	3,6 kg	12 - 17 m
EC-US 80	All use outdoor mirror, 80 cm	PMMA	Ø 80 cm	4,0 kg	15 - 22 m

EC-RS Mirror

The EC-RS is the ideal **indoor** mirror for monitoring stores and work areas, garages, parking, etc. Through its distortion-free and good image reproduction it can be a good and inexpensive solution against thefts and accidents.

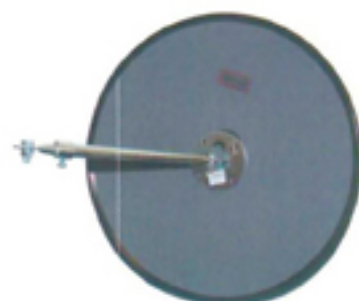
Material

The mirror is made of impact resistant acrylic (70% more impact resistant than glass). It is TÜV-certified.

Fixing

EC-RS is supplied with a telescopic bracket for easy installation and adjustment for a good field of view.

2 years functional warranty



Art. No.	Description	Material	Measures	Weight	Viewing Distance
EC-RS 30	All use indoor mirror, 30 cm	PMMA	Ø 30 cm	0,4 kg	1 - 4 m
EC-RS 40	All use indoor mirror, 40 cm	PMMA	Ø 40 cm	0,7 kg	1 - 5 m
EC-RS 50	All use indoor mirror, 50 cm	PMMA	Ø 50 cm	1,0 kg	5 - 7 m
EC-RS 60	All use indoor mirror, 60 cm	PMMA	Ø 60 cm	1,3 kg	9 - 15 m
EC-RS 70	All use indoor mirror, 70 cm	PMMA	Ø 70 cm	1,9 kg	12 - 77 m
EC-RS 80	All use indoor mirror, 80 cm	PMMA	Ø 80 cm	2,5 kg	15 - 22 m

BM 360°

The unsurpassed optical quality of the BM 360° mirror globe won great credit to prevent the theft by leading shop chains and retail outlets. The BM 360° mirror is a cheap and effective method of shop security. It is very easy to clean.

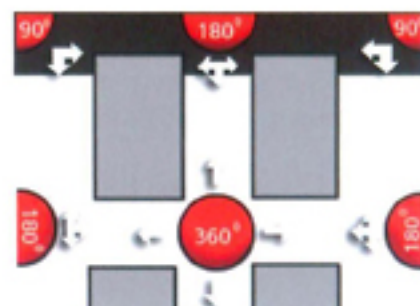
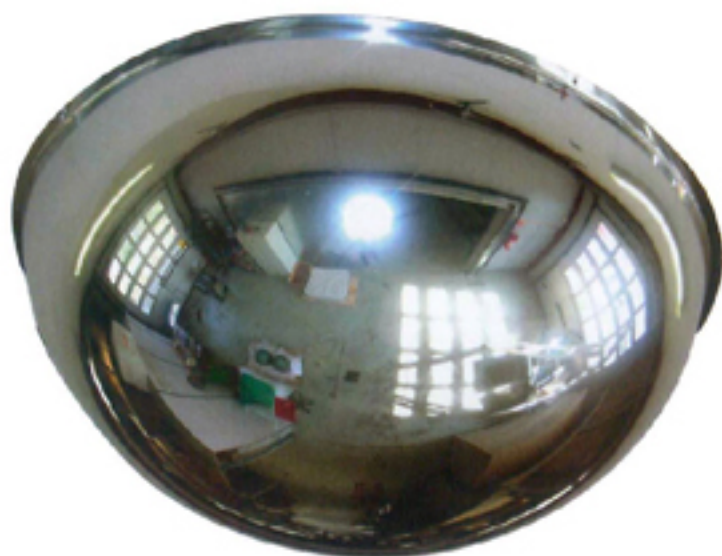
Material

BM 360° is made of impact resistant acrylic or polycarbonate which is available in different sizes for all types of shops.

Fixing

BM 360° can be easily mounted directly on the ceiling with just three screws or by means of hanging chains which can be purchased as an extra accessory.

2 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
BM 50-3	360° - 50 cm, Acrylic	PMMA	1,0 kg	3 - 15 m
BM 60-3	360° - 60 cm, Acrylic	PMMA	1,4 kg	16 - 20 m
BM 80-3 *)	360° - 80 cm, Acrylic	PMMA	2,5 kg	21 - 30 m
BM 90-3 *)	360° - 90 cm, Acrylic	PMMA	2,7 kg	30 - 40 m
BM 100-3 *)	360° - 100 cm, Acrylic	PMMA	3,6 kg	40 - 50 m
BM 125-3 *)	360° - 125 cm, Acrylic	PMMA	7,0 kg	50 - 60 m
BM PC 60	360° - 60 cm Polycarbonate	PC	1,7 kg	16 - 20 m
	chain set to suspend BM from ceilings Galv. Steel,			

BM 180 °

The BM 180° half globe mirror is a very practical solution for smaller areas. It gives a very good overview when placed on the wall over shelving. BM 180° gives a clarity that cannot be obtained by other mirrors.

