



2023 Safety, Control and Security



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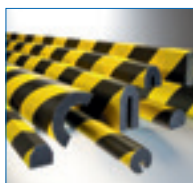
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- High optical quality
- Shock and impact resistant
- Minimal distortion
- Eye catching red/white surround
- 5 year guarantee against manufacturing faults

View-Ultra 1+ 2



VIEW-ULTRA

Sekurit Glass Mirrors

The **VIEW-ULTRA** Sekurit convex mirror provides exceptional reflective qualities due to the uniformly even convex mirror surface. It is highly suitable for use where high demands are made on the optical qualities of the mirror image.

The Sekurit glass mirror is housed in a weather resistant white frame with red reflective sections, making the mirror impact and shock resistant and provides protection against injury (should the mirror break it shatters into small non-sharp beads).

The **VIEW-ULTRA** is particularly suitable for areas that demand high optical qualities such as traffic regulation, production processes, warehouses, manufacturing sites, marshalling yards, logistics depots etc.

The mirror is supplied complete with hot dip galvanised bracket to suit 76 mm Ø post (108 mm Ø bracket available on request).

This mirror can also be supplied with heating elements (see below).

View-Ultra 3



We also supply mirror posts – see page 17 for details.



VIEW-ULTRA	Mirror size (mm)	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1	400 x 600	6	10	240.15.611	1 / 2 days
2	600 x 800	12	15	240.19.897	
3	800 x 1,000	18	25	240.17.387	
With heater 1H/15W	400 x 600	6	11	240.15.372	5 / 10 days
With heater 2H/30W	600 x 800	12	17	240.16.854	
With heater 3H/45W	800 x 1,000	18	28	240.17.948	
Water resistant thermostat			1	245.12.536	5 / 10 days
Post clip adapter			4	245.11.059	
Bracket for 108mm Ø post, VIEW-ULTRA 1 + 2			5	245.17.933	
Bracket for 108mm Ø post, VIEW-ULTRA 3			5	245.11.151	

Traffic Mirrors

Mirrors



- High quality stainless steel
- Virtually indestructible
- Easy to install
- Resistant to chemicals
- Eye catching red/white surround
- 2 year guarantee against manufacturing faults

Note:
The **DURABEL** is manufactured entirely of Stainless Steel: mirror surface, frame, mounting bracket.

DURABEL
Stainless Steel Mirrors

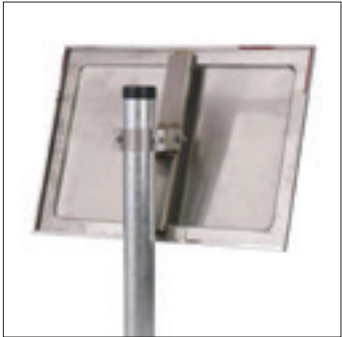
The **DURABEL** Stainless Steel mirror is a robust and economical traffic observation mirror, suitable for both Indoor and Outdoor applications. The highly polished mirror surface ensures that a clear image quality is maintained even under conditions of extreme heat, alkaline and chemical environments.

The mirror is supplied complete with bracket to suit 76 mm Ø post.

This mirror is highly suitable for use in regulating traffic, manufacturing processes, warehouses, logistics depots, blind corners, bottlenecks, crossings etc.



We also supply mirror posts – see page 17 for details.



DURABEL	Mirror size (mm)	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1	400 x 600	4	10	242.12.680	1 / 2 days
2	600 x 800	10	15	242.11.505	
3	800 x 1,000	15	22	242.10.092	

DURABEL LITE Stainless Steel Mirrors

The **DURABEL LITE** is an inexpensive alternative to pure stainless steel convex mirrors. A highly polished distortion free stainless steel mirror face is mounted in a weather resistant ABS plastic frame which combines the cost advantages of plastic with the durability of stainless steel. This mirror is particularly suitable for installation in areas of high air pollution and vandalism. The **DURABEL LITE** offers a long life without loss of image quality making the mirror a very economic purchase.

The universal clamp supplied can be used with posts of 60–90mm Ø with no requirement for adapters.

The **DURABEL LITE** is highly suitable for use in areas of traffic regulation, blind spots, production processes, warehouses, manufacturing sites, marshalling yards, logistics depots etc.

We also supply mirror posts – see page 17 for details.

NEW:

Dimension 800 x 1,000 mm

- Indoor and Outdoor use
- Exceptional image quality
- Mirror surface of Stainless Steel
- Virtually indestructible
- Inexpensive
- Eye catching red/white surround
- 5 year guarantee against manufacturing faults

**DURABEL LITE IceFree** Stainless Steel Mirror

The **DURABEL LITE IceFree** Stainless Steel mirror is a low cost alternative to our DURABEL IceFree mirror, but retains the tried and tested thermo-gel system which controls the surface temperature of the mirror based on the actual ambient temperature. This system prevents the formation of condense and ice on the mirror surface down to –20° C.

The mirror surface and universal mounting are manufactured in stainless steel with the housing manufactured in weather resistant white ABS complete with reflective red stripes.

This mirror is particularly suited for use in locations which experience extreme weather conditions and/or which do not have a suitable electric supply.

The universal clamp supplied can be used with posts of 60–90mm Ø with no requirement for adapters.

We also supply mirror posts (76 mm Ø) – see page 17 for details.

- High quality stainless steel mirror surface
- Effective control down to –20° C
- No costly electric supply required
- Effectively reduces condensation and ice formation
- 5 year guarantee against manufacturing faults



DURABEL LITE	Mirror size (mm)	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
LITE 1	450 x 600	6	7.9	242.20.223	5 / 10 days
LITE 2	600 x 800	10	11.1	242.26.946	
LITE 3	800 x 1,000	15	12.9	242.20.654	
LITE 600	600 Ø	4	9.2	242.22.647	

DURABEL IceFree ECO	Mirror size (mm)	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1	450 x 600	6	15	242.24.151	5 / 10 days
2	600 x 800	10	23.5	242.27.488	
3	800 x 1,000	15	34	242.25.771	
600	600 Ø	6	15	242.20.096	
800	800 Ø	10	23.5	242.28.986	

Traffic Mirrors



- Effective in temperatures down to -20°C
- No power supply required.
- Easily installed
- Robust Stainless Steel
- Eye catching red/white surround
- 5 year guarantee against manufacturing faults



DURABEL IceFree Stainless Steel Mirrors



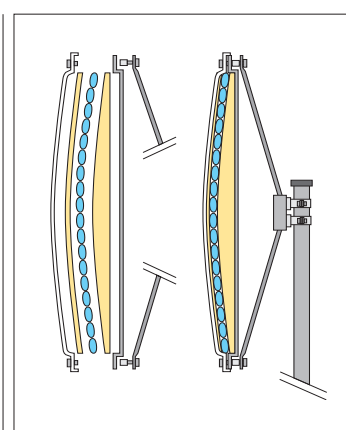
The unique **DURABEL IceFree** Stainless Steel mirror was developed to combat extreme weather conditions such as condensation and ice which affect the optical qualities of standard mirrors. The standard **DURABEL** Stainless Steel mirror is backed by a Thermo-active gel which regulates the temperature of the mirror surface, thus preventing the formation of condensation and ice.

The mirror back is formed in impact and UV resistant plastic material which protects the thermoactive layers.

The **DURABEL IceFree** has the added advantage over electrically heated mirrors in that it can be installed without having to provide power or in locations that do not have power available.

The universal clamp supplied can be used with posts of 60-90mm Ø with no requirement for adapters.

The **DURABEL IceFree** is highly suitable for use in areas that experience changeable adverse weather conditions, traffic regulation, railway stations, airports etc.



We also supply mirror posts – see page 17 for details.

DURABEL IceFree	Mirror size (mm)	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
2	600 x 800	10	25	242.14.389	5 / 10 days
3	800 x 1,000	15	36	242.15.533	

VIEW-MINDER Acrylic Mirror

The **VIEW-MINDER** Traffic Mirror provides a winning combination of price, quality and safety that is hard to match. The mirror is suitable for Indoor and Outdoor applications, is light weight and possesses high optical qualities.

The **VIEW-MINDER** Traffic Mirror is manufactured from clear shock resistant acrylic which protects the metallised mirror coating, and is set into a UV resistant, corrosion proof and weather resistant plastic frame which has eye catching red reflective panels on a white background.

The integrated bracket allows for fitting to 60 or 76 mm Ø posts.

This mirror is highly suitable for use in traffic regulation, manufacturing processes, warehouses, logistics depots, blind corners, bottlenecks, crossings etc.

We also supply mirror posts – see page 17 for details.

- Indoor and Outdoor use
- Acrylic mirror
- High optical quality
- Easy to install
- Lightweight
- UV and weather resistant
- 2 year guarantee against manufacturing faults



VIEW-MINDER	Mirror size (mm)	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1	400 x 600	5	5	243.10.847	1 / 2 days
2	600 x 800	10	7	243.12.742	
3	800 x 1,000	15	8	243.10.178	
4	1,000 x 1,200	22	11	243.25.569	5 / 10 days
600	600 Ø	4	5	243.10.158	1 / 2 days
800	800 Ø	8	7	243.12.563	

VIEW-MINDER-ECO® Acrylic Mirror

The **VIEW-MINDER-ECO** is a high quality, shock-proof mirror manufactured in clear Acrylic which protects the metallised mirror coating from scratches. Suitable for Indoor and Outdoor applications it provides excellent image reproduction due to its evenly curved surface. Red reflective panels ensure the mirror is visible to vehicles and pedestrians day and night.

Thanks to the frameless design the **VIEW-MINDER-ECO** offers a cost-effective solution to traffic management.

The **VIEW-MINDER-ECO** is delivered ready for installation and can be easily positioned by one person due to its light-weight construction. The integrated bracket allows for fitting to 60 or 76 mm Ø posts.

- Acrylic Mirror surface
- Light weight
- Easy to install
- Cost effective



VIEW-MINDER-ECO	Mirror size (mm)	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1	400 x 600	5	4.5	243.25.564	5 / 10 days
2	600 x 800	10	6.0	243.21.307	
3	800 x 1,000	15	6.5	243.26.714	

Industrial Mirrors



- Indoor and Outdoor use
- Acrylic mirror
- High optical quality
- Easy to install
- Lightweight
- Corrosion free
- 2 year guarantee against manufacturing faults

VIEW-MINDER Industrial Duty Mirrors

The **VIEW-MINDER** Industrial Duty Mirror is designed to improve safety, security and productivity in the workplace. It can be positioned Indoors and Outdoors in sheltered locations and features a uniform curvature which allows for excellent image quality.

The **VIEW-MINDER** Industrial Duty Mirror is manufactured from clear shock resistant Acrylic which protects the metallised mirror coating, and is set into a plastic frame with a yellow and black surround which conforms to DIN 4844.

The mirror frame incorporates a bracket suitable for mounting onto a 60 and a 76 mm Ø post. An optional wall bracket for mounting on flat surfaces allows the mirror to be mounted in portrait mode or landscape mode.

This mirror is highly suitable for use in forklift traffic areas, manufacturing processes, warehouses, logistics depots, blind corners, bottlenecks, crossings etc.

We also supply mirror posts – see page 17 for details.



VIEW-MINDER Industrial Duty Mirrors	Mirror size (mm)	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
G 1	400 x 600	5	4	253.15.681	1 / 2 days
G 2	600 x 800	10	6	253.16.706	
G 3	800 x 1,000	15	7	253.18.463	
G 600	600 Ø	4	4	253.17.516	
G 800	800 Ø	8	6	253.14.690	
Wall-mounting bracket (H x D x W) 190 x 270 x 76 mm			2	253.19.463	

SPION Observation Mirror

The **SPION** observation mirror for Indoor and Outdoor use is ideal for monitoring traffic routes, machinery, blind spots etc.

The mirror is manufactured in shock resistant acrylic which protects the metallised mirror coating from scratching. It features a very light construction combined with excellent image quality and wide angle viewing.

The circular version of the **SPION** is supplied complete with a 25c m 'J' bracket for easy installation on flat surfaces (a post fixing kit is available – see table below), whilst the rectangular mirror is supplied complete with a post fixing bracket (60-76 mm Ø posts).

We also supply mirror posts – see page 17 for details.



- Indoor & Outdoor use
- Excellent image quality
- Easy & quick installation
- Light construction
- 2 year guarantee against manufacturing faults

**MIRROR-MAX Acrylic Mirrors**

The **MIRROR-MAX** is a compact 180° mirror offering wide angle views, enabling it to replace two conventional traffic mirrors at 'T' junctions, making the **MIRROR-MAX** a very cost effective solution.

The **MIRROR-MAX** is manufactured in shock resistant acrylic material which protects the metallised mirror coating from scratching. It possesses excellent optical qualities and is of very light construction.

The **MIRROR-MAX** is particularly suitable for traffic junctions, private and public, manufacturing processes, confined spaces, gatehouses etc.

The mirror is supplied complete with hot dip galvanised bracket to suit a 60 and a 76 mm Ø post, and can be mounted vertically with a Wall-mounting bracket.

We also supply mirror posts – see page 17 for details.

- Indoor and Outdoor use
- High optical quality
- UV and weather resistant
- Shock and impact resistant
- Easily installed
- Lightweight construction
- Indoor and Outdoor use
- 2 year guarantee against manufacturing faults



Description	Diameter of Mirror (mm)	Max. obs. dist. from mirror (m)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
Mirror with 'J' bracket (25 cm)	300 Ø	2	2	247.17.989	1 / 2 days
	400 Ø	3	3	247.13.962	
	500 Ø	5	4	247.14.455	
	600 Ø	7	5	247.19.332	
	700 Ø	9	6	247.18.522	
	800 Ø	11	7	247.18.504	
Extended bracket 55 cm			1	255.10.700	
Post fixing Kit				247.Pclip	
for fixing to 60 to 76 mm Ø Posts	400 x 600	5	5	247.18.638	
	600 x 800	8	7	247.19.825	

Mirror size W x H x D (mm)	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
750 x 400 x 160	5	5	246.14.036	1 / 2 days
850 x 420 x 190	7	7	246.17.210	
Wall-mounting bracket (H x D x W) 190 x 270 x 76 mm		2	253.19.463	

Observation Mirrors

DETECTIVE-X Observation Mirror



The **DETECTIVE-X** observation mirror for Indoor use is ideal for where people circulate, affording observation where medium to large fields of vision are required.

The mirror is manufactured in shock resistant acrylic which protects the metallised mirror coating from scratching. It features a very light construction which eliminates risks associated with glass mirrors. This mirror is ideal for use in retail outlets, warehouses, public buildings and manufacturing sites etc.

The **DETECTIVE-X** is supplied complete with 25cm 'J' bracket for easy and fast installation. A 55cm bracket is available as an option.

We also supply mirror posts – see page 17 for details.

- Indoor use only
- Excellent image quality
- Easy & quick installation
- Light construction
- Helps reduce accidents & theft
- 2 year guarantee against manufacturing faults



Diameter of Mirror (mm)	Max. obs. dist. from mirror (m)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
300	2	1.7	251.13.487	1 / 2 days
400	3	2	251.17.667	
500	5	2.5	251.18.945	
600	7	3	251.15.534	
700	9	5	251.16.210	
800	11	6	251.13.505	
Extended arm fitment 55 cm		1	255.10.700	1 / 2 days
Post Fixing Kit			247.Pclip	

DETECTIVE Observation Mirror – Magnetic



A circular convex mirror equipped with a magnetic foot, ideal for situations that require temporary or semi-permanent applications either Indoors or sheltered Outdoor situations.

The mirror is manufactured in shock resistant acrylic which protects the metallised mirror coating from scratching. It is of light construction and possesses excellent image quality.

The **DETECTIVE** Convex mirror is supplied complete with a magnetic 200mm flexible arm for easy and fast installation.

- Indoor and sheltered Outdoor use
- Excellent image quality
- Easy & quick installation
- Light construction
- Easily fixed to flat steel surfaces
- 2 year guarantee against manufacturing faults



Diameter of Mirror (mm)	Max. obs. dist. from mirror (m)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
300	3	2.5	252.25.675	1 / 2 days
450	5	3	252.29.230	
600	7	4	252.28.369	5 / 10 days

DETECTIVE Acrylic Convex Mirror

A triangular mirror ideal for Indoor use where observation distances are short, ideal for use in retail stores, supermarket checkouts, production lines etc.

The mirror is manufactured in shock resistant acrylic which protects the metallised mirror coating from scratching. It is of light construction and possesses excellent image quality. It is supplied complete with a flexible arm and 'G' bracket.

- Indoor use only
- Excellent image quality
- Easy & quick installation
- Light construction
- Easily installed on flat surfaces & posts
- 2 year guarantee against manufacturing faults



Mirror size (mm) Ø	Max. obs. dist. from mirror (m)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
330	2	2	252.10.021	1 / 2 days

MIRROR-MASTER Acrylic Fork Lift Truck Mirror

The rear view mirror that is an essential aid to fork lift truck drivers everywhere and which increases spatial awareness. The **MIRROR-MASTER** reduces driver fatigue, thus creating a safer working environment.

The mirror is manufactured in a smart black surround and features shock resistant acrylic which protects the metallised mirror coating from scratching. It is of light construction and possesses excellent image quality. It is supplied complete with all necessary fixings to attach to the safety cage.

Ball and socket joint for quick and easy adjustment.

- Indoor and Outdoor use
- Excellent image quality
- Easy & quick installation
- Light construction
- Wide angle views
- 2 year guarantee against manufacturing faults



Mirror size (mm) W x H x D	Max. obs. dist. from mirror (m)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
270 x 135 x 75	1	0.75	254.16.897	5 / 10 days

Observation Mirrors

Mirrors

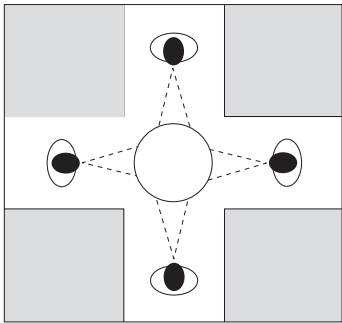


- Indoor use only
- Excellent image quality
- Light construction
- 360° viewing angle
- 2 year guarantee against manufacturing faults

PANORAMIC 360
Acrylic Mirrors

The **PANORAMIC 360** Mirror range is an indispensable safety aid to areas that experience high traffic flow. The 360° field of vision contributes to safety and improves traffic flow. This mirror can be screwed directly to flat surfaces or can be suspended using the optional chain set.

The mirror is manufactured in shock resistant acrylic which protects the metallised mirror coating from scratching. It is of light construction and possesses excellent image quality.



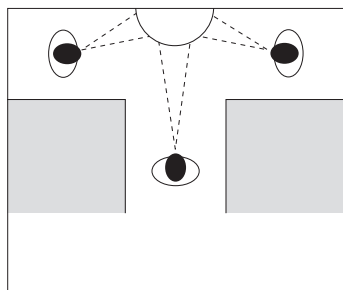
Mirror Ø (mm)	Max. obs. dist. from mirror (m)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
600 x 250	3	5.5	250.15.138	1 / 2 days
800 x 300	4	7	250.17.220	
900 x 340	5	9	250.10.202	
1,000 x 380	6	11	250.18.256	
1,250 x 420	8	32	250.13.084	
Chain set (Chain length 4m), for suspended fitting		0.7	255.10.618	

PANORAMIC 180 Acrylic Mirrors

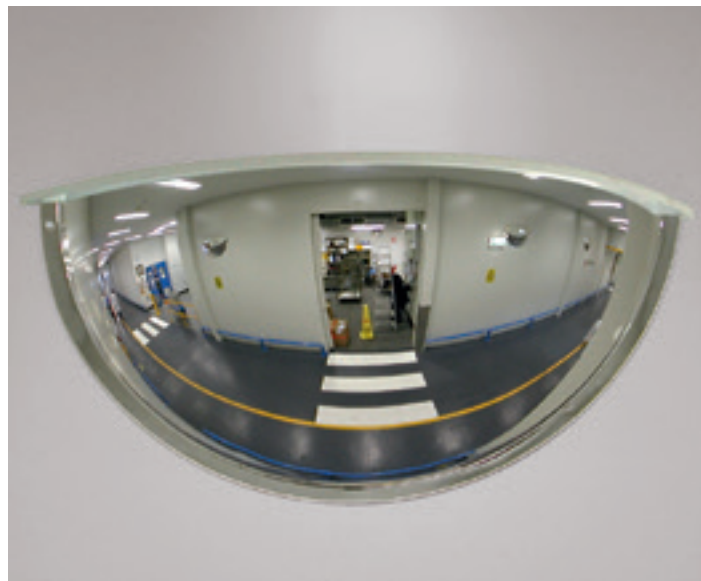
The **PANORAMIC 180** convex mirror provides safety and supervisory capabilities in areas such as narrow passages, corridors and blind spots, making this ideal for use in hospitals, hotels, public buildings, retail outlets etc.

The mirror is manufactured in shock resistant acrylic which protects the metallised mirror coating from scratching. It is of light construction and possesses excellent image quality.

- Indoor use only
- Excellent image quality
- Light construction
- 180° viewing angle
- 2 year guarantee against manufacturing faults



Mirror size (mm) W x H x D	Max. obs. dist. from mirror (m)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
600 x 320 x 240	5	3	256.17.911	1 / 2 days
800 x 410 x 330	6	3.5	256.14.205	
900 x 450 x 250	7	4	256.16.959	
1,000 x 530 x 400	8	4.5	256.17.882	

PANORAMIC-180WA Observation Mirror with Frame

The **DETECTIVE** range of wall mounted convex mirrors are designed for use where space is at a premium. Ideal for applications in workshops, offices, retail shops, reception areas etc.

The mirror is manufactured in shock resistant acrylic which protects the metallised mirror coating from scratching. It is of light construction and possesses excellent image quality and is available in rectangular or circular form.

- Indoor use only
- Excellent image quality
- Light construction
- Easily fixed to wall
- 2 year guarantee against manufacturing faults



Mirror size (mm)	Max. obs. dist. from mirror (m)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
600 x 300 x 165	5	4	256.28.313	5 / 10 days

Observation Mirrors

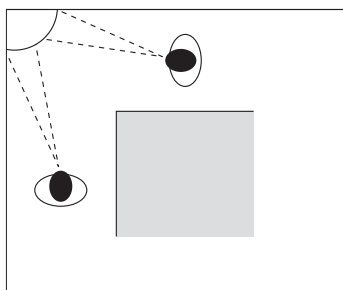
PANORAMIC 90 Acrylic Mirrors



The **PANORAMIC 90** convex mirror provides safety and supervisory capabilities in areas such as narrow passages, corridors and blind spots, making this ideal for use in hospitals, hotels, public buildings, retail outlets etc. Suitable for corner mounting.

The mirror is manufactured in shock resistant acrylic which protects the metallised mirror coating from scratching. It is of light construction and possesses excellent image quality.

- Indoor use only
- Excellent image quality
- Light construction
- 90° viewing angle
- 2 year guarantee against manufacturing faults



Mirror size (mm) W x H x D	Max. obs. dist. from mirror (m)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
300 x 300 x 240	3	2	257.17.652	1 / 2 days
400 x 400 x 330	4	2.5	257.17.048	
420 x 420 x 360	5	3	257.13.342	
490 x 490 x 400	6	3.5	257.16.835	

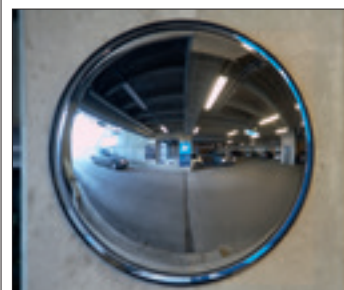
DETECTIVE Wall Mounted Convex Mirrors



The **DETECTIVE** range of wall mounted convex mirrors are designed for use where space is at a premium. Ideal for applications in workshops, offices, retail shops, reception areas etc.

The mirror is manufactured in shock resistant acrylic which protects the metallised mirror coating from scratching. It is of light construction and possesses excellent image quality and is available in rectangular or circular form.

- Indoor use only
- Excellent image quality
- Light construction
- Easily fixed to wall
- 2 year guarantee against manufacturing faults



Mirror size (mm) W x H x D	Max. obs. dist. from mirror (m)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
360 x 260 x 75	3	1	252.20.171	1 / 2 days
520 x 320 x 85	5	2	252.20.458	
450 Ø x 100	4	1.5	252.20.842	5 / 10 days
600 Ø x 130	6	2	252.26.285	
800 Ø x 180	9	3	252.20.017	

ANTI-VANDAL *Stainless Steel Mirror*

A circular convex mirror manufactured in high quality Stainless Steel providing an excellent image, ideal for areas subject to vandalism in both Indoor and Outdoor situations. Easily installed using the Clutch Head security screws supplied.

Typical application areas include underground railways, train stations, underpasses, prisons, psychiatric institutions and many others.

- Indoor and Outdoor use
- Excellent image quality
- Anti-vandal
- Easy & quick installation
- Light construction
- 2 year guarantee against manufacturing faults



Mirror size Ø x D (mm)	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
500 x 80	6	3	252.21.125	5 / 10 days
Clutch-head screws 10 x 38mm (Supplied)		0.2	245.27.882	

INSTITUTIONAL *Wall Mounted Stainless Steel Security Mirror*

The **INSTITUTIONAL** mirror is a high quality anti-vandal mirror manufactured in Stainless Steel which provides a brilliant clear image. Essential in applications with a high risk of vandalism, it provides a high level of enhanced safety and security of staff, inmates and patients.

This mirror is ideal for Indoor applications in prisons, courts, police and military stations, hospitals, mental institutions.

The mirror is secured by means of a coated steel frame, which has countersunk screw holes which accommodate clutch head security screws (7 per mirror provided), ensuring the mirror assembly cannot be tampered with.

- For Indoor use
- Manufactured in Stainless Steel
- Anti-vandalism
- Ideal for Security areas
- Brilliant clear image



Mirror size (mm) W x H	Max. obs. dist. from mirror (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
250 x 250	4	3.5	258.25.964	5 / 10 days
500 x 250	5	5.5	258.27.080	
Clutch-head screws 10 x 38mm (Supplied)		0.2	245.27.882	

Inspection Mirrors

VISION Inspection Mirrors – With Castors



The **VISION** Inspection Mirror is essential for inspecting the underside of all types of vehicles, and other situations where security is a priority. Easy to use and manoeuvre due to mirror being equipped with four roller castors and with a two part extending aluminium handle (100 to 200 cm).

This mirror is ideal for under vehicle inspections at ports, airports, military bases and other areas where security is an important factor.

The **VISION** mirror is manufactured from clear shock resistant acrylic which protects the metallised mirror coating. It is ideal for Indoor and Outdoor use and a handy storage bag is included.

Option: Also available is a battery powered LED lamp with an adjustable plate which fits to the mirror and directly illuminates the area being inspected (3 x AAA Batteries supplied.)

- Indoor and Outdoor use
- Acrylic mirror
- Wide field of view
- Easy to use
- Brilliant clear image



Mirror size Ø (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
450	4.5	248.17.593	1 / 2 days
LED Inspection Lamp	0.1	248.14.031	

VISION Inspection Mirrors – Hand held



The **VISION** Inspection Mirror is ideal for inspecting hard to reach areas such as blind spots in industrial machinery etc. The mirror is supplied with a 2 part extending aluminium pole (100 to 200 cm) to enable extended viewing. For conditions of poor light an LED lamp is available as an optional accessory.

This mirror is ideal for internal vehicle inspections etc. at ports, airports, military bases and other locations etc.

The **VISION** mirror is manufactured from clear shock resistant acrylic which protects the metallised mirror coating. It is ideal for Indoor and Outdoor use and a handy storage bag is included.

Option: Also available is a battery powered LED lamp with an adjustable plate which fits to the mirror and directly illuminates the area being inspected (3 x AAA Batteries supplied.)

- Indoor and Outdoor use
- Acrylic mirror
- Wide field of view
- Easy to use
- Brilliant clear image



Mirror size Ø (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
230	2	248.14.221	1 / 2 days
LED Inspection Lamp	0.1	248.14.031	

Posts



For the permanent mounting of mirrors.

Post 76 mm Ø

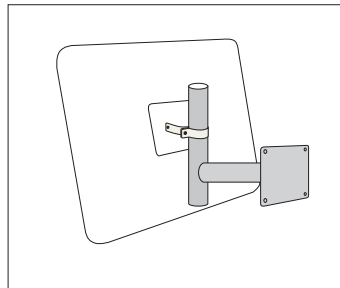
2.5 mm Wall thickness.

Hot Dip Galvanised.

With plastic cap.

Root fix into concrete (with ground anchor supplied).

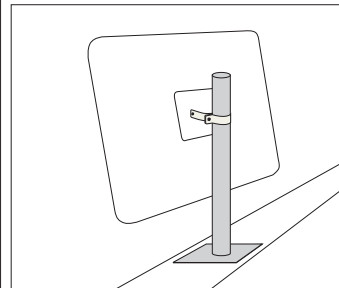
Wall Arm



Wall bracket for mirrors on vertical surfaces, either landscape or portrait.
Hot Dip Galvanised.

Mounting plate: 160 x 140 x 10 mm.

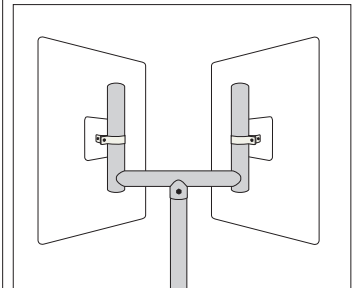
Wall/Ceiling Post



For mounting mirrors on horizontal surfaces, such as walls, ceilings.
Hot Dip Galvanised.

Mounting plate: 160 x 140 x 10 mm.

Fork Top



To fix two mirrors onto one post, wall arm or wall post.
Hot Dip Galvanised.

Description	For mirror size	Size (mm)	Type of mounting	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Galvanised Post 76mm Ø	All	3,000	Root fix into concrete	15	310.13.098	1 / 2 days
		3,500		17	310.11.268	
		4,000		19	310.11.638	
Wall Arm	All	400 H x 500 B	Vertical surfaces	6.5	245.10.893	
Wall Post	Models 1, 2	800 H	Horizontal surfaces	6.5	245.10.251	
	Model 3	1,200 H		9	245.12.944	
Fork Top	Model 1	400 H x 650 B	To fix two mirrors onto one post, wall arm or wall post	8.5	245.11.264	
	Models 2, 3	400 H x 900 B		9.5	245.11.466	

Protection Railings




Collision Protection



BLACK BULL MD Impact Protection System



* Max. force absorption. For details please request data sheets.

Description	Support Posts 1,000 x 70 x 70mm		
	End Post	Centre Post	Corner Post
			
Delivery weight (kg/ea.)	10	10.5	10.5
Powder coated	194.24.261	194.29.943	194.29.694
Typical despatch time (working days)	5 / 10 days		
Hot dip galvanised and powder coated	194.25.033	194.20.894	194.21.831
Typical despatch time (working days)	5 / 10 days		



This highly visible Medium Duty Railing System separates and protects machinery and pedestrian walkways from light duty vehicular traffic effectively and inexpensively. Ideal for protecting buildings, inventory and workspaces. It is easily and quickly installed with no protruding lugs or bolts.

Finish:

For Indoor use: Powder coated yellow.

For Outdoor use: Hot Dip Galvanised and Powder coated yellow.

Specifications:

Support posts: 3mm wall thickness with black cap.

Base plate: 140 x 160 x 10mm
(Drilled 4 fixing holes)

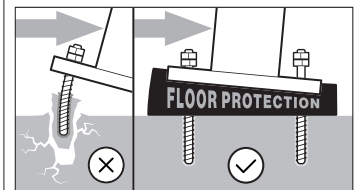
Lateral rails: 60 x 40mm with 3mm wall thickness

Under-run rail: 200 x 100 x 4 mm





Option:


Can also be supplied in our **FLEX** system (see page 30 for details).

- Indoor and Outdoor use
- Excellent build quality and strength
- Quickly and easily installed
- Modular construction for easy extension
- Highly visible
- TUV-tested according to DGUV 108-007



Fixings	Dimensions (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Surface fixing bolt S14 (4 per post)	10/100	0.2	109.17.393	1 / 2 days
Through bolt anchor (4 per post)	12/120	0.3	109.24.665	

Lateral Rails (mm) including fixing screws			
1,000	1,200	1,500	2,000
			
			
			
			
5	6	7	9
194.21.266	194.27.076	194.25.352	194.25.650
5 / 10 days			
194.29.126	194.27.265	194.27.828	194.29.847
5 / 10 days			

Dimensions (mm) H x D x WT	Under-run Guard (mm), Steel			
	800	1,080	1,380	1,880
200 x 100 x 4				
Delivery weight (kg/ea.)	9	11	13.5	17.5
Powder coated	194.20.522	194.24.463	194.23.061	194.20.550
Number of surface fixing bolts per length	4	4	5	5
Typical despatch time (working days)	5 / 10 days			

Protection Railings




Collision Protection



BLACK BULL HD
Impact Protection Railing System



* Max. force absorption. For details please request data sheets.

Description	Support Posts 500 x 100 x 100 mm		
	End Post	Centre Post	Corner Post
			
Delivery weight (kg/ea.)	10	10.5	10.5
Powder coated	194.16.094	194.18.550	194.13.760
Typical despatch time (working days)			
Hot dip galvanised and powder coated	194.15.765	194.18.142	194.15.032
Typical despatch time (working days)			



This highly visible Heavy Duty Railing System separates and protects machinery and pedestrian walkways from fork lift and other vehicular traffic effectively both indoors and outdoors. Ideally suited for protecting buildings, equipment, machinery and workspaces from accidental damage. It is easily and quickly installed with no protruding lugs or bolts.

Surface treatment:

For Indoor use: Powder coated yellow.

For Outdoor use: Hot Dip Galvanised and Powder coated yellow.

Specifications:

Support posts: 3mm wall thickness.

Base plate: 200 x 200 x 10 mm
(Drilled 4 fixing holes)

Lateral rails: 120 x 80 mm
with 3 mm
wall thickness

Option:

Can also be supplied in our **FLEX** system
(see page 22 for details).











Under-run guards manufactured in 4 mm thick steel and powder coated yellow prevent forklift forks and pallet trucks from entering walkways. See page 19 for details.

- Indoor and Outdoor use
- Superior build quality and strength
- Quickly and easily installed
- Modular construction for customised applications
- Countersunk bolts secure rails to posts
- TUV-tested according to DGUV 108-007



Fixings	Dimensions (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Surface fixing bolt S12 (4 per post)	8/100	0.2	109.17.393	1 / 2 days
Through bolt anchor (4 per post)	12/120	0.3	109.24.665	

Support Posts 1,000 x 100 x 100 mm			Lateral Rails (mm) included fixing screws				Bollard (mm)
End Post	Centre Post	Corner Post	1,000	1,200	1,500	2,000	1,000 x 100 x 100
							
17	18	18	9.5	11.5	14	18	16
194.14.244	194.17.026	194.18.205	194.18.997	194.16.172	194.15.942	194.13.434	194.15.516
1 / 2 days							5 / 10 days
194.13.501	194.13.894	194.15.572	194.16.672	194.14.863	194.16.449	194.13.826	194.13.700
5 / 10 days							5 / 10 days

Protection Railings

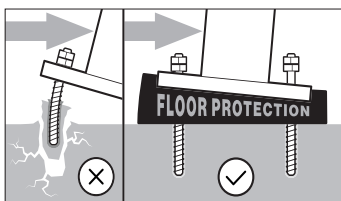


- Indoor and Outdoor use
- UV resistant Polyurethane
- Deflects up to 10 degrees
- Quickly and easily installed
- Can be fitted retrospectively
- TUV-tested according to DGUV 108-007

BLACK BULL FLEX Impact Protection System



* Max. force absorption.
For details please request data sheets.



A unique and patented shock absorbing feature which is incorporated into the upright posts of the Railing Systems. This is achieved by the addition of a polyurethane pad which is UV, weather and temperature resistant. The pad enables the Guard Rails to deflect up to 10 degrees. This enables the railing system to absorb shocks and impacts whilst damage is reduced significantly and still protects pedestrians, machinery etc.

Reduces repairs and damage to floors.

Full information on posts and lateral rails can be found on pages 20–21.

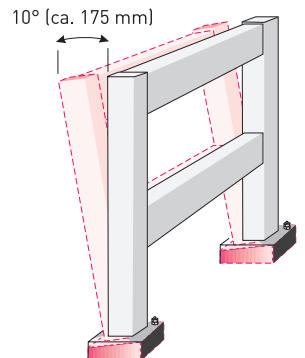


Maximum inclination:

Post height 540mm = 90mm deviation from vertical.

Post height 1,040 mm = 175mm deviation from vertical.

Installed using 4 chemi-anchors per post.



Shock absorbing pad

Dimension (mm) H x D x W	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
50 x 206 x 206	0.6	422.21.456	5 / 10 days

Chemical anchor set (Set of 8)

Dimension (mm) H x D x W	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
10/170	2.0	109.20.858	1 / 2 days



- Indoor use
- Quickly and easily installed
- Can be fitted retrospectively
- Manual and Self-closing versions



BLACK BULL Railing Gate – Manual or Self-closing styles.