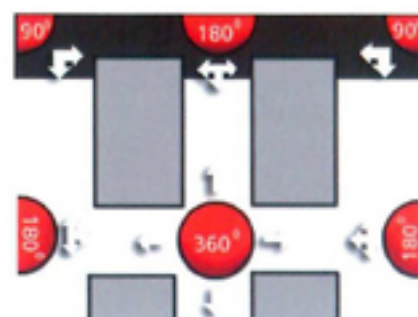
Material

BM 180° is made of impact resistant acrylic or polycarbonate which is available in different sizes for all types of shops.

Fixing

BM 180 ° is easily installed with just three screws directly on the wall or ceiling.

2 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
BM 50-2	180° - 50 cm, Acrylic	PMMA	0,7 kg	1 - 5 m
BM 60-2	180° - 60 cm, Acrylic	PMMA	0,8 kg	6 - 10 m
BM 80-2	180° - 80 cm, Acrylic	PMMA	1,5 kg	10 - 15 m
BM 100-2	180° - 100 cm , Acrylic	PMMA	1,8 kg	15 - 20 m

BM 90°

The BM 90° mirror is perfect for corner areas where it gives a "wide screen" view of the surroundings.

BM 90° is very useful for surveillance of small shops. It can be fixed at an angle where it is difficult to overlook.

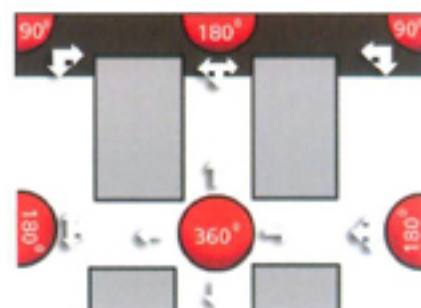
BM 90° can be placed in areas where is not enough place for the whole or half mirror globe.

Material

BM 90° is made of impact resistant acrylic or polycarbonate and is available in different sizes for all types of shops.

Fixing

BM 90° can be screwed directly on the wall or ceiling.



2 year functional warranty

Art. No.	Description	Material	Weight	Viewing Distance
BM 60-1	90° - 60 cm Acrylic	PMMA	0,6 kg	3 - 8 m
BM 80-1	90° - 80 cm Acrylic	PMMA	0,8 kg	8 - 10 m
BM 100-1	90° - 100 cm Acrylic	PMMA	1,0 kg	25 - 30 m

SM Safety mirror

The SM is a robust safety mirror and a perfect solution to be fixed in exposed areas. SM is a lightly convex mirror with a radius of 2500 mm to be used in shops or other places where surveillance is required.

SM is good for areas like long shelving units, in corners and by end wall sections. It is also useful for the surveillance of office entrances.

Material

SM is made of impact resistant acrylic. It is finished with a polymer plastic back with a strong absorbent hard wearing edging seal.

Fixing

The mirror is delivered with an adjustable telescopic wall bracket 30 - 50 cm.



2 year functional warranty

Art. No.	Description	Material	Weight	Viewing Distance
SM 35	surveillance mirror indoors/outdoors Ø 35 cm	PMMA	2,0 kg	1 - 4 m
SM 50	surveillance mirror indoors/outdoors Ø 50 cm	PMMA	4,0 kg	5 - 7 m
SM 60	surveillance mirror indoors/outdoors Ø 60 cm	PMMA	4,2 kg	9 - 15 m
SM 80	surveillance mirror indoors/outdoors Ø 80 cm	PMMA	6,2 kg	15 - 22 m
SM 40 X 60	surveillance mirror indoors/outdoors 40 x 60 cm	PMMA	3,6 kg	9 - 15 m
SM 60 X 80	surveillance mirror indoors/outdoors 60 x 80 cm	PMMA	6,0 kg	15 - 22 m



EC-US

The EC-US is the ideal mirror for monitoring **outdoor** areas. This mirror is a good spotting tool for areas like long shelving units, corners end walls and others blind spots. Due to its distortion-free and good image reproduction it can be a good an inexpensive solution to prevent thefts and accidents.

Material

The mirror is made of impact resistant acrylic (70% more impact resistant than glass). It is TÜV-certified.

Fixing

EC-US is supplied with a telescopic bracket for easy installation and adjustment for a good visual field.



2 years functional warranty

Art. No.	Description	Material	Measures	Weight	Viewing Distance
EC-US 30	All use outdoor mirror, 30 cm	PMMA	Ø 30 cm	0,8 kg	1 - 4 m
EC-US 40	All use outdoor mirror, 40 cm	PC/PMMA	Ø 40 cm	1,3 kg	1 - 5 m
EC-US 50	All use outdoor mirror, 50 cm	PMMA	Ø 50 cm	1,8 kg	5 - 7 m
EC-US 60	All use outdoor mirror, 60 cm	PMMA	Ø 60 cm	2,5 kg	9 - 15 m
EC-US 70	All use outdoor mirror, 70 cm	PMMA	Ø 70 cm	3,6 kg	12 - 17 m
EC-US 80	All use outdoor mirror, 80 cm	PMMA	Ø 80 cm	4,0 kg	15 - 22 m

EC-RS Mirror

The EC-RS is the ideal **indoor** mirror for monitoring stores and work areas, garages, parking, etc. Due to its distortion-free and good image reproduction it can be a good and inexpensive solution to prevent thefts and accidents.

Material

The mirror is made of impact resistant acrylic (70% more impact resistant than glass). It is TÜV-certified.

Fixing

EC-RS is supplied with a telescopic bracket for easy installation and adjustment for a good field of view.

2 years functional warranty

2 years functional warranty



Art. No.	Description	Material	Measures	Weight	Viewing Distance
Art. No.	Description	Material	Measures	Weight	Viewing Distance
EC-US 30	All use outdoor mirror, 30 cm	PMMA	Ø 30 cm	0,8 kg	1 - 4 m
EC-US 40	All use outdoor mirror, 40 cm	PC/PMMA	Ø 40 cm	1,3 kg	1 - 5 m
EC-US 50	All use outdoor mirror, 50 cm	PMMA	Ø 50 cm	1,8 kg	5 - 7 m
EC-US 60	All use outdoor mirror, 60 cm	PMMA	Ø 60 cm	2,5 kg	9 - 15 m
EC-US 70	All use outdoor mirror, 70 cm	PMMA	Ø 70 cm	3,6 kg	12 - 17 m
EC-US 80	All use outdoor mirror, 80 cm	PMMA	Ø 80 cm	4,0 kg	15 - 22 m

INPEX Check Out

The Inpex Check Out is a cost effective tool against shop lifting. Inpex Check Out has been designed with the cashier in mind. It is especially useful for self service shops and supermarkets. Inpex Check Out "enlarges" and concentrates the visible area in the mirror.

Material

Inpex Check Out is made of acrylic with an aluminium composite frame.

Fixing

Inpex Check Out is easily installed by using the enclosed chain.

2 year functional warranty



Art. No.	Description	Material	Weight	Viewing Distance
IP 30 x 100	Inpex Checkout 30 x 100 cm	PMMA	2,0 kg	1 - 3 m

Inspection Security Mirror

The inspection security mirror makes it possible to check areas of vehicles and machines that are difficult to access. The inspection is easier to handle because of the four steel wheels with ball-bearing. The Inspection mirror is a light weight product that is an important part of any security patrol.

Material

The inspection mirror is produced in plastic PMMA. This material is resistant to impact and weatherproof. The telescopic arm is made of anodized aluminium with a solid soft handle for excellent grip. The telescopic handle can be extended from 40 - 110 cm. The handle can be folded under the mirror for minimum storage.

Fixing

The mirror and mirror housing are held together with heavy duty rubber. It can absorb a great deal of impact. The wheels are smooth running steel rimmed with inner ball bearing runners. It is covered in polyurethane for a comfortable use.



5 year functional warranty
1 year electrical systems warranty

Art. No.	Description	Material	Weight
IS 20 x 40	inspection mirror 20 x 40 cm	PMMA	2,4 kg
IS 25	inspection mirror Ø 25 cm	PMMA	2,0 kg
IS 35	inspection mirror Ø 35 cm	PMMA	3,0 kg
IS-L 20 x 40	inspection mirror with lighting, 20 x 40 cm	PMMA	3,0 kg
IS-L 25	inspection mirror with lighting, Ø 25 cm	PMMA	2,0 kg
IS-L 35	inspection mirror with lighting, Ø 35 cm	PMMA	3,0 kg

Solid protection product made of synthetic material

For **outdoor and indoor** use

High **impact resistant**

Black/yellow **warning marks**

Additional **adhesive reflector** for outdoor use

Suitable for use in the **food industry**

Available as:
bollard in three diameters
 (90 - 273 mm, height 1000 mm),
bar in three lengths
 (400, 800 and 1200 mm) and
beams in seven different sizes.