The **BLACK BULL Railing Gate** has been designed specifically for use with our MD and HD Railing Systems being identical for both systems with the exception of the fittings. The manual style gates are designed to fix to End Posts, Centre Posts or Corner Posts. The newly introduced self-closing gate has its own specifically designed installation post (see table).

Both styles can be hung either on the left-hand side or the right-hand side and can be opened up to 90° either inwards or outwards. This range of options ensures that the **BLACK BULL Railing Gate** range is even more versatile and will suit most applications.

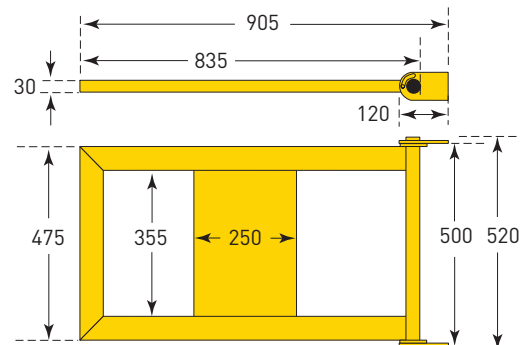
Manufactured from high quality steel with a welded protective panel for additional strength, better visibility and to which a warning sign can be attached if required. (Sign not supplied).

Two styles:

- For manual opening and closing. No need for special posts – gate fits all posts.
- Gas-spring powered self-closing action. Requires separate installation post (see table).

Specification:

Gate size:	835 x 475 mm
O/all size:	905 x 520 mm
Frame profile:	60 x 30 mm
Wall thickness:	2 mm
Protective panel:	250 x 355 mm
Finish:	Powder coated
Colour:	Yellow:



Gate	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
HD – Manual	12	194.29.743	5 / 10 days
MD – Manual		194.20.653	
HD – Self closing	30	194.26.359	5 / 10 days
MD – Self closing		194.28.624	



Protection Railings

Collision Protection



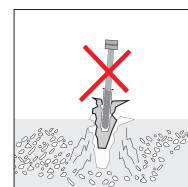
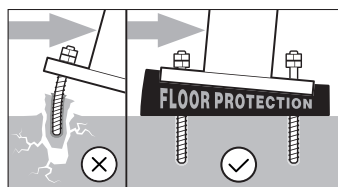
BLACK BULL FLEX Impact Protection System Hybrid



Description	Support Posts, Steel 1,040 x 100 x 100mm		
	End Post	Centre Post	Corner Post
Delivery weight (kg/ea.)	14	14	14
Powder coated	203.29.934	203.20.790	203.22.221
Typical despatch time (working days)	5 / 10 days		
Hot dip galvanised and powder coated	203.22.248	203.28.846	203.20.486
Typical despatch time (working days)	5 / 10 days		



* Due to the dynamic absorption effect an exact force absorption can only be determined to a limited extent. For details please request data sheet.





The **BLACK BULL FLEX HYBRID**

System offers the best of both worlds – a practical combination of the advantages of steel and plastic.

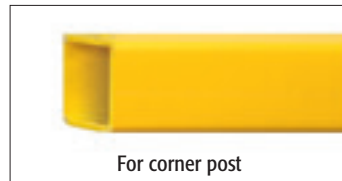
Most plastic railings systems must have the posts secured with steel plates featuring welded studs. In short, to provide the required stability, the posts are fitted internally with steel components.

Our solution: A hybrid railing system that combines the advantages of steel with those of plastic, combining yielding steel posts with equally yielding PP plastic lateral rails.

The posts are equipped with our patented PU pads which allow the posts to deflect to a maximum angle of 10°



For end and centre posts



For corner post

(approx. 17.5cm), and which reduce the forces that are transmitted through the post to the floor. Lateral rails are manufactured from a tough grade of Polypropylene (PP) which is highly resistant to impact stresses. The whole assembly protects personnel, vehicles and property and reduces the incidence of repair costs to floors.

The above factors result in an eye catching black and yellow heavy-duty railing system suitable for either indoor or outdoor installation.

Surface mounting only.

Specification:

Posts:

Material: Steel
Dimensions: 1,040 x 100 x 100 mm
Wall thickness: 3mm
Base plate: 200 x 200 x 10 mm
Finish: Internal – Powder coated
External – Hot Dip Galvanised and Powder coated.

Colour: Black

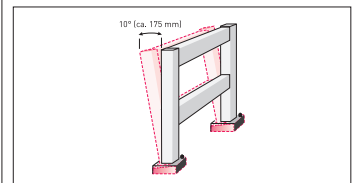
Lateral rails:

Material: Polypropylene (PP)
Dimensions: 74 x 52 x 5 mm
Lengths: 1,500, 2,000 and 2,300 mm

Colour: Yellow

Installed using 4 chemi-anchors per post.





- For Indoor and Outdoor use
- Steel and Plastic construction
- Superior heavy-duty design
- Modular construction for customised applications
- Quick and easy installation
- TUV-tested according to DGUV 108-007





Option: Steel under-run protection bar 76mm Ø x 86mm high.

Base plates 130 x 70 x 40mm.

Colour yellow.

Description	Lateral Rails, Polypropylene (mm)			
	1,000	1,500	2,000	2,300
				
Delivery weight (kg/ea.)	2.25	3	3.5	4
For End and Centre posts	203.22.870	203.27.147	203.21.049	203.26.648
Typical despatch time (working days)	5 / 10 days			
For Corner posts 45° bevel one side	203.28.997	203.29.688	203.21.999	203.20.533
Typical despatch time (working days)	5 / 10 days			

Fixing set			
Dimensions (mm) Ø x L	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
10/170	2.0	109.20.858	1 / 2 days

Description	Under-run protection bar – Steel		
	1,250mm	1,750mm	2,050mm
			
Delivery weight (kg/ea.)	10	13	16
Powder coated	203.29.159	203.21.033	203.20.865
Typical despatch time (working days)	5 / 10 days		
Hot dip galvanised and powder coated	203.24.056	203.27.061	203.29.733
Typical despatch time (working days)	5 / 10 days		
Fixing bolts per length	4	6	6

Fixing methods	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Surface fixing bolt S12 8/100, S. 36	0.2	109.17.393	1 / 2 days
Through bolt 12/120, S. 36	0.3	109.24.665	1 / 2 days

Protection Railings

BLACK BULL Railing Gate for hybrid railing system



Collision Protection

The BLACK BULL Railing Gate has been designed specifically for use with the BLACK BULL Hybrid Railing System. Manufactured in high quality steel, the gate can be installed to hang either left-hand or right-hand side, and the unique hinge feature allows it to be opened either inwards or outwards up to 90°. It also features a welded panel for extra strength, better visibility, and can be used to feature a warning sign if required. (sign not supplied).

Two versions:

- **NEW:** Can be opened and closed manually.
- Self-closing by means of gas cylinder.

- For indoor installation only
- High quality steel construction
- Self-closing operation
- Warning sign panel

Specification:

Gate size:	835 x 475 mm
O/all Size:	905 x 520 mm
Frame profile:	60 x 30 mm
Wall Thickness:	2 mm
Protective panel:	250 x 355 mm
Finish:	Powder coated
Colour:	Gate Yellow Post Black



Gate	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Manual closing with installation post	32	203.25.471	5 / 10 days
Self-closing with installation post	30	203.29.398	

TRAFFIC-LINE Pallet Racking Protectors Plastic



Impact Protection for pallet racking uprights manufactured from high quality polyethylene. Easily and quickly secured by two Velcro straps – no drilling into the floor required.

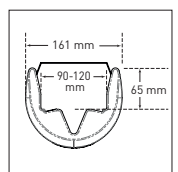
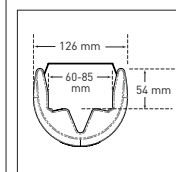
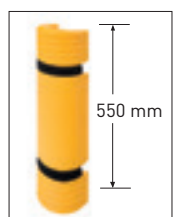
- For racking uprights 60 to 85mm and 90 to 120 mm.
- Fixing by Velcro tape.
- Protects floor from damage.
- Recyclable.

- Flexible cushioning
- Dimensionally stable
- Installed without tools
- TUV approved
- Meets requirements of DIN EN 15512

Dimensions (mm) 550 x 126 x 104 and 550 x 161 x 115.

Note:

According to DGUV Rule 108-007 (formerly BGR 234) plastic impact protection products associated with pallet racking uprights should not be used on corners or passageways. In this situation it is recommended to use steel protection bolted to the floor.



For racking upright dimensions	Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
60 – 85 mm	550 x 126 x 104	1	197.29.201	1 / 2 days
90 – 120 mm	550 x 161 x 115	1.5	197.22.285	5 / 10 days



- For indoor use only
- Semi rigid or flexing versions
- Absorbs impact forces
- High quality steel and polypropylene (PP)
- TUV-tested according to DGV 108-007

Collision Protection



BLACK BULL
Protection Barrier
Individual
Hybrid



The **BLACK BULL** Protection Barrier-Individual comprises two high quality steel posts and three polypropylene (PP) lateral rails which are produced in two versions to suit various installations:

- Rigid steel posts with polypropylene (PP) lateral rails.
- Steel posts with PU pads which allow for 175 mm maximum deflection with lateral rails in polypropylene (PP) material.

The first option allows for impact forces to be absorbed by the lateral rails, whilst the second option allows for impact

forces to be absorbed by the combination of the lateral rails, the posts and our unique PU pad thus reducing transfer of the impact forces to the floor which reduces cost of repairing the floor etc. The BLACK BULL Protection Barriers-Individual have been specifically designed to protect personnel in small vulnerable areas found in workplaces, walkways, entrance and exit areas etc.

Specification:

Posts for fixing direct to floor:

Dimensions: 1,000 x 100 x 100 mm

Posts with Flex-Pad:

Dimensions: 1,040 x 100 x 100 mm

Wall thickness: 3 mm

Base plate: 200 x 200 x 10 mm

Finish: Powder coated

Colour: Black

Lateral rails:

Material: Polypropylene (PP)

Dimensions: 74 x 52 x 5 mm Wall

Lengths: 1,100, 1,600 and 2,100

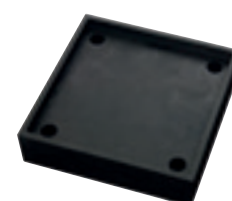
Colour: Yellow

Pad for full flexible version:

Material: Polyurethane (PU)

Size: 206 x 206 x 50 mm

Colour: Black



PU Shock absorber

Description	Dimensions (mm)		Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	H x W (mm)	Assembled width (mm)			
Rigid without PU Flex-Pad	1,000 x 1,100	1,000	36	203.25.210	10 / 15 days
	1,000 x 1,600	1,500	37.5	203.20.990	
	1,000 x 2,100	2,000	38	203.21.654	
Through bolt anchor 12/120 (8 per barrier)			0.3	109.24.665	
Flexible style with PU Flex-Pad	1,040 x 1,100	1,000	36.5	203.27.069	10 / 15 days
	1,040 x 1,600	1,500	38	203.27.747	
	1,040 x 2,100	2,000	38.5	203.26.585	
Chem. Anchor Set 10/170 (1 Set per barrier)			2.0	109.20.858	




Protection Railings

Collision Protection



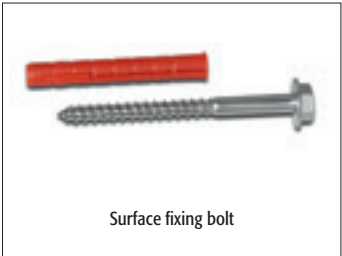
BLACK BULL Impact Guard Rails



Description	Support Post
	
Delivery weight (kg/ea.)	9.5
Powder coated	198.22.571
Typical despatch time (working days)	
Hot dip galvanised and powder coated	198.27.574
Typical despatch time (working days)	



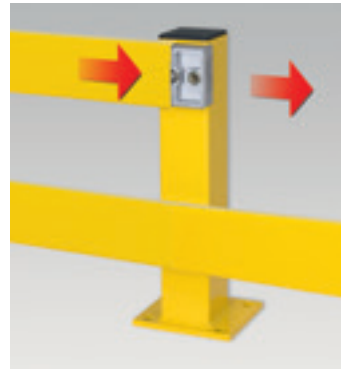
* Max. force absorption. For details please request data sheets.



Surface fixing bolt



Through bolt anchor



- Indoor and Outdoor use
- High quality steel
- Strong 'C' section rails
- Quickly and easily installed
- Innovative assembly method
- TUV-tested according to DGUV 108-007

BLACK BULL Impact Guard Rails provide a most effective and efficient method of protecting property, machinery and plant from damage by moving traffic. Extremely resilient to collisions from vehicular traffic.

Innovative connection system enables assembly by one man. Modular construction ensures the system is very easily extended/modified.

Specifications:

Support post: 465 x 80 x 80 mm
3 mm Wall thickness
With Black cap

Base plate: 160 x 140 x 10 mm

Rails: 'C' Profile, 100 x 40 mm
3 mm Wall thickness

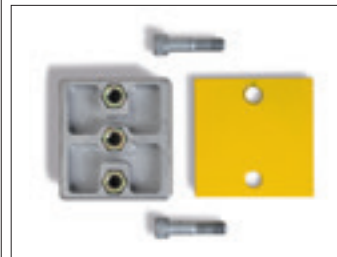
Finish:

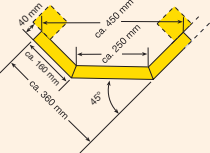
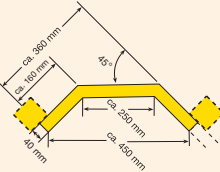

For Outdoor use: Hot Dip Galvanised and Powder coated yellow.

For Indoor use: Powder coated yellow.

Option: Hot Dip Galvanised only.

Fixed 90° external and internal corner rails or alternatively an adjustable knuckle is available for adjustment between 90° and 180°.



Rail C-profile 100 x 40 x 3mm				Angle rail External Corner	Angle rail Internal Corner	Adjustable Knuckle Variable 90° to 180°
1.000	1.200	1.500	2.000			
						
9	11	13.5	17.5	6	6	2
198.21.933	198.21.114	198.26.826	198.26.176	198.23.160	198.26.087	198.22.565
5 / 10 days						
198.23.147	198.23.683	198.22.929	198.20.197	198.24.064	198.26.165	–
5 / 10 days						

Accessories	Dimensions (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
End cap for rails, black		0.1	198.26.315	5 / 10 days
Mounting plates for rails, Alu, hot dip galvanised and powder coated		1.5	198.25.794	
Surface fixing bolt S12 – (4 per post)	8/100	0.2	109.17.393	1 / 2 days
Through bolt anchor (4 per post)	12/120	0.3	109.24.665	

Protection Railings



- Indoor and Outdoor use
- UV resistant Polyurethane
- Deflects up to 10 degrees
- Quickly and easily installed
- Can be fitted retrospectively
- TUV-tested according to DGUV 108-007

BLACK BULL FLEX Impact Guard Rails



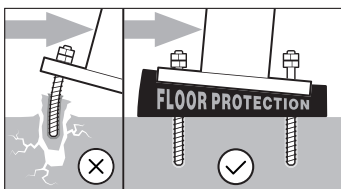
A unique shock absorbing feature which is incorporated into the upright posts of the Guard Rail System. This is achieved by the addition of a polyurethane pad which is UV, weather and temperature resistant. The pad enables the Guard Rails to deflect up to 10 degrees. This allows the railing system to absorb shocks and impacts whilst damage is reduced significantly.

Reduces repairs and damage to floors.

Full information on Guard Rails can be found on pages 28–29.



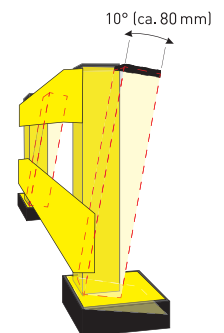
* Max. force absorption.
For details please request data sheets.



Maximum inclination:

Post height 505mm =
80mm deviation from vertical.

Installed using 4 chemi-anchors per post.
Can also be used with MD railings, see pages 20–21.



Shock absorbing pad for post

Dimension (mm) H x D x W	Delivery weight. (kg/ea.)	Reference	Typical despatch time (working days)
10/170	2.0	109.20.858	5 / 10 days

Chemical ancor set (Set of 8)

Dimension (mm) H x D x W	Delivery weight. (kg/ea.)	Reference	Typical despatch time (working days)
50 x 146 x 166	0.4	422.23.497	1 / 2 days



- Indoor use
- High quality steel tube
- Available in various lengths
- Individual elements or continuous length installations
- Integrated cable/hose conduit



BLACK BULL Raised Collision Protection Bars



This innovative Collision Protection system is ideal for separating traffic lanes and for protecting personnel, work areas, equipment and machinery etc.

The **BLACK BULL Raised Collision Bars** are manufactured in high quality thick walled steel tubes which are welded to metal uprights. These are then welded onto solid steel base plates 10mm thick. All metal work is powder coated yellow with black moulded plastic plugs inserted in the tube ends.

The Collision Bars are available in standard lengths which can, if required, be made into longer continuous lengths by means of connecting adapters. Please advise at time of ordering.

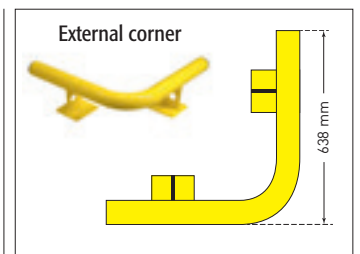
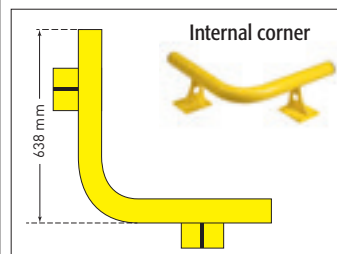
BLACK BULL Raised Collision Bars are secured to the floor with rawl plug bolts or through bolts. (Supplied separately).

A 50 mm Ø hole is drilled into each upright which provides a conduit for cables/airlines etc. up to 48 mm Ø.

Specification:

Diameter: 76 mm Ø
Wall thickness: 3 mm
O/all height: 200 mm
Base plate: 160 x 140 x 10 mm
Finish: Powder coated
Colour: Yellow

Available in special lengths (on request)



**Can be upgraded to FLEX version:
Max. yield angle 10°.**

Description		Number of bolts required	Dimensions (mm) H x L	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Raised Collision Bars		8	200 x 1,000 x 160	12.5	202.29.766	5 / 10 days
			200 x 1,500 x 160	15	202.24.306	
		12	200 x 2,000 x 160	20.5	202.27.522	
Corner element	External corner	8	200 x 638 x 638	12.5	202.27.943	
	Internal corner				202.24.284	
Connecting Adapter				0.5	202.29.983	1 / 2 days
End cap, black				0.1	202.20.854	
Surface fixing bolt S12				0.2	109.17.393	
Throughbolt anchor				0.3	109.24.665	

Bollards



- For Indoor and Outdoor use
- High quality steel
- Heavy duty protection
- Thick wall gauge
- Highly visible yellow and black marking



BLACK BULL Heavy Duty Bollards



* Max. force absorption.
For details please request data sheets.

A comprehensive range of Heavy Duty bollards with a wide range of protective capabilities, designed to meet most eventualities ranging from medium to extremely heavy impacts.

Produced in high quality steel, these bollards are highly suitable for protecting storage areas, traffic routes and work areas. They are also useful in protecting machinery, pillars, loading ramps and bays, entrances etc.

Types L to 3XL are particularly suitable for areas of high risk of collisions such as HGV and forklift traffic, driveways, corners of buildings etc. Type S is usually employed where space is restricted.

The Type S Bollard can also be fitted with our patented FLEX Pad. See page 22 for FLEX Pad details.

NEW: Heavy Duty Bollard size 323 mm Ø x 6.3 m wall thickness designed for extremely heavy impact resistance.

Type XXL and 3XL are equipped with a removable cap, which enables the bollard to be filled with concrete when installed in situ if required.

Finish:

Hot Dip Galvanised and powder coated yellow with black bands.

Hot Dip Galvanised and powder coated white with red bands.

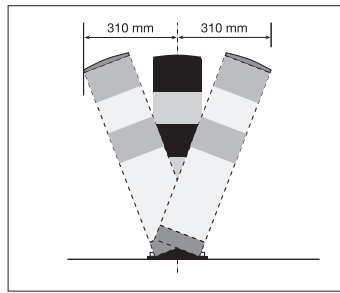
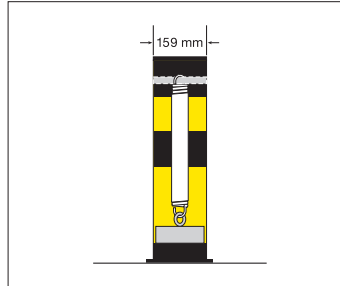
Note:

We can also supply removable and/or lockable versions of the range by triangular key or cylinder lock. Bollards from type L upwards are supplied with lifting aid feature. Please ask for details (Except Type XXL and 3XL).



Model	Dimensions (mm) Ø x WT x height	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
S	Surface fix Base plate 200 x 200 x 10 mm	yellow-black	14.5	199.19.943*	1 / 2 days
		white-red		199.29.625*	5 / 10 days
	Root fix	yellow-black	16.5	199.17.454	1 / 2 days
		white-red		199.88.378	5 / 10 days
L	Surface fix Base plate 250 x 250 x 15 mm	yellow-black	33.5	199.16.549*	1 / 2 days
		white-red		199.88.077*	5 / 10 days
	Root fix	yellow-black	35.5	199.15.852	1 / 2 days
		white-red		199.88.026	5 / 10 days
XL	Surface fix Base plate 250 x 250 x 15 mm	yellow-black	42	199.15.151*	5 / 10 days
	Root fix		44	199.19.836	
XXL	Surface fix Base plate 350 x 350 x 15 mm		51	199.19.146*	
	Root fix		53	199.13.769	
3XL	Surface fix Base plate 450 x 450 x 15 mm		89.6	199.22.056	
	Root fix		85.5	199.24.742	
Surface fixing bolts for models S + L (4 per bollard)			0.2	109.18.268	1 / 2 days
Surface fixing bolts for models XL + XXL (4 per bollard), 3XL (8 per bollard)			0.3	109.14.550	

* TUV tested variant

BLACK BULL FLEX Heavy Duty Bollards

The "smart" protection bollard – yields up to 25° from centre when hit helping to reduce damage to bollard, vehicle and floor.

A combination of internal spring and an elastic polyurethane (PU) buffer effectively absorbs the impact force (progressive force absorption), and returns the bollard to original upright position. Ideal for the protection of high traffic areas, loading bays, site entrances etc.

Specifications:

159 mm Ø
4.5 Wall thickness
Base plate: 270 mm Dia. x 10 mm



- For Indoor and Outdoor use
- High quality steel
- Heavy duty protection
- Flexes up to 25° and returns to the vertical
- Highly visible yellow and black marking

Finish:

Indoor use: Powder coated yellow with black bands.
Outdoor use: Hot Dip Galvanised & powder coated yellow with black bands.

Finish	Dimensions (mm) H x Ø	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Powder coated	665 x 159	18	199.23.867	5 / 10 days
Hot dip galvanised			199.28.165	
Powder coated	965 x 159	26	199.25.732	
Hot dip galvanised			199.27.906	

Root fixing adapter, Size 200 x 200 x 10mm, 76 Ø	5	199.25.395	
Surface fixing bolt S12 (4 per bollard)	0.2	109.17.393	1 / 2 days
Through bolt anchor (4 per bollard)	0.3	109.24.665	

BLACK BULL FLEX Heavy Duty Bollards, rotating

Utilising the same technology as the FLEX bollard but with the addition of six heavy duty ball-bearings housed in the bollards base, which enable the bollard to rotate freely on its heavy-duty steel base plate. This additional feature enables the bollard to flex and to rotate if impacted.

The result is that the bollard yields to frontal impacts, whilst lateral impacts are deflected by the rotational action, thus reducing costly damage to property and vehicles.

- Indoor use
- High quality steel
- Energy absorption
- Flexes and rotates
- Self-righting

Manufactured from high grade steel, the bollard flexes up to a maximum of 25° (approx. 310mm) from the vertical, then will return automatically to the up-right position.

Ideal for protecting roller shutters, fire gates, ramps, crossings etc.

Specifications:

159 mm Ø
4.5 mm Wall thickness
Base plate: 270 mm Ø x 35 mm

Finish:

Powder coated yellow with black bands.
Standard fixing – Surface.
Sub-surface fixing available.



Finish	Dimensions (mm) H x Ø	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Powder coated	700 x 159	36	199.22.128	5 / 10 days
	1,000 x 159	42	199.25.417	

Hoop Guards

48 mm

Collision Protection



- Indoor and Outdoor use
- Additional reinforcing bar
- Four mounting options
- Various widths available
- Highly visible

TRAFFIC-LINE Steel Hoop Guards

Protect and segregate pedestrians, machinery and other zones from works vehicles etc.

Manufactured from 48 mm Ø high quality steel tube with additional knee-bar for additional strength and rigidity, and finished in eye catching black/yellow powder coating.

Finish :

For Outdoor use: Hot dip galvanised and powder coated yellow with black bands.

For Indoor use: Powder coated yellow with black bands.

Diameter:

48 mm Ø x 2 mm wall thickness.

Mounting options:

For surface fixing:

Base plate: 160 x 70 x 10 mm

For wall fixing (permanent):

2 x mounting plates with pre-drilled fixing holes.

For root fixing:

As per the details for permanent wall mounting, utilising welded mounting plates as ground anchors.

For wall fixing (removable):

2 x sockets with mounting plates pre-drilled fixing holes.

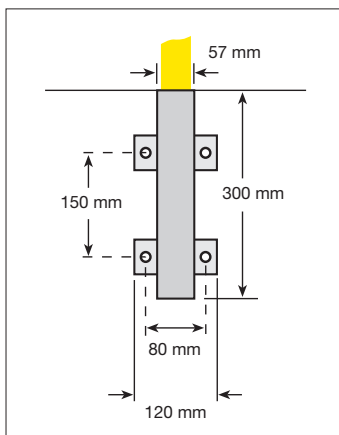
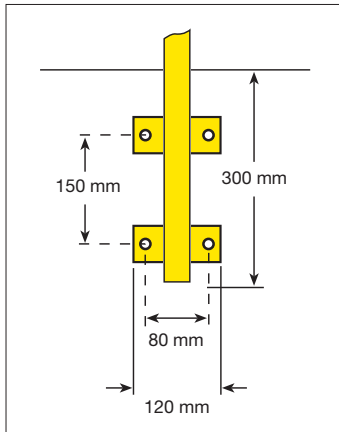
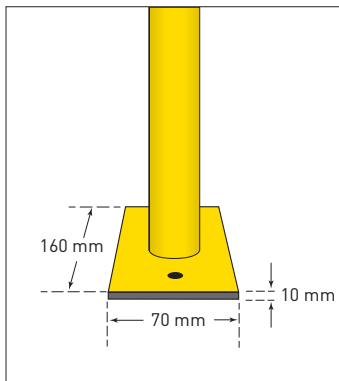
Additional options:

Galvanised only, special lengths and colours.

NEW:

Gate for Hoop Guards, see page 37.





Descripton	Height/length (mm)	Finish	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Floor mounting With mounting plates 160 x 70 x 10 mm Yellow with black bands	1,000 x 1,000	Powder coated	10	201.14.228	1 / 2 days
		Hot dip galvanised and Powder coated		201.15.512	
	1,000 x 1,500	Powder coated	12.5	201.15.794	
		Hot dip galvanised and Powder coated		201.17.982	
	1,000 x 2,000	Powder coated	15	201.14.465	
		Hot dip galvanised and Powder coated		201.13.553	
Through bolt anchor (4 per bollard)			0.3	109.24.665	
Surface fixing bolt S12 8/100 (4 per guard)			0.2	109.17.393	
Wall or roof fixing Yellow with black bands	1,300 x 1,000	Powder coated	10.5	201.23.846	5 / 10 days
		Hot dip galvanised and Powder coated		201.23.287	
	1,300 x 1,500	Powder coated	13	201.21.475	
		Hot dip galvanised and Powder coated		201.27.174	
	1,300 x 2,000	Powder coated	15.5	201.20.276	
		Hot dip galvanised and Powder coated		201.24.456	
Through bolt anchor (4 per bollard)			0.3	109.24.665	
Surface fixing bolt S12 8/100 (4 per guard)			0.2	109.17.393	
Wall or roof fixing (Removable) Yellow with black bands	1,300 x 1,000	Powder coated	10.5	201.25.003	5 / 10 days
		Hot dip galvanised and Powder coated		201.20.059	
	1,300 x 1,500	Powder coated	13	201.22.243	
		Hot dip galvanised and Powder coated		201.27.829	
	1,300 x 2,000	Powder coated	15.5	201.21.658	
		Hot dip galvanised and Powder coated		201.21.335	
Wall socket (2 per guard) 120 W x 300 H		Hot dip galvanised	2.5	201.27.454	
Through bolt anchor (4 per bollard)			0.3	109.24.665	5 / 10 days
Surface fixing bolt S12 8/100 (4 per guard)			0.2	109.17.393	1 / 2 days

Hoop Guards



- For indoor and outdoor use
- With knee bar
- High Quality



TRAFFIC-LINE Steel Hoop Guards – XL



Manufactured from High Quality steel in 60 mm Ø tube with additional knee bar for extra strength and rigidity, these Hoop Guards are ideal for many applications such as delineation of danger zones, highlighting and guidance in situations that allow access onto trafficked areas etc. Ideal for indoor and outdoor use.

Finish:

- For Outdoor use: Hot Dip Galvanised
Hot Dip Galvanised and Powder coated white with red reflective bands
Hot Dip Galvanised and Powder coated yellow with black bands

- For indoor use:
Powder coated white with red reflective bands
Powder coated yellow with black bands

Diameter:

60 mm Ø x 2 mm wall thickness

Mounting options:

- Surface fixing:
Base plate: 160 x 70 x 10mm

- Root fix

Option: Removeable with one-sided triangular lock see page 140.

For version with gate see page 37.

			Hot Dip Galva- nised	White-red Powder coated	Yellow-black Powder coated	Hot Dip Galvanised and white-red Powder coated	Hot Dip Galvanised and yellow-black Pow- der coated	Typical despatch time (working days)
Description	Height/length (mm)	Delivery weight (kg/ea.)	Reference	Reference	Reference	Reference	Reference	
Surface fix	1,000 x 1,000	16.5	201.29.045	201.28.374	201.23.679	201.25.647	201.27.967	5 / 10 days
	1,000 x 1,500	20.5	201.24.773	201.22.862	201.25.753	201.23.395	201.27.231	
	1,000 x 2,000	24.5	201.23.416	201.23.326	201.27.286	201.27.952	201.26.905	
Root fix	1,300 x 1,000	17.1	201.26.314	201.28.501	201.22.774	201.26.078	201.26.520	
	1,300 x 1,500	21.2	201.21.606	201.29.033	201.24.601	201.26.437	201.25.180	
	1,300 x 2,000	25.4	201.25.741	201.23.765	201.24.544	201.24.995	201.25.661	
Through bolt 12/120 (4 per Unit)							109.24.665	1 / 2 days
Surface fixing bolt with Sleeve 8/100 (4 per Unit)							109.17.393	



TRAFFIC-LINE Steel Hoop Guard *with Gate*



Designed specifically for use with TRAFFIC-LINE Steel Hoop Guards and Steel Hoop Guards XL, these gates are manufactured in high quality steel complete with welded in panel for extra strength which can be used for attaching warning signs (signs not supplied).

The gate is attached to either the 48 mm or 60 mm Ø Hoop Guard by a pre-assembled adapter bracket. The gate can be operated either manually or self-closing by means of a gas cylinder. The unique fitting technology enables the gate to hinge to either the left or to the right and allow the gate to open (90°) inwards or outwards. Supplied with a 1 metre wide Hoop Guard.

Finish:

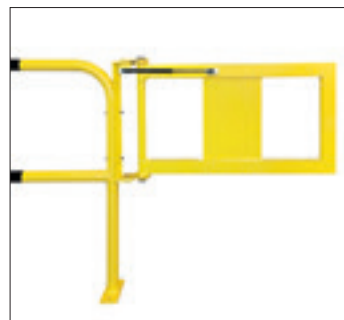
Powder coated yellow.

- Indoor use only
- For 48 and 60 mm Ø Hoop Guards
- Manual and Self-closing options

Option:

Can be retrofitted to existing installations.

For gate dimensions see page 23.



TRAFFIC-LINE Steel Hoop Guards – *Light Duty*



Collision Protection

These additions to our popular range of Hoop Guards are manufactured in 40mmØ steel with a 1.5mm wall thickness. Ideal for areas which require less heavy protection as provided by our standard range of Hoop Guards. Intended for indoor use only they are finished in an eye-catching powder coated yellow with black bands. Quickly and easily installed using 8 fixing bolts per guard.

Ideal for use in segregating work zones in factories and warehouses etc.

Finish:

Indoor use only:
Powder coated yellow with black bands.

Diameter:

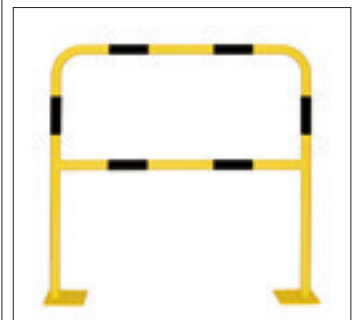
40mm Ø x 1.5mm wall thickness.

- Indoor use only
- Available in various widths
- With reinforcing bar
- Cost effective

Mounting method:

For surface fixing:

Base plate 150 x 150 x 6 mm.



	Gate	Dimensions (mm) Ø x Height x Width	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Gate-powder coated with pre-assembled adapter for fitting to hoop guard	Manual	48 x 1,000 x 1,920	22.5	201.22.589	5 / 10 days
		60 x 1,000 x 1,920	28	201.25.603	
	Self-closing with gas cylinder	48 x 1,000 x 1,920	22.5	201.21.134	
		60 x 1,000 x 1,920	28	201.28.583	
Through bolt 12/120 (4 per Unit)				109.24.665	1 / 2 days
Surface fixing bolt with Sleeve 8/100 (4 per Unit)				109.17.393	

Description	Height/length (mm)	Delivery weight. (kg/ea.)	Reference	Typical despatch time (working days)
Floor mounting With mounting plates 150 x 150 x 6 mm	1,000 x 1,000	9	201.24.623	1 / 2 days
	1,000 x 1,500	11	201.28.976	
	1,000 x 2,000	13	201.25.587	5 / 10 days
Through bolt anchor (4 per bollard)			109.24.665	1 / 2 days
Surface fixing bolt S12 8/100 (4 per guard)			109.17.393	

Hoop Guards



- For Indoor and Outdoor use
- High quality steel
- High impact resistance
- Highly visible yellow/black markings
- Easily installed
- TUV-tested according to DGUV 108-007

BLACK BULL Protection Guards



Manufactured from seamless high quality tube, these guards are bent as one piece to provide strong and effective collision protection in vehicle routes, work and inventory areas. They can be used for separating vehicle and pedestrian routes, protect machinery, pillars, racking, loading ramps etc.

Specification:

76 mm Ø x 3 mm Wall

Base Plate: 160 x 140 x 10 mm

(Drilled 4 fixing holes)



* Max. force absorption.
For details please request data sheets.

Powder coated				
Description	Height/length (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Yellow with base plate	350 x 375	10	195.15.621	5 / 10 days
Yellow/black bands with base plate	350 x 750	12	195.14.450	1 / 2 days
	350 x 1,000	13	195.14.589	
	350 x 2,000	17	195.29.703	5 / 10 days
	600 x 750	14	195.18.515	1 / 2 days
	600 x 1,000	16	195.18.943	
	600 x 2,000	19	195.23.098	5 / 10 days
	1,200 x 750	20	195.19.573	1 / 2 days
	1,200 x 1,000	22	195.17.903	
	1,200 x 2,000	25.5	195.21.170	5 / 10 days
Through bolt anchor size 12/120 (8 per guard)		0.3	109.24.665	1 / 2 days
Surface fixing bolt size 8/100 (8 per guard)		0.2	109.17.393	

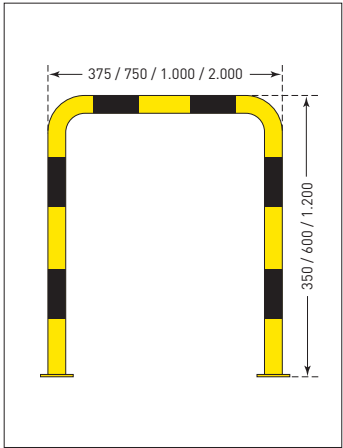


Collision Protection

Finish:
Indoor use: Powder coated yellow with black bands.
Outdoor use: Hot Dip Galvanised and powder coated yellow with black bands.

Root-fix versions, special sizes and colours can be manufactured to order. Please ask for details.

Option:
Sub-Surface adapter plates.