Non-corroding

Because of their solid material is **unnecessary to repair** after collisions

With **solid base plate** to bolt in place





Crash Protection Bollard

made of polyurethane

Art. No.	Description	Material	Measures	Weight
P 50-50	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethane	Ø 90 mm H 1000 mm Base Plate 200x200x10mm	12 kg
P 50-60	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethane	Ø 159 mm H 1000 mm Base Plate 250x250x15mm	28 kg
P 50-70	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive	Polyurethane	Ø 273 mm H 1000 mm Base Plate 350x350x15mm	55 kg

Crash Protection Beams

made of polyurethane,
diameter 80 mm
with base plate 150x150x15 mm



Art. No.	Description	Material	Measures	Weight
P 60-10	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethane	Ø 80 mm L 400 mm	3,5 kg
P 60-20	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethane	Ø 80 mm L 800 mm	6 kg
P 60-30	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethane	Ø 80 mm L 1200 mm	8 kg

Crash Protection Bars

made of polyurethane,
diameter 80 mm,
with base plate 150 x 150 x 15mm



Art. No.	Description	Material	Measures	Weight
P 30-10	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethan	H 350 mm B 375 mm	7,5 kg
P 30-20	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethan	H 350 mm B 750 mm	10,0 kg
P 30-30	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethan	H 350 mm B 1000 mm	11,5 kg
P 30-40	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethan	H 600 mm B 750 mm	13,5 kg
P 30-50*	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethan	H 600 mm B 1000 mm	16,0 kg
P 30-60*	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.	Polyurethan	H 1200 mm B 750 mm	20,0 kg
P30-70*	Outdoor and indoor use. Solid material is unnecessary to repair after collisions. With adhesive warning reflector.		H 1200 mm B 1000 mm	24,0 kg

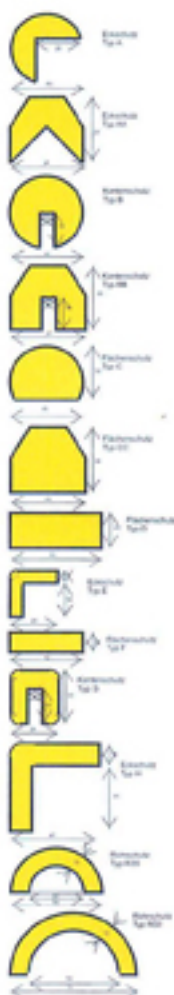
Knuffi® Warning and Protection Profiles

The **Knuffi®** warning and protection profile can absorb the shock of people, machines and equipments in dangerous borders and edges. **Knuffi®** can be installed in warehouse transport lanes, machines, vehicles or on the walls.

Material

Knuffi® Warning and Protection Profiles are made of polyurethane foam.

The patented manufacturing technique of these profiles makes them very flexible. The warning markings are protected against color abrasion. The profiles are temperature resistant in the range of -40°C to $+100^{\circ}\text{C}$. It can be used indoors as well as outdoors. They are fire tested in accordance with DIN 4102 B2.



Knuffi® Warning and Protection Profiles are available as pieces of 1 m, rolls of 5 m in poly bags or cut to order in lengths up to 50 linear meters (1m).

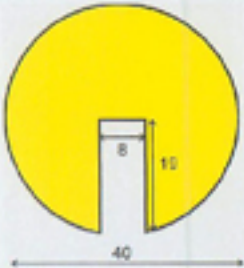
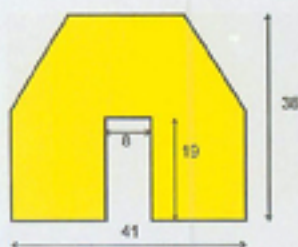
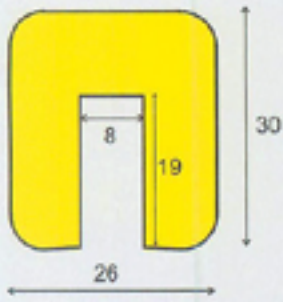
The profiles (except type B and BB) are equipped with light and age-resistant modified acrylate adhesive (adhesive force: 21N/25mm).

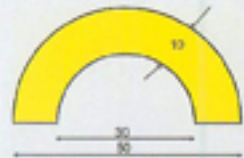
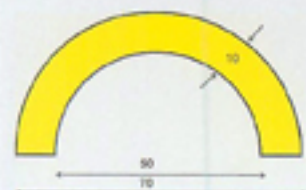
Colors

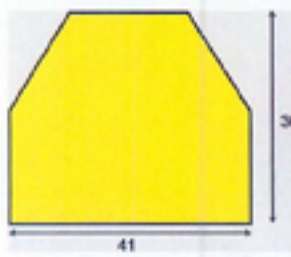
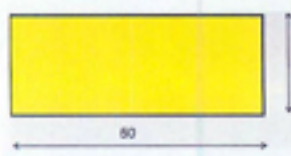
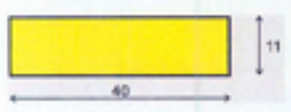
Standard: yellow/black.

Special colors: red/white, black, white (all types), fluorescent yellow/black (only type A, B, C), luminescent yellow/black (only type A, B, C).

Corner Protective	Art. No.	Description	Material	Measures	Weight
	10010	corner protective type A, yellow/black	Polyurethane	1 m	0,45 kg/m
	10020	corner protective type A, yellow/black	Polyurethane	5 m	0,45 kg/m
	10040	corner protective type A, yellow/black	Polyurethane	Lnm	0,45 kg/m
	11013	corner protective type A+, yellow/black	Polyurethane	1 m	0,7 kg/m
	11023	corner protective type A+, yellow/black	Polyurethane	3 m	0,7 kg/m
	11043	corner protective type A+, yellow/black	Polyurethane	Lnm (max. 25 Lnm)	0,7 kg/m
	11010	corner protective type AA, yellow/black	Polyurethane	1 m	0,6 kg/m
	11020	corner protective type AA, yellow/black	Polyurethane	5 m	0,6 kg/m
	11040	corner protective type AA, yellow/black	Polyurethane	Lnm	0,6 kg/m
	10015	corner protective type E, yellow/black	Polyurethane	1 m	0,25 kg/m
	10024	corner protective type E, yellow/black	Polyurethane	5 m	0,25 kg/m
	10044	corner protective type E, yellow/black	Polyurethane	Lnm (max. 25 Lnm)	0,25 kg/m
	11110	corner protective type H, yellow/black	Polyurethane	1 m	0,5 kg/m
	11120	corner protective type H, yellow/black	Polyurethane	5 m	0,5 kg/m
	11140	corner protective type H, yellow/black	Polyurethane	Lnm (max. 25 Lnm)	0,5 kg/m
	11014	corner protective type H+, yellow/black	Polyurethane	1 m	0,85 kg/m

Edge Protective	Art. No.	Description	Material	Measures	Weight
	10011	edge protective type B, yellow/black	Polyurethane	1 m	0,6 kg/m
	10021	edge protective type B, yellow/black	Polyurethane	5 m	0,6 kg/m
	10041	edge protective type B, yellow/black	Polyurethane	Ln m	0,6 kg/m
	11011	edge protective type BB, yellow/black	Polyurethane	1 m	0,65 kg/m
	11021	edge protective type BB, yellow/black	Polyurethane	5 m	0,65 kg/m
	11041	edge protective type BB, yellow/black	Polyurethane	Ln m	0,65 kg/m
	10019	edge protective type G, yellow/black	Polyurethane	1 m	0,45 kg/m
	10026	edge protective type G, yellow/black	Polyurethane	5 m	0,45 kg/m
	10046	edge protective type G, yellow/black	Polyurethane	Ln m	0,45 kg/m

Pipe Protective	Art. No.	Description	Material	Measures	Weight
	10017	pipe protective type R30, yellow/black	Polyurethane	1 m	0,45 kg/m
	10027	pipe protective type R30, yellow/black	Polyurethane	5 m	0,45 kg/m
	10047	pipe protective type R30, yellow/black	Polyurethane	Ln m	0,45 kg/m
	10014	pipe protective type R50, yellow/black	Polyurethane	1 m	0,95 kg/m

Surface Protective	Art. No.	Description	Material	Measures	Weight
	10012	surface protective type C, yellow/black	Polyurethane	1 m	0,75 kg/m
	10022	surface protective type C, yellow/black	Polyurethane	5 m	0,75 kg/m
	10042	surface protective type C, yellow/black	Polyurethane	Ln m	0,75 kg/m
	11012	surface protective type CC, yellow/black	Polyurethane	1 m	0,55 kg/m
	11022	surface protective type CC, yellow/black	Polyurethane	5 m	0,55 kg/m
	11042	surface protective type CC, yellow/black	Polyurethane	Ln m	0,55 kg/m
	10013	surface protective type D, yellow/black	Polyurethane	1 m	0,6 kg/m
	10023	surface protective type D, yellow/black	Polyurethane	5 m	0,6 kg/m
	10043	surface protective type D, yellow/black	Polyurethane	Ln m	0,6 kg/m
	10016	surface protective type F, yellow/black	Polyurethane	1 m	0,35 kg/m
	10025	surface protective type F, yellow/black	Polyurethane	5 m	0,35 kg/m
	10045	surface protective type F, yellow/black	Polyurethane	Ln m	0,35 kg/m