Hot dip galvanised and powder coated				
Description	Height/length (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Yellow with base plate	350 x 375	10	195.18.233	5 / 10 days
Yellow/black bands with base plate	350 x 750	12	195.16.265	1 / 2 days
	350 x 1,000	13	195.13.499	
	350 x 2,000	17	195.22.846	5 / 10 days
	600 x 750	14	195.17.623	1 / 2 days
	600 x 1,000	16	195.19.157	
	600 x 2,000	19	195.28.325	5 / 10 days
	1,200 x 750	20	195.17.296	1 / 2 days
	1,200 x 1,000	22	195.18.822	
	1,200 x 2,000	25.5	195.28.003	5 / 10 days
Sub-surface adapter plate including bolts	160 x 140 x 10 mm Length: 330 mm	4	195.28.577	1 / 2 days
Through bolt anchor size 12/120 (8 per guard)		0.3	109.24.665	
Surface fixing bolt size 8/100 (8 per guard)		0.2	109.17.393	

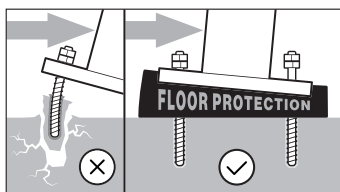
Hoop Guards



- For Indoor and Outdoor use
- High quality steel
- Shock absorbing features
- UV and temperature resistant pads
- Highly visible yellow and black marking
- TUV-tested according to DGUV 108-007



BLACK BULL FLEX Protection Guards



A unique and patented development of our standard **BLACK BULL** Protection Guards that features the strength and protective attributes of steel combined with the ability to flex up to 10° from the vertical, reducing the incidence of damage and the need for repairs to both guard and vehicle. This is achieved by equipping the guard with flexible shock absorbing polyurethane (PU) pads. These pads are UV, weather and temperature resistant, making them suitable for indoor and outdoor use.

- Flexible and yielding guard
- Flexes up to 10° from vertical
- Minimises damage to vehicles
- Reduces damage to floor

Specifications:

76 mm Ø x 3.0 mm Wall

Base Plate: 160 x 140 x 10 mm
(Drilled 4 fixing holes)

Finish:

Indoor use: Powder coated yellow with black bands.

Outdoor use: Hot Dip Galvanised and powder coated yellow with black bands.

Maximum inclination limits:

Height	Inclination
390 mm	55 mm
640 mm	95 mm
1,240 mm	190 mm



Upgradeable:

Existing **BLACK BULL** 76mm Ø Protection Guard installations can be upgraded. New chemi-anchor fixings will be required.



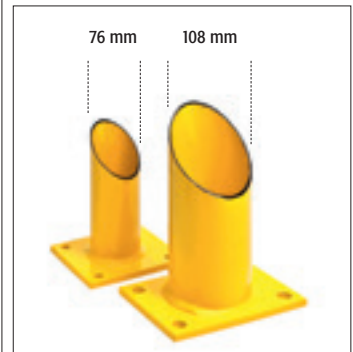
Powder coated				
Colour	Dimension (mm) H x W	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Yellow	390 x 375	10.6	196.21.558	5 / 10 days
Yellow with black bands	390 x 750	12.6	196.23.927	1 / 2 days
	390 x 1,000	13.6	196.20.479	
	390 x 2,000	17.6	196.23.138	5 / 10 days
	640 x 750	14.6	196.27.339	1 / 2 days
	640 x 1,000	16.6	196.29.617	
	640 x 2,000	19.6	196.28.884	5 / 10 days
	1,240 x 750	20.6	196.21.978	1 / 2 days
	1,240 x 1,000	22.6	196.21.739	
	1,240 x 2,000	26.1	196.27.054	5 / 10 days

Hot dip galvanised and powder coated				
Colour	Dimension (mm) H x W	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Yellow	390 x 375	10.6	196.24.195	5 / 10 days
Yellow with black bands	390 x 750	12.6	196.28.870	1 / 2 days
	390 x 1,000	13.6	196.28.678	
	390 x 2,000	17.6	196.29.639	5 / 10 days
	640 x 750	14.6	196.26.638	1 / 2 days
	640 x 1,000	16.6	196.21.658	
	640 x 2,000	19.6	196.20.921	5 / 10 days
	1,240 x 750	20.6	196.23.976	1 / 2 days
	1,240 x 1,000	22.6	196.29.532	
	1,240 x 2,000	26.1	196.22.922	5 / 10 days

Chemical anchors (Set of 8)	10/170	2.0	109.20.858	1 / 2 days
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- For Indoor and Outdoor use
- High quality steel
- Extremely strong protection
- Highly visible yellow and black marking
- TUV-tested according to DGUV 108-007



BLACK BULL Protection Guards XL



* Max. force absorption.

For details please request data sheets.

The **BLACK BULL** Protection Guards XL provide heavy duty protection to important and sensitive facilities in both indoor and outdoor situations.

Manufactured in high quality seamless tube it is highly suitable to protect columns, pillars, pipes, building structures, machinery and plant etc.

Specifications:

108 mm Ø x 3.6 mm Wall

Base Plate: 200 x 140 x 10 mm
(Drilled 4 fixing holes)

Finish:

Indoor use: Powder coated yellow with black bands.

Outdoor use: Hot Dip Galvanised and powder coated yellow with black bands.

Root-fix versions, special sizes and colours can be manufactured to order. Please ask for details.



Powder coated				
Colour	Dimensions (mm) H x W	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Yellow with base plate	600 x 650	17.5	195.23.294	15 / 20 days
Yellow/black bands with base plate	600 x 1,000	22	195.20.048	
	600 x 1,500	27.5	195.28.885	
	600 x 2,000	33.5	195.22.648	
	1,200 x 650	31	195.26.829	
	1,200 x 1,000	35	195.23.519	
	1,200 x 1,500	40.5	195.25.036	
	1,200 x 2,000	46.5	195.23.300	

Hot dip galvanised and powder coated				
Colour	Dimensions (mm) H x W	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Yellow with base plate	600 x 650	17.5	195.22.231	15 / 20 days
Yellow/black bands with base plate	600 x 1,000	22	195.23.338	
	600 x 1,500	27.5	195.28.652	
	600 x 2,000	33.5	195.20.481	
	1,200 x 650	31	195.27.565	
	1,200 x 1,000	35	195.26.554	
	1,200 x 1,500	40.5	195.26.278	
	1,200 x 2,000	46.5	195.28.961	

Surface fixing bolt (8 per guard)	16/140	0.3	109.14.550	1 / 2 days
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Hoop Guards

BLACK BULL

Protection Guards – Removable



Use **BLACK BULL** Removable Protection Guards wherever access is required from time to time to plant and machinery. These guards eliminate time consuming operations in removing permanently fixed Protection Guards

Specifications:

76 mm Ø x 3 mm Wall

Base Plate: 160 x 140 x 15 mm

(Drilled 4 fixing holes)

The **BLACK BULL** Removable Protection Guards are easily installed by means of the anchor plates which are secured to the floor with anchor bolts (4 per plate & available at extra cost), position the legs of the guard into the holes in the plates,

- For Indoor use
- High quality steel
- Strong effective protection
- Protect portable machinery and plant
- Highly visible yellow/black markings
- Quickly and easily installed

slide the flanges under the lip and secure with screws provided. Cover plates are provided to reduce the ingress of dirt etc.

Finish:

Indoor use: Powder coated yellow with black bands.

BLACK BULL

BLACK BULL

Protection Guards – with Under-run Protection



BLACK BULL Protection Guards – with Under-run Protection are to the same design and material specification as our **BLACK BULL** Protection Guards but with a 4 mm Gauge steel plate integrated into the hoop, designed to prevent fork-lift truck forks damaging property and personnel.

Particularly effective in applications such as in warehouses, distribution depots, storage areas etc.

Size:

76 mm Ø x 3 mm Wall

Base Plate: 160 x 140 x 10 mm

(Drilled 4 fixing holes)

Under-run plate heights:

150mm and 400mm

- For Indoor use
- High quality steel
- Strong effective protection
- Highly visible yellow/black markings
- Easily installed

Finish:

Indoor use: Powder coated yellow with black bands.

Root-fix versions, special sizes and colours can be manufactured to order. Please ask for details.



BLACK BULL

Dimensions (mm) H x W	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
350 x 750	12.5	196.15.471	5 / 10 days
350 x 1,000	13.5	196.17.299	
600 x 750	14.5	196.17.689	
600 x 1,000	16.5	196.19.365	
Surface fixing bolt S12 (8 per guard)	0.2	109.17.393	1 / 2 days
Through bolt anchor (8 per guard)	0.3	109.24.665	

Height of underrun protection plate (mm)	Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
150	350 x 750	14.5	196.16.857	5 / 10 days
	350 x 1,000	17.5	196.15.132	
400	600 x 750	24	196.17.125	
	600 x 1,000	29	196.17.619	
Surface fixing bolt S12 (8 per Guard)		0.2	109.17.393	1 / 2 days
Through bolt anchor (8 per Guard)		0.3	109.24.665	



- For Indoor and Outdoor use
- High quality steel
- Protects corners
- Withstands heavy impact forces

Collision Protection

BLACK BULL
Corner Protection Guards



Designed for protecting corners the **BLACK BULL** Corner Protection Guards manufactured in high quality 76mmØ seamless steel tube ensures a high degree of protection for vulnerable corners on vehicle routes, warehouses, production units etc. matching in with our **BLACK BULL** Protection Guards.

Specification:
76mm Ø x 3mm Wall
Base Plate: 160 x 140 x 10mm
(Drilled 4 fixing holes).

Finish:
Indoor use: Powder coated yellow with black bands, Powder coated white with red bands.

Outdoor use: Hot Dip Galv., powder coated yellow with black bands, Hot Dip Galv., powder coated white with red bands.

Root-fix versions, special sizes and colours can be manufactured to order. Please ask for details.



			Powder coated		Hot dip galvanised and powder coated	
Size (mm) H x W x D	Delivery weight (kg/ea.)	Colour	Reference	Typical despatch time (working days)	Reference	Typical despatch time (working days)
350 x 600 x 600	20	yellow-black	195.13.241	5 / 10 days	195.14.708	5 / 10 days
		red-white	195.28.711		195.24.042	
600 x 600 x 600	24	yellow-black	195.14.637		195.17.083	
		red-white	195.27.199		195.28.676	
1,200 x 600 x 600	34	yellow-black	195.17.512		195.13.874	
		red-white	195.27.817		195.20.484	
Through bolt anchor (12 per guard)					109.24.665	1 / 2 days
Surface fixing bolt S12 (12 per guard)					109.17.393	

Hoop Guards

BLACK BULL

Corner Protection Guards – with Under-run Protection



BLACK BULL Corner Protection Guards – with Under-run Protection are to the same design and material specification as our **BLACK BULL** Protection Guards but with a 4mm Gauge steel plate integrated into the hoop, designed to prevent fork-lift truck forks damaging property and personnel.

Particularly effective in applications such as in warehouses, distribution depots, storage areas etc.

Size:

76 mm Ø x 3 mm Wall

Base Plate: 160 x 140 x 10 mm
(Drilled 4 fixing holes)

Under-run plate heights:

150mm and 400 mm

Finish:

Indoor use: Powder coated yellow with black bands.

- For Indoor use
- High quality steel
- Strong effective protection
- Highly visible yellow/black markings
- Easily installed

Root-fix versions, special sizes and colours can be manufactured to order. Please ask for details.



BLACK BULL

Height of underrun protection plate (mm)	Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
150	350 x 600 x 600	22	196.22.305	5 / 10 days
400	600 x 600 x 600	34	196.27.835	
Surface fixing bolt S12 (12 per Corner Guard)		0.2	109.17.393	
Through bolt anchor (12 per Corner Guard)		0.3	109.24.665	

BLACK BULL

Corner Protection Guards XL



The **BLACK BULL** Corner Guards XL provide heavy duty protection for important and sensitive facilities such as areas of damage to building fabric, sensitive machinery and plant, heavy duty protection in traffic aisles in warehouses and logistics depots.

- For Indoor and Outdoor use
- High quality steel
- Extremely strong protection
- Highly visible yellow and black marking

Specifications:

108 mm Ø x 3.6 mm Wall.

Base Plate: 200 x 140 x 10 mm.
(Drilled 4 fixing holes)

Root-fix versions, special sizes and colours can be manufactured to order.

Please ask for details.

Finish:

Indoor use: Powder coated yellow with black bands.

Outdoor use: Hot Dip Galvanised and powder coated yellow with black bands.



BLACK BULL

Finish	Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Powder coated	600 x 900 x 900	42	195.23.857	15 / 20 days
Hot dip galvanised and powder coated			195.27.689	
Powder coated	1.200 x 900 x 900	55	195.27.431	
Hot dip galvanised and powder coated			195.23.796	
Surface fixing bolt S14 (12 per guard)		0.4	109.14.550	1 / 2 days



- For Indoor use only
- High quality steel
- Easily and quickly installed
- Low profile design
- Highly visible yellow and black marking

BLACK BULL Collision Protection Bars



BLACK BULL Collision Protection Bars provide low cost protection for plant and machinery from forklift trucks, roller containers, trolleys, pallet trucks etc. Additionally they can be used to protect shelving and wall mounted equipment such as instruments, switch cabinets, first aid equipment etc. Due to their low profile they allow easy pedestrian access to protected areas.

Manufactured from high quality seamless steel tube with 45° tapered ends and strong fixing plates 10mm thick.

Specifications:

76 mm Ø
3 mm wall thickness
Base plate: 130 x 70 x 10 mm

Finish:

Powder coated yellow with black bands.

Also available is a corner protection guard to the same high standards as the Collision Bars above.

Note:

We can supply special lengths and versions for root-fixing on request.

4 fixings required per straight bar.
6 fixings required per corner bar.



Description	Fixing bolts required per protector	Height/length (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Collision Protection Bars	4	86 x 400	5	199.13.478	1 / 2 days
		86 x 800	7.5	199.19.220	
		86 x 1,200	10	199.14.143	
Corner Collision Protection Bars	6	86 x 638 x 638	11	199.22.677	5 / 10 days
Through bolt anchor			0.3	109.24.665	1 / 2 days
Surface fixing bolt S12			0.2	109.17.393	

Machine and Rack Protection



- For Indoor use
- High quality steel
- Virtually indestructible
- Differing heights
- TUV-tested according to DGUV 108-007



BLACK BULL Pallet Racking Protectors Steel



Pallet racking protectors are required for fixed racking installations where industrial trucks are used (except where they are guided by rails). **BLACK BULL** Pallet Racking Protectors provide the ideal solution in most situations. They can also be used to protect machinery, partition systems, rectangular columns etc.

Conform to standards BGR 234 and DIN 4844.

Variants:

Right-angle: Two way protection.
U-profile: Three way protection.

Surface treatment:

Powder coated yellow with black striping.

Note:

According to DIN EN 15512 the minimum required height of pallet racking protectors is 400mm.

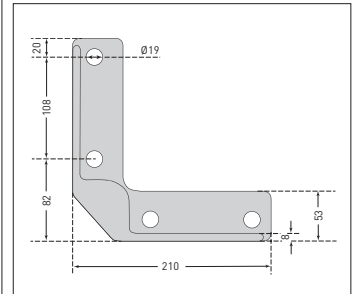


Description	Fixing bolts required per protector	Dimensions (mm) Height x W x Wall	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Right-angle 400	4	400 x 160 x 5	8	197.15.928	1 / 2 days
		400 x 160 x 6	9	197.13.182	
Right-angle 800		800 x 160 x 6	16	197.14.605	
Right-angle 1,200		1,200 x 160 x 6	22	197.18.380	
U-Profile 400	6	400 x 160 x 5	10	197.28.897	5 / 10 days
		400 x 160 x 6	11	197.18.365	
U-Profile 800		800 x 160 x 6	20	197.28.189	
U-Profile 1,200		1,200 x 160 x 6	26	197.88.004	
Surface fixing bolt S14			0.2	109.17.393	1 / 2 days
Through bolt			0.3	109.24.665	





- For indoor use
- Protects the floor
- Heavy-duty barrier
- High energy absorption
- TUV-tested according to DGUV 108-007



Collision Protection

BLACK BULL FLEX Pallet Racking Protector



Extremely sturdy, high-impact pallet racking protectors manufactured in high quality steel, equipped with energy absorption element moulded in polyurethane. The strong PU element with lateral protective edges absorbs impacts and protects the floor from damage. The black energy absorption PU element is UV-resistant and permanently elastic. Uses include logistics depots, warehouses, manufacturing units etc.

- Minimises damage from collision
- Absorption pad UV-resistant and permanently elastic
- Yields up to. 45 mm approx.
- Yield angle: 6.5°

Easily installed:

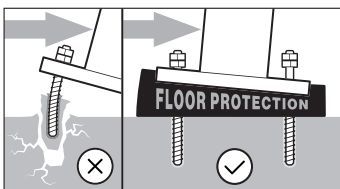
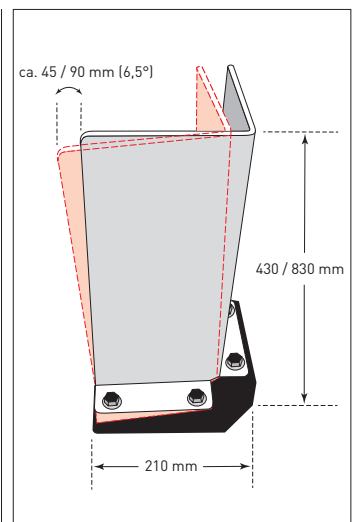
Position and align the collision pallet racking protector together with the 30 mm high energy absorption element (total height 430/830 mm), and bolt them to the floor using chemical fixing kit ref 109.20.858

Surface treatment:

Powder coated yellow with black striping

Upgrading options:

Already installed **BLACK BULL** right angle pallet racking protectors can be upgraded with PU elements; requires new anchoring with chemical fixing kit 109.20.858



Description	Fixing bolts required per protector	Dimensions (mm) H x W x WT	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Right-angle 400	4	430 x 160 x 5	8.5	197.25.180	5 / 10 days
Right-angle 800		830 x 160 x 6	16.5	197.25.566	

Fixing set			
Dimensions (mm) Ø x L	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
10/170	2	109.20.858	1 / 2 days

Machine and Rack Protection

BLACK BULL Pallet Racking Protectors – with Guide Rollers



Pallet racking protectors which include rollers to facilitate pallet placement to and from floor level locations. The incorporation of rollers helps to dampen shock and vibration which can occur when pallets are being located. They are most suitable for use in warehouses, distribution depots, manufacturing units etc.

Specifications:

Material: Steel

Roller material: Polyamid

Roller Dimensions:

110mm High

75mm from bottom edge of roller to floor.

Variants:

Right-angle and 'U' profiles.

Finish:

Indoor use: Powder coated yellow with black stripes.

- For Indoor use
- Highly visible colours
- Easily installed
- Virtually indestructible
- Guide roller(s) incorporated



BLACK BULL

Description	Dimensions (mm) Height/Width/Gauge	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Right-angle Fixing bolt = 4	400 x 160 x 6	9	197.22.542	1 / 2 days
U-Profile Rawl bolt = 6	400 x 160 x 6	12	197.22.021	
Rawl bolt S12		0.2	109.17.393	1 / 2 days
Surface fixing bolt S12		0.3	109.24.665	

BLACK BULL Sliding Door Protection Guards



Frequently fire doors, access doors and gates are damaged or impeded by pallets, boxes etc. with obvious consequences, especially in the case of sliding fire doors. **BLACK BULL** Sliding Door Protectors provide the right level of protection to prevent such occurrences.

Manufactured from 6 and 10mm Gauge steel these protectors are immensely strong and can withstand substantial collisions, prevent expensive repairs and ensure that vital fire doors operate correctly without being impeded.

Finish:

Indoor use: Powder coated yellow.

- For Indoor use
- Strong steel protection
- Radius corners with 45° angled ends
- Ensure full operation of fire doors etc
- Highly visible yellow coating



BLACK BULL

Dimensions (mm) H x L x D	Gauge (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
150 x 800 x 100 Anchor holes = 5	6	10.5	197.24.121	5 / 10 days
	10	16	197.17.683	
150 x 1,200 x 100 Anchor holes = 7	6	14.5	197.29.576	
	10	24	197.13.775	
Surface fixing bolt S12		0.2	109.17.393	1/2 days
Through bolt anchor		0.3	109.24.665	



- Indoor use
- High quality steel
- Strong 'C' section rails
- Quickly and easily installed
- Adjusts to all frame widths

BLACK BULL Racking End Frame Protectors A *Adjustable*



Protect vulnerable Racking End Frames from potentially hazardous damage from forklift trucks or other vehicles.

These strong adjustable protectors are easily installed and adjusted to your particular racking widths, simply select the width combination to suit the racking width from the options listed below.

Finish:

Powder coated yellow with black striping.

Easily installed:

Bolt down support posts and clamp 'C' profile rails to posts using supplied clamps and adjust to desired width and tighten.

Attach the protective end covers (350 x 300mm) to the 'C' profile rail ends and damp to the desired position.

Dimensions (mm):

All sets:

Support posts: 465 H x 80 x 80 Square
Anchor plates: 160 D x 140 W x 10 gauge
'C' Rails: 100 D x 40 W x 3mm gauge



Set A 900

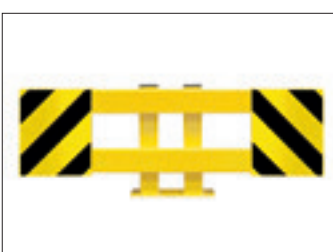
Adjustable up to 1,300mm
1 x Double post on base
2 x Rails 900mm L ('C' profile)
2 x End plates

Set A 1700

Adjustable up to 2,100mm
2 x Posts
2 x Rails 1,800mm L ('C' profile)
2 x End plates

Set A 2300

Adjustable up to 2,700mm
2 x Posts
2 x Rails ('C' profile)
2 x End plates



Variants	Required fixing bolts	Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Set A 900 Posts, 2 Railings, 2 End Plates	4	465 x 900 – 1,300 x 160	31	198.25.566	5 / 10 days
Set A 1700 Posts, 2 Railings, 2 End Plates	8	465 x 1,700 – 2,100 x 160	44	198.24.401	
Set A 2300 Posts, 2 Railings, 2 End Plates	12	465 x 2,300 – 2,700 x 160	58	198.22.991	
Surface fixing bolt S12			0,2	109.17.393	1 / 2 days
Through bolt anchor			0,3	109.24.665	

Machine and Rack Protection



- Indoor use
- High quality steel
- Strong 'C' section rails
- Quickly and easily installed
- Adjusts to all frame widths
- TUV-tested according to DGUV 108-007



BLACK BULL Racking End Frame Protectors B Adjustable



Protect vulnerable Racking End Frames from potentially hazardous damage from forklift trucks or other vehicles with the **BLACK BULL** Adjustable Racking End Frame Protectors.

The end frames protect the front uprights of the end frames and permit the lateral insertion of the 'C' section rails, allowing up to 400mm adjustment.

Components in Set B:

- 2 x End frames (H x W x D)
500 x 300 x 190 mm x 5 mm gauge
- 2 x 'C' section rails (H x W x D)
100 x 40 x 3 mm gauge
- 4 x Securing blocks

Finish:

Powder coated yellow with black striping on end frames.

Easily installed:

Assemble 'C' profile rails into slots in end frames and attach clamps (300 x 300mm), without bolting down end frames. Bolt down one end frame, adjust to desired width, bolt down second end frame and tighten clamps.

Set B 900

Adjustable from 900 to 1,300 mm

Set B 1700

Adjustable from 1,700 to 2,100 mm

Set B 2300

Adjustable from 2,300 to 2,700 mm
Version with rollers diverts much of the forces, absorbs collisions, protects the floor and extends the life of the installation.

Version with rollers diverts much of the forces, absorbs collisions, protects the floor and extends the life of the installation.



12.195 N

* Max. force absorption.

For details please request data sheets.

Variants	Required fixing bolts	Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Set B 900 2 Railings, 2 End Plates	12	500 x 900 – 1,300 x 190	32	198.23.925	5 / 10 days
			39	198.22.540*	
500 x 1,700 – 2,100 x 190		43	198.25.753		
		50	198.25.188*		
Set B 2.300 2 Railings, 2 End Plates		500 x 2,300 – 2,700 x 190	48	198.22.185	
			55	198.26.651*	
Surface fixing bolt S12			0,2	109.17.393	1 / 2 days
Through bolt anchor			0,3	109.24.665	
References marked with * are with rollers					



- For Indoor use only
- Manufactured in high quality steel and polypropylene (PP)
- Quickly and easily installed
- Easily adjusted to frame width
- Excellent value for money
- TUV-tested according to DGUV 108-007

BLACK BULL
Racking End Frame
Protectors Type C
Adjustable



The **BLACK BULL** Racking End Frame Protectors Type C are a new addition to the Racking End Frame Protector range incorporating our Polypropylene (PP) lateral rails to replace the steel rails in the Type A & B series. The use of these rails in conjunction with the steel end supports provides maximum protection for pallet racking end frame uprights while the flexibility of the lateral rails reduces damage to the frames and vehicles.

The steel support end sections have extended outer flanges to protect pallet end frame uprights from sideways damage. Assembly is straightforward and carried out by bolting down one end section in the desired position and inserting the lateral rails, securing and then positioning the second end section at the desired width with the lateral rails positioned, then bolting down the end section and securing the lateral rails.

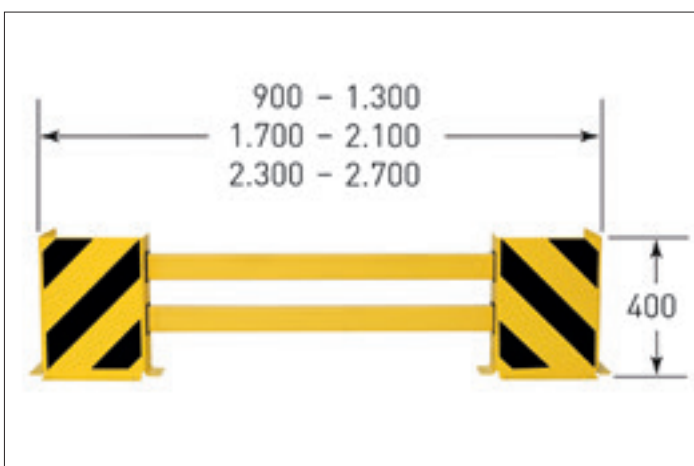
Components in Set C:

2 x End frames (H x W x D):
 400 x 300 x 190 mm,
 Wall thickness: 3 mm
 Lateral Rails (PP) (H x D x Wall thickness):
 74 x 52 x 5 mm

Finish:

Support frames powder coated yellow with black striping. PP lateral rails yellow only.

Three versions cover end frame widths 900 mm to 2,700 mm.



Versions	Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Set C 900	400 x 900 – 1,300 x 190	18	198.23.829	10 / 15 days
Set C 1.700	400 x 1,700 – 2,100 x 190	21	198.20.242	
Set C 2.300	400 x 2,300 – 2,700 x 190	23	198.24.154	
Surface fixing bolts 8/100 (12 per set)			109.17.393	1 / 2 days
Through bolt anchor 12/120 (12 per set)			109.24.665	



Machine and Rack Protection



- For indoor use only
- Absorbs impact forces
- High quality steel and Polypropylene (PP)
- TUV approved



BLACK BULL **BULL Impact Protection** **Barrier System-Low Level** *Hybrid*



The **BLACK BULL** Impact Protection Barrier System-Low Level is a versatile floor level barrier system of a modular construction comprising steel support posts and polypropylene (PP) lateral rails for a high degree of flexible protection of property and vehicles. Finished in eye catching black and yellow for high visibility, this system is both effective and cost efficient.

They are most suitable for the protection/demarcation of marshalling areas, manoeuvring zones and protection of wall/partition surfaces etc.

Specification:

Post: 255 x 100 x 100 mm
Base Plate: 200 x 200 x 10 mm
Lateral Rails: 74 x 52 x 5 mm

Finish:

Steel post: Powder coated black
Lateral rails: Polypropylene (PP) yellow



Post	Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
End post	255 x 100 x 100	6.5	203.26.335	10 / 15 days
Middle post		6	203.24.605	
Corner post		6	203.26.312	
Through bolt 12/120 (4 per post)		0.3	109.24.665	
Lateral rails for End and Middle Posts				
1,000 mm	74 x 52 x 5	2	203.22.870	10 / 15 days
1,500 mm		2.5	203.27.147	
2,000 mm		3	203.21.049	
Lateral rail for corner Post 45° bevel one side				
1,000 mm	74 x 52 x 5	2	203.28.997	10 / 15 days
1,500 mm		2.5	203.29.688	
2,000 mm		3	203.21.999	



Credit: Stadtwerke Jena

- For Indoor and Outdoor use
- Strong steel protection
- 'One way' assembly
- Isolates column from impact shock



Collision Protection

TRAFFIC-LINE Column Protectors

These highly versatile Column Protectors provide strong protection for vulnerable columns, exposed pipework etc. against damage by motorised transport.

Easily installed by sliding the cross members into each other and bolting to the ground through the pre-drilled base plates.

Many uses around warehouses, logistics depots, street posts and trees, factories, public buildings and spaces etc.

Specifications:

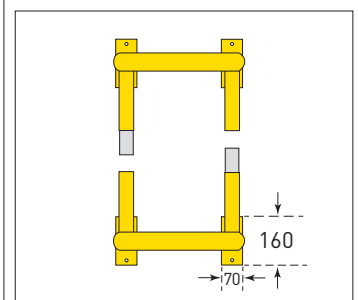
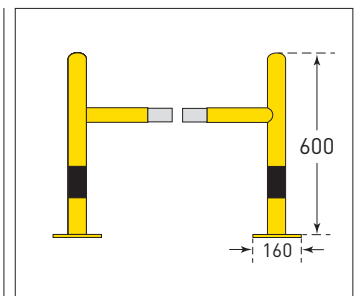
Tube: 60 mm/48 mm Ø
Wall thickness: 2 mm
Fixing plates: 160 x 70 x 10 mm
(Pre-drilled 4 holes)

Finish:

Indoor use only:
Powder coated yellow

Indoor and Outdoor:
Hot Dip Galvanised.
Hot Dip Galvanised and powder coated yellow with black bands.

Standard product is surface mounted with bolts. Sub-surface adapter plates available for root fixing.



		Powder Coated only		Hot dip galvanised		Hot dip galvanised and power coated	
Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Reference	Typical despatch time (working days)	Reference	Typical despatch time (working days)
600 x 520 x 520 Internal: 400 x 400	14.5	200.26.557	5 / 10 days	200.22.925	5 / 10 days	200.20.623	5 / 10 days
600 x 620 x 620 Internal: 500 x 500	16	200.28.694		200.29.787		200.23.561	
600 x 720 x 720 Internal: 600 x 600	17.5	200.24.782		200.26.195		200.29.660	
Sub-surface adapter (4 per guard)						200.20.157	1 / 2 days
Through bolt anchor (8 per guard)						109.24.665	
Surface fixing bolt S14 (8 per guard)						109.17.393	

Column and Pipe Protection

TRAFFIC-LINE Vertical Pipe Protectors

Wall and Ground Fixing



The **TRAFFIC-LINE** Pipe/Cable Guard provides protection for exposed down pipes against accidental damage from passing vehicles with wall and ground fixing plates providing secure anchorage.

Strong tubular construction affords a high degree of protection in factories, warehouses, distribution depots, public buildings, office blocks etc.

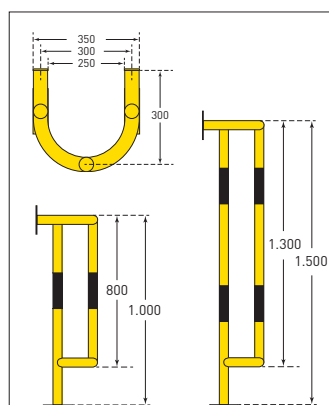
Finish:

Indoor and Outdoor use: Hot Dip Galvanised and powder coated yellow with black bands.

Specifications:

Tube: 48 mm Ø
Wall thickness: 2 mm
Fixing plates: 150 x 50 x 10 mm
Internal dimensions: 250 x 275 (W x D)

- For Indoor and Outdoor use
- Strong steel protection
- Easily and quickly installed
- Highly visible yellow and black marking



Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1,000 x 350 x 300	15	200.27.919	5 / 10 days
1,500 x 350 x 300	21	200.20.402	

Surface fixing bolt S12 (8 per guard)

TRAFFIC-LINE Vertical Pipe Protectors Wall Fixing



The **TRAFFIC-LINE** Pipe/Cable Guard provides protection for exposed down pipes against accidental damage from passing vehicles etc.

Strong tubular construction complete with wall fixing plates affords a high degree of protection in factories, warehouses, distribution depots, public buildings, office blocks etc.

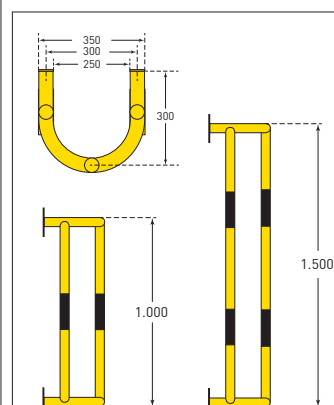
Finish:

Indoor and Outdoor use: Hot Dip Galvanised and powder coated yellow with black bands.

Specifications:

Tube: 48 mm Ø
Wall thickness: 2 mm
Fixing plates: 150 x 50 x 10 mm
Internal dimensions: 250 x 275 mm
(W x D)

- For Indoor and Outdoor use
- Strong steel protection
- Easily and quickly installed
- Highly visible yellow and black marking



Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1,000 x 350 x 300	15	200.28.423	5 / 10 days
1,500 x 350 x 300	21	200.20.616	

8/100

0.2

109.17.393

1 / 2 days

TRAFFIC-LINE Pipe/Cable Guard

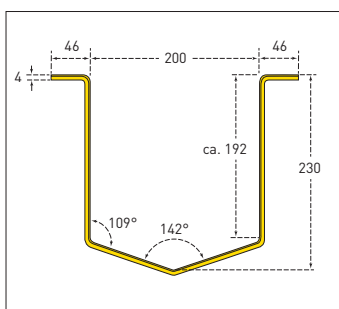
The **TRAFFIC-LINE** Pipe/Cable Guard provides protection for exposed down pipes, cables and cable runs against accidental damage from forklift trucks, cars etc.

The 'U' shaped guard with 4 keyhole slots is easily and quickly installed providing protection in areas such as manufacturing sites, warehouses, logistics depots, utility sites, public buildings, chemical plant, car parks etc.

Specifications:

Internal dimensions: 200 x 230 (W x D)

Wall thickness: 4 mm



- For Indoor and Outdoor use
- Easily and quickly installed
- Strong steel profile for maximum protection
- Highly visible yellow and black marking

Finish:

Indoor use: Powder coated yellow with black stripes.

Outdoor use: Hot Dip Galvanised.



Finish	Dimensions (mm) Height/width	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised	300 x 292 x 230	7	200.26.403	1 / 2 days
Powder coated yellow			200.28.445	
Hot dip galvanised	500 x 292 x 230	12	200.26.783	
Powder coated yellow			200.20.282	
Surface fixing bolt S14		0.2	109.17.393	1 / 2 days

TRAFFIC-LINE 360° Column Protector

Collision Protection

Provides all-round 360 ° protection against damage from collision for free-standing posts, columns and masts.

Two-part steel structure manufactured from formed 48mm Ø tubing.

Ideal for use in public spaces, depots, freight yards, car parks etc.

Easily assembled and installed:

The formed tube sections are located around the object to be protected and pushed into each other and secured with bolts. This strong unit is then anchored with 4 base plates to the ground.

Finish:

Hot-dip galvanised

Hot-dip galvanised and powder coated yellow

- High-grade steel guard
- Effective all-round protection
- Easily installed

Specifications:

Height: 600 mm

Outer Ø: 350 mm

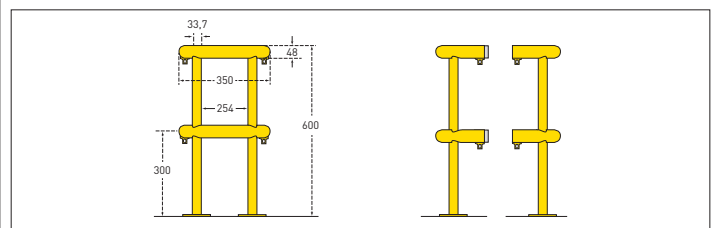
Inner Ø: 254 mm

Formed tube Ø: 48 mm

Wall thickness: 2 mm

Legs: Ø 33.7 x 2 mm

Base plates: 115 x 32 x 5 mm
(Pre-drilled 2 holes)

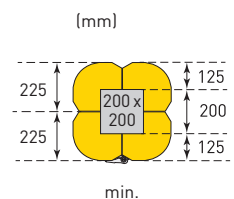


Finish	Dimensions (mm) Height/width	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised	600 x 350 x 350 Ø inner 254 mm	13	200.26.309	5 / 10 days
Hot dip galvanised and powder coated yellow			200.21.992	5 / 10 days
Surface fixing bolt S12 (8 per guard)		0.2	109.17.393	1 / 2 days

Column and Pipe Protection



- Indoor and Outdoor use
- Adjustable to column width
- Quick and easy installation
- High quality plastics
- TUV Approved



TRAFFIC-LINE Column Protectors – Plastic

TRAFFIC-LINE Column Protectors provide effective protection of columns and pillars against costly damage caused by forklift trucks, transport vehicles, HGV's etc.