Corner protection	Art. No.	Description	Material	Weight
	10810	Corner protection type A, 2D, black	Polyurethane	0,042 kg
	10830	Corner protection type A, 2D, white	Polyurethane	0,042 kg
	10811	Corner protection type A, 3D, black	Polyurethane	0,048 kg
	10831	Corner protection type A, 3D, white	Polyurethane	0,048 kg
	10812	Corner protection type E, 2D, black	Polyurethane	0,016 kg
	10832	Corner protection type E, 2D, white	Polyurethane	0,016 kg
	10813	Corner protection type E, 3D, black	Polyurethane	0,020 kg
	10833	Corner protection type E, 3D, white	Polyurethane	0,020 kg
	10814	Corner protection type H, 2D, black	Polyurethane	0,040 kg
	10834	Corner protection type H, 2D, white	Polyurethane	0,040 kg
	10815	Corner protection type H, 3D, black	Polyurethane	0,048 kg
	10835	Corner protection type H, 3D, white	Polyurethane	0,048 kg

Bollard

The mobile bollard is a swift in use and easy to move. It is a safeguard for temporary use and warning obstacles.

It is not necessary to fastening on the ground because of the robust and heavy construction.

Plastic Bollards and Impact Protections

The moveable impact protection bollards impress by their high warning effect and their stability.

The different types enable a flexible usage. The large version, 1240 x 720 mm, is applied with foil of Type RA2 on both sites.

The recyclable food can be removed for a space-saving storage. All versions can be stacked. The products made of impact resistant polyethylene are for inner and outer usage.



Art. No.	Description	Material	Measures	Weight
20030 *)	Bollard 500 yellow	polyethylene, base plate made of black recycling material	Ø 500 mm H 1300 mm	30 kg
20040 *)	Bollard 500 black	polyethylene, base plate made of black recycling material	Ø 500 mm H 1300 mm	30 kg
20050	Bollard with handle, 800 mm yellow with two black stipes	Polyethylene	W 400 mm L 900 mm H 400 mm	6 kg
TR-001	Portable bollard red with red-white warning marking	Polyethylene	W 800 mm L 1200 mm H 400 mm	19 kg
TR-002	Portable bollard yellow with yellow-black warning marking	Polyethylene	W 800 mm L 1200 mm H 400 mm	19 kg

Rack, wall and corner protection

This rack, wall and corner protection series are a reasonable addition for your range of goods regarding the protection of inventory and buildings. Robust product, with eye-catching RA 1 reflective warning marking, user friendly.



Art. No.	Description	Material	Measures	Weight
30310	Rack safety for Posts, gap 80 mm, with fastening straps, RA 1 reflective foil	Polyethylene	W 160 mm H 450 mm	1 kg
30311	Rack safety for Posts, gap 90 mm, with fastening straps, RA 1 reflective foil	Polyethylene	W 160 mm H 450 mm	1 kg
30312	Rack safety for Posts, gap 100 mm, with fastening straps, RA 1 reflective foil	Polyethylene	W 160 mm H 450 mm	1 kg
30410	Wall Protection signal colour yellow, RA 1 reflective foil	Polyethylene	W 250 mm H 600 mm	1,2 kg
30420	Corner Protection signal colour yellow, RA 1 reflective foil - TÜV certified	Polyethylene	W 250 mm (outer leg) resp. 150 mm (inner leg), H 600 mm	1,8 kg

Column Protection

The Column Protection is a TÜV certified safeguard for posts and columns with eye-catching RA 1 reflective warning marking.

No drilling, no holes, easy to install.



Art. No.	Description	Material	Measures	Weight
30110 ^{*)}	Column protection, Ø 620 mm, Core 160 x 160 mm	Polyethylene	Ø 620 mm H 1100 mm	20 kg
30120 ^{*)}	Column protection, Ø 620 mm, Core 210 x 210 mm	Polyethylene	Ø 620 mm H 1100 mm	20 kg
30130 ^{*)}	Column protection, Ø 620 mm, Core 260 x 260 mm	Polyethylene	Ø 620 mm H 1100 mm	20 kg
30210 ^{*)}	Column protection, Ø 820 mm, Core 160 x 160 mm	Polyethylene	Ø 820 mm H 1100 mm	24 kg
30220 ^{*)}	Column protection, Ø 820 mm, Core 210 x 210 mm	Polyethylene	Ø 820 mm H 1100 mm	24 kg
30230 ^{*)}	Column protection, Ø 820 mm, Core 260 x 260 mm	Polyethylene	Ø 820 mm H 1100 mm	24 kg

Hose and Cable Protectors

Hose and cable protectors for temporary use. Capacity 40t. Easy to install and remove. Very robust material made of PVC. Qualified for truck traffic.

Yellow version: for hose and cables up to 45mm diameter (1 x 40 mm or 2 x 20 mm)

Black version: for hose and cables up to 75 mm (2 x 90 x 75 mm) with reflective foil RA 3, expandable at will. They are usable on both sides.



Art. No.	Description	Material	Measures	Weight
20010	Hose and cable protector yellow	PVC	L 1500 mm W 210 mm H 65 mm	15 kg
20020	Hose and cable protector black	PVC	L 300mm W 850mm H 90mm	12,5 kg

Barrier Fences

The Barrier Plane Fences can be delivered in two colors: white or yellow both with red/white eye-catching RA 1 reflective warning marking.

It is easy to connect without screws. Secure and simple construction due to the integrated two feet.



Art. No.	Description	Material	Measures	Weight
20001 ^{*)}	Barrier fence, white with red-white reflective foil RA 1	Polyethylene	L 2000 mm W 1000 mm D 50 mm	18 kg
20002 ^{*)}	Barrier fence, yellow with red-white reflective foil RA 1	Polyethylene	L 2000 mm W 1000 mm D 50 mm	18 kg

Crash protection guards

This product is in accordance with safety regulation BGR 234. The use of this type of crash protection guard is compulsory for permanently located shelving which is used in conjunction with transport vehicles. The mounting material (floor anchor) is not included. It can be purchased separately.



L-Shape

U-Shape

Art. No.	Description	Material	Measures	Weight
6260	Crash protection guard L-shape	Steel	H 400 mm leg length 180 mm	5,5 kg
6250	Crash protection guard U-shape internal width	Steel	H 400 mm W 245 mm T 200 mm	7,5 kg

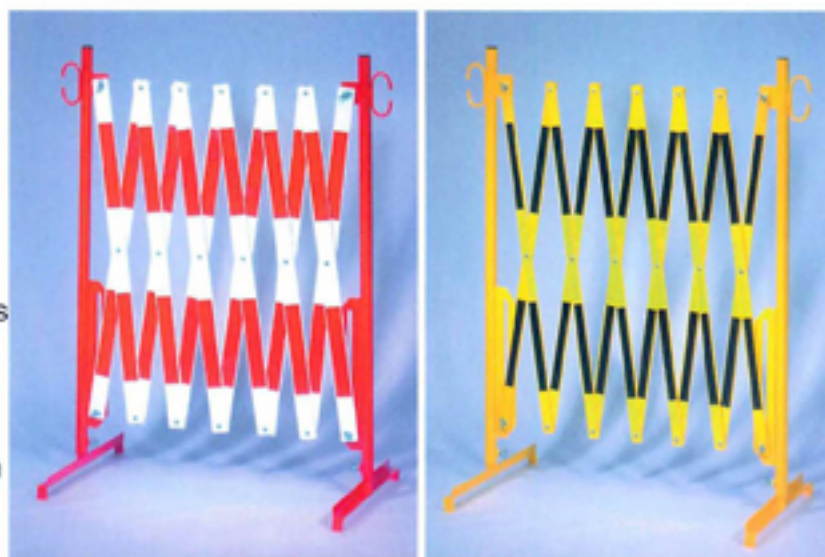
Expanding barriers

The expanding barriers are used for fencing off quickly and effectively all types of dangerous areas

Available color: red/ white with eye-catching and yellow/black

Complement: available with wheels or to fixing on the wall.

Big size: 3,6 m or 4,0 m



Art. No.	Description	Material	Weight
70-10	Expanding barrier red-white, 3,6 m x 1,0 m, 25 x 4 mm	Flat Steel	12 kg
70-20	Expanding barrier red-white, 4,0 m x 1,0m , 40 x 5 mm	Flat Steel	19 kg
70-30	Expanding barrier yellow-black, 3,6 m x 1,0 m, 25 x 4 mm	Flat Steel	12 kg
70-40	Expanding barrier yellow-black, 4,0 m x 1,0 m, 40 x 5 mm	Flat Steel	19 kg

Expanding barriers

The expanding barriers are used for fencing off quickly and effectively all types of dangerous areas. They make a space-saving storage possible.

Available color: red/ white with eye-catching or yellow/black

Complement: available with wheels or to fixing on the wall.