The innovative design of the **TRAFFIC-LINE Column Protector's** sliding side sections allows it to adjust to suit column sizes from 200 x 200 mm to 300 x 300 mm, including rectangular cross-sections (e.g. 200 x 300 mm).

Moulded in modified polyethylene these are designed to withstand high impacts, whilst additionally the eye catching bright yellow ensures further protection.

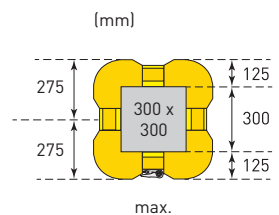
These are easily and quickly installed by means of two straps (220cm long) ensuring firm fixture to the column/pillar.

Specification:

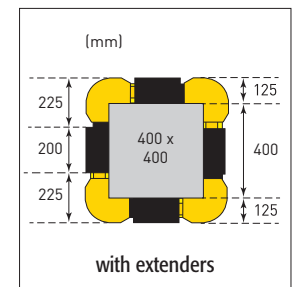
Height: 1,100 mm
Width: 450 x 450 mm (min.)
550 x 550 mm (max.)
Material: Polyethylene
Colour: Yellow

Column Guard Extender

These HDPE moulded sections enable the standard Column Protector to accommodate columns up to 200mm x 1,000mm section. Easily fixed and secured into Column Protector using tension belts (400 cm).



Column protector	Column dimension	Outer width
Standard column protector yellow	min. 200 x 200 max. 300 x 300	min. 450 x 450 max. 550 x 550
Column guard extender black	min. 400 x 200 max. 600 x 600	min. 650 x 450 max. 850 x 850



	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Column Protector	1,100	34	206.28.690	5 / 10 days
Accessories	Dimensions (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Column Guard Extender	200 x 1,100	5	206.21.704	5 / 10 days
Lashing Strap	4,000 x 50	0.5	206.23.007	



- Indoor and Outdoor use
- High abrasion resistance
- Self-adhesive
- Temperature resistant
- Easily installed



Floor Marking
and Repair

PROline Anti-slip Tapes

PROline Anti-slip tapes are self-adhesive backed for ease of application and coated with aluminium oxide particles for long lasting abrasion resistance. Tested by the Pendulum method they achieved a dry surface result of 102 TRL and a wet surface result of 71 TRL.

Ideal for use on walkways, stairs, entrances and exits, ramps, ladders, vehicles etc.

- Self-adhesive for ease of application
- Chemical and mineral resistant
- UV stable – for indoor and outdoor use
- Temperature range -30°C to +70°C

Presentation:

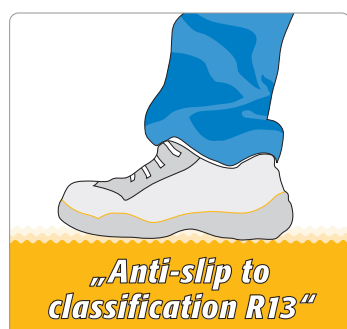
Rolls of 18.3 m and pre-cut blanks.

Note:

Edge sealing is necessary for damp/wet rooms and outdoor use.

Rolls				
Width (mm)	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
25	black	1.2	265.15.300	3 / 5 days
	grey		265.13.246	
	transparent		265.16.486	
	yellow		265.26.079	
50	black	2	265.13.195	
	grey		265.14.026	
	transparent		265.17.560	
	yellow		265.22.144	
	yellow-black		265.17.329	
100	black	3.5	265.13.274	
	grey		265.19.012	
	transparent		265.16.851	
	yellow		265.20.587	
	yellow-black		265.14.441	
Adhesive 150ml Tube (for one Roll)		0.5	265.18.646	
Primer for PROline Anti-slip Tapes (Coverage: approx. 4 m ²)		1.2	265.27.866	

Pre-cut Blanks				
Dimensions (mm)	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
25 x 800	black	1.0	265.20.485	3 / 5 days
50 x 800		1.2	265.25.933	
150 x 610		1.5	265.28.717	



Anti-slip Tapes



- Indoor and Outdoor use
- For textured surfaces
- Easily applied
- UV Stable
- Temperature resistant



PROline Anti-slip Tapes – Conformable

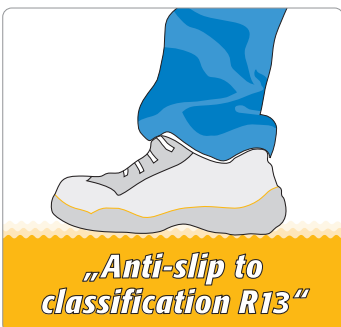
PROline Conformable Anti-slip tapes readily conform to chequered and similar surfaces due to the flexible aluminium substrate which is then coated with aluminium oxide particles for maximum coefficient of grip and durability.

Easily applied due to the strong self-adhesive backing, these tapes have been tested to ASTM C 1028-96 with the following results, dry surface 1.14, wet surface 0.98.

Suitable for use on steps, slopes, ramps, Chequer & Durbar plates, fire escapes etc.

- Chemical & oil resistant
- UV Stable – suitable for outdoor use.
- Temperature range: -30°C to +160°C
- Tape length: 18.3 m

For best results when applying use a soft rubber hammer or pressure roller.



Width (mm)	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
25	black	1.2	265.29.332	3 / 5 days
	yellow		265.25.088	
	yellow-black		265.24.261	
50	black	2	265.28.596	
	yellow		265.20.051	
	yellow-black		265.22.821	
100	black	3.5	265.27.886	
	yellow		265.20.038	
	yellow-black		265.28.229	
150	black	4.5	265.28.107	
	yellow		265.29.244	
	yellow-black		265.24.113	
Pressure roller		0.3	265.22.731	

PROline Vinyl Line Marking Tape – for forklift truck areas

PROline Vinyl Line Marking Tape is a heavy duty self-adhesive floor marking tape (1,000 μ) manufactured in high grade Vinyl for use in indoor situations. This tape being extremely tough and durable is suitable for permanent installations.

PROline Vinyl Line Marking Tape has excellent adhesion properties and durability. It is suitable for use in areas driven over by pallet trucks, forklift trucks and cleaning machines in warehouses, distribution depots etc. (Whilst PROline Vinyl Line Marking Tape is very durable, operatives should avoid turning movements of wheels placed directly on the marking tape.)

- Indoor use
- Suitable for forklift areas
- Available in various colours
- 1,000 μ Vinyl film thickness
- For permanent marking

Specification:

Thickness: 1,000 μ
Widths: 50 mm and 75 mm
Lengths: 25 m

**PROline Steel Line Marking Tape – for forklift truck areas**

This heavy duty line marking tape has been developed specifically for use in areas where forklift trucks operate. Produced in 700 μ thick coloured flat steel it is particularly suitable for precision marking on smooth level internal floors.

PROline Steel Line Marking Tape has excellent adhesion properties and is very durable. It is eminently suitable for areas driven over by pallet trucks, forklift trucks and cleaning machines in warehouses, distribution depots etc. This tape has a limited resistance to turning movements of transport vehicles.

Specification:

Thickness: 700 μ
Width: 75 mm
Lengths: 1.5 m and 6 m

- Indoor use
- Produced in flat steel
- Forklift resistant
- For permanent marking



Colour	Length (m)	50 mm			75 mm		
		Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
white	25	2.0	261.27.044	5 / 10 days	2.5	261.28.523	5 / 10 days
yellow			261.24.239			261.24.227	
blue			261.26.957			261.25.412	
red			261.21.702			261.29.359	
green			261.28.007			261.28.249	
yellow/black			261.26.263			261.27.320	

Colour	Length (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
white	1.5	1.0	261.25.551	5 / 10 days
	6	1.7	261.24.898	
yellow	1.5	1.0	261.22.021	
	6	1.7	261.27.500	

Line Marking Systems



- Indoor use
- Extra strong
- Leaves no residue when removed from most surfaces
- Ideal for short and medium term marking

ASR A1.3

The marking of walkways/traffic routes

"The marking of walkway/traffic route boundaries is coloured and clearly recognisable. If the marking is applied to the floor this can be achieved, for example, by lines at least 5 cm wide in a clearly visible colour - preferably white or yellow - with sufficient contrast to the colour of the floor area."

PROline-tape Floor Marking System

Self-adhesive floor marking tape

PROline-tape is an extremely tough floor marking tape manufactured in high quality vinyl for quick and effective marking of internal surfaces. Aisles, traffic ways and other demarcation areas can be identified precisely, cleanly and economically.

Specification:

Length: 33 m
Widths: 50 and 75 mm
Thickness: 0.15 mm
Core: 75 mm ID



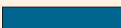






See page opposite for details.

PROline-tape is easily and quickly applied with the **TAPEliner** applicator, and we also offer the **PROline-tape Marking Set** which contains all the necessary components for a quick start (see opposite page).

Colour	Indication
White	General marking
Yellow	Hazard/caution
Red	Danger/prohibition
Blue	Mandatory protection
Green	Information/direction
Orange	Chemical storage
Red/White	Fire equipment
Green/White	Information/direction
Black/yellow	Hazard/caution







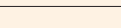



Colour		PROline-tape, 50 mm			PROline-tape, 75 mm		
		Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	white	1.0	261.16.606	1 / 2 days	1.2	261.16.619	1 / 2 days
	yellow		261.13.796			261.18.798	
	blue		261.19.771			261.15.989	
	red		261.13.752			261.18.675	
	green		261.18.249			261.16.655	
	orange		261.16.322			261.17.531	
	red/white		261.18.826			261.15.954	
	yellow/black		261.17.941			261.13.438	
	green/white		261.17.310			261.19.066	

PROline-tape Marking System**consisting of:**

- 1 TAPEliner,
- 2 Rolls PROline-tape,
- 1 Trimming Knife,
- 1 Marker Line and Chalk



Colour		PROline-tape, Markierset 50 mm			PROline-tape, Markierset 75 mm		
		Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	white	11.5	261.15.202	1 / 2 days	12	261.19.212	1 / 2 days
	yellow		261.17.297			261.18.900	
	blue		261.14.977			261.16.487	
	red		261.15.660			261.16.560	
	green		261.19.541			261.17.656	
	orange		261.17.130			261.13.748	



TAPEliner	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Marker with Trimming Knife	10	261.16.528	1 / 2 days

Line Marking Systems



- For Indoor and Outdoor use
- Highly visible and fast drying
- Abrasion and chemical resistant
- Easy to use



PROline-paint Marking Systems

PROline-paint is developed for rapid and effortless marking of indoor and outdoor areas. It is long-lasting, durable and cost effective.

PROline-paint is highly visible, abrasion and chemical resistant. The paint will adhere to virtually any dry, clean, dust and oil free surface e.g. concrete, asphalt, tarmac, metal, tiles etc.

It is fast drying – normally in minutes from application. **PROline-paint** is economical in use, a 750 ml can will produce a line 50 mm wide between 50-90 metres long (dependant on type of surface). It is environmentally safe and conforms to the latest EU regulations.

Applicators:

The applicators feature minimal assembly and are safe and easy to use – simply shake the can – insert – mark line – done! To mark close to walls, racking etc. just remove the rear wheels.

TIP:

See comments in ASR A1.3 on page 60.

PROliner

Uses one 750 ml can of **PROline-paint** for rapid line marking – up to 25 metres per minute. The applicator is easily adjusted to produce lines between 50 and 75 mm wide. Colours can be changed without having to clean applicator.

ROADliner

All the benefits as the **PROliner**, except that it uses two cans of **PROline-paint** to produce lines between 100 and 130 mm wide.

HANDliner

Specially designed for use in hand marking, use with stencils and to highlight obstructions, steps etc. Use with a single can of **PROline-paint**.



Please Note:

PROline Line Marking paint is not compatible with PROline Floor Paint Indoor, Anti-Slip or Outdoor.

Application tip:

When marking synthetic floors or floors treated with synthetic sealants, we recommend you test compatibility, drying time and adhesion, before commencing project.

See page opposite for details.

Colour





White
Yellow
Red
Blue
Green
Orange

Indication

General marking
Hazard/caution
Danger/prohibition
Mandatory protection
Information/direction
Chemical storage





Colour			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	white	~ RAL 9016	1.5	260.11.745	1 / 2 days
	yellow	~ RAL 1023		260.11.089	
	orange	~ RAL 2009		260.17.886	
	red	~ RAL 3020		260.12.976	
	green	~ RAL 6024		260.11.015	
	blue	~ RAL 5017		260.12.531	
	grey	~ RAL 7042		260.11.057	
	black	~ RAL 9017		260.11.954	



PROline-paint Applicators	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
PROliner For 50 mm to 75 mm lines	5	260.10.174	1 / 2 days
ROADliner For 100 mm to 130 mm lines	7	260.10.383	
HANDliner For hand use	1.5	260.10.437	



PROline-paint Marking System	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
PROline-paint Marking Set – WHITE 1 PROliner Applicator 50 mm to 75 mm lines 2 Cans of PROline Paint 1 PROline-Marker Line and Chalk	8	260.11.610	1 / 2 days
PROline-paint Marking Set – YELLOW 1 PROliner Applicator 50 mm to 75 mm lines 2 Cans of PROline Paint 1 PROline-Marker Line and Chalk		260.10.795	



PROline-paint Stencil Sets	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
15 cm Stencils of Letters and Symbols	1.5	260.10.503	5 / 10 days
30 cm Stencils of Letters and Symbols	2	260.11.149	



PROline-paint Accessories	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
PROline-paint Chalk Marker Line: (Provides an accurate guide line)	1	260.11.401	1 / 2 days
Chalk Refill (for Chalk Marker Line)	0.5	260.11.117	

Floor and Aisle Marking Paint



- For Indoor use
- Fast drying with excellent covering properties
- Wear resistant and durable
- Abrasion and chemical resistant
- Easy to use – no mixing of components



PROline-paint Indoor Industrial Floor Coating

PROline-paint is an extremely tough and durable single-component synthetic resin based paint for interior use on highly trafficked industrial, showroom and warehouse floors. It can be applied to concrete, asphalt, pavements, screed, paving and porous tiles by roller (for larger areas), brush or by spray.

PROline-paint
Industrial Floor Coating is:

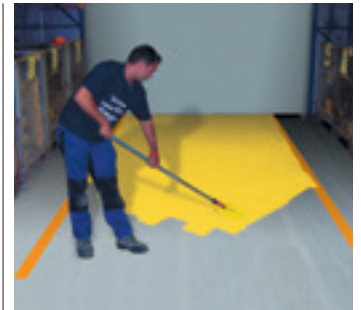
Tip:







For coated surfaces (e.g. epoxy resin floors) we recommend you carry out a compatibility test to determine drying time and adhesion of paint.

- Tough and fast drying.
- Dirt repellent, easy to clean.
- No mixing of components.
- Highly resistant to oils, solvents and detergents.
- Suitable for use with forklift trucks.

Coverage:

5 litre container will cover about 20 to 25 m².



Colour			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	white	~ RAL 9016	7	263.13.824	1 / 2 days
	yellow	~ RAL 1003		263.14.807	
	red	~ RAL 3001		263.18.881	
	blue	~ RAL 5017		263.19.179	
	silver grey	~ RAL 7001		263.13.740	
	stone grey	~ RAL 7030		263.14.968	



- For Indoor use
- Fast drying with excellent covering properties
- Wear resistant and durable
- Resists abrasion and most chemicals
- Suitable for use in forklift areas
- Easy to use – no mixing of components



Floor Marking and Repair

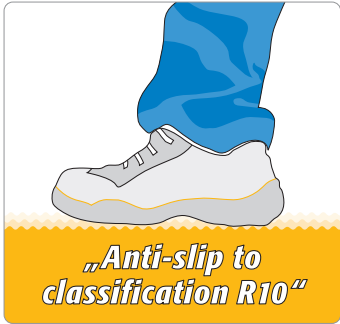
PROline-paint
Anti-slip Industrial Floor Coating



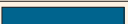


PROline-paint Anti-slip Industrial Floor Coating is an extremely tough and durable single-component synthetic resin based paint for interior application with the same properties as **PROline-paint** Industrial Floor Paint but with the addition of fine quartz granules to provide a Non-slip surface to classification R10 (DIN51130: 2004).

Ideal for use on heavily trafficked areas, **PROline-paint** is easily applied using a brush or roller. It is suitable for applying to concrete, asphalt and paved surfaces.

Coverage:
5 litre container will cover about 20 m².

Tip:
For coated surfaces (e.g. epoxy resin floors) we recommend you carry out a compatibility test to determine drying time and adhesion of paint.



Colour			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	white	~ RAL 9016	7	263.23.941	1 / 2 days
	yellow	~ RAL 1003		263.24.370	
	blue	~ RAL 5017		263.25.507	
	silver grey	~ RAL 7001		263.26.072	
	stone grey	~ RAL 7030		263.24.599	

Floor and Aisle Marking Paint



- For Outdoor use
- Fast drying with excellent covering properties
- Wear resistant and durable
- Highly abrasion resistant
- Easy to use – no mixing of components



PROline-paint Outdoor Industrial Floor Coating

PROline-paint Outdoor Industrial Floor Coating is a most extremely tough and durable single-component paint, especially suitable for use outdoors.







PROline-paint is suitable for applying to concrete, screed, asphalt and composite stone surfaces.

Easy to apply with either by roller (for large areas), brush or spray, it is fast drying giving excellent coverage and adhesion. It has good resistance against abrasion wear and most oils.

Coverage:

5 litre container will cover about 25 m².



Colours			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	white	~ RAL 9016	7	263.22.420	1 / 2 days
	yellow	~ RAL 1023		263.25.624	
	red	~ RAL 3020		263.23.804	
	blue	~ RAL 5017		263.21.512	
	grey	~ RAL 7043		263.25.110	
	green	~ RAL 6018		263.28.934	

PROline Floor Signs



PROline Floor Signs are designed to give clear, concise instruction and warnings to your workforce. Good signage in the workplace reduces accidents and provides visual reminders to staff, such as the wearing of Hi-Viz vests, eye protection etc.

Manufactured in a high quality, slip resistant vinyl, **PROline Floor Signs** are extremely durable.

Each sign has a self-adhesive backing, making application a quick and hassle free operation.

Suitable for installation on floors, walls and any sealed surface. Prior to installation ensure the surface is clean and grease free. Peel the backing paper off the back of the sign and place in position, apply pressure from the centre out to the edge to expel any air bubbles.

PROline Floor Signs are suitable for use in warehouses, factories, distribution centres, construction sites, shopping centres etc.

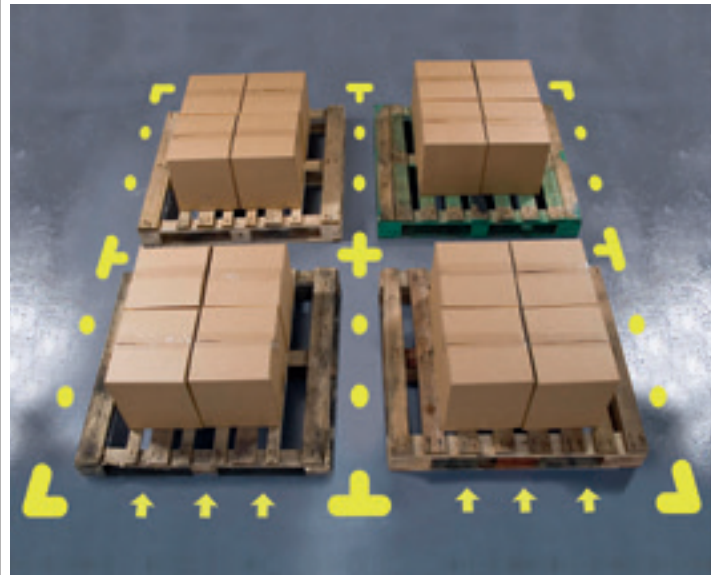
Specification:
430 mm diameter

- Under-film printed for greater scuff protection.
- Strong vinyl substrate with aggressive permanent self-adhesive backing.
- Suitable for application to smooth clean surfaces.
- Slip resistant surface.
- Clear safety, warning and instructional messages.
- Quickly and Easily applied.
- Highly visible.



See over for full range.

PROline Floor Markers



PROline Floor Markers provide clear and highly visible demarcation for pallet locations in warehouses and distribution centres.

Manufactured in a high quality PVC, **PROline Floor Markers** are extremely durable.

Each marker has a self-adhesive backing, making application a quick and hassle free operation.

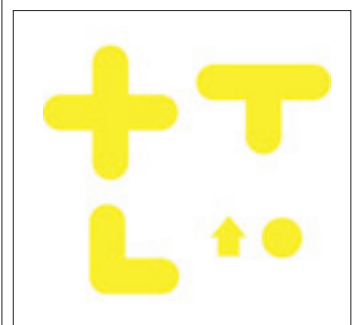
Suitable for installation on floors and walls. Prior to installation ensure the surface is clean and grease free. Peel the backing paper off the back of the marker and place in position, apply pressure from the centre out to the edge to expel any air bubbles.

PROline Floor Markers are suitable for use in warehouses, factories, distribution centres, etc.

Specification:

'X' - 300 mm x 300 mm
'T' - 300 mm x 200 mm
'L' - 200 mm x 200 mm
Disk - 90 mm
Arrow - 90 mm

- Semi rigid vinyl film with aggressive permanent self-adhesive backing.
- Highlight forklift routes, pallet positions and walkways for efficient warehouse operation.
- Quickly and Easily applied.
- Suitable for application to smooth clean surfaces.
- Highly visible.
- Supplied in Packs of 10.



See over for full range.






	Typical despatch time (working days)
PROline Floor Signs	1 / 2 days

	Typical despatch time (working days)
PROline Floor Markers	1 / 2 days

PROline Floor Signs

 549.10.105	 549.10.109	 549.10.113	 549.10.119
 549.10.125	 549.10.129	 549.10.132	 549.10.135
 549.10.138	 549.10.142	 549.10.146	 549.10.149
 549.10.152	 549.10.156	 549.10.158	 549.10.162
 549.10.164	 549.10.167	 549.10.170	 549.10.172
 549.10.175	 549.10.177	 549.10.181	 549.10.185
 549.10.188	 549.10.191	 549.10.196	 265.22.731

PROline Floor Markers

 549.20.104	 549.20.108	 549.20.112	 549.20.116
 549.20.119			



- Quick and easy installation
- Highlight hazardous feature
- Marking according to DIN 4844
- Available in 3 formats to suit most conditions
- Permanent adhesive

H & S Statement:

Health & Safety Regulations state that permanent obstructions or danger zones should be marked yellow and black, and that temporary obstructions should be marked in red and white.

Hazard Warning Tape

Self-adhesive

Accidents often occur when hazards are not clearly marked. Our range of Hazard Warning tapes provides the ideal solution for most common situations. Quick and easy to install our self-adhesive tapes adhere to smooth, dust and grease free surfaces and can be removed without leaving a residue from most surfaces.



Non-reflective

Hazard Warning Tape

Quickly and easily applied this low cost self-adhesive hazard warning tape is ideal for highlighting indoor hazards in most daylight and artificial light conditions.



Reflective

Hazard Warning Tape

This high quality, UV resistant and long lasting tape provides excellent visual warning both indoors and outdoors of hazards in a wide range of lighting conditions.



Luminescent

Hazard Warning Tapes

An extremely high quality Hazard Warning Tape which has a long lasting luminous effect in all light conditions and especially in difficult situations such as darkness and smoke.

Description	Size (mm x m)	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Non reflecting Roll –right-hand direction	60 mm x 66 m	red/white	0.5	420.11.054	1 / 2 days
		black/yellow		420.11.965	
Retro reflecting 2 roll pack (1 right-hand-, 1 left-hand direction)	50 mm x 25 m	red/white	1	420.11.114	5 / 10 days
		black/yellow		420.12.062	
Long lasting Luminous effect 1 roll	25 mm x 25 m	single colour luminous (lux-white)	0.2	420.18.600	
	50 mm x 25 m		0.4	420.15.285	

Site Safety and Maintenance

RESTORE – Surface Repair Kit



RESTORE is a cold process repair kit for three different surface types: Concrete, asphalt and screed.

An extremely durable two-component compound with excellent load strength properties. Fast acting bonding agent guarantees short curing times. Easy to spread for quick repair of cracks, holes, and uneven surfaces in driveways, pavements, car-parks etc. Also suitable for the construction of ramps etc.

Specification:

Colour: Dark grey RAL7021
Coverage: 9 kg per m²
(at layer thickness of 6mm)

Pack: 17.2 kg Container
12 kg quartz sand (filler),
5 kg bonding agent and
0.2 kg hardening agent

- Easy to handle and apply
- Extremely durable and resistant to wear
- Fast setting – can be driven over within 20-30 minutes (at 20°C)



Restore Easy Repair – Surface Repair Kit

NEW!



Complete floor repair kit for minor repairs to damaged areas. Can be used on concrete, asphalt or screed surfaces. Extremely resilient, durable and due to the quick setting time (approx. 20 min. at +20° C) can be driven over within 20–30 minutes of application.

Specification:

Colour: Dark grey RAL702
Pack: 10 kg Quartz sand
(including activator)
1.25 kg binder
1 mixing bucket

Directions:

Fill the mixing bucket (shipping bucket) with binding agent, add quartz sand and thoroughly mix using a spatula or similar stirrer. Ready to use.

Easy Repair cannot be moulded or shaped – use Restore Surface Repair Kit for this purpose. See page ?

- Developed for minor repairs
- Durable and wear resistant
- Fast setting
- Suitable for most surfaces



Pack 17.2 kg Container	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
5 kg bonding agent, 12 kg quartz sand (filler), 0.2 kg hardening agent	20	266.27.978	5 / 10 days

Pack 11.25 kg Container	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Set including mixing bucket: 10 kg quartz sand, 1.25 kg hardener	12.5	266.20.652	5 / 10 days

RESTORE – Joint Repair Kit

RESTORE Joint Repair is an extremely strong and durable two-component mixture with fast reactive binders for short curing times.

For fast, permanent repairs to cracks and holes in concrete, asphalt, pavements.

RESTORE remains permanently flexible and is thus particularly suitable for heavy-duty floors, reducing the risk of further cracks due to stress.

Can be driven over after 60 minutes at 20°C.

Specification:

Colour: Dark grey RAL 7021

Coverage: 1 kg per m² in joint of
20 x 50 x 1,000 mm

Pack: 5 kg flexible resin
0.2 kg Hardening agent

- For Indoor and Outdoor use
- Self-levelling
- Durable and long lasting
- Mechanically stable
- UV and weather resistant
- Solvent free
- Permanently flexible

**Note:**

Joint width: at least 5 mm

Pack 5.2 kg Container	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
5kg flexible resin 0.2kg hardening agent	6	266.20.698	5 / 10 days

PROline Thermo Symbols

Preformed EV Charging Bay symbols for perfect, permanent and clear-cut outlines.

The white reflective coated symbol adheres to almost all types of surface e.g. concrete, asphalt, tar, composite paving and tiles. Quick setting allows for it to be driven over 30 minutes after application. Lasts 5 x longer than floor marking paint.

Improved adhesion on difficult surfaces e.g. bitumen can be achieved by using a primer.

Application instructions:

Align the symbol elements onto a dry, dust and grease free surface.

Joints between the elements should be no wider than 5mm.

Fragments (e.g. due to transportation) can be easily inserted during the melting process.



- Permanent marking
- Easy to apply
- Reflective
- Professional solution

Tip:

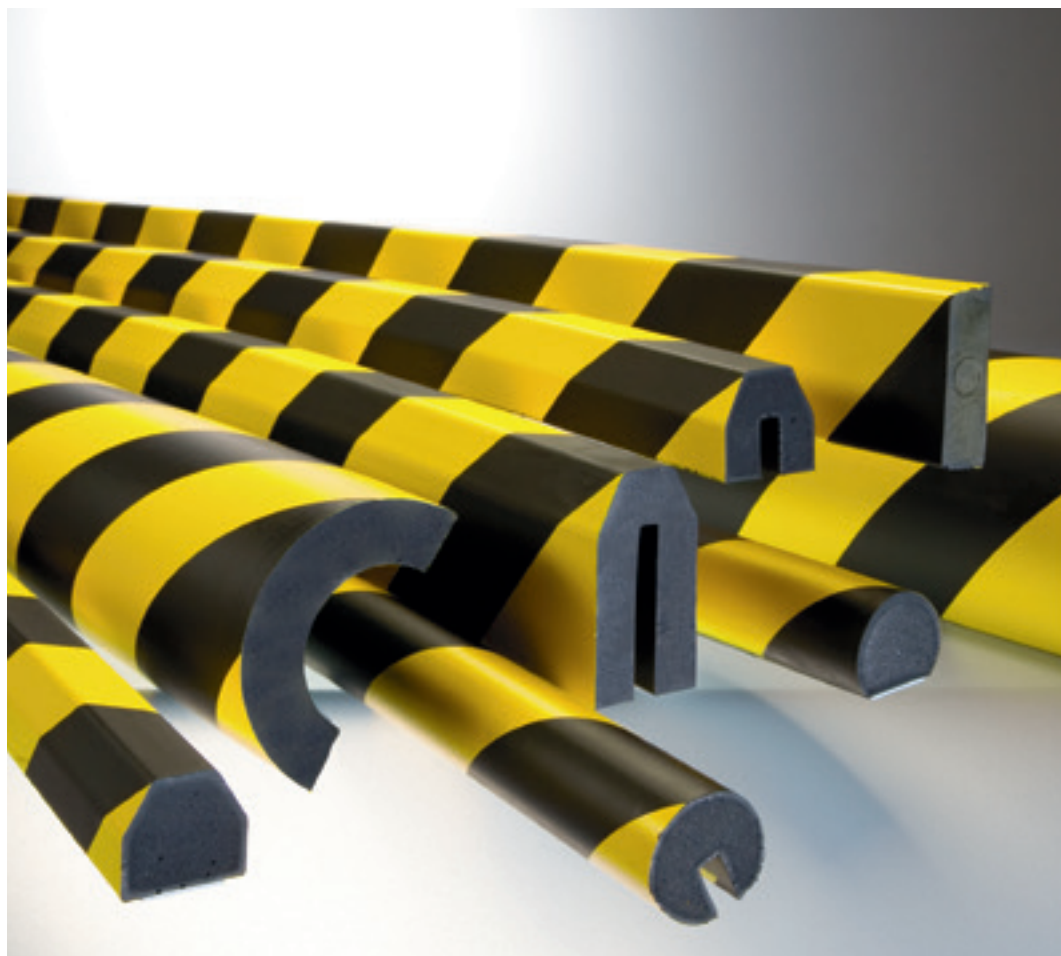
In cold weather preheat the surface with a gas torch.

Other colours on request (e.g. yellow)



Description	Dimensions (mm)	Delivery weight kg/ea.	Reference	Typical despatch time (working days)
 Symbol EV Charging Point	1,000 x 700	3	262.24.084	5 / 10 days
 Symbol EV Parking Place	700 x 800	2	262.29.350	
Gas Torch		4	262.17.348	
Primer for Bitumen	4 litres (for approx. 12 sqm) 20 litres (for approx. 60 sqm)	6 22	262.14.507 262.15.587	

Impact Protection



- For Indoor and Outdoor use
- High quality PU foam
- Absorbs impacts while retaining shape
- Resistant to UV light and solvents
- Temperature resistant



TRAFFIC-LINE Impact Protection

TRAFFIC-LINE Impact Protection profiles are most effective in providing both visual warning and safety cushioning of hard and unyielding objects. They are manufactured from Polyurethane (PU) foam which is flexible and age resistant, the self-adhesive backing adheres to dry, smooth, clean dust free and degreased surfaces permanently. In addition to the above qualities Impact Protection features the following advantages:

- Quick and easy installation
- UV and solvent resistant
- CFC and Silicone free
- Temperature resistant from -40° C to +90° C
- Fire resistant to UL 94
- Completely non-porous (uncut)
- Use Indoors and Outdoors
- Easily handled 1,000 m lengths
- Easy to cut to length with a sharp knife or fine toothed saw

TRAFFIC-LINE Impact Protection profiles are used in areas of internal and external machinery, racking, conveyors,

vehicles, mobile trolleys, corners, columns, girders, production areas, hospitals, laboratories, etc. and in many other applications where personnel or property requires protection.

Length: 1,000 mm

Standard Marking: yellow/black (according to DIN 4844).

Note: Other colours available on request (e.g. Red/white or solid black).


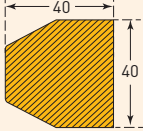
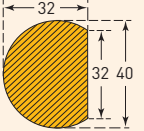
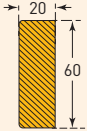
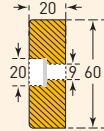
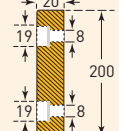
Note: Use 1 metre lengths for small to medium installations, for longer installations use 5 metre lengths (see page 75).


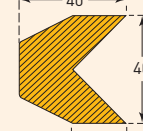
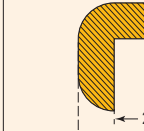
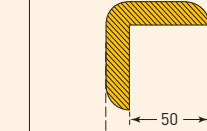
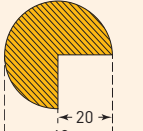



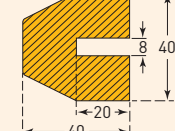
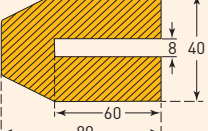
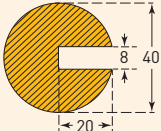
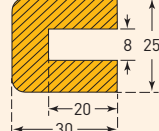
TIP:


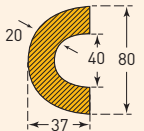
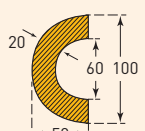
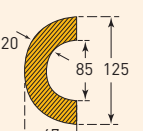
For extreme load conditions fixing can be reinforced with standard PU adhesive.


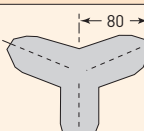
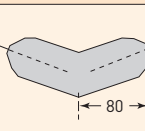
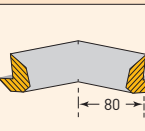
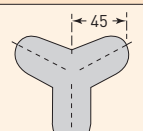
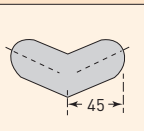
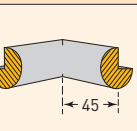


Surface Protection	Trapeze 40/40	Semi-Circular 40/32	Rectangle 60/20	Rectangle 60/20 3 pre-drilled holes	Rectangle 200/20 4 pre-drilled holes
Fixing:	Self-adhesive fix			Screw fix	
					
Delivery weight (kg/ea.)	0.7	0.7	0.7	0.7	1.2
Reference	422.18.441	422.13.249	422.19.912	422.19.509	422.15.592
Typical despatch time (working days)	1 / 2 days				

Edge Protection	Trapeze 40/40	Right-Angle 30/30	Right-Angle 60/60	Semi-Circular 40/40
Fixing:	Self-adhesive fix			
				
Delivery weight (kg/ea.)	0.7	0.5	0.8	0.7
Reference	422.14.275	422.17.559	422.18.566	422.19.099
Typical despatch time (working days)	1 / 2 days			

Profile Protection	Trapeze 40/40/8	Trapeze 40/80/8	Semi-Circular 40/40/8	Rectangle 25/30/8
Fixing:	Push-fit fix			
				
Delivery weight (kg/ea.)	0.7	0.7	0.7	0.7
Reference	422.13.264	422.15.601	422.17.696	422.26.168
Typical despatch time (working days)	1 / 2 days			

Pipe Protection	Curvature: 40 (for pipes 30-50mm Ø)	Curvature: 60 (for pipes 50-70mm Ø)	Curvature: 85 (for pipes 70-100mm Ø)
Fixing:	Self-adhesive fix		
			
Delivery weight (kg/ea.)	1	2	2.5
Reference	422.16.740	422.17.049	422.17.488
Typical despatch time (working days)	1 / 2 days		

Edge Protection Accessories-Black	TRAPEZE – Edge length 80mm			SEMI-CIRCULAR – Edge length 45mm		
	External tri-corners	External corners	Internal corners	External tri-corners	External corners	Internal corners
Fixing:	self adhesive					
						
Delivery weight (kg/ea.)	0.2	0.2	0.2	0.2	0.2	0.2
Reference	422.18.641	422.16.525	422.18.012	422.19.578	422.18.356	422.17.839
Typical despatch time (working days)	1 / 2 days					

Impact Protection



- For Indoor use
- Yellow/black to DIN 4844
- UV and solvent resistant
- Temperature resistant
- Easily cut to size on site (sharp knife or fine saw blade)

TRAFFIC-LINE Impact Protection – Magnetic



An innovative development of our PU foam Impact Protection profiles, the magnetic strips are an integral part of the profile which are easily attached to steel surfaces. A simple solution for applications that do not require permanent protection or areas that require regular thorough cleaning. Manufactured in a high quality, age

resistant, flexible Polyurethane (PU) foam.

- UV and solvent resistant
- Silicone free
- For Indoor use*
- Temperature resistant from –40° C to +90° C
- Fire resistant to UL94

***OPTION:** For outdoor use the ends are additionally sealed (Additional cost).

Finish:

Length: 1,000mm

Colour: Yellow/black

Most profiles can be supplied with magnetic strips.

Magnetic	Edge protection Trapeze 40/40	Edge protection Right-Angle 30/30	Edge protection Right-Angle 60/60	Edge protection Semi-Circular 40/40	Pipe protection Curvature 40
Delivery weight (kg/ea.)	0.7	0.5	0.8	0.7	1
Reference	422.23.243	422.24.979	422.25.253	422.20.276	422.21.293
Typical despatch time (working days)	1 / 2 days				

Magnetic	Pipe protection Curvature 60	Pipe protection Curvature 85	Surface protection Trapeze 40/40	Surface protection Semi-circular 40/32	Surface protection Rectangle 60/20
Delivery weight (kg/ea.)	2	2.5	0.7	0.7	0.7
Reference	422.22.247	422.20.581	422.26.582	422.27.977	422.20.678
Typical despatch time (working days)	1 / 2 days				



- Easily cut to length with a sharp knife
- For Indoor and Outdoor use
- Temperature resistant from -40° C to +90° C
- Fire resistant to UL94

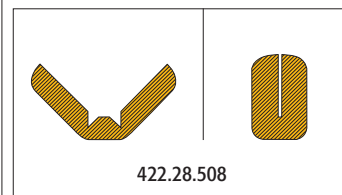
Easily applied to all smooth, clean, dust-free and de-greased surfaces. Manufactured from high quality, UV and age resistant flexible Polyurethane (PU) foam.

Finish:

Length: 5 metres.

Colour: yellow/black EN 4844

9 profiles available – other profiles on request.



Variable edge protection profile for angles up to 160° (Self adhesive).

Note:

For longer runs we recommend 5 metre rolls, for shorter applications we recommend 1 metre lengths – see pages 72–73.

TRAFFIC-LINE Impact Protection – 5 metres

TRAFFIC-LINE Impact Protection in 5 metre lengths is ideal for longer installation runs, and provides excellent warning and protection to personnel and property.

NEW!

Profile	Edge Protection Angle 26/14	Surface Protection Semi-Circular 40/32	Surface Protection Rectangle 150/20	Surface Protection Rectangle 50/20	Surface Protection Rectangle 40/11
Fixing:	self adhesive				
Delivery weight (kg/ea.)	2.2	2.5	9.9	2.7	2.4
Reference	422.28.508	422.29.052	422.28.090	422.29.669	422.27.694
Typical despatch time (working days)	1 / 2 days				

Profile	Edge protection Right-Angle 26/26	Edge protection Right-Angle 47/47	Edge protection Semi-Circular 40/40	Profile protection Semi-Circular 40/40/8	Profile protection Rectangle 25/30/8
Fixing:	self adhesive			push on	
Delivery weight (kg/ea.)	2.2	2.7	2.3	2.4	2.2
Reference	422.26.236	422.22.011	422.24.291	422.23.704	422.29.978
Typical despatch time (working days)	1 / 2 days				

Impact Protection



- Indoor and Outdoor use
- White colour
- UV and solvent resistant
- Temperature resistant
- Silicone free
- Easily cut to size on site (sharp knife or fine saw blade)



TRAFFIC-LINE Impact Protection - White

Where discreet protection is required we have developed **TRAFFIC-LINE** Impact Protection in pure white colour. Manufactured in flexible and anti-aging Polyurethane (PU) foam with a non-porous skin **TRAFFIC-LINE** Impact protection is highly suitable for

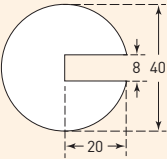
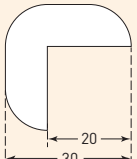
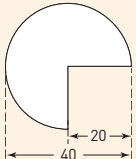
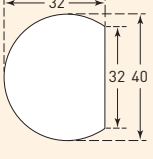
applications in hospitals, laboratories, food-processing industry, offices, clean rooms etc.

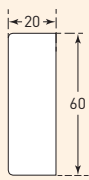
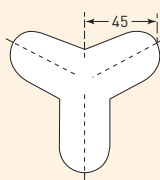
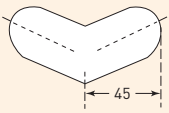
- Non-porous surfaces
- Temperature resistant from -40°C to $+90^{\circ}\text{C}$

- Fire classification to UL94
- Indoor and Outdoor use

Finish:

Length: 1,000 mm
Colour: White

White	Profile protection Semi-Circular 40/40/8	Edge protection Right-Angle 30/30	Edge protection Semi-Circular 40/40	Surface protection Semi-circular 40/32
Fixing:	push on	self adhesive		
				
Delivery weight (kg/ea.)	0.7	0.5	0.7	0.7
Reference	422.18.250	422.15.712	422.15.039	422.18.541
Typical despatch time (working days)	1 / 2 days			

White	Surface protection Rectangle 60/20	External tri-corners	External corners
Fixing:	self adhesive		
			
Delivery weight (kg/ea.)	0.7	0.2	0.2
Reference	422.18.163	422.14.008	422.17.487
Typical despatch time (working days)	1 / 2 days		





- Indoor use
- Extremely shock and impact resistant
- Mould and cold resistant
- Fire protection class B2
- Resistant to detergents
- Easily installed



TRAFFIC-LINE Wall Buffer

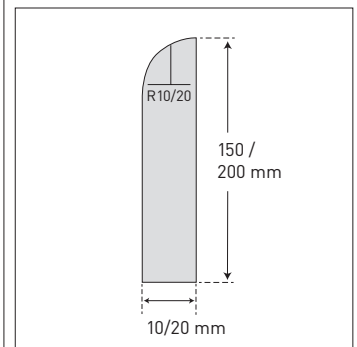
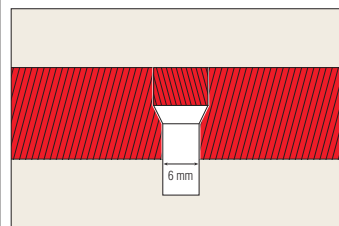
Tough impact resistant Polyethylene profiles designed to protect walls against impacts and glancing blows. Ideally suited for installation in rooms and corridors of public buildings, nursing homes, waiting rooms, hospitals and clinics, industrial buildings, offices etc.

TRAFFIC-LINE Wall Buffers are mould resistant and are temperature resistant down to -30°C , and are easy to maintain and clean. They are manufactured in solid colour throughout the profile, thus reducing the visual effect of any impacts.

The profiles are easily installed with 6mm countersunk screws (not supplied) through pre-drilled countersunk holes, which can be covered with the identical coloured plugs supplied. They are easily cut to length or mitred on site using standard tools.

Fire Protection Class: B2
Length: 2,060 mm

Other thicknesses, heights, profiles and colours available on request.



Colour	Height (mm)	Thickness (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
white	150	10	3	423.14.241	5 / 10 days
		20	6	423.17.402	
	200	10	4	423.18.836	
		20	8	423.14.682	
light-granite	150	10	3	423.14.556	
		20	6	423.18.514	
	200	10	4	423.15.743	
		20	8	423.15.499	
black	150	10	3	423.18.669	
		20	6	423.18.122	
	200	10	4	423.19.744	
		20	8	423.15.908	

Wall Buffers

TRAFFIC-LINE Impact Protection – for Columns



Specifically developed for the protection of internal/external round and rectangular columns, is suitable for most installations but especially applicable where space is restricted.

The many applications include installations where space is restricted, as well as columns, walls, wall protrusions, passages, beams, indoor and outdoor parking lots, warehouse, manufacturing plants, retail outlets etc.

The profiles have reinforcing steel strips inserted during manufacture in order to provide secure anchorage points.

Tip: For installation on rectangular columns, we recommend installing the profile with some clearance around the corners of the columns, as this will improve the shock absorption effect.

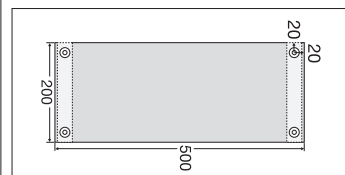
- For Indoor and Outdoor use
- For round and rectangular columns
- UV Resistant
- Temperature resistant
- Quickly and easily installed

are moulded in Polyurethane flexible age resistant foam, and are finished with UV resistant yellow/black hazard warning stripes to DIN 4844/EN 7010

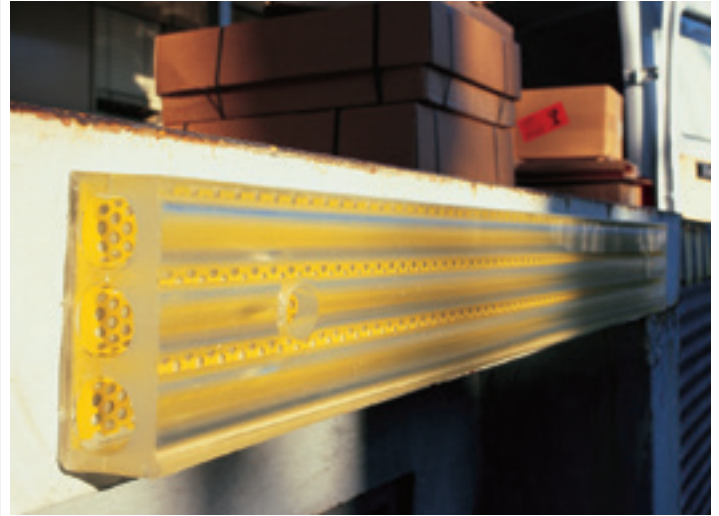
- UV resistant yellow/black markings to DIN 4844
- Temperature resistant from -40°C to +90°C
- Fire resistant to UL 94
- Silicone free
- For indoor and outdoor use

Size: (L x H x D) 500 x 200 x 20 mm

Standard Marking: yellow/black (according to DIN 4844/EN 7010).



TRAFFIC-LINE HD Buffers

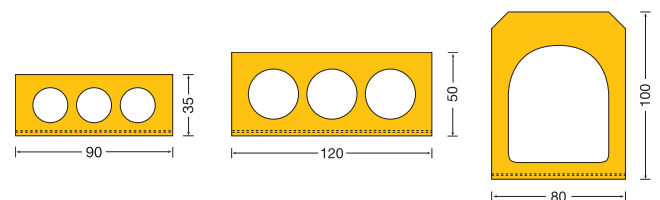


TRAFFIC-LINE HD Buffers provide excellent long lasting shock absorbing properties for use in areas subject to collisions from vehicles such as loading docks or bays, ramps, walls etc.

They are manufactured from age and weather resistant Polyurethane incorporating perforated steel plate for additional stability. The sections are hollowed out to provide maximum shock absorption and have pre-drilled fixing points.

TRAFFIC-LINE HD Buffers are versatile being easily installed in horizontal and vertical positions indoors and outdoors with three cross sections to choose from.

- Quick and easy installation
- Three profiles to suit all levels of protection
- Harder wearing and longer lasting than rubber buffers
- Age and weather resistant
- Ideal for Indoor and Outdoor protection



Column Protection	For fixing to Rectangular Columns	For fixing to Round Columns
Delivery weight (kg/ea.)	1.6	1.6
Reference	422.16.620	422.18.949
Typical despatch time (working days)	5 / 10 days	

Description	Length (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Loading bay buffer 35/90	1,000	4	422.15.292	5 / 10 days
Loading bay buffer 50/120	1,000	6	422.16.763	
Loading bay buffer 100/80	1,000	7	422.19.641	



- Indoor and Outdoor use
- Quick and easy installation
- Three profiles to suit all levels of protection
- Bright eye-catching reflective yellow markings
- HD version can be cut to size
- Pre-drilled fixing holes

Impact and
Wall Protection

TRAFFIC-LINE
*Impact Protection –
Corner Protectors*

Easily fixed in position these corner guards provide a high level of protection against damage caused by accidental contact from fork-lift trucks, road vehicles etc.

TRAFFIC-LINE Corner Protectors are manufactured in Natural/SBR rubber with reflective yellow striping incorporated into the standard and bullnose profiles a yellow metal strip is incorporated into the Heavy Duty version. Standard/bullnose profiles are supplied with pre-drilled fixing holes of 3 mm Dia. x 10 mm D, whilst the Heavy Duty version is drilled 5 mm Dia. x 20 mm D.

TRAFFIC-LINE Corner Protectors are designed to protect vulnerable corners of commercial properties, warehouses, distribution depots, factories, public buildings etc.



Profile	H x W x L (mm/set)	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Standard	90 x 90 Internal x 800	black/yellow	2.0	423.20.234	1 / 2 days
Bullnose	115 x 115 Internal x 800	black/yellow	3.7	423.24.136	
Heavy Duty	100 x 100 Internal x 2,500	black/yellow metal inserts	25	423.27.380	5 / 10 days

Chain Posts



- Quickly & easily deployed
- Corrosion proof plastic construction
- Low centre of gravity for stability
- Highly visible post colours – red/white or black/yellow



GUARDA Chain Posts

GUARDA Chain posts are the ideal low cost solution for quickly and easily cordoning off areas both indoors and short term outdoors in areas such as warehouses, production areas, retail areas etc.

Posts include chain attachment eyes with 4 positions and are supplied with a choice of one of three base styles.

Also available in useful sets of 6 posts and bases, 10 metres of chain, pack of 10 connecting links and a pack of 10 'S' hooks.

Note: We recommend a maximum 2 metres of plastic chain between each post.



Base type	Colour	Height/Post Ø (mm)	Base (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Plastic, concrete filled (three sided)	red/white	870/40	300 SL	3.4	175.13.895	1 / 2 days
	black/yellow				175.14.011	
Plastic hollow (round)	red/white		300 Ø	2	175.16.320	
	black/yellow				175.18.711	
Hard rubber (four sided)	red/white		265 x 265	2.3	175.19.222	
	black/yellow				175.16.601	
Set: Consisting of 6 chain posts, 10m M-POLY chain, 10 connecting links and 10 hooks						
Plastic, concrete filled (three sided)	red/white	870/40	300 SL	20	175.16.146	1 / 2 days
	black/yellow				175.13.735	
Plastic hollow (round)	red/white		300 Ø	9.5	175.15.850	
	black/yellow				175.17.247	
Hard rubber (four sided)	red/white		265 x 265	12.5	175.19.176	
	black/yellow				175.17.668	



GUARDA-Plus Plastic Chain Post Set



Chain post set moulded in strong plastic with accompanying heavy, stable base (pre-filled with concrete). Chain posts complete with two integrated chain hooks.

Easy to assemble:

Insert a post into the recess in the base.

To dismantle:

Remove post by reverse of the above.

Delivered as a set of 4 comprising:

4 Chain Posts

4 Bases

12.5 m plastic chain 8 mm gauge

Specification:

Plastic Post:

Dia. 50 mm Ø

Height: 900 mm

Base:

Colour: Black

Size: 280 x 280 x 45 mm

Sets available in red/white or black/yellow.

- For Indoor and Outdoor use
- All plastic construction
- Stable design
- Value for money



Colour	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
red/white	900	20.7	175.22.245	5 / 10 days
black/yellow			175.22.063	

GUARDA-Flex Chain Posts



GUARDA-Flex chain posts are manufactured in strong plastic featuring integral chain eye hooks and the folding base enables this post to be deployed quickly and effectively. This feature also enables compact storage and less risk of searching for mislaid bases etc. It is ideal for cordoning off pedestrian and vehicular vehicle areas, guidance, quarantine areas, emergency spills etc.

Specification:

Plastic Post: 50 mm Ø

Integral base: 280 x 280 mm

- For Indoor and Outdoor use
- All plastic construction
- Folds down
- Space saving
- Speedily and easily deployed

Also available as a handy kit of 4 posts plus 10 metres of M-POLY Chain.



Colour	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
red/white	900	4.5	175.15.959	1 / 2 days
black/yellow			175.18.435	
Set of 4 GUARDA-Flex Chain Stands with 10m of M-POLY Chain				
red/white	900	18	175.16.132	1 / 2 days
black/yellow			175.18.626	

Chain Posts

TRAFFIC-LINE Hi-Vis Chain/Posts



An extremely flexible system that provides either temporary or permanent solutions to the segregation of pedestrians from vehicular traffic, which has many applications in parking facilities, industry, warehouses, public spaces and buildings etc.

The Patented rotating head design ensures that the installation and removal of chains is quick and simple. Additionally the head can be secured to prevent the unauthorised removal of chains/ropes. The head is manufactured in UV-resistant ABS plastic.

Specification:

Moulded plastic base: 330 mm Ø

Aluminium Post: 60 mm Ø

The posts are powder coated aluminium whilst the base is moulded and can be either bolted down (4 fixing points) or filled with either sand or water, and is fitted with round reflective panels.

Accessories:

Wall mounted hooks, see page 88.

- For Indoor and Outdoor use
- Quickly & easily deployed
- Aluminium posts in 2 colours
- Moulded base for temporary or permanent fixing
- Patented head design
- Secure four point fixing for permanent installations (fixing bolts available at extra cost)



EXTERN Chain and Warning post – with chain eye



An extremely adaptable and effective chain and warning system consisting of polypropylene post with chain eye and heavy duty base moulded from recycled PVC. The post is finished with a highly reflective red/white finish for excellent visibility.



The **EXTERN** Chain and Warning system offer a flexible and cost effective solution for cordoning off small, medium and large areas, and is suitable for both permanent and temporary applications. The chain eye rotates guiding the chain to any angle required. Simply thread the chain through the chain eye and secure to the end posts with either chain links or hooks from our chain accessory range.

O/All height: 1,000 mm
Diameter: 100 mm
Base Dimensions: 70 mm High x 570 mm Ø

Max. recommended distance between posts: 2.5 m

- Post moulded in polypropylene
- Base from recycled PVC
- Features rotating chain eye
- Quickly and easily deployed
- Eye catching red/white reflective panels
- Highly stable



Surface finish and colours	Dimensions height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
 yellow powder coated	975	2.9	179.16.360	5 / 10 days
 red powder coated			179.16.972	

Colour	Height/Ø (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Red/white	1,050/100	2.7	290.22.907	1 / 2 days
Recycled base – black (sold separately)		8.5	291.26.009	

EXTERN Heavy Duty Chain Posts – Metal bases

The **EXTERN** is especially suitable for creating temporary or semi-permanent barriers. The base can be filled with sand, gravel, concrete etc. on site. The posts are Hot Dip Galvanised and finished in striking red/white and black/yellow powder coating, complete with 2 chain eyes. The base is manufactured from 2 mm wall steel and is treated with a rust resistant finish.

Base dimensions: 300 x 300 x 100mm

Note: The post can be firmly clamped into the base socket. If the **EXTERN** is to be re-positioned then it may be moved by grasping the post only.

- Extremely robust and stable
- Easily and quickly deployed
- Post and base can be clamped together for ease of moving
- Hot Dip Galvanised posts – anti rust coated bases



Description		Post height/Ø (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Base – without handles	red/white	1,000/60	7.3	170.10.853	1 / 2 days
	black/yellow			170.22.822	15 / 20 days
Base – with handles	red/white	1,000/60	8.3	170.10.985	1 / 2 days
	black/yellow			170.88.001	15 / 20 days

Red reflective band 200mm (we recommend 2 per post)

EXTERN Heavy Duty Chain Posts – Recycled Base

Has all the features of the **EXTERN** with the metal base, except that the base is manufactured in recycled material and that the post features a chain eye cap which allows 6mm chain to be pulled through. This feature allows the posts to be positioned regardless of chain length. Our M-DEKO chain is ideal for use with this barrier system.

Base dimension: 450mm Ø

- Posts easily inserted and removed from base
- Only requires two additional connecting links or chain hooks
- Base has recessed grip feature



Description		Height/Ø (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Recycled base – with recessed grip	red/white	1,000/60	17.5	170.18.374	5 / 10 days
	black/yellow			170.88.030	15 / 20 days

1 / 2 days

Belt Posts

TRAFFIC-LINE Belt Posts



The **TRAFFIC-LINE** Belt Posts are an effective method of providing barriers and guidance. They provide the ideal solution for the clear demarcation of pedestrian areas from vehicular traffic in warehouses, industry, public buildings, open spaces etc.

The self-tensioning belt is easy to pull out and engage with the next post, and retraction is a controlled and smooth action.

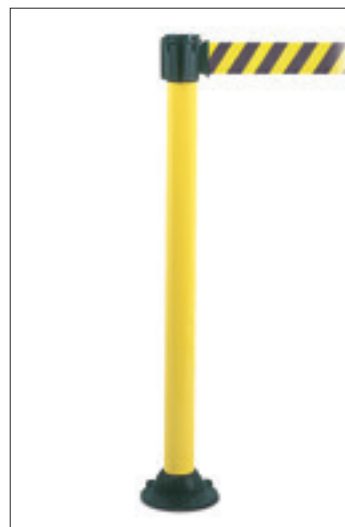
Specifications:


Aluminium Post dia.: 60 mm
GRP Base plate dia.: 155 mm
(3 fixing points)
Belt length: 3 m

Accessories:

Wall mounted clips.

- For Indoor use
- Self-tensioning bi-colour 3m belts
- Aluminium posts in 4 colours
- Permanent bases moulded in GRP
- Secure 3 point fixing
- Damped belt action for smooth retraction



Surface finish and colours	Belt colours	Dimensions height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
 yellow powder coated	yellow/black striped	895	2.3	179.88.039	5 / 10 days

TRAFFIC-LINE Hi-Vis Belt Posts



A supremely flexible system that provides either permanent or temporary demarcation of pedestrian areas from vehicular routes.

Ideal for use in industry, warehouses, car parks, open spaces, public buildings etc.

The self-tensioning belt is easy to pull out and engage with the next post, and retraction is a controlled and smooth action.

Specifications:

Moulded plastic base: 330 mm Ø
Aluminium Post: 60 mm Ø



The posts are Powder coated Aluminium whilst the base is moulded and can be either bolted down (4 fixing points) or filled with sand or water, and is fitted with round reflective panels.

- For Indoor and Outdoor use
- Self-tensioning bi-colour 3m and 4m belts
- Aluminium posts in 2 colours
- Moulded base for temporary or permanent fixing
- Secure 4 point fixing if required
- Damped belt action for smooth retraction
- Extremely stable – low centre of gravity

Accessories:

Wall mounted clips.
Belt link.

See page 88.

Surface finish and colours	Belt colour/length	Dimensions height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
 yellow powder coated	black/yellow striped	3,000	2.9	179.14.759	5 / 10 days
		4,000		179.22.511	
	yellow	3,000		179.17.353	
		4,000		179.26.335	
 red powder coated	red/white striped	3,000		179.19.970	
		4,000		179.28.338	
	red	3,000		179.15.362	
		4,000		179.24.575	



- For Indoor use
- Quickly and easily deployed
- Flexible queue options
- High quality Stainless Steel
- Damped belt action for smooth retraction

TRAFFIC-LINE Belt Posts

Stainless Steel

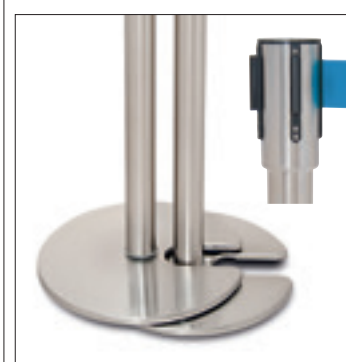
TRAFFIC-LINE Stainless Steel Belt Barriers are a stylish method of queue management suitable for a wide range of applications. Easily adaptable to changing circumstances and requirements. Featuring a self-tensioning belt with smooth retraction the **TRAFFIC-LINE** Stainless Steel Belt Barrier offers a luxury finish at affordable cost.

The base is manufactured from heavy steel plate with a stainless steel cover, which gives the Post a high degree of stability due to a low centre of gravity.

Two versions:

With slot in base for space saving nesting.

With round base without recess.



Barrier Posts
and Chains

*Stainless
Steel*

Description	Belt colour/ length	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Standard base 350 mm Ø Post top 63 mm Ø	blue 2.5m	915	10.5	179.26.979	1 / 2 days
	black 2.5m			179.26.798	
Base with slot 350 mm Ø Post top 51/63 mm Ø	blue 2.5m	890	9.5	179.24.947	5 / 10 days
	black 2.5m			179.22.136	
Wall clip			0.2	179.23.874	1 / 2 days

Belt Posts/Belt Cartridges

TRAFFIC-LINE ECONOMY Belt Barrier



The **TRAFFIC-LINE ECONOMY Belt Barrier** is ideal for use as a barrier or guidance system, and is easily and quickly deployed for use as footpath marking or where traffic areas require to be cordoned off.

Designed for use in scenarios as diverse as queue guidance, industrial sites, warehouses, parking facilities, events, public spaces etc.

The self-tensioning belt easily and smoothly deploys from the cassette and attaches to the next post. In-built spring mechanism damps the belt during retraction after use. The unit is usable in both indoor and outdoor environments. The posts are easily detached from the bases for ease of transport and storage.

The dual coloured posts are manufactured in plastic, and the unit's base can be filled on site with sand or gravel for extra stability.

Specification:

Post height 950 mm
Post Ø 50 mm

- For Indoor and Outdoor use
- Strong plastic build
- Lightweight construction
- Excellent stability
- Low cost

Post colours red/white
black/yellow
Base 360 mm Ø
Base colour Black
Belt length 3 m
Belt colours red/white diagonal
black/yellow diagonal



Description	Belt colour	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	red/white	950	1.8	179.21.658	5 / 10 days
	black/yellow			179.28.568	

TRAFFIC-LINE Wall Mounted Belt Cartridge *Stainless Steel*



The **TRAFFIC-LINE** Stainless Steel Wall Mounted Belt Cartridges are the ideal solution for where a fixed point barrier is required. The Stainless Steel case houses a 2.5m long belt and is particularly suited where a higher quality appearance is required. The belt is self-tensioning and can be secured to a wall clip or to a **TRAFFIC-LINE** Stainless Steel Belt post (see page 85).

Retraction of the belt is controlled by a centrifugal brake ensuring a smooth action.

Specification:

Cartridge height: 150 mm
Cartridge depth: 80 mm
Wall bracket: Metal – painted black
Belt length: 2.5 m
Belt colour: Blue, Black
Features: Wall clip and wall fixings included

- For Indoor use
- Easily installed
- High quality Stainless Steel
- Damped belt action for smooth retraction
- 2.5 metre belt Blue or Black



Belt colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
blue	1.5	179.20.441	1 / 2 days
black		179.27.140	



- For Indoor and Outdoor use
- Quickly & easily deployed
- Strong warning effect
- Belts in 3m & 4m lengths
- Two mounting methods



TRAFFIC-LINE Wall Mounted Belt Cartridge

TRAFFIC-LINE Wall Mounted Belt Cartridge – Magnetic

The ideal solution for controlling access at fixed or temporary locations.

Two mounting methods:

- For screw fixing to walls, pillars etc.
- Magnetic for steel surfaces such as racking, steel cabinets etc.

The self-tensioning belts are quickly and easily deployed, the free end being simply located in the wall clip supplied or to an adjacent wall cartridge. A smooth and controlled retraction is ensured due to the centrifugal braking system.

A useful accessory is our belt link for joining two belts for gaps up to 8m.

See accessories on page 88.

Specifications:

Cartridge height: 130 mm

Cartridge depth: 110 mm

Belt width: 50 mm

Accessories:

Belt joining clip.

Additional wall clip.



		Screw fixing			Magnetic fixing		
Colours	Belt length (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
black/yellow striped	3,000	1.4	179.18.124	1 / 2 days	1.5	179.27.462	1 / 2 days
	4,000	1.5	179.23.024		1.6	179.23.187	
red/white striped	3,000	1.4	179.13.738		1.5	179.27.835	
	4,000	1.5	179.23.085		1.6	179.21.407	
black/yellow/black	3,000	1.4	179.19.708	5 / 10 days	1.5	179.20.545	5 / 10 days
	4,000	1.5	179.29.337		1.6	179.29.326	
black/red/black	3,000	1.4	179.16.023		1.5	179.25.944	
	4,000	1.5	179.26.981		1.6	179.23.919	
black/silver/black	3,000	1.4	179.18.931		1.5	179.21.084	
	4,000	1.5	179.29.945		1.6	179.27.176	

Accessories

Wall clip/Wall clip magnetic



For the Magnetic Cartridge on page 87.

Description	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Wall clip	0.2	179.16.000	1 / 2 days
Wall clip magnetic	0.3	179.26.987	

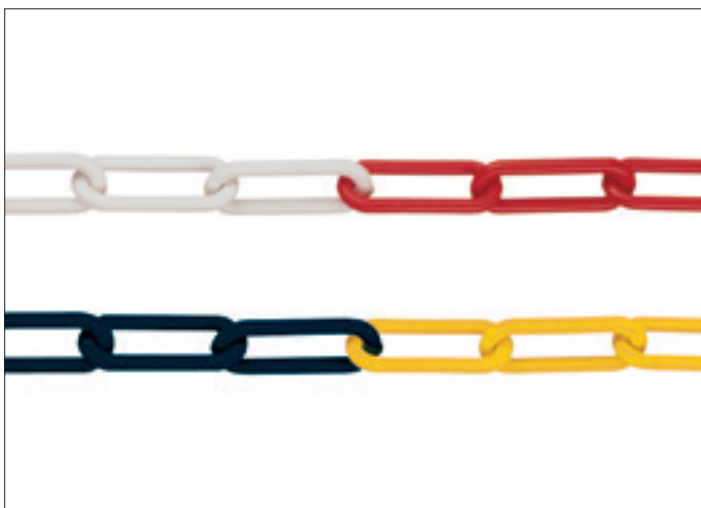
Belt link



For joining two belts, on pages 85, 86, 87.

Description	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Belt link	0.2	179.17.430	1 / 2 days

Wall clip/Wall clip magnetic



For chain posts on page 82.

Chain M-Poly-Visible 6	Length (m)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
red/white	10	1	212.14.592	1 / 2 days
black/yellow			212.15.705	

Belt link



For the Chain posts on page 82.

Description	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Wall hook	0.2	179.13.851	1 / 2 days



Barrier Chains

The **TRAFFIC-LINE** range of barrier chains are suitable for a wide range of applications and conditions.

They can be used with **TRAFFIC-LINE** Barrier Posts for demarcating and enhancing traffic lanes, pedestrian walkways, car parks etc.

The tensile strength and durability are essential criteria's to consider before purchasing, as depending on where and what they are used for, they could be subject to extremes of stress, weather conditions, vandalism etc.

Most **TRAFFIC-LINE** Barrier Chains are 'stretch tested' horizontally by the metre and the tensile breaking strain, where applicable, is indicated in the product specification table overleaf. In practice the chains will, however, take a greater lateral strain.

M-POLY Visible Barrier Chains

Manufactured from polyethylene these lightweight chains are best employed for indoor use and are extremely economical in price.

M-DEKO Visible Barrier Chains

Manufactured in high quality nylon, these lightweight chains possess the same characteristics as **MNK NYLON** chains, but have not been subjected to tensile strength testing. Consequently **M-DEKO** chains are best employed where the likelihood of stress can be avoided.

MNK NYLON Quality Barrier Chains

Produced in high quality UV and weather resistant nylon, resistant to seawater and most chemicals these highly stress resistant chains have proved their capability over many decades and as such offer a long service life. The links are non-conductive to electricity or heat, are anti-magnetic, and can withstand temperatures ranging from -40°C to $+80^{\circ}\text{C}$.

MNK-NYLON – 3 year manufacturers guarantee.

M-FERRO SIGNAL Barrier Chains

Produced in galvanised steel and coated with weather resistant polyester, these chains offer excellent strength as well as enhanced corrosion protection. They are best suited to applications where strength, durability and signalling effect are required.






SM STEEL Barrier Chains

Produced in galvanised steel, these strong high quality chains offer long service life and corrosion resistance, yet are economical in price. They are particularly ideal for use in areas where maximum resilience stress is required.

STAINLESS STEEL Barrier Chains

Manufactured in stainless steel, these high quality chains are strong and corrosion resistant for a long service life. They particularly complement our range of CHICHESTER Stainless Steel Town Bollards, but are equally ideal where this standard of finish is required.

Barrier Chains

	Model	Link gauge Ø (mm)	Material/finish	Link Size (Internal) (mm)	Tensile strength (daN)	Tensile breaking* (daN)
	MNK Quality 6	6	Nylon	42 x 12	200	340
	MNK Quality 8	8	Nylon	51 x 15	340	530
	M-DEKO Visible 6	6	Nylon	53 x 13	–	250
	M-POLY Visible 6	6	Polyethylene	46 x 11		–
	M-POLY Visible 8	8		52 x 11		
	SM Steel 6	6	Steel/galvanised	41 x 12	250	1.250
	SM Steel 8	8	Steel/galvanised	52 x 15	440	2.200
	M-FERRO Signal	6	Steel/galvanised + plastic coated	41 x 12	250	1.250
	SS 6	6	Stainless steel 14'401	42 x 12	–	1.250

TRAFFIC-LINE

Barrier Chain Accessories

A comprehensive range of accessories essential for attaching barrier chains to posts etc. either permanently or temporarily.

Available in packs of 10 (except Stainless Steel connecting links) in a range of colours and finishes to suit most chain colour combinations.



Connecting link – Nylon



Chain post attachment hook



Chain post attachment hook – Steel



Connecting link – Steel



Connecting link with screw

*1 daN = 10 Newton \approx 1 kg

Delivery weight. g/per metre	Colour change (No. of links)	Length (m)	Standard colours	Reference	Typical despatch time (working days)
300	11	50	red/white	210.12.037	1 / 2 days
			yellow/black	210.10.833	
			red	210.10.822	
			white	210.11.697	
			black	210.11.993	
			yellow	210.10.976	
400	9	25	red/white	210.11.278	
			yellow/black	210.10.234	
			red	210.12.774	
			white	210.10.033	
			black	210.11.281	
			yellow	210.10.607	
200	9	50	red/white	211.12.699	
			yellow/black	211.12.819	
150	13	10	red/white	212.14.592	
			yellow/black	212.15.705	
		50	red/white	212.10.805	
			yellow/black	212.13.380	
200	16	25	red/white	212.19.390	
			yellow/black	212.13.210	
700	–	30	zinc grey	214.12.451	
1.400	–	10	zinc grey	214.10.709	
800	18	15	red/white	213.12.984	
			yellow/black	213.11.240	
800	–	10	natural	217.17.890	5 / 10 days

Description	Qty/ pk.	Material/finish	For use with chain types	Standard Colours	Delivery weight kg/ea.)	Reference	Typical despatch time (working days)
Connecting link	10	Steel/galvanised + plastic coating	MNK Quality M-Ferro-Signal	red	0.8	216.10.614	1 / 2 days
				black		216.12.503	
		Steel/galvanised	SM-Steel	zinc grey	0.5	214.12.849	
		Nylon	M-Visible	red	0.2	216.12.210	
				black		216.11.828	
Chain- post attachment hook	10	Steel/galvanised + plastic coating	MNK Quality M-Ferro-Signal	red	0.8	216.12.687	
				black		216.10.012	
		Steel/galvanised	SM-Steel	zinc grey	0.5	214.10.329	
		Nylon	M-Visible	red	0.4	216.10.962	
				black		216.10.490	
Connecting link with screw thread 6mm	10	Steel/galvanised	SM-Steel	zinc grey	0.8	214.28.772	
		Steel/galvanised + plastic coating	MNK Quality M-Ferro-Signal	red		216.14.713	
				black		216.13.271	
	1	Stainless steel	SS	natural	0.2	216.18.191	
Connecting link with screw thread 8mm	1	Stainless steel	SS	natural	0.2	216.17.181	

Barrier Posts



- For Indoor and Outdoor use
- Strong steel post
- Simple screw fixing into base
- Quickly and easily deployed



**TRAFFIC-LINE
Removable Barrier Post –
Surface fix**

The **TRAFFIC-LINE** Removable Barrier Post is quick and easy to install and remove. It provides a highly visible deterrent effect at a reasonable cost. The supplied base is fixed by three 80mm depth bolts making this post ideal for use in car parks etc. for blocking off reserved spaces, access ways.

Manufactured from steel tube with an aluminium cap, with sturdy screw thread which screws into the white aluminium base.

Base: Drive over height 30mm.

Finish:
Hot Dip Galvanised and painted red/white.

Please Note: This post simply screws into the base, it does not lock into place. Do not use this product for security purposes.



Description	Ø x Wall x Height (mm)	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	
Base 170mm Ø x 30mm H	60 x 2.0 x 1,030	red/white	5.7	105.24.175	5 / 10 days	
	76 x 2.5 x 1,030		7.1	105.21.124		
Reflective rings for 60 mm Ø post (recommended 2 per post)						
Reflective rings for 76 mm Ø post (recommended 2 per post)						



- Strong steel construction
- Round or square tube options
- Choice of finishes
- Available in four diameters



TRAFFIC-LINE Barrier Posts

TRAFFIC-LINE Barrier Posts are a highly effective and adaptable method of boundary demarcation and are suitable for the restriction of access by vehicles, demarcation of walkways, traffic lanes, industrial sites, car parks, boundary posts etc.

TRAFFIC-LINE Barrier Posts can be used with **CONTROLLER** Drop Down Posts, **MINDER** Removable Barrier Posts and **TRAFFIC-LINE** Railing Systems to create complete traffic control systems. In addition to the normal fixing methods **TRAFFIC-LINE** Barrier Posts can also be

fitted into non-locking Ground sockets.

All **TRAFFIC-LINE** Posts can be supplied with one or two chain eyes.