Big size: 3,6 m or 4,0 m



Art. No.	Description	Material	Weight
70-10R	Expanding barrier red-white on wheels, 3,6 m x 1,05 m, Flat steel 25 x 4 mm	Flat Steel	12 kg
70-20R	Expanding barrier red-white on wheels, 4,0 m x 1,05 m, Flat steel 40 x 5 mm	Flat Steel	19 kg
70-30R	Expanding barrier yellow-black on wheels, 3,6 m 1,05 m, Flat steel 25 x 4 mm	Flat Steel	12 kg
70-40R	Expanding barrier yellow-black on wheels, 4,0 m 1,05 m, Flat steel 40 x 5 mm	Flat Steel	19 kg
70-10W	Expanding barrier red-white with wall mounting and reels, 3,6 m x 1,05 m Flat steel 25 x 4 mm	Flat Steel	12 kg
70-20W	Expanding barrier red-white with wall mounting and reels, 4,0 m x 1,05 m, Flat steel 40 x 5 mm	Flat Steel	19 kg
70-30W	Expanding barrier yellow-black with wall mounting and reels, 3,6 m x 1,05 m, Flat steel 25 x 4 mm	Flat Steel	12 kg
70-40W	Expanding barrier yellow-black with wall mounting and reels, 4,0 m x 1,05 m, Flat steel 40 x 5 mm	Flat Steel	19 kg

Safety Railing

These products are use for an optimal protection of plant and equipment, roads and machinery. Available in different dimensions and versions. Galvanized and powder coated for outdoor use. Similar color to RAL 1023 (traffic yellow).

Posts: 10 x 10 cm with base plate 20 x 20 cm, available as end, middle and corner posts with height 100 cm or 50 cm.

Beams: 80 x 140
in 100, 120, 135 and 150 cm length.



Outdoor use

Art. No.	Description	Material	Measures	Weight
B+100 ^{*)}	Beam for Safety Railing	Steel	L 1000 mm W 140 mm H 80 mm	11 kg
B+120 ^{*)}	Beam for Safety Railing	Steel	L 1200 mm W 140 mm H 80 mm	13,5 kg
B+135 ^{*)}	Beam for Safety Railing	Steel	L 1350 mm W 140 mm H 80 mm	15 kg
B+150 ^{*)}	Beam for Safety Railing	Steel	L 1500 mm W 140 mm H 80 mm	16,5 kg
PE+100 ^{*)}	End Post for Safety Railing	Steel	L 1000 mm W 200 mm H 200 mm	15,5 kg
PE+50 ^{*)}	End Post for Safety Railing	Steel	L 500 mm W 200 mm H 200 mm	9,5 kg
PM+100 ^{*)}	Centre Post for Safety Railing	Steel	L 1000 mm W 200 mm H 200 mm	17,5 kg
PM+50 ^{*)}	Centre Post for Safety Railing	Steel	L 500 mm W 200 mm H 200 mm	10 kg
PW+100 ^{*)}	Corner Post for Safety Railing	Steel	L 1000 mm W 200 mm H 200 mm	17,5 kg
PW+50 ^{*)}	Corner Post for Safety Railing	Steel	L 500 mm W 200 mm H 200 mm	10 kg

Safety Railing

These products are use for an optimal protection of plant and equipment, roads and machinery. Available in different dimensions and versions. Powder coated for indoor use. Similar color to RAL 1023 (traffic yellow).

Posts: 10 x 10 cm with base plate 20 x 20 cm, available as end, middle and corner posts with height 100 cm or 50 cm.

Beams: 80 x 140
in 100, 120, 135 and 150 cm length.



Indoor use

Art. No.	Description	Material	Measures	Weight
B-100 ^{*)}	Beam for Safety Railing	Steel	L 1000 mm W 140 mm H 80 mm	11 kg
B-120 ^{*)}	Beam for Safety Railing	Steel	L 1200 mm W 140 mm H 80 mm	13,5 kg
B-135 ^{*)}	Beam for Safety Railing	Steel	L 1350 mm W 140 mm H 80 mm	15 kg
B-150 ^{*)}	Beam for Safety Railing	Steel	L 1500 mm W 140 mm H 80 mm	16,5 kg
PE-100 ^{*)}	End Post for Safety Railingr	Steel	L 1000 mm W 200 mm H 200 mm	15,5 kg
PE-50 ^{*)}	End Post for Safety Railing	Steel	L 500 mm W 200 mm H 200 mm	9,5 kg
PM-100 ^{*)}	Centre Post for Safety Railing	Steel	L 1000 mm W 200 mm H 200 mm	17,5 kg
PM-50 ^{*)}	Centre Post for Safety Railing	Steel	L 500 mm W 200 mm H 200 mm	10 kg
PW-100 ^{*)}	Corner Post for Safety Railing	Steel	L 1000 mm W 200 mm H 200 mm	17,5 kg
PW-50 ^{*)}	Corner Post for Safety Railing	Steel	L 500 mm W 200 mm H 200 mm	10 kg




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