Sub-surface fixing:

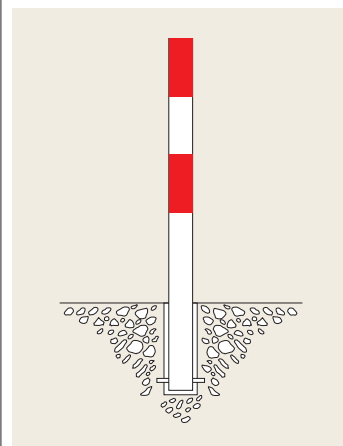
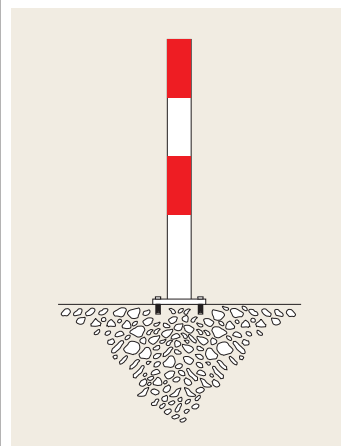
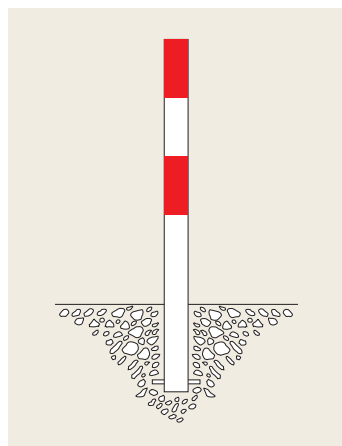
Steel posts with aluminium caps
1,330 mm long, 330 mm sub-surface
complete with ground anchor.

Surface fixing:

Steel posts with aluminium caps
1,000 mm long complete with base with
4 pre-drilled holes. Base dimensions
160 x 140 x 10 mm. (Pre-drilled 4 holes)

Removable style:

Steel posts with aluminium caps
1,330 mm long, 330 mm sub-surface
inserted into ground socket.



Barrier Posts

60mm Ø	TRAFFIC-LINE Barrier Posts – Wall thickness 2mm							
Finish	Colour	Chain eyes	Sub-surface fixing O/all height 1,330mm (330mm sub-surface)			Surface fixing Height 1,000mm		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised and painted	red/white	0	4.7	100.10.016	5 / 10 days	6.2	100.12.839	5 / 10 days
		1		100.13.027			100.10.083	
		2		100.12.191			100.12.554	
	black/yellow	0		100.11.947	15 / 20 days		100.11.028	15 / 20 days
		1		100.13.144			100.11.376	
		2		100.10.784			100.11.853	
Hot dip galvanised and red reflective bands	zinc grey – red	0		100.10.491	5 / 10 days		100.13.031	5 / 10 days
		1		100.10.064			100.11.177	
		2		100.11.008			100.12.130	
Hot dip galvanised	zinc grey	0		100.11.255			100.12.048	
		1		100.12.523			100.12.996	
		2		100.10.353			100.10.239	
Powder coated	red/white	0		100.10.043			100.11.659	
		1		100.12.009			100.11.309	
		2		100.12.507			100.11.595	

76mm Ø	TRAFFIC-LINE Barrier Posts – Wall thickness 2.5mm							
Finish	Colour	Chain eyes	Sub-surface fixing O/all height 1,330mm (330mm sub-surface)			Surface fixing Height 1,000mm		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised and painted	red/white	0	5.9	101.13.035	5 / 10 days	6.6	101.10.225	5 / 10 days
		1		101.12.498			101.11.164	
		2		101.11.727			101.12.118	
	black/yellow	0		101.10.007	15 / 20 days		101.11.989	15 / 20 days
		1		101.10.074			101.12.943	
		2		101.11.018			101.10.764	
Hot dip galvanised and red reflective bands	zinc grey – red	0		101.13.126	5 / 10 days		101.11.328	5 / 10 days
		1		101.10.362			101.12.282	
		2		101.11.299			101.10.101	
Hot dip galvanised	zinc grey	0		101.11.405			101.10.006	
		1		101.12.184			101.10.949	
		2		101.13.133			101.11.894	
Powder coated	red/white	0		101.10.036			101.10.313	
		1		101.12.776			101.11.258	
		2		101.10.609			101.12.870	

Accessories						
Description	TRAFFIC-LINE Barrier Posts 60mm Ø			TRAFFIC-LINE Barrier Posts 76mm Ø		
	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Non-lockable surface socket	3.0	100.10.773	5 / 10 days	3.7	101.12.484	5 / 10 days
Surface fixing bolts 10/100 (4 per surface fixing post)	0.2	109.17.393		0.2	109.17.393	
Cover cap for sub-surface socket		100.12.773			101.12.156	
Chain eye for wall fixing		109.17.947			109.17.947	
Red reflector ring – recommended 2 per post						

70 x 70mm	TRAFFIC-LINE Barrier Posts – Wall thickness 2.0mm							
Finish	Colour	Chain eyes	Sub-surface fixing O/all height 1,330mm (330mm sub-surface)			Surface fixing Height 1,000mm		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised and painted	red/white	0	6.7	102.12.561	5 / 10 days	7.3	102.12.682	5 / 10 days
		1		102.12.841			102.10.420	
		2		102.12.358			102.10.515	
	black/yellow	0		102.11.765	15 / 20 days		102.11.448	15 / 20 days
		1		102.12.721			102.11.354	
		2		102.10.550			102.12.310	
Hot dip galvanised and red reflective bands	zinc grey – red	0		102.10.639	5 / 10 days		102.10.702	5 / 10 days
		1		102.13.005			102.11.632	
		2		102.10.825			102.12.588	
Hot dip galvanised	zinc grey	0		102.12.425			102.11.263	
		1		102.11.392			102.12.213	
		2		102.12.346			102.10.035	
Powder coated	red/white	0		102.10.508			102.10.977	
		1		102.10.165			102.11.920	
		2		102.11.110			102.12.970	

90mm Ø	TRAFFIC-LINE Barrier Posts – Wall thickness 2.5mm							
Finish	Colour	Chain eyes	Sub-surface fixing O/all height 1,330mm (330mm sub-surface)			Surface fixing Height 1,000mm		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised and painted	red/white	0	8.5	103.10.646	5 / 10 days	8.6	103.10.703	5 / 10 days
		1		103.11.576			103.10.157	
		2		103.10.382			103.11.100	
	black/yellow	0		103.11.316	15 / 20 days		103.12.047	15 / 20 days
		1		103.12.272			103.12.995	
		2		103.10.091			103.10.814	
Hot dip galvanised and red reflective bands	zinc grey – red	0		103.12.617	5 / 10 days		103.10.446	5 / 10 days
		1		103.11.594			103.11.381	
		2		103.12.553			103.12.335	
Hot dip galvanised	zinc grey	0		103.13.134			103.11.288	
		1		103.10.600			103.12.242	
		2		103.11.530			103.10.063	
Powder coated	red/white	0		103.12.492			103.11.007	
		1		103.10.310			103.11.946	
		2		103.11.254			103.12.900	

Accessories						
Description	TRAFFIC-LINE Barrier Posts 70 x 70mm			TRAFFIC-LINE Barrier Posts 90mm Ø		
	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Non-lockable surface socket	3.6	102.10.906	5 / 10 days	4.1	103.10.698	5 / 10 days
Surface fixing bolts 10/100 (4 per surface fixing post)	0.2	109.17.393		0.2	109.17.393	
Cover cap for sub-surface socket		102.13.107			103.11.933	
Chain eye for wall fixing		109.17.947			109.17.947	
Red reflector ring – recommended 2 per post						

Barrier Posts



- For Indoor and Outdoor use
- All steel construction
- Self-righting
- Minimizes damage



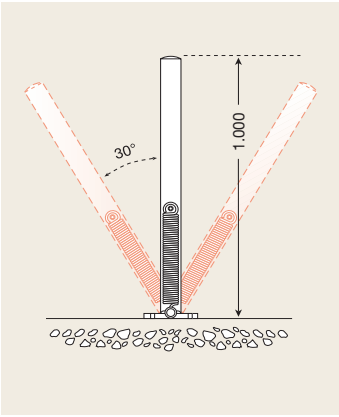
TRAFFIC-LINE
Self-righting Barrier Post

The **TRAFFIC-LINE** Self-righting Barrier Post is ideal for restricted manoeuvring areas where a high risk of damage to property is likely. The post can be deflected up to a maximum of 30° off centre in any direction and will automatically return to its original vertical position. The restriction of 30° reduces the ability of vandals to damage vehicles and nearby property, as can be the case with ordinary self-righting steel posts.

Specification:
Post: 76mm
Wall thickness: 2.9mm
Base plate: 200 x 200 x 10mm

Finish:
Hot Dip Galvanised and Powder Coated.

Versions:
Surface mounting or Sub-surface fix.



Colour	Surface fix Height 1,000 mm			Sub-surface Fix O/all height 1,330 mm, 330 mm Sub-surface		
	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
red/white	11.9	104.15.052	5 / 10 days	10.3	104.16.832	5 / 10 days
black/yellow		104.17.486			104.14.916	
Surface fixing bolts 10/100 (4 required per post – surface fixing type)				0.2	109.17.393	1 / 2 days



- High quality steel
- Profile cylinder lock with 3 keys
- Hot Dip Galvanised
- Automatic locking action

**MINDER A***Removable Barrier Posts*

The **MINDER A** Barrier Post is an ideal choice for use where areas are required to be closed on a temporary or semi-permanent basis, such as paths, access roads, squares, market places etc.

The **MINDER A** is manufactured in strong high quality steel tube and is equipped with a keyed alike profile cylinder lock which self-latches into the ground socket. Three keys are supplied with each post.

Options:

We can offer alternative locking methods or we can install customer issued profile cylinder locks (master key systems).

Finish:

Hot Dip Galvanised and painted red/white.

Installation:

Ground socket concreted into ground.

Accessory:

Cap for ground socket with quick release lock.

Description	Ø x Wall thickness (mm)	Chain eyes	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
With profile cylinder lock + 3 keys, Keyed alike. O/all height 1,330mm (330mm depth sub-surface)	60 x 2.0	0	8.7	135.17.983	5 / 10 days
		1 L		135.17.321	
		1 R		135.19.561	
		2		135.17.753	
	76 x 2.5	0	10.4	135.13.963	
		1 L		135.15.652	
		1 R		135.18.630	
		2		135.18.529	
	70 x 70 x 2.0	0	10.5	135.16.104	
		1 L		135.18.794	
		1 R		135.15.678	
		2		135.16.662	
Cover cap for ground socket. (Self-locking).	60 Ø		0.5	135.17.900	
	76 Ø		0.9	135.15.510	
	70 x 70			135.17.280	

Barrier Posts



- High quality steel
- Easily installed and removed
- Simple, effective locking system
- Hot Dip Galvanised for long service life
- Sub-surface or Surface fixing



MINDER B *Removable Barrier Posts*

The **MINDER B** Barrier Post is an ideal choice for use where areas are required to be closed on a temporary or semi-permanent basis, such as paths, access roads, squares, market places etc. For fully integrated Traffic Control they can be used in conjunction with **TRAFFIC-LINE** Railing Systems and Barrier Posts, incorporating **TRAFFIC-LINE** Chains if required.

The **MINDER B** is manufactured in strong high quality steel tube and is equipped with a lock which is operated by a triangular key.

Finish:

Hot Dip Galvanised and painted red/white.

Installation:

Sub-surface (330mm) socket with locking plate.

Surface mounted locking plate (250 x 100 x 45mm).

Key

Triangular key (sold separately to DIN 3223)



60mm Ø	MINDER B – Wall thickness 2mm							
Finish	Colour	Chain eyes	Sub-Surface Fix O/all height 1,330mm (330mm Sub-surface)			Surface Fix with special locking plate, height 1,000mm		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised	zinc grey	0	7.3	130.12.406	5 / 10 days	7.6	130.12.177	5 / 10 days
		1		130.11.447			130.12.405	
		2		130.10.224			130.11.163	
Hot dip galvanised and painted	red/white	0		130.10.465	15 / 20 days		130.10.107	15 / 20 days
		1		130.10.469			130.12.123	
		2		130.10.674			130.13.073	
	black/yellow	0		130.12.117			130.13.067	
		1		130.10.884			130.11.823	
		2		130.12.775			130.10.608	

76mm Ø	MINDER B – Wall thickness 2.5mm							
Finish	Colour	Chain eyes	Sub-Surface Fix O/all height 1,330mm (330mm Sub-surface)			Surface Fix with special locking plate, height 1,000mm		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised	zinc grey	0	9.6	131.10.765	5 / 10 days	9.4	131.10.590	5 / 10 days
		1		131.10.026			131.11.519	
		2		131.12.483			131.10.301	
Hot dip galvanised and painted	red/white	0		131.11.804	15 / 20 days		131.11.899	15 / 20 days
		1		131.11.699			131.11.829	
		2		131.12.397			131.12.845	
	black/yellow	0		131.11.243			131.12.194	
		1		131.13.143			131.10.654	
		2		131.11.584			131.12.543	

70 x 70mm	MINDER B – Wall thickness 2mm							
Finish	Colour	Chain eyes	Sub-Surface Fix O/all height 1,330mm (330mm Sub-surface)			Surface Fix with special locking plate, height 1,000mm		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised	zinc grey	0	9.8	132.12.656	5 / 10 days	9	132.12.953	5 / 10 days
		1		132.10.082			132.10.775	
		2		132.10.487			132.11.711	
Hot dip galvanised and painted	red/white	0		132.12.385	15 / 20 days		132.12.527	15 / 20 days
		1		132.11.423			132.12.665	
		2		132.12.069			132.10.356	
	black/yellow	0		132.11.027			132.10.498	
		1		132.11.968			132.11.433	
		2		132.12.921			132.12.388	

Accessories	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Surface fixing bolts 10/100 (4 required per post)	0.2	109.17.393	1 / 2 days
Triangular key (please order separately)		130.12.326	
Keep plate	2.9	130.10.004	5 / 10 days
Cover/dirt cap for ground socket	0.1	130.10.931	
MINDER 60mm Ø. Red reflective bands (2 per post)			
MINDER 76mm Ø. Red reflective bands (2 per post)			
MINDER 70 x 70mm. Red reflective bands (2 per post)			

Parking Posts



- Strong steel construction
- Hot dip galvanised for long life
- Surface or Sub-surface fix options
- Lockable by cylinder key or triangular key.



CONTROLLER
Drop-Down Post

The **CONTROLLER** is an effective deterrent to the unauthorised use of restricted spaces, and is particularly effective in areas such as driveways, car parks, restricted areas in commercial, industrial, private and public buildings.

The **CONTROLLER** post can be supplied with chain eyes (please advise direction of tilt) and red reflective bands.

Specification:
Steel post: 70 x 70 mm
Height-Folded down: 78 mm
Locking plate: 140 x 160 x 10 mm

Finish:
Hot Dip Galvanised and painted.

Installation:
Surface fixing and Sub-surface fix.

Versions:
Keyed alike cylinder locking style with two keys – Model A, and Triangular key locking – Model B.

Option:
Individually keyed cylinder locks available to order (no extra cost).

Note:
When ordering with chain eyes, please specify direction of tilt.

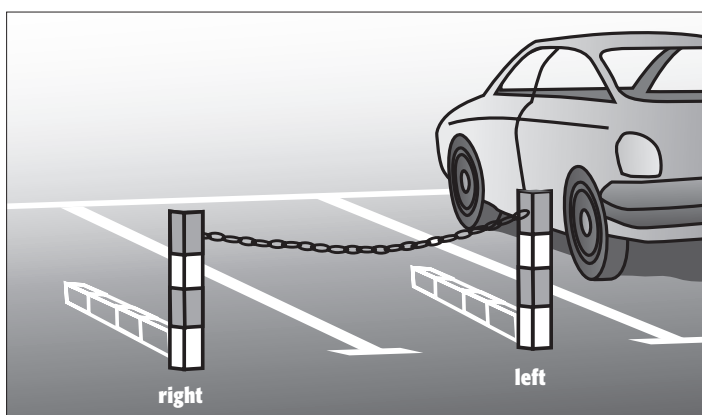


70 x 70mm CONTROLLER A – Wall thickness 2 mm								
Description	Finish	Colour	Surface Fix O/all height 1,000 mm			Sub-Surface Fix O/all height 1,330 mm (330 mm Sub-surface)		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
With cylinder lock – complete with 2 keys. Keyed alike.	Hot dip galvanised	zinc grey	8	116.12.377	1 / 2 days	9.3	116.12.751	1 / 2 days
	Hot dip galvanised and painted	red/white		116.10.429			116.12.098	
		black/yellow		116.10.855	15 / 20 days		116.12.961	15 / 20 days

Accessories		Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Surface fixing bolts 10/100 (4 per post – surface fixing style)		0.2	109.17.393	1 / 2 days
Additional keys for cylinder lock – keyed alike			110.12.571	
Red reflective bands – 2 per post				
Chain eyes – contact us for prices				
Individually keyed cylinder locks –no extra cost				

70 x 70 mm CONTROLLER B – Wall thickness 2 mm								
Description	Finish	Colour	Surface Fix O/all height 1,000 mm			Sub-Surface Fix O/all height 1,330 mm (330 mm Sub-surface)		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
With triangular key – please order separately	Hot dip galvanised	zinc grey	8.2	116.13.017	15 / 20 days	9.5	116.10.390	15 / 20 days
	Hot dip galvanised and painted	red/white		116.12.343	5 / 10 days		116.11.675	5 / 10 days
		black/yellow		116.10.271	15 / 20 days		116.10.783	15 / 20 days

Accessories	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Surface fixing bolts 10/100 (4 per post – surface fixing style)	0.2	109.17.393	1 / 2 days
Triangular key (Please order separately)		130.12.326	
Red reflective bands – 2 per post			
Chain eyes – contact us for prices			15 / 20 days



Please advise tilt direction for post with a chain eye.

Parking Posts



- Elegant, modern design
- Semi-automatic operation
- Mortise cylinder locking
- Corrosion resistant



CONTROLLER-PLUS
*Semi-Automatic
Drop Down Post*

Barrier Posts
and Chains

The **CONTROLLER-PLUS** is engineered to blend with and complement modern building styles, but without sacrificing any of the security features of our range of parking posts, making it suitable for installation in private car parks, drives, commercial properties etc.

The **CONTROLLER-PLUS** is very easily operated – to lower simply unlock, give a gentle push, and the post reclines to the ground. To return to the upright position simply press the pedal located in the base, and it will rise and lock automatically.

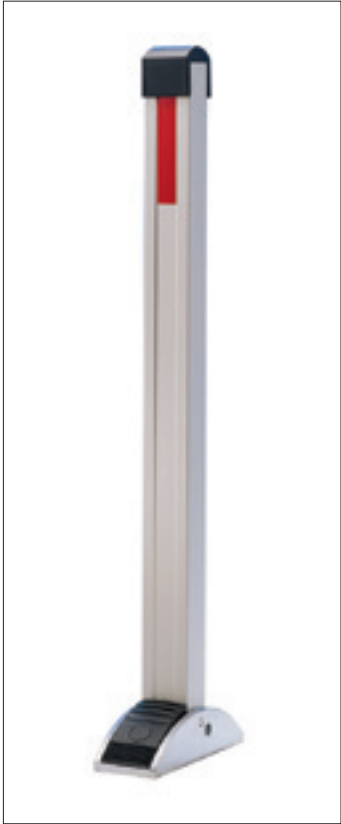
The post features a very low 75 mm in the lowered position making it suitable for use with most cars.

Specification:
Aluminium post: 70 x 50 mm
Wall thickness: 3 mm
Base plate: 250 x 90 mm

Surface treatment:
Anodised aluminium with red reflective strip.

Installation:
Surface mounted.
Fixing bolts supplied.

Locking system:
Mortise cylinder lock with 2 keys supplied. Option of keyed alike or individually keyed.



Lock system	Height (mm)	Locking	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
With mortise cylinder lock + 2 keys	950	Keyed alike	5	114.19.490	1 / 2 days
		Individually keyed		114.14.132	



- Effective, strong deterrent
- Easy to install and operate
- Lockable with padlock (not supplied)
- Option of 3 finishes



DEFENDER

Drop Down Post

For quality, strength and a highly visible deterrence effect, the **DEFENDER** has it all for use in car parks, access to parking bays, driveways etc.

The **DEFENDER** is securely locked in position by means of a 'U' shaped locking pin, secured by a padlock (not supplied). Please ensure padlock shank does not exceed 5 mm Ø.

The **DEFENDER** has a drive over height of 110mm.

Specification:

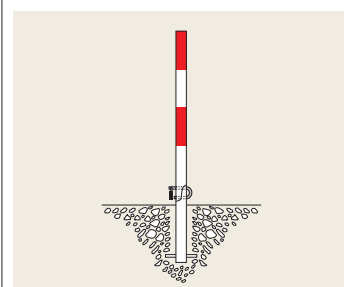
Steel post: 60 mm Ø
 Wall thickness: 2 mm
 Base plate: 160 x 140 x 10 mm
 (Surface fix)

Finish:

Hot dip galvanised or hot dip galvanised and painted.

Installation:

Sub-surface fix (with ground anchor) or Surface fix.



Locking system	Finish	Colour	Sub-Surface Fix O/all height 1,330 mm (33 mm Sub-surface)			Surface Fix Height 1,000 mm		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
With 'U' locking pin for padlock (padlock not supplied)	Hot dip galvanised	zinc grey	8.7	120.10.102	1 / 2 days	8.1	120.12.311	1 / 2 days
	Hot dip galvanised and painted	red/white		120.11.389			120.12.749	
		black/yellow		120.11.990			120.12.019	
Surface fixing bolts 8/100 (4 required per post)						0.2	109.17.393	1 / 2 days
Red reflector bands (2 per post) – contact us for prices								
Chain eyes – contact us for prices								15 / 20 days

Parking Posts



- Strong steel construction
- Surface or Sub-surface installation
- Hot Dip Galvanised for long life
- Suitable for most makes of car



COMMANDER

Drop Down Frame Post

Prevent the unauthorised use of parking spaces by installing the **COMMANDER** Drop Down Frame Post.

The **COMMANDER** Drop Down Post is a strong and effective car parking post for use in car parks – private and public, multi-story car parks, municipal car parks etc. The construction allows for a low clearance height of 68 mm when lowered to suit most makes of cars. The bevelled base helps to protect tyres and hinge mechanism of the post.

Specification:

Steel post: 70 x 50 mm
Wall thickness: 3 mm
Frame width: 750 mm

Frame tube dia.: 33.5 mm

Base plate: 220 x 140 x 68 mm

Finish:

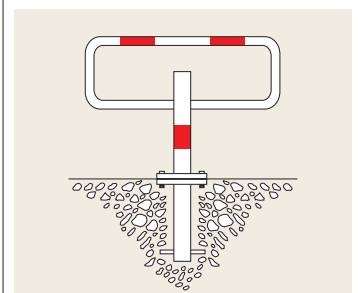
Hot dip galvanised only or hot dip galvanised with two red reflective bands or additionally painted white.

Installation:

Sub-surface or Surface fix.

Lock:

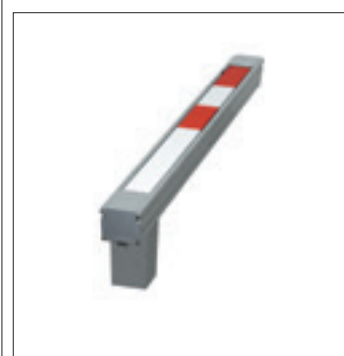
Cylinder lock complete with two keys, we can supply cylinder locks to match existing keys (at no extra cost), or optionally we can supply with a profile cylinder lock. Please ask for details.



Locking system	Finish	Colour	Surface Fix With base plate. Height 570 mm of surface.			Sub-Surface Fix O/all height 900 mm (330 mm Sub-surface)		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
With mortise cylinder lock 2 keys included	Hot dip galvanised	zinc grey	10.9	112.18.153	1 / 2 days	15.5	112.13.935	1 / 2 days
	Hot dip galvanised with reflective red bands	zinc grey/red		112.19.889			112.19.774	
	Hot dip galvanised, painted and with red reflective bands	red/white		112.14.827			112.14.005	
Surface fixing bolts 8/100 (4 required per post- surface fix type)						0.2	109.17.393	
Preparation work for Profile cylinder lock - please ask for price								15 / 20 days



- Strong steel post
- High visual protection
- Flush non trip hazard when lowered
- Recess protected by strong steel plate



COMMANDER-PLUS

Flush-Fitting Drop Down Post

Installation:

It is important that the excavation is properly drained e.g. gravel layer. We do not recommend installation in areas of standing water (e.g. ground water).

Maintenance:

To ensure on going correct function we recommend that all moving parts are cleaned and lubricated at least twice a year.

The **COMMANDER-PLUS** Drop Down Post combines car park space protection with non-trip benefits to pedestrians and cyclists etc.

The steel post recesses into a strong aluminium trough which is installed by concreting into the ground ensuring the top surface of the trough is flush with the ground surface. When the post is in the upright position the trough opening is automatically protected with a strong steel panel.

Specification:

Steel post: 70 x 70mm
Wall thickness: 2mm
Post height: 900mm

Finish:

Hot dip galvanised only or hot dip galvanised and painted.

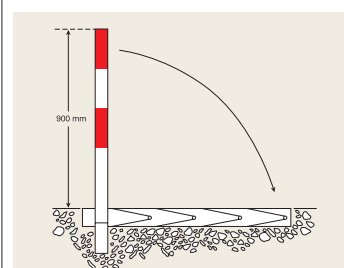
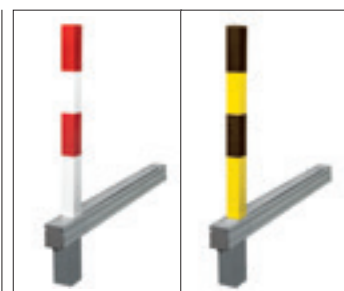
Locking systems:

Mortise cylinder lock – keyed alike including two keys (**COMMANDER-PLUS** Model A) or triangular lock (**COMMANDER-PLUS** Model B) to DIN 3223.

Options:

Red reflective bands. Additional colours in epoxy paint.

Suitable for use with all makes of car.



Height (mm)	Finish	Colour	COMMANDER PLUS A With mortise cylinder lock + 2 keys			COMMANDER PLUS B With triangular key lock (Key extra)		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
900	Hot dip galvanised	zinc grey	23.7	113.11.014	5 / 10 days	23.8	113.12.225	5 / 10 days
	Hot dip galvanised and painted	red/white		113.10.561			113.11.493	
		black/yellow		113.13.584	15 / 20 days		113.16.473	15 / 20 days
Additional keys for cylinder lock						0.2	110.12.571	1 / 2 days
Triangular key for COMMANDER-PLUS B (Please order separately)							130.12.326	
Red reflective bands								

No Waiting Bollards



- Strong durable design
- Easy viewing from three sides
- Easily and quickly deployed
- Stackable

TRAFFIC-LINE
No Waiting Bollard

Site Management

The **TRAFFIC-LINE** No Waiting Bollard is perfect for highlighting and marking off parking restrictions. Manufactured from recycled PVC the three sided design enables the restriction sign to be clearly and easily viewed.

Standards:
Chapter 8 – The Traffic Signs Manual
The Red Book 2013
Traffic Signs Regulations & General Directions

Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
500	4	350.88.005	1 / 2 days



- Suitable for use on public roads
- Tear resistant cellular sleeves
- Blow moulded top with easy grip feature
- 100% recyclable base



TRAFFIC-LINE
Traffic Cones

The **TRAFFIC-LINE** range of Traffic Cones are manufactured to the highest quality and meet all UK regulations for road cones. The TC 1 and TC 2 models are of two part construction with the bases manufactured in recycled material with anti-slip features. The bodies of the cones are fitted with high performance prismatic sleeves for excellent daytime luminance and night time reflectivity. The TC 3 model is of a one piece ballast filled construction with the same high quality sleeve as TC 1 and TC 2.

Standards:
Conforms to requirements of
BS EN 13422
Chapter 8 – The Traffic Signs Manual
The Red Book 2013
Traffic Signs & General Directions

Model	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
TC 1 (two piece)	500	3.3	350.15.478	1 / 2 days
	750	6.3	350.16.862	
	1,000	8.6	350.17.100	
TC 2 (two piece)	460	2.4	350.18.349	
TC 3 (one piece ballast filled)	750	5.6	350.13.537	

Site Management

Traffic Cones

TRAFFIC-LINE Fluorescent Traffic Cones



TRAFFIC-LINE Fluorescent Traffic Cones are ideal for use on private premises and private roads*. They are quickly and easily deployed to warn of hazards or to form a barrier.

Manufactured in bright red-orange PVC with white fluorescent bands for good day light visibility.

Available in three heights:

350 mm with 1 white ring
500 mm and 750 mm with two white rings.

***Please note that these cones do not conform to UK public roads legislation and should only be used as above.**

- PVC one piece construction
- Durable
- Excellent warning effect



Chain attachment kit – for Traffic cones



Simply install by twisting the chain hook into the open top of the cone, the flexible fins will engage securely, and attach chain.

The chain hooks are moulded in white Polyethylene (PE) for flexibility. The chain is our 10 metre M-Poly Visible barrier chain Red/white.

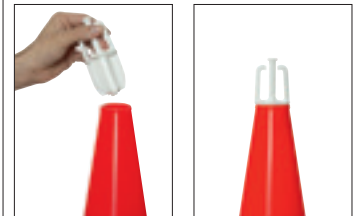
Can also be used with our **TRAFFIC-LINE** Barrier Tape (See page 111)

Kit contents:

5 x Chain Hooks and 10 m red/white Chain (M-Poly Visible).
Please select traffic cones required from pages 106, 108.

Additional chain hooks available in packs of 10.

- Ideal for temporary traffic management
- 2-piece kit
- Value for money



Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
350	1.4	353.15.697	1 / 2 days
500	1.7	353.14.107	
750	3.6	353.19.386	

Description	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Chain hook & chain kit	2.3	353.38.516	1 / 2 days
Chain hook pack 1 pack = 10 pieces	0.8	353.25.477	



- Stable plastic tripod
- Highly reflective sign panels
- Folds down for ease of transportation and storage
- Full range of road signs available
- Supplementary texts available

TRIO
Folding Traffic Signs

The **TRIO** Folding Traffic Sign is quickly and easily deployed to give advance warning of impending hazards such as road works, accident scenes, hazardous zones etc.

Mountable on sturdy plastic folding tripods these signs are produced in strong Vinyl material which ensures a long service life. The sign face meets the requirements of BS EN 12899-1 Class 2 reflectivity and the whole sign meets the requirements of The Red Book 2013.

Specifications:
Stand: Foldable tripod
Material: Plastic
Signs: Vinyl Class 2 reflective



Description of sign	Size (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Men at work	750	5	344.19.625	5 / 10 days
Men at work with "End" Supplementary text		5.25	344.16.313	
Road narrows nearside		5	344.13.504	
Road narrows offside			344.15.782	
Reversible keep left/right		5.5	344.16.373	
Reversible pedestrian arrow	600 x 450	4.5	344.16.548	
Full range of UK folding Traffic Signs is available – POA				

Site Management

Trench Covers/Anti-climb Protection

TRAFFIC-LINE Trench Covers



TRAFFIC-LINE Trench Covers are available in two grades of material, Blow Moulded HDPE and GRP. The HDPE version is lighter to handle and has a SWL of 400 kg, whilst the GRP version is a heavier duty model and features a SWL of up to 700 kg. Both types are non-rusting moulded panels enabling access across excavations. **TRAFFIC-LINE** Trench Covers have anti-trip edges and feature non-slip surfaces as standard.

The HDPE version has the added advantages that it has reflective strips, can be easily handled by one operative and is 100% recyclable.

Specifications:

HDPE Style

Material: High Density Polyethylene
SWL: 400 kg
Colour: Yellow with reflective strips
Standards: National Grid T/SP/E/42
The Red Book 2013

- Easy installation – easy management
- Anti-slip features – even when wet
- Reduce theft – no scrap value

GRP Style

Material: Glass Reinforced Plastic
SWL: 700 kg
Colour: Yellow

LADDER-SENTRY Anti-climb Protection



The **LADDER-SENTRY** provides an effective, quick and simple method of preventing unauthorised scaling of ladders.

Easy to fit, the **LADDER-SENTRY** comes complete with securing chain and padlock ready for immediate use to protect ladders on construction sites, fixed access ladders, roof ladders etc.

Manufactured in aluminium for corrosion resistance, the **LADDER-SENTRY** is also available in 325 mm width. Keyed alike padlocks are a further option.

- Quick & easy to fit and remove
- Prevents unauthorised scaling of ladders
- Fits most ladders in seconds
- Secured by padlock

HDPE Trench Cover SWL 400kg	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1,200 mm L x 800 mm x 40 mm H	Yellow	10	279.55.350	1 / 2 days

GRP Trench Cover SWL 700kg	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1,200 mm L x 800 mm	Yellow	16	279.16.555	1 / 2 days

Dimensions (mm) W x L	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
250 x 1,500	4	400.10.520	1 / 2 days

TRAFFIC-LINE Barrier Tapes



TRAFFIC-LINE Barrier Tapes are ideal for quickly and cost effectively highlighting and cordoning off hazardous areas.

These tear-resistant polyethylene barrier tapes are supplied in a useful dispensing carton for quick and controlled deployment in emergency situations.

- Extra strong tear-resistant tape
- Printed both sides
- UV resistant print
- Supplied in handy dispenser packs
- New: recycled version

NEW:
Barrier tapes made from recycled Polyethylene. Certified with the German “Blue Angel” eco-label, which certifies these tapes are free from PVC and heavy metals. Packed in handy dispensing carton as standard tapes.

Colour	Dimensions	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
NEW! recycled, red/white	80 mm W x 500 m L	1.5	330.25.943	1 / 2 days
red/white			330.10.147	
black/yellow			330.12.762	

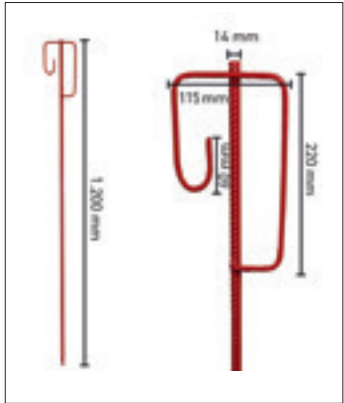
TRAFFIC-LINE Barrier Tape Stands



These stands are simply pushed into the ground for the quick and easy deployment of Barrier Tapes.

Dimensions:
1,200 x 115 mm, 14 mm Ø

- Quick and easy to use
- Forged steel pointed tip



Colour	Dimensions (mm) H x Ø	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
red	1,200 x 14	2	339.12.480	1 / 2 days

Site Barriers



- Strong steel construction
- Chain hooks incorporated
- Quick and easy deployment
- Red reflective warning strips
- Two versions

FLEXI

Extendable Trellis Barriers

These exceptionally strong expanding barriers are very quickly and easily deployed to highlight no go areas on garage forecourts, closing off lift access, access ways, exits and entrances, hazardous areas, spills etc.

Available in two versions –
As detailed below.

FLEXI-LIGHT Barrier

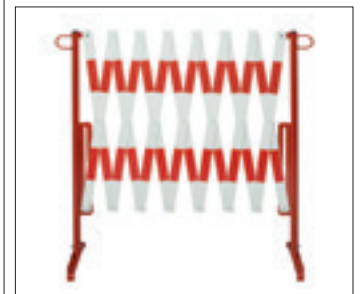
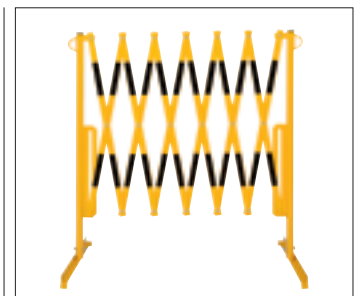
Light duty model

Height: 1,000mm
Trellis bars: 25 mm x 4 mm
Foot depth: 500 mm
Finish: Red/white dip painted
Red reflective strips
Black/yellow dip painted
Net weight: 12 kg

FLEXI-BARRIER

Heavy duty model

Height: 1,000 mm
Trellis bars: 40 mm x 5 mm
Foot depth: 500 mm
Finish: Red/white dip painted
Red reflective strips
Net weight: 24 kg



Model	Max. width (mm) (when extended)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
FLEXI-LIGHT Barrier red/white	3,600	13	340.11.363	1 / 2 days
FLEXI-LIGHT Barrier black/yellow			340.88.015	
FLEXI-Barrier	4,000	25	340.12.455	



TRAFFIC-LINE
Crowd Barriers – HDPE

This innovative Crowd Barrier is manufactured in virgin HDPE with no screws or rivets used in the assembly. It is completely recyclable and will not rust, is remarkably durable and strong ensuring a long productive life-cycle. Lighter than traditional metal barriers it is easily handled and deployed on flat or uneven ground. Easily stacked for storage due to 360° swivel feet

Suitable for crowd control, festivals, events, queue control etc.

Specification:

Material: High Density Polyethylene (HDPE)

Colour: Grey

Feet: Black HDPE

- No sharp edges
- Feet swivel for compact storage
- Strong durable construction
- Easily and quickly deployed
- Deployable on uneven ground
- Recyclable



Dimensions (mm) W x H x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
2,000 x 1,100 x 50	9.9	230.31.607	1 / 2 days

Site Barriers

TRAFFIC-LINE Pedestrian Safety Barriers – HDPE



The **TRAFFIC-LINE** Pedestrian Safety Barrier is easily and quickly deployed to warn pedestrians of potentially hazardous situations. Now produced in High Density Polyethylene (HDPE) it features a higher reflective area to meet various legislations. Available in 3 gate or 4 gate versions, the barrier is easily deployed and despite being lighter in weight is remarkably stable when used.

The **TRAFFIC-LINE** Pedestrian Safety Barrier is fully approved by Openreach.

- Quickly and easily deployed
- Highly stable and durable
- Light weight moulding
- Moulded in strong HDPE
- Recyclable

Specification:

Frame: High Density Polyethylene (HDPE)

Gates: 3 or 4

Colour: Red with red/white reflective panels

Standards:

Reflectivity requirements of
BS EN 12899-1
Chapter 8 – The Traffic Signs Manual
Safety at Work & Road Works – a Code of Practice
Traffic Signs Regulations & General Directions

TRAFFIC-LINE Works Barriers – HDPE



TRAFFIC-LINE Works Barriers are manufactured in HDPE material which is UV resistant, and is coloured bright orange with red/white reflective panels which makes them highly visible in day or night conditions. The Barriers can be connected to each other by a 'hook and eye' system, which makes them very adaptable for use on uneven ground. The Barriers are lightweight but stable incorporating non-trip feet that swivel 360° for compact transportation and storage. These barriers are suitable for applications involving road works, construction sites, events etc.

Specifications:

Material: High Density Polyethylene

Colour: Orange

Panel: Red/white reflective

Feet: Black HDPE

Standards:

Conforms to requirements of BS EN 8442
Reflectivity to BS EN 12899-1
Chapter 8 – The Traffic Signs Manual
The Red Book 2013
Traffic Signs Regulations & General Directions

- Quickly and easily deployed
- All plastic construction
- Non-trip feet swivel 360°
- Moulded in lamp carrier
- Reflective panels for high visibility
- Recyclable



Dimensions (mm) W x H x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1,000 x 750 x 20	3 Gate 5.4	341.31.288	1 / 2 days
	4 Gate 7.2	341.33.159	

Dimensions (mm) W x H x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
2,000 x 1,000 x 50	14	230.27.647	1 / 2 days



- Improved for fast and easy assembly
- Reflective panels for high visibility in poor light
- Completely recyclable



TRAFFIC-LINE

Barrier Board Systems

TRAFFIC-LINE Barrier Board Systems are an effective and versatile system of traffic and pedestrian control, and are ideally suited to cordon off road works, excavation sites, building sites etc.

Now much improved with stronger boards more easily fixed into redesigned upright posts moulded in HD Polyethylene (HDPE). The redesigned bases are manufactured from recycled materials and can be doubled up for greater stability.

The New **TRAFFIC-LINE** Barrier Board System is compatible with existing systems, so no need to scrap your existing system. The system at end of life is completely recyclable.

MIRA Wind Tunnel tests confirm stability of the system as below:

Assembled format	Windspeed (mph)
Recommended Ballast weight (kg)	
2 posts, 2 Planks, 2 Bases	20.6 0
2 posts, 2 Planks, 2 Bases	40.3 10
2 posts, 2 Planks, 2 Bases	59.8 25
4 posts, 8 Planks, 4 Bases (Boxed)	61.6 20

Standard BS 8442:2006 states all temporary traffic barriers must be able to withstand 3 different classes of wind speed with the use of ballast as below:

Class A:	26.3m/s	(58mph)
Class B:	17.6m/s	(39mph)
Class C:	8.7m/s	(19mph)

Standards:

Conforms to BSEN 8442
Reflectivity to BSEN 12899-1
Chapter 8 – The Traffic Signs Manual
The Red Book 2013
Traffic Signs Regulations & General Directions

Specification:

Height:	1,170
Material:	HDPE
Colour:	
Posts:	Orange
Planks:	Orange with red/white reflective panels
Feet:	Recycled material
Colour:	Black

Description	Length (mm)	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
HDPE Plank	1,250	red/white reflective	2.0	361.26.598	1 / 2 days
	2,000		2.75	361.28.283	
Upright	1,170	orange	1.5	361.23.859	
Base	N/A	black	4.5	361.29.439	

Site Barriers



- Easily & Quickly deployed
- Sturdy HDPE construction
- Anti-trip features
- Available in red and white
- Just fill with water

TRAFFIC-LINE-Water
Filled Barrier/Separator



The **TRAFFIC-LINE** Water Filled Barrier is specially designed for ease of use and handling.

Incorporating an anti over fill feature it's unique design creates a safer environment for pedestrians, and makes a bold eye-catching separator for traffic and pedestrian ways. It is easily connected using our 'S' clips, and can be positioned back to back over exposed manhole covers and holes. Weighing just 5.5kg when empty it is easily positioned prior to filling with water to reach it's 27.5kg

operational weight. Reflective red/white panels add to the barriers visibility in most light conditions.

At end of life the barrier is completely recyclable.

Standards:
Reflectivity requirements of
BSEN 12899-1

Colour	Dimensions H x W(mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
red	800 x 1,040	5.5	361.34.453	1 / 2 days
white			361.36.154	

TRAFFIC-LINE Traffic Posts Flexible Posts

TRAFFIC-LINE Flexible Posts are a lightweight cylinder used to guide traffic or provide warning of approaching hazards. Manufactured in HDPE material with Retro-reflective sleeves they are used to separate single lines of traffic around or through a temporary obstruction, to form a barrier between contra-flow traffic on motorways and dual carriageways etc. A special joint in the base ensures that they are self-righting after a collision.

An integral bayonet connector fits into the optional base which can be bolted to the ground or fixed with a commercial adhesive.

Standards:

Conforms to requirements of
BS EN 13422
Chapter 8 – The Traffic Signs Manual
The Red Book 2013
Traffic Signs Regulations & General
Directions

- Use Indoors and Outdoors
- Easily and quickly fixed in 'cats eyes' or optional base
- Highly visible day or night
- Self-righting

Specification:

Diameter: 100mm

Material: High Density Polyethylene (HDPE)

Colour: red/orange

Sleeve: Retro-reflective sleeve-cellular construction

Base:

Material: Recycled plastic

Colour: Black

TRAFFIC-LINE Traffic Posts Memory Posts

TRAFFIC-LINE Memory Posts are a lightweight cylinder used to guide traffic or provide warning of approaching hazards. Manufactured in HDPE material with Retro-reflective sleeve they are used to separate single lines of traffic around or through a temporary obstruction, to form a barrier between contra-flow traffic on motorways and dual carriageways etc.

An integral bayonet connector fits into the optional base which can be bolted to the ground or fixed with a commercial adhesive.

Standards:

Conforms to requirements of
BS EN 13422
Chapter 8 – The Traffic Signs Manual
The Red Book 2013
Traffic Signs Regulations & General
Directions

- Use Indoors and Outdoors
- Easily and quickly fixed in 'cats eyes' or optional base
- Highly visible day or night

Specification:

Diameter: 100mm

Material: High Density Polyethylene (HDPE)

Colour: red/orange

Sleeve: Retro-reflective sleeve-cellular construction

Base:

Material: Recycled plastic

Colour: Black

Model	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
46-BSF	460	1.5	291.18.800	1 / 2 days
76-BSF	760	2	291.18.390	
100-BSF	1,000	2.5	291.13.489	
Recycled base (270mm Ø)		2	291.11.145	

Model	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
46-BSM	460	1.5	290.17.551	1 / 2 days
76-BSM	760	2	290.16.336	
100-BSM	1,000	2.5	290.19.525	
Recycled base (270mm Ø)		2	291.11.145	

Traffic Posts



- Use Indoors and Outdoors
- Easily and quickly fixed into optional base
- Highly visible day or night
- Self-righting



TRAFFIC-LINE

Traffic Posts Off-Highway

TRAFFIC-LINE EU-Flexible Posts are a lightweight cylinder used to guide traffic or provide warning of approaching hazards. Manufactured in HDPE material with Retro-reflective sleeves they are used on non-public roads, private property such as distribution depots, warehouses, car-parks etc. A special joint in the base ensures that they are self-righting after a collision.

An integral bayonet connector fits into the optional base which can be bolted to the ground or fixed with a commercial adhesive.

Specification:

Diameter: 100mm

Material: High Density Polyethylene (HDPE)

Colour: red/orange
black/yellow

Sleeve: Retro-reflective sleeve-cellular construction – red/white
Retro-reflective sleeve-cellular construction - black/yellow

Base:

Material: Recycled plastic

Colour: Black

Note:

These posts **do not** conform to British Standards. **Not** to be used on Public highways.



Model	Height (mm)	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
46-TL	460	red-white	1.5	291.10.114	1 / 2 days
		black-yellow		291.28.861	
76-TL	760	red-white	2	291.12.496	
		black-yellow		291.25.790	
100-TL	1,000	red-white	2.5	291.11.558	
		black-yellow		291.27.118	
Recycled base (270 mm Ø)	60	black	2	291.11.145	

FLEXBack Traffic Post



The **FLEXBack** Traffic Post is a single piece guide post with an integrated base which anchors onto a suitable surface.

Manufactured in a special thermo-plastic polyurethane (TPU), **FLEXBack** posts can be driven over without causing damage, returning to their upright position time and time again.

Moulded in Signal red with reflective white bands for high visibility they are used in areas such as car-parks, distribution centres, forecourts etc.

Specification:

Height: 460 mm
with two white stripes.
760 mm
with three white stripes.
1,000 mm
with four white stripes.
Post: 80 mm Ø
Integral base: 200 mm Ø

Note:

These posts **do not** conform to British Standards. **Not** to be used on Public highways.

- Easily installed
- Highly visible
- Self-righting
- Long lasting



Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
460	2	290.22.452	1 / 2 days
760	2.5	290.23.682	
1,000	3.0	290.28.332	

TRAFFIC-LINE Flexible Verge Markers



TRAFFIC-LINE Flexible Verge Markers are the safe and effective method of highlighting road edges, bends etc. Manufactured in recyclable polyethylene they will withstand vehicular impact, and built in design features minimise injury to motorists, cyclists and pedestrians. They are widely used on public roads, drives, private roads, motor racing circuits etc.

Easily installed, the design incorporates a ground anchor and is produced in material that has rebound properties.

Specification:

Material: UV stabilised Polyethylene (PE)
Colour: Black/white
Reflectors: Shatterproof Red and white
Class: Class 1 or 2

Standards:

Traffic Signs Manual Chapter 4 2004 (Warning Signs).

- Easily installed
- Corrosion free
- UV stabilised
- Maintenance free
- 100% recyclable material

Model	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
100-VM	1,097 O/all (997 mm above ground)	1.1	168.26.477	1 / 2 days

Traffic Posts



- Use Indoors and Outdoors
- With chain eyes
- Easily and quickly fixed into optional base
- Highly visible day or night
- Effective 'Keep Out' warning

TRAFFIC-LINE

Traffic Posts – with Chain Eyes

Cordon areas off economically and effectively with this innovative product. Based on the standard Off-Highway Traffic Post, the addition of chain eyes makes this post an effective barrier system. Simply thread the chain through each eyelet and secure start and end posts with links or hooks.

This system provides a highly visible barrier in day or night conditions and is used in car-parks, logistics depots, warehouses, public spaces, private road etc. on both temporary and permanent applications.

An integral bayonet connector fits into the optional base which can be bolted to the ground or fixed with a commercial adhesive.

Specification:

Diameter: 100 mm

Material: High Density Polyethylene (HDPE)

Colour: red/orange

Sleeve: Retro-reflective sleeve-cellular construction – red/white

Base:

Size: 270 mm Ø x 60 mm H

Material: Recycled plastic

Colour: Black

Our recommended chain for this system is our **M-POLY Visible 6**.

Maximum spacing between posts: 2 m.

Note:

These posts **do not** conform to British Standards. **Not** to be used on Public highways.



Model	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
100-TL	1,050	2.7	290.22.907	1 / 2 days
Recycled base (270 mm Ø)		2	291.11.145	



- For Indoor use
- Variable mounting height
- Red/white retro-reflective sleeve
- Highly visible day or night

TRAFFIC-LINE Guide Posts – Suspended

The **TRAFFIC-LINE** Guide Post is manufactured in Polyethylene material, with red/white retro-reflective panels for high visibility day and night. It is designed to be attached to the floor and the ceiling by means of a cable kit which can be tensioned.

It is primarily intended for use in identifying shafts, air intakes, conduits – in fact any wall projection or hazard in buildings where there is traffic movement e.g. multi-story car-parks, underground garages etc. as well as highlighting traffic ways, entrances and exits.

Specification:

Post: 100 mm Ø
Material: Polyethylene
Colour: Red/white retro-reflective sleeve
Steel cable: 2,500 mm L (includes clamps and turnbuckle).



Installation	Height (mm)	Delivery weight (kg/ea.)	Reference	Typical delivery time (working days)
red-white	950	2.5	290.28.881	5 / 10 days
black-yellow			290.22.266	

Kerb/Hose/Cable Ramps

TRAFFIC-LINE Kerb Ramps – HDPE



The **TRAFFIC-LINE** Kerb Ramp is manufactured in High Density Polyethylene (HDPE) for strength and durability. It can accommodate kerb heights from 75mm to 125mm and can be fixed permanently if desired via four fixing holes moulded in. The surface is embossed with an anti-slip pattern making it safe in use.

Easily transported for use by delivery drivers and ideal for use in hospitals, warehouses, airports, storage depots etc.

Specification:

Material: High Density Polyethylene (HDPE)

Colour: Yellow

SWL: 250 kg

- Easy to transport – lightweight
- HDPE – no corrosion worries
- Handles incorporated for easy lifting
- Effective anti-slip surface
- Recyclable

Standards:

Conforms to National Grid T/SP/E/42
A Code of Practice 2013



Dimensions (mm) W x D x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
985 x 1,200 x 90	8	279.32.506	1 / 2 days

TRAFFIC-LINE Kerb Ramps – GRP

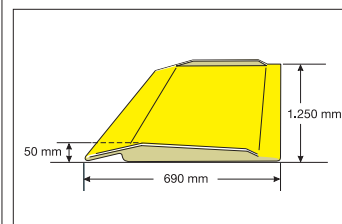


TRAFFIC-LINE GRP Kerb Ramps are a useful aid in moving loads from one level to another. They are an effective alternative to other materials used as ramps such as plywood, steel, tarmac, concrete etc. plus they have no scrap value, reducing the risk of theft. Highly suitable for use in areas such as hospitals, delivery drivers, warehouses, airports, storage depots etc.

Available in two versions – standard with SWL 350kg and Heavy duty with SWL 750kg making the latter capacity suitable for motorised wheelchairs.

TRAFFIC-LINE GRP Kerb Ramps are manufactured in bright yellow material with a textured non-slip surface with reflective strips for additional visibility and bolt down points in all four corners.

Compliant with UK & European legislation.



- Easy to transport – lightweight construction
- GRP material – no corrosion worries
- Anti-slip surface
- Non slip rubber feet
- Reflective strips



SWL (kg)	Dimensions (mm) W x D x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
500	690 x 1,250 x 50	9	279.18.230	1 / 2 days

TRAFFIC-LINE Hose/Cable Ramps



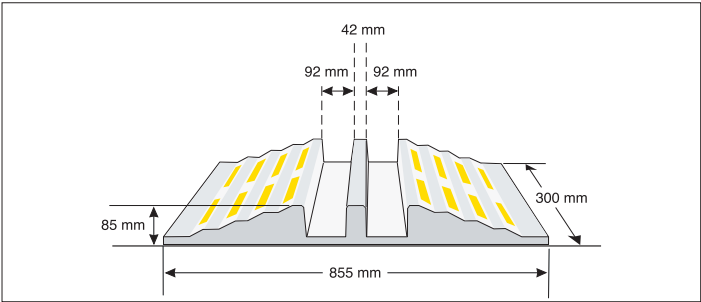
The **TRAFFIC-LINE** Hose/Cable Ramp is a quick and easy method of protecting cables and hoses from passing traffic up to HGV weight (40 tonnes).

Ideal for temporary or semi-permanent situations they can be used individually or joined together. Used by many fire brigades these versatile ramps are also used by contractors, building sites, pumping operations etc.

Specification:
Size (mm): 855 L x 300 W x 85 H
Material: Rubber
Colour: Black with yellow reflective strips
Capacity: 2 x 75mm Ø Hoses/Cables

Other sizes available – please ask for details.

- Easily and quickly deployed
- Extremely resilient
- Yellow reflective strips for day/night visibility
- Reduces traffic speed



Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
855 x 300 x 85	13	279.14.327	1 / 2 days

TRAFFIC-LINE Kerb Ramps – Rubber



TRAFFIC-LINE Kerb Ramps are an effective and convenient way to allow vehicles, trolleys and wheelchairs to mount kerbs easily. Readily transportable they can be used in various locations such as warehouses, industrial plant, and by private motorists, delivery drivers, etc.

Available in two sizes to meet most applications. The ramps which include highly visible yellow reflective panels also feature channels in the base which allow for the passage of rainwater or can be used to channel cables through etc.

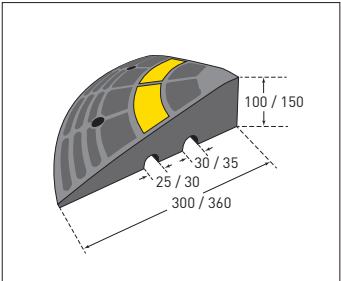
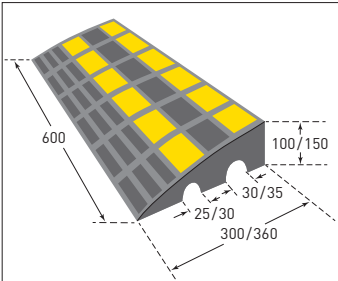
These ramps can also be permanently fixed through pre-formed bolt holes.

- Hard rubber construction
- Suitable for trucks
- Textured surface to aid grip
- Two sizes

Load capacity: 40 tonnes.

NEW: Corner elements:
300 x 300 x 100 mm
360 x 360 x 150 mm

No assembly required, corner elements are simply placed alongside ramp section, they can also be permanently fixed through pre-formed bolt holes.



Description	Dimensions (mm) L x D x H	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Centre section	600 x 300 x 100	black with yellow reflective panels	11	279.23.929	1 / 2 days
	600 x 360 x 150		20	279.20.108	
Corner section	600 x 300 x 100		3.8	279.26.585	
	600 x 360 x 150		7.4	279.28.383	

Kerb/Hose/Cable Ramps

TRAFFIC-LINE Hose/Cable Ramps – Reel form



Effectively manage and protect cables and hoses from drive-over damage with this product. Easily deployed – roll out – cut to length and press cable or hose into the recess – done.

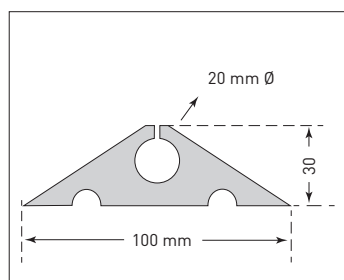
Manufactured in a flexible high strength rubber mixture, it's low 30mm height affords safe and comfortable drive over. The **TRAFFIC-LINE** hose and cable protector provides a low-cost solution for the protection of hoses and cables over long distances.

Extremely strong and durable – can withstand the weight of HGV's and lift trucks.

Maximum recommended drive over speed 5 to 10 mph.

- Manufactured from rubber
- Easily cut to length
- Ideal for roads and construction sites
- Cost effective

Capacity: Hoses and cables up to 20 mm Ø
Dimensions: 100 mm W x 10,000 mm L x 30 mm H



Dimensions (mm) W x L x H	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
100 x 10,000 x 30	black	21	279.26.118	1 / 2 days

TRAFFIC-LINE Cable/Hose Ramps – Small



For fast easy deployment use

TRAFFIC-LINE Cable/Hose Protection Ramps. Manufactured in recycled rubber for long service life, they are designed to protect cables/hoses from light traffic up to HGV trucks. The profiled upper surface has a ribbed anti-slip feature, whilst the bottom surface features anti-slip ribbing.

They are used in areas such as emergency services, construction sites, road works etc.

Drive over height is 65 mm – recommended speed 3–6 mph.

Specification:

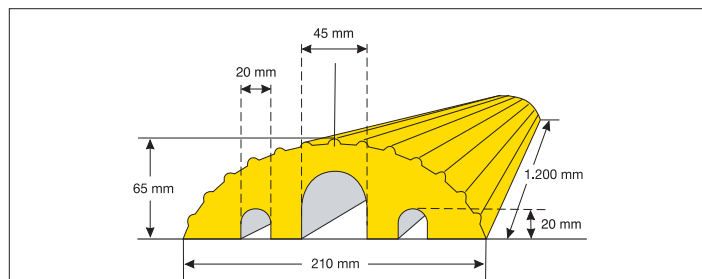
Size (mm): 1,200 L x 210 W x 65 H

Material: Recycled rubber

Colours: Black, Yellow

- Easy and quick to deploy
- Tough flexible materials
- High visibility with alternating Black/Yellow sections
- Protect cables/hoses up to 40mm Ø

Channels: 3 Channels – 1 x 45 mm
2 x 20 mm



Dimensions (mm) L x W x H	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
210 x 1,200 x 65	yellow	12.8	279.28.720	1 / 2 days
	black		279.21.784	

TRAFFIC-LINE Cable/Hose Protection Ramps – 2 Channel

The **TRAFFIC-LINE Cable/Hose Protection Ramp** provides protection to cables and hoses from damage by vehicles and pedestrians. Providing provision for two cable/hoses up to 32mm Diam. this product is not suitable for use with high point load traffic, but will withstand maximum load per axle of 12 tonnes.

Manufactured in hard rubber, complete with yellow high quality polypropylene lid featuring an anti-slip surface, enabling easy top loading of cable/hoses. Each element is easily attached to its neighbour by means of interlocking tabs. This product is designed for temporary installation, not for permanent fitting. Ideal for use in road works, emergency works, construction sites etc.

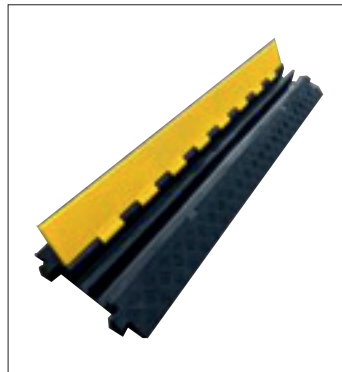
Specification:

Size:
Centre section: 1,000mm L x 250mm B x 50mm H
Channels: 2 each 32mm W x 34mm H
Material – Body: Hard rubber
Material – Cover: Polypropylene
Colour: Body-Black
Lid-Yellow

- Easily & Quickly deployed
- 2 top loading channels
- Interlocking design
- Protective yellow lid
- Suitable for traffic up to HGV's

Note: Length shown is overall and includes fixing lugs. Net length is 970mm.

We recommend that appropriate warning signs are used with this product. Recommended speed 5 mph.



Dimension (mm) L x B x H	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
970 x 250 x 50	black/ yellow	4	279.88.410	1 / 2 days

TRAFFIC-LINE Cable/Hose Protection Ramps – 5 Channel

The **TRAFFIC-LINE Cable/Hose Protection Ramp** provides protection to cables and hoses from damage by vehicles and pedestrians. Designed to withstand passenger and HGV traffic, but not suitable for high point load traffic. Withstands a maximum axle load of 8 tonnes.

Manufactured from a special vulcanised rubber compound, complete with a yellow high quality polypropylene hinged lid featuring an anti-slip surface, enabling easy top loading of cables/hoses. Each element has interlocking tabs, and can be permanently fixed via moulded in anchor bolt recesses. (Anchor bolts supplied separately).

Ideal for use in construction sites, distribution depots, emergency works, road works etc.

Specification:

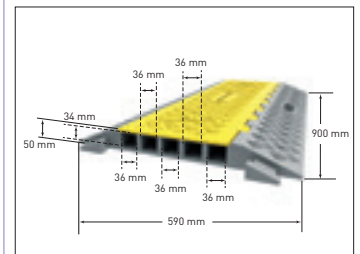
Size:
Centre section: 930 mm L x 500 mm B x 50 mm H
Channels: 5 each 36 mm W x 34 mm H
Material – Body: Hard rubber
Material – Cover: Polypropylene

- Easily and quickly deployed
- 5 top loading channels for cables/hoses
- Interlocking design feature
- With protective lid and carrying handle
- Suitable for traffic up to HGV's (Max. axle load 8t)

Colour: Body-Black
Cover-Yellow

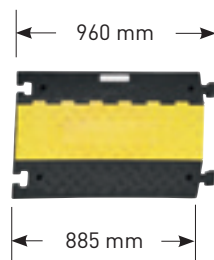
Note: Length shown is overall and includes fixing lugs.
Net length is 900mm.

We recommend that appropriate warning signs are used with this product. Recommended speed 5 mph.

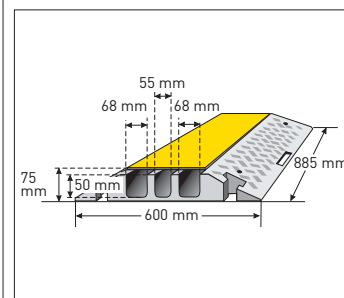


Description	Dimension (mm) L x B x H	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Centre section	590x930x50	black/ yellow	18	279.29.623	1 / 2 days
45° angle (left)	590x570/ 135x50	black/ yellow	9	279.23.599	
45° angle (right)				279.24.283	
End section (male)	590x190x50	black	4.5	279.28.531	
End section (female)				279.21.828	

Kerb/Hose/Cable Ramps



- Quickly and easily deployed
- Interlocking design feature
- Strong robust construction
- Anti-slip hinged top cover



TRAFFIC-LINE Cable/Hose Protection Ramps – 3 Channel

Drive over cables, hoses and pipes without causing them harm. The **TRAFFIC-LINE** Cable/Hose Ramp is produced in a hard wearing combination of rubber and polyethylene (PE). It has non-slip surface features and includes 3 cable/hose channels. The PE lid is hinged so that the cables/hoses can be easily laid into the body of the ramp, whilst the lid, moulded in bright yellow PE, has a highly effective signalling effect.

They are widely used on construction sites, distribution depots, emergency works, road works etc.

The ramp is suitable for HGV use having been tested to take 10 tonne axle weight.

Drive over height is 75 mm – recommended speed 3–5 mph.

We recommend that appropriate warning signs are used with this product.

Specification:

Size (mm):

Centre section: 600 L x 960 W* x 75 H

*Net width 885 mm

Cross-over

section: 597 L x 740 W* x 75 H

*Net width 597 mm

45° angle:

600 L x

500/200 W x 75 H

End section

female:

600 L x 230 W x 75 H

male:

600 L x 220 W x 75 H

Channels:

3 See drawing for sizes.

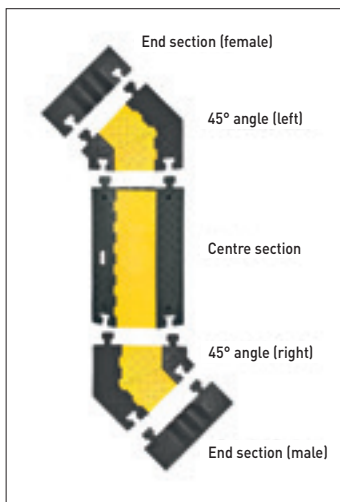
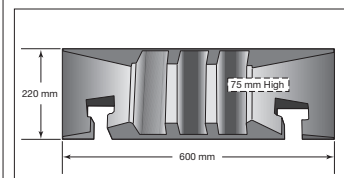
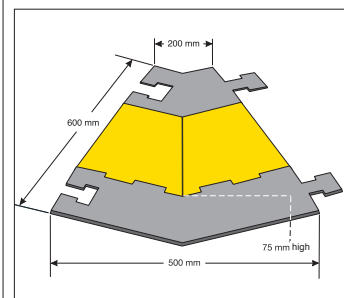
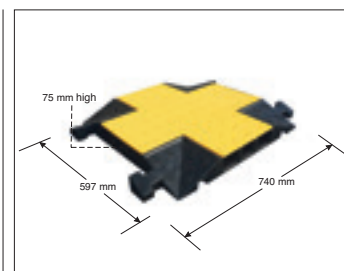
Material:

Body:

Hard rubber

Cover:

Polyethylene (PE)



Description	Dimension (mm) L x W x H	Colour	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Centre section	600 x 960 x 75	black/yellow	26.5	279.23.799	1 / 2 days
Cross-over section	597 x 740 x 75	black/yellow	17	279.24.311	
45° angle (left)	600 x 500/200 x 75	black/yellow	12	279.29.848	
45° angle (right)				279.26.562	
End section (female)	600 x 230 x 75	black	3	279.22.899	
End section (male)	600 x 220 x 75			279.20.233	

TRAFFIC-LINE Wheelchair ramps
for cable/hose ramps



Sturdy wheelchair ramps moulded in recycled rubber, for easy and quick installation on **TRAFFIC-LINE** 3-channel cable/hose ramps (see page 126). Enables wheelchair users to cross cable bridges comfortably and safely. The anti-slip surface and profile of the wheelchair ramp guarantees reliable grip. Cables and hoses are fully protected.

The ramps also make cable/hose ramps easily crossable for wheeled walkers, prams, carts, etc. Load capacity 200 kg.

An essential accessory for organisers of festivals, events or any other situations where hoses/cables are protected by hose/cable ramps,

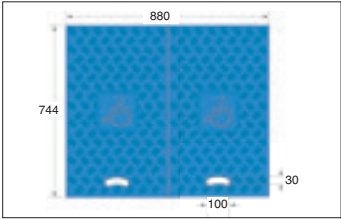
- No fixings required: simply place the elements along the long edges of the cable bridge.
- The cable/hose ramp cover can still be opened.
- 880 mm wide for extra safety and comfort.

Each kit includes 2 ramps.

- Simply install anywhere along the cable/hose ramp run
- Easily installed and uninstalled
- Anti-slip surface
- Carrying handles incorporated

Specification:
Dimensions (1 ramp): 744 x 440 x 75 mm
Colour: Blue
Material: Recycled plastic
Weight: 8 kg

The wheelchair ramps are **not** designed to carry motor vehicles.



Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
744 x 880 x 75	17	279.25.942	5 / 10 days

TRAFFIC-LINE Parking Aids



Parking Bay Markers

An invaluable method of highlighting parking spaces, they are ideal for use in business or public car-parks, underground car-parks, indicating restricted areas etc.

Manufactured from recycled rubber they are supplied in either black or red/brown options, both with white retro-reflective panels.

Fixing bolts for concrete or asphalt are included. Optionally they can be secured with a commercial adhesive.

- Easily installed with bolts supplied
- Defines parking bays
- Reflective strips incorporated
- Made from recycled rubber
- Reduces joy-riding activity



Colour	Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
red/brown	1,200 x 150 x 45	8.5	287.27.076	5 / 10 days
black			287.22.556	

Parking Aids

Wheel Stops

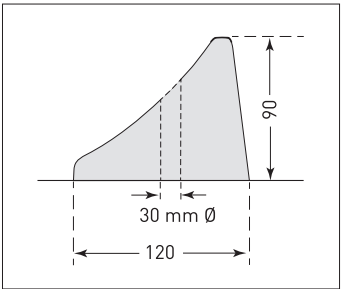


Reduces the risk of damage from vehicle overruns, they protect glass fronted buildings and are used in car-parks surface and multi-story, showrooms etc.

Manufactured from recycled rubber they are supplied in either black or red/brown options, both with white retro-reflective panels.

Fixing bolts for concrete or asphalt are included. Optionally they can be secured with a commercial adhesive.

- Protects buildings.
- Easily installed with bolts supplied.
- Defines end of parking bay.
- Made from recycled rubber.



TRAFFIC-LINE Heavy Duty Wheel Stops



The **TRAFFIC-LINE** Heavy duty wheel stops are essential for controlling the parking of HGV's, trucks, coaches etc. They assist in the protection from damage to buildings, vehicles etc. Manufactured from recycled rubber they are tough and durable, and are designed to withstand many years of use.

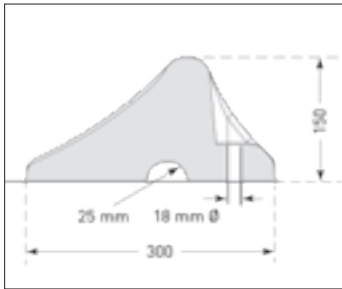
Easily fixed in location with five bolts (supplied) they come with drainage holes and cable channel (up to 20mmØ) moulded in. A bright yellow band across the top ridge allows for good visibility.

Ideal for use in warehouse and distribution locations, ferry ports, coach parks etc.

All fixtures supplied for fixing into concrete or tarmac.

- Moulded from recycled rubber
- Easily installed
- For HGV's etc.
- Drainage & Cable channels
- Hi-vis yellow markings

Can be glued down (please ask for details).



Colour	Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
red/brown	750 x 120 x 90	6.5	287.26.302	5 / 10 days
black			287.20.816	

Colour	Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
black	1,000 x 300 x 150	26.5	284.29.405	1 / 2 days



- Quickly and easily installed
- Highly visible reflective markings
- Long service life
- Oil, heat and UV resistant
- Fixings included



Park-AID® Wheel Stop

The **Park-AID** Wheel Stops are an effective method of preventing parking overruns. Now better than ever with improved surface finish, improved reflective panels and now include covers for the fixing bolt holes. Manufactured from highly compressed re-cycled rubber for a long service life.

Highly visible from all sides the **Park-AID** Wheel Stops are highly adaptable to meet many requirements to reduce damage to vehicles and property, among them being car parks, glass fronted buildings, showrooms etc. They can also be used to separate traffic routes e.g. bicycle and pedestrian paths, vehicular traffic separation from pedestrian paths to name a few.

They can also be installed in areas where drilling into the floor is not permitted e.g. multi-story car-parks by means of our special 3-part adhesive.

Colours:

Black with yellow or white reflective panels
Brick red with white reflective panels.

Fixing bolts included.

Special 3-part adhesive for Park-AID

A specially formulated 3-part resin-based adhesive with fast reacting binder for fixing Park-AID wheel stops onto concrete, asphalt, bitumen and epoxy coated surfaces instead of mechanical anchors.



Colour:

Neutral black/grey RAL 7021

Specification:

17.2 kg of which 5 kg is binding agent
12 kg Quartz sand (filler)
and 0.2 kg hardener

Coverage:

4.5 kg per m² approx.
(at 3 mm thick coverage)

Body colour	Reflective colour	Dimensions (mm) L x D x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Black	White	550 x 150 x 100	4.5	284.26.477	1 / 2 days
	Yellow			284.27.207	
Black	White	900 x 150 x 100	8	284.25.032	1 / 2 days
	Yellow			284.25.716	
Brick-red	White	1,200 x 150 x 100	11	284.26.790	5 / 10 days
Black	White			284.24.168	1 / 2 days
	Yellow			284.29.869	
Brick-red	White	1,800 x 150 x 100	17	284.29.455	5 / 10 days
Black	White			284.28.572	1 / 2 days
	Yellow			284.20.974	
Brick-red	White			284.20.818	5 / 10 days



TIP:

We suggest that PU-coated or extremely smooth polished surfaces are tested for adhesion (spread at 3 mm thickness)

Special adhesive for Park-AID® Wheel Stops

Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
18	284.25.975	5 / 10 days

Speed Ramps



- Quick and easy installation
- Permanent or temporary use
- Moulded in recycled rubber
- High visibility yellow reflective tape and 'cat eyes'
- Fixing bolts included



EasyRide
Speed Reduction Ramp

The **EasyRide** Speed Reduction Ramp is an effective and easily installed method of substantially reducing traffic speed. This is achieved over two heights 55 and 75 mm respectively and a short drive over dimension of 300 mm.

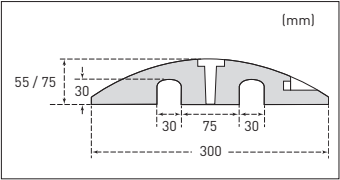
EasyRide is manufactured from recycled rubber and has yellow reflective tape and 'cats eyes' making it highly visible. The flexible nature of the product enables it to conform to most road surfaces and it has two channels 30 mm each which facilitate drainage and can accommodate cables/hoses if required.

Available in two heights:

EasyRide 55
Height 55 mm for speeds up to 6 mph.

EasyRide 75
Height 75 mm for speeds up to 3 mph.

We recommend that appropriate warning signs are used with this product.



Sections	Colour	Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Centre section	black/yellow	300 x 1,800 x 55	35	284.21.993	5 / 10 days
		300 x 1,800 x 75	38	284.25.570	
End caps	black	300 x 225 x 55	3	284.21.702	
		300 x 225 x 75	4	284.23.739	
Surface fixing bolts (4 per centre section, 1 per end cap) Included.		10/150	0.2	284.24.099	



- Effective, comfortable speed reduction
- Easily installed and adaptable
- Recycled rubber
- Yellow reflective panels for visibility day or night
- Textured surface for grip – even when wet
- Suitable for HGV's



SafeRide
Speed Reduction Ramp

Due to the enhanced dimensions of the **SafeRide** a more comfortable crossing is achieved without sacrificing the speed reduction benefits. This is achieved with a wider drive over section that reduces the ramp angle when compared to conventional "speed ramps".

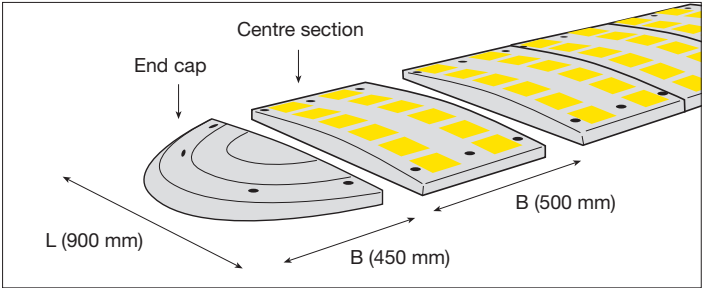
Manufactured in recycled rubber with reflective yellow markings the **SafeRide** calms traffic on business premises, airports, container ports, loading docks, entrances and exits etc.

Available in two heights:

SafeRide 50
Height 50mm for speeds up to 15 mph

SafeRide 75
Height 75mm for speeds up to 10 mph

We recommend that appropriate warning signs are used with this product



Sections	Colour	Dimensions (mm) L x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Centre sections	black/yellow	900 x 500 x 50	17	284.20.824	5 / 10 days
		900 x 500 x 75	20	284.26.552	
End cap – Male	black	900 x 450 x 50	14	284.26.082	
		900 x 450 x 75	16	284.28.854	
End cap – Female		900 x 450 x 50	14	284.25.564	
		900 x 450 x 75	16	284.22.604	
Surface fixing bolts – (6 per Centre section and 4 per End section) Included		10/100	0.2	109.22.755	

Speed Ramps



TOPSTOP-ECO

Speed Reduction Ramps

TOPSTOP-ECO Speed Reduction Ramps are the cost effective method of reducing traffic speeds. They are supplied in three versions to reduce speeds to 5mph, 10mph and 15mph respectively and are extensively used in potentially hazardous situations such as exit and entrance ways, bends, loading bays, weigh bridges, schools, manufacturing and office sites etc.

Manufactured from recycled plastics the **TOPSTOP-ECO** is supplied in alternating yellow and black sections with 'cats eyes' incorporated into the 5Re and 10RE sections for night time visibility.

Available in three heights:

TOPSTOP-ECO 5RE

Height 70 mm for speeds up to 5 mph

TOPSTOP-ECO 10RE

Height 50 mm for speeds up to 10 mph

TOPSTOP-ECO 15RE

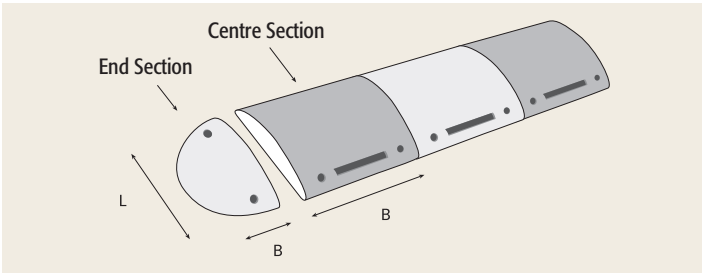
Height 30 mm for speeds up to 15 mph

We recommend that appropriate warning signs are used with these products.



We recommend the use of **TOPSTOP-ECO 10RE** and **15RE** for use on public roads.

Where strong shear loads are likely, we recommend that in addition to bolting down an adhesive is used to secure each section to the road surface.



- Easily and quickly installed
- Recycled plastic
- Contrasting colours for daylight visibility
- Cost effective solution
- Sectional construction to suit site conditions

Description	Section	Colour	Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
TOPSTOP-ECO 5RE	Ramp section	black	500 x 500 x 70	17	281.14.155	1 / 2 days
		yellow			281.18.436	
	End section – male	yellow	500 x 250 x 70	5.5	281.18.224	
	End section – female				281.15.317	
TOPSTOP-ECO 10RE	Ramp section	black	400 x 500 x 50	9.5	281.16.415	
		yellow			281.18.692	
	End section – male	yellow	400 x 200 x 50	4	281.19.480	
	End section – female				281.15.466	
TOPSTOP-ECO 15RE	Ramp section	black	500 x 500 x 30	8.5	281.15.289	5 / 10 days
		yellow			281.16.941	
	End section	yellow	500 x 250 x 30	3	281.17.266	
Fixing bolts (4 per centre section – 2 per end section) Included			10/100	0.2	109.17.393	
2-Component adhesive – for attaching to surface if high shear loads are expected.			Approx. kg/sqm ²	13.4	282.18.654	
				6.7	282.17.343	



TOPSTOPer
Speed Reduction Bump

An extension of our Speed Ramp range which consists of two **TOPSTOP-ECO 5RE** end caps joined end to end to form a circle. They are ideal for effective speed reduction, traffic guidance, separation of traffic and non-traffic areas etc.

Manufactured from recycled plastic, and painted yellow for high visibility they are easy and quick to install.



Traffic Control
and Parking Aids



Dimensions Ø x H (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
500 x 70	11	281.27.458	1 / 2 days
Fixing bolts (4 per piece) Included	0.2	109.17.393	

Speed Ramps



- Easily installed
- Effective speed reduction
- Surface tread ensures grip – even when wet
- Easily adjusts to site conditions
- Suitable for HGV's



TOPSTOP
Speed Reduction Ramps

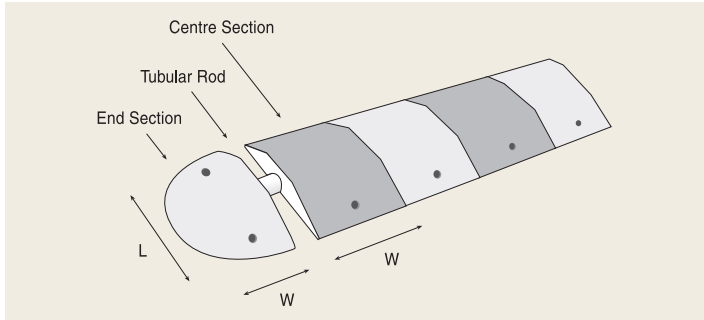
TOPSTOP Speed Reduction Ramps are a proven system of speed reduction in sensitive areas such as weighbridges, bends, entrances and exits to depots, road junctions, loading bays, schools, car-parks, sporting venues etc.

Manufactured from synthetic rubber in yellow and black sections with recessed 'cats eyes', **TOPSTOP** is highly visible day or night. They are easily installed using the bolts supplied. Where there is the likelihood of heavy traffic use or regular HGV use we recommend reinforcing the ramp with steel tube, which also helps in aligning the ramp.

Available in two heights:
TOPSTOP-5
Height 70 mm for speeds up to 5 mph

TOPSTOP-10
Height 50 mm for speeds up to 10 mph

We recommend that appropriate warning signs are used with these products.



Description	Section	Colour	Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
TOPSTOP-5	Ramp section	black	405 x 250 x 70	6.5	280.10.797	5 / 10 days
		yellow			280.12.597	
	End section	yellow	405 x 210 x 70	5.5	280.10.127	
Fixing bolts (2 per section) Included			10/100	0.2	109.17.393	
Reinforcing tube			40 Ø/2 wall	4	280.10.230	
TOPSTOP-10	Ramp section	black	340 x 250 x 50	5	280.11.430	
		yellow			280.12.126	
	End section	yellow	340 x 175 x 50	3	280.12.308	
Fixing bolts (2 per section) Included			10/100	0.2	109.17.393	
Reinforcing tube			27 Ø/2.7 wall	2	280.10.955	



- Solar powered operation
- Highly visible boom arm with red reflective bands
- All aluminium construction



COMPACT
Electronic Boom Barrier

The **COMPACT** Electronic Boom Barrier provides a reliable and effective barrier for small to medium sized entrance/ exit ways. The barrier is powered by a combination of internal battery and solar power. Installation is extremely simple as the unit comes pre-assembled, just bolt down in selected position and fit boom arm to the pivot post assembly. No external electrical supply is required.

The **COMPACT** Electronic Boom Barrier is the ideal barrier for private estate entrances, car-parks, building entrances and exits.

The pivot post is manufactured in aluminium finished in red and the boom arm is produced in 60 mm diameter aluminium with red reflective bands for day or night visibility.



Specification:
Pivot post: 150 x 150 x 920 mm H
Base plate: 200 x 200 x 5 mm
Alu-boom arm: 60 mm Ø

Operational cycles:
Battery 6v: Up to 2,500 cycles/day (approx.)

Solar module: Additional 50 cycles/day (approx.)
Remote control: 12 m range

Manual override provided in case of emergency.

Description	Overall width (mm)	Max. drive through width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Surface mount inclusive of remote control and 6 v battery	1,350	1,200	29.5	223.26.830	5 / 10 days
	1,650	1,500	30	223.21.698	
	2,150	2,000	30.5	223.24.144	
	2,650	2,500	31	223.29.795	
Accessories				Reference	
Additional remote control units				223.20.969	15 / 20 days
Additional 6v Battery				223.23.724	
Charger				223.26.644	

Boom Barriers



COMPACT *System Boom Barriers*



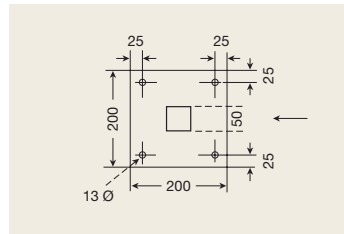


The **COMPACT** System Boom Barrier is designed for ease of use and built to last. The boom arm is manufactured from rectangular Aluminium section and is raised and lowered by means of gas assisted strut for smooth operation. All steel parts are Hot Dip Galvanised and powder coated red for long service life, whilst the boom arm is white with red reflective strips for high visibility day or night, and includes an 'Anti-sit' feature along the top edge.

The **COMPACT** Boom Barrier has many applications including entrances and exits to car-parks, industrial/commercial estates, offices, public buildings etc.

Versions:

With fixed support post or integrated support arm.



The pivot post is surface fixed as standard (sub-surface fix is an option on request). The locking pin of the **COMPACT** Boom Barrier automatically engages with the boom arm in both open and closed positions, and is equipped as standard with a cylinder lock including 2 keys.

Additional locking options are:

Triangular key locking.

Keyed alike cylinder locks.

Customer supplied profile locks.

Dimensions:

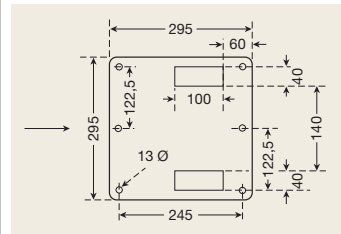
Pivot Post: 220 x 100 x 100 mm

Base plate: 295 x 295 x 10 mm
(Drilled 6 holes 13 mm Ø)

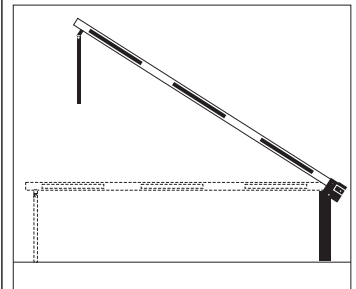
Support arm: 50 x 50 x 1,000 mm H

Base plate: 200 x 200 x 10 mm
(Drilled 4 holes 13 mm Ø)

Alu-Boom Arm: 90 x 60 mm



- Easily installed
- Unique gas-strut assisted operation
- Strong construction
- Lockable
- Compact design



COMPACT System Boom Barrier – with Gas-Strut			With integrated support arm			With fixed support post		
Description	Overall width (mm)	Max.drive through width (mm)	Delivery weight (kg/ea.)	Reference	Typical delivery time (working days)	Delivery weight (kg/ea.)	Reference	Typical delivery time (working days)
Surface fix with Cylinder lock and 2 keys	3,320	2,900	60	222.24.949	20 days	75	222.29.410	20 days
	3,820	3,400	70	222.25.156		85	222.28.372	
	4,320	3,900	80	222.22.549		95	222.25.184	
	4,820	4,400	90	222.27.060		105	222.23.852	
	5,320	4,900	100	222.22.516		115	222.27.798	
	5,820	5,400	110	222.26.548		125	222.20.858	
	6,320	5,900	120	222.24.380		135	222.29.758	

Accessories	Reference	
Replacement triangular key	130.19.874	20 days
Pivot post for sub-surface fix (for use with pendulum support)		
Pivot and support post for sub-surface fix (for use with separate post)		
Triangular key operated lock		
Preparation for locking with Padlock (padlock not supplied)		
Cylinder lock - Keyed alike		

Boom Barriers



COMPACT Counterweight Boom Barrier





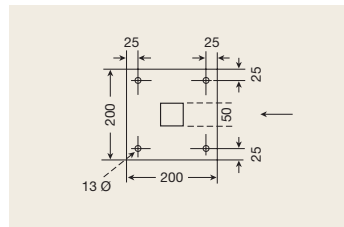
The **COMPACT** Counterweight Boom Barrier is designed for ease of use and built to last. All steel parts are Hot Dip Galvanised and powder coated red for long service life, whilst the aluminium boom arm is white with red reflective strips for high visibility day or night, and includes an 'Anti-sit' feature along the top edge.

The **COMPACT** Boom Barrier has many applications including entrances and exits to car-parks, industrial/commercial estates, offices, public buildings etc.

Versions:

With fixed support post or integrated support arm.

The pivot post is surface fixed as standard (sub-surface fix is an option on



request). The locking pin of the **COMPACT** Boom Barrier automatically engages with the boom arm in both open and closed positions, and is equipped as standard with a cylinder lock including 2 keys.

Additional locking options are:

Triangular key locking.

Keyed alike cylinder locks.

Customer supplied profile locks.

Dimensions:

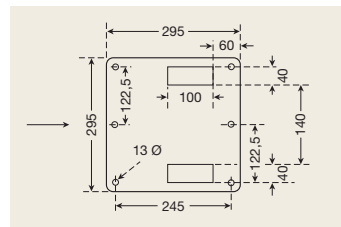
Pivot Post: 220 x 100 x 100mm

Base plate: 295 x 295 x 10mm
(Drilled 6 holes 13mm Ø)

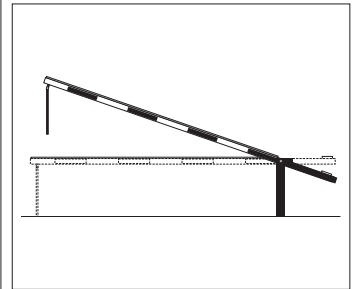
Support arm: 50 x 50 x 1,000mm H

Base plate: 200 x 200 x 10mm
(Drilled 4 holes 13mm Ø)

Alu-Boom Arm: 90 x 60mm



- Easily installed
- Smooth counterweight action
- Strong construction
- Lockable
- Clean modern design



		With integrated support arm				With fixed support post			
	Overall width (mm)	Max.drive through width (mm)	Delivery weight (kg/ea.)	Reference	Typical delivery time (working days)	Max.drive through width (mm)	Delivery weight (kg/ea.)	Reference	Typical delivery time (working days)
Surface fix with Cylinder lock and keys	3,000	1,895	75	226.24.283	20 days	—	—	—	20 days
	3,500	2,395	85	226.23.453		—	—	—	
	4,000	2,895	95	226.20.211		2,895	110	226.29.274	
	4,500	3,395	105	226.23.358		3,395	125	226.25.650	
	5,000	3,895	115	226.26.559		3,895	135	226.29.856	
	5,500	4,395	125	226.20.445		4,395	145	226.27.529	
	6,000	4,895	135	226.26.388		4,895	155	226.25.934	
	6,500	5,395	145	226.28.093		5,395	165	226.24.133	
	7,000	5,895	155	226.23.827		5,895	175	226.28.401	

Accessories	Reference	
Replacement triangular key	130.19.874	20 days
Pivot post for sub-surface fix (for use with pendulum support)		
Pivot and support post for sub-surface fix (for use with separate post)		
Triangular key operated lock		
Preparation for locking with Padlock (padlock not supplied)		
Cylinder lock - Keved alike		

Boom Barriers/Swing Barriers

COMPACT Junior Boom Barrier – Gas-damper action



The **COMPACT** Boom Barrier is especially suitable for narrow to medium width entrances. Thanks to the use of a rectangular section aluminium boom arm this barrier makes a strong statement. The operating action is especially smooth due to the incorporated gas damper.

The standard pivot post is for surface fixing (sub-surface fix is available – please ask for details). Locking in either open or closed position is achieved via a profile cylinder lock as standard with 2 keys.

Specification:

Pivot post:	100 x 100 x 1,000 mm H
Base plate:	200 x 200 x 10 mm (Drilled 4 holes 13 mm Ø)
Alu-boom arm:	90 x 60 mm
Maximum length:	4,500 mm (from 3,500 mm with pendulum support)

- Highly visible – day or night
- All steel work galvanised and powder coated
- Lockable – open or closed
- Gas damper for smooth operation
- Surface or sub-surface options



TRAFFIC-LINE – Control Barrier

NEW!



Steel barrier manufactured from 60 mm Ø x 2mm wall thickness steel tube, with additional knee bar for additional strength and rigidity. Ideal to control access/flow of pedestrians, cyclists, vehicles on footpaths, bridleways and playgrounds etc.

Specifications:

Barrier:	
Height:	1,300 mm
Widths:	1,000, 1,500 and 2,000 mm
Frame:	60 mm Ø x 2 mm Wall
Finish:	Hot Dip Galvanised and Powder coated white with red bands.
Option:	Hot Dip Galvanised only.

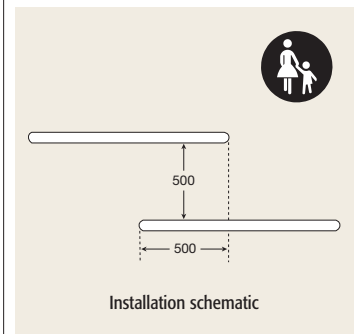
Installation:

Root fix. Rotatable either direction or removable. To rotate/remove, unlock triangular lock, rotate or remove.

Accessories:

Additional ground socket to locate opened barrier.

- Manufactured in High Quality steel
- Knee bars for additional strength
- Root fixed, rotatable or removeable versions
- Can be used as conventional gate barrier
- Ideal solution for controlling pedestrians, cyclists and vehicles.



Description	Overall width (mm)	Max. drive through width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Surface Fix Profile cylinder lock with 2 keys	2,500	1,720	45	224.29.696	20 days
	3,000	2,220	50	224.22.401	
	3,500	2,720	55	224.20.095	
	4,000	3,220	60	224.28.826	
	4,500	3,720	65	224.29.890	

Accessories				
Replacement triangular key			130.19.874	20 days
Pivot post for sub-surface option				
Triangular key lock option replacing cylinder locks				
Cylinder lock - Keyed alike				

Description	Dimensions (mm) H x W	Delivery weight (kg/ea.)	Finish	Reference	Typical despatch time (working days)
Sub-surface fixing	1,300 x 1,000	16.5	Hot dip galvanised and Powder Coated Red/White	201.26.078	15 / 20 days
	1,300 x 1,500	21.2		201.26.437	
	1,300 x 2,000	25.4		201.24.995	
Removable with ground sockets	1,300 x 1,000	20.3		201.24.250	
	1,300 x 1,500	24.3		201.25.781	
	1,300 x 2,000	28.3		201.24.447	
Additional ground socket for when barrier is open				201.27.590	15 / 20 days
Triangular Key				130.12.326	1 / 2 days



- Highly visible barrier arm
- All steel parts Galvanised & Powder coated
- New improved locking options
- KD construction for ease of transport



COMPACT Swing Barrier

The **COMPACT** Swing Barrier represents the new generation of swing barriers with greater functionality plus possessing both modern and visually appealing looks, which will add a greater presence to the entrances of public and commercial buildings, car-parks, sites etc.

Manufactured in steel and aluminium it is supplied complete with 2 support posts for secure location in open or closed positions. All steel parts are Hot Dip Galvanised and powder coated red, the aluminium barrier arm is rectangular in section finished in white with red reflective strips with an 'Anti-sit' feature incorporated.

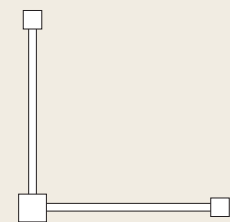
The pivot post on the standard model is for surface mounting (sub-surface version available on request – please ask for details).

The standard model comes equipped with a cylinder lock with two keys and the barrier locks every 90° of rotation.

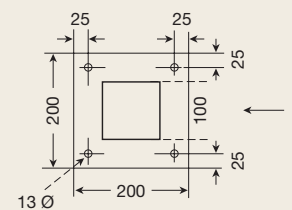
Additional locking options are:
Triangular key locking.
Keyed alike cylinder locks.
Customer supplied profile locks.

Specification:

Pivot post:	100 x 100 x 1,000mm H
Base plate:	200 x 200 x 10mm (Drilled 4 holes 13mm Ø)
Support posts:	50 x 50 x 1,000mm H
Base plate:	200 x 200 x 10mm
Alu-Barrier arm:	90 x 60mm
Alu-strut:	60 x 30mm



Installation schematic



Pivot post

Description	Overall width (mm)	Max. drive through width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
For Surface fix With two support posts; Cylinder lock with 2 keys	2,500	2,205	55	225.24.432	20 days
	3,000	2,705	60	225.24.693	
	3,500	3,205	65	225.29.755	
	4,000	3,705	70	225.29.724	
	4,500	4,205	75	225.28.929	

Accessories	Reference	
Replacement triangular key	130.19.874	20 days
Pivot post for sub-surface option (per set)		
Triangular key locking operation replacing cylinder locks		
Preparation for locking with Padlock (padlock not supplied)		
Cylinder lock - Keyed alike		

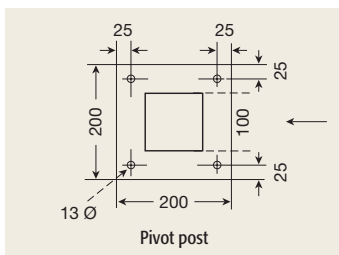
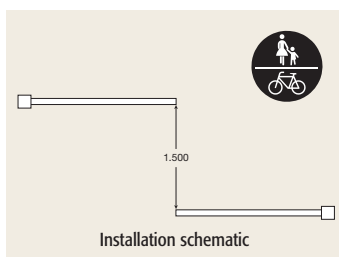
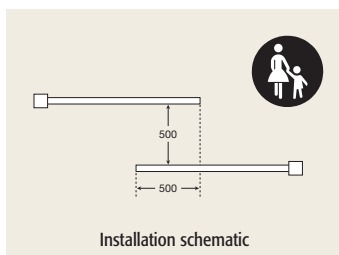
Gate Barriers



- Highly visible barrier arms
- All steel parts Galvanised & Powder coated
- New improved locking options
- KD construction for ease of transport



COMPACT Barrier Gate



The **COMPACT** Barrier Gate represents a new generation of barriers with greater functionality plus possessing both modern and visually appealing looks, which will add a greater presence to the entrances of estates, footpaths, access ways, public areas etc. It is ideal for situations in which pedestrian or cyclist access is permissible, but where general vehicle access is not allowed.

All steel parts are Hot Dip Galvanised and powder coated red, the aluminium barrier arms are rectangular in section and finished in white with red reflective strips with an 'Anti-sit' feature incorporated.

The pivot posts on the standard models are for surface mounting (sub-surface versions available on request – please ask for details).

The standard model comes equipped with cylinder locks and two keys per post and the barrier arms lock every 90° of rotation.

Additional locking options are:
Triangular key locking.
Keyed alike cylinder locks.
Customer supplied profile locks.

Specification:

Pivot posts:	100 x 100 x 1,000 mm H
Base plates:	200 x 200 x 10 mm (Drilled 4 holes 13 mm Ø)
Alu-Barrier arms:	90 x 60 mm
Alu-struts:	60 x 30 mm



Description	Overall width (mm)	Max. drive through width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
For Surface fix Barrier = 2 gates Cylinder lock with 2 keys	1,250	1,050	75	221.29.973	20 days
	1,750	1,550	90	221.22.813	
	2,250	2,050	105	221.27.418	
	2,750	2,550	120	221.21.467	
	3,250	3,050	135	221.25.404	

Accessories			
Replacement triangular key		130.19.874	20 days
Pivot post for sub-surface option (per set)			
Triangular key locking operation replacing cylinder locks			
Preparation for locking with Padlock (padlock not supplied)			
Cylinder lock - Keyed alike (per arm)			



- 1 barrier = two gate wings
- Easy to operate
- Can be locked open or closed
- Compact design



TRAFFIC-LINE
Gate Barrier

These all steel constructed gates are ideal for situations in which pedestrian or cycle access is permitted, but where general vehicle access is prohibited, such as schools, universities, bridges, footpaths, public parks etc.

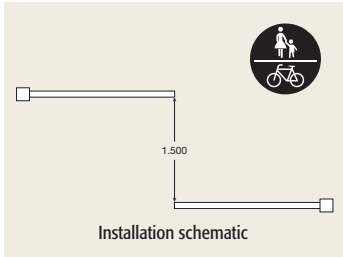
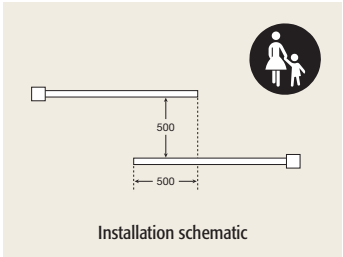
Manufactured in high quality steel, they can be opened like a normal gate, allowing access to authorised vehicles. The gates open through 90° and can be locked in either open or closed positions. Locking bars can be secured with padlocks (not supplied) to prevent unauthorised operation. Standard supply is for the support posts to be embedded in concrete to a depth of 500mm. (Surface mounted option complete with fixing bolts available on request).

All steel parts are Hot Dip Galvanised and painted red, with the gate wings Hot Dip Galvanised and painted red and white.

Specification:

- Pivot post: 100 mm Ø
O/al height: 1,500 mm
(1,000 mm above surface
500 mm sub-surface).
Gate wings: 60 x 30 mm

(Widths over 3 m have additional telescopic support).



Description	Each Gate dim. (mm)	Max. drive through width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Barrier gates One set = 2 Gates	1,380	1,250	75	221.27.337	20 days
	1,880	1,750	90	221.27.647	
	2,380	2,250	105	221.21.054	
	2,880	2,750	120	221.28.968	
	3,380	3,250	135	221.22.500	
	3,880	3,750	150	221.27.058	
Accessories					
Pivot post for surface mounting (per gate)					20 days
Red reflective strips (priced per metre)					
Galvanised finish only (on application)					20 / 25 days

Height Restrictors



COMPACT Access Height Restrictor – Fixed



Strong steel and aluminium construction ideal for restricting access to vans, commercial vehicles, caravans, motorhomes etc. to car parks, traffic lanes, etc.

Comprising of two steel posts, hot dip galvanised and painted red, and a white aluminium cross bar with red retro-reflective strips for day or night visibility. A chain suspended nudge bar is available to reduce height by a further 400mm.

Dimensions:

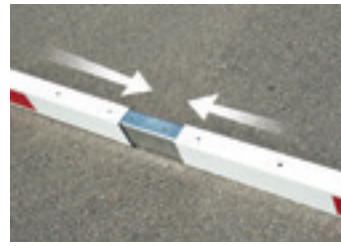
Support Posts: 100 x 100 x 3 mm

O/all height: 3,010 mm

Base plate: 295 x 295 x 10 mm
Drilled 6 fixing holes
15 mm Ø

Aluminium cross-bar: 105 x 60 mm

Max. Headroom: 2,800 mm



Widths: 3,230 to 10,230 mm
(above 6,000 mm Cross Bar is supplied in two lengths and joined using steel insert).

Adjustable heights:
2,800 mm, 2,650 mm, 2,500 mm,
2,350 mm and 2,200 mm.
(Heights can be reduced further by up to 400 mm with optional chain suspended nudge bar)

- Easily installed
- Restricts access
- Five integral height levels
- Strong construction

Options:

Can be supplied for permanent fixing in concrete.

We recommend that appropriate signage is used with this product.

Description	Overall width (mm)	Max. drive through width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
For Surface fix	3,230	3,000	70	305.22.250	20 days
	4,230	4,000	75	305.27.291	
	5,230	5,000	80	305.21.734	
	6,230	6,000	90	305.22.355	
	7,230	7,000	95	305.25.927	
	8,230	8,000	100	305.23.437	
	9,230	9,000	105	305.27.712	
	10,230	10,000	110	305.27.911	

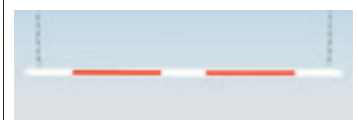
Accessories

Root fixing adapter (2 pieces required)	222.22.548	20 days
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COMPACT

Aluminium Nudge Bar

The **COMPACT** Nudge Bar is an optional accessory for the **COMPACT** Access Height Restrictor. It is manufactured in Aluminium section size 60 x 30 mm, in white with red reflective strips, and reduces the height of the Access Height Restrictor by up to 400 mm. Includes two 6 mm galvanised steel chains and connectors.



Description	Dimensions (mm)	For widths (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Aluminium	2,000	3,000 - 5,000	8	305.21.100	20 days
	4,000	5,000 - 8,000	10	305.23.888	
	6,000	8,000 - 10,000	12	305.21.949	

Height Restrictors



COMPACT Access Height Restrictor-Pivot action



Strong steel and aluminium construction ideal for restricting access to vans, commercial vehicles, caravans, motor-homes etc. to car-parks, traffic lanes etc.

This barrier can be easily rotated to allow access for authorised over-height vehicles, emergency vehicles etc. It is lockable in open or closed positions with triangular key, optional cylinder lock or locking pin secured by padlock (padlock not supplied)

Dimensions:

Support post: 100 x 100 x 3 mm

O/all height: 2,810 mm

Base plate: 295 x 295 x 10 mm
Drilled 6 fixing holes
15 mm Ø

Aluminium cross-bar: 105 x 60 mm

Max. Headroom: 2,650 mm

Widths: 3,205 to
5,205 mm



Adjustable heights: 2,200 mm, 2,350 mm, 2,500 mm, 2,650 mm.
(Heights can be reduced further by up to 400 mm with optional chain suspended nudge bar)

- Easily installed
- Restricts access
- Allows access to authorised vehicles
- Adjustable over 4 heights
- Strong construction

Options:

Can be supplied for permanent fixing in concrete.

Cylinder lock.

Locking pin secured by padlock (padlock not supplied).

We recommend that appropriate signage is used with this product.

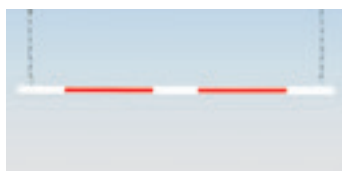
Description	Overall width (mm)	Max. drive through width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
For Surface fix with triangular key	3,205	3,000	55	305.27.817	20 days
	3,705	3,500	60	305.22.859	
	4,205	4,000	65	305.23.208	
	4,705	4,500	70	305.22.147	
	5,205	5,000	75	305.22.810	

Accessories		
Root fixing adapter (2 pieces required)	222.22.548	20 days
Replacement triangular key	130.19.874	
Securing locking bolt with cylinder lock in place of triangular key		
Securing locking bolt with padlock in place of triangular key (padlock not supplied)		

COMPACT

Aluminium Nudge Bar

The **COMPACT** Nudge Bar is an optional accessory for the **COMPACT** Access Height Restrictor. It is manufactured in Aluminium section size 60 x 30 mm, in white with red reflective strips, and reduces the height of the Access Height Restrictor by up to 400 mm. Includes two 6 mm galvanised steel chains and connectors.



Description	Dimensions (mm)	For widths (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Aluminium	2,000	3,000 - 5,000	8	305.21.100	20 days

Height Restrictors

TRAFFIC-LINE Height Restrictor Bar – Aluminium



The **TRAFFIC-LINE** Aluminium Height Restrictor effectively warns vehicle drivers of height restrictions such as those encountered in underpasses, multi-story car-parks, underground garages, buildings or facilities with limited height access.

Manufactured from aluminium profile with end caps, clad with retro-reflective foil (Class 1) and supplied complete with suspension chains, this product is made to last.

OPTIONS:

Retro-reflective film can be applied both sides and special sizes available on request.

- Aluminium construction
- Easily and quickly installed
- Reflective panels for high visibility day or night
- 2 m L suspension chains included

Specifications:

Size: 150 mm H x 20 mm D
 Material: Aluminium profile
 Colour: Red/white or Black/yellow
 Type: Retro-reflective to class 1 (red/white)
 Suspension: 2 m L Galvanised chain x 2



Colour	Length (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
red/white	2,000	6	302.15.082	5 / 10 days
	2,500	7	302.16.975	
	3,000	11	302.18.457	
	4,000	13	302.13.245	
	5,000	15	302.15.125	
black/yellow	2,000	6	302.16.017	
	2,500	7	302.16.495	
	3,000	11	302.17.584	
	4,000	13	302.13.360	
	5,000	15	302.19.951	

TRAFFIC-LINE Height Restrictor Bar – Plastic



The **TRAFFIC-LINE** Plastic Height Restrictor Bar safely and effectively warns drivers of restricted height conditions ahead without damaging vehicles. They can be utilised for both temporary and permanent installations quickly and easily.

They are ideal for installations in buildings or facilities with restricted height clearance such as car-parks, warehouses, construction sites etc.

Specifications:

Posts: 950 mm L x 100 mm Ø
 Material: Polyethylene (PE)
 Colour: Red/white, black/yellow
 Type: Retro-reflective
 Suspension: 2 m L Galvanised chains x 2

- Easily installed
- No sharp edges
- Retro-reflective for day or night visibility
- 2 m suspension chains

Options:

Can be suspended side by side (Dependant on clearance room).



Colour	Dimensions (mm) W x Ø	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
red/white	950 x 100	2.7	302.24.997	1 / 2 days
black/yellow			302.22.967	



- Manufactured in high quality steel
- Hot dip galvanised
- Highly visible retro-reflective rings
- Surface or sub-surface installation options
- Cost effective



TRAFFIC-LINE EV Charging Point Protection Guard

The **TRAFFIC-LINE EV** Charging Point Protection Guard provides protection for EV charging points from accidental damage by vehicles. A cost effective guard manufactured from high quality 60 mm Ø steel tube and hot dip galvanised for long service life. Supplied complete with retro-reflective 75 mm width rings in either blue, red or green for maximum visibility night or day.

Dimensions:

Large guard: 500 x 500 mm, 3 rings

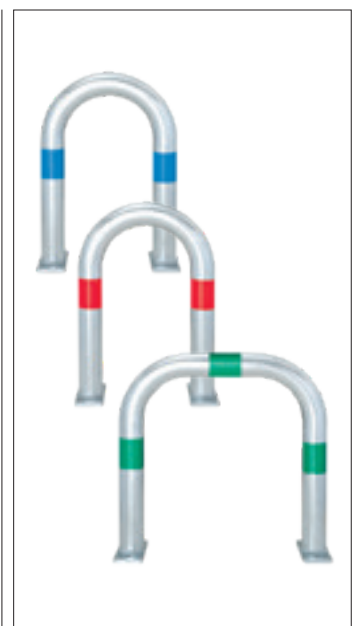
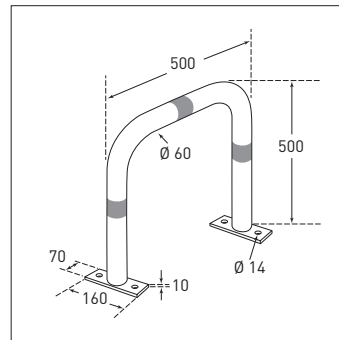
Small guard: 500 x 360 mm, 2 rings

Installation:

- Surface fix: 800 mm
- Base plate: 160 x 70 x 10 mm
- Sub-surface fix: 800 mm high (300 mm sub-surface)

Option: Hot dip galvanised and powder coated to colour of choice with retro-reflective rings (additional cost).

Available with additional electrical bonding (HD 60364/OVE E 8101) on request (additional cost).



Installation	Dimensions (mm)		Delivery weight (kg/ea.)	Reflective ring colour	Reference	Typical despatch time (working days)
	Ø/H	Width				
Surface fix	60/500	360	7	Blue	168.28.786	10 / 15 days
		500			168.24.646	
		360		Green	168.24.132	
		500			168.20.306	
		360		Red	168.25.611	
		500			168.25.170	
Sub-surface fix	60/800	360	8.5	Blue	168.24.372	
		500			168.29.954	
		360		Green	168.27.147	
		500			168.21.864	
		360		Red	168.24.530	
		500			168.28.150	
Through bolt anchor 12/120 (4 per guard)					109.24.665	1 / 2 days
Surface fixing bolts 8/100 (4 per guard)					109.17.393	

Charging Point Protection



- Manufactured from steel or stainless steel
- Eye catching designs
- Quick and easy installation
- Surface or sub-surface installation

TRAFFIC-LINE EV Charging Point Protection Bollards

The **TRAFFIC-LINE** EV Charging Point Protection Bollards are designed to protect valuable EV Charging Points from accidental damage from client vehicles. Equipped with retro reflective bands for optimal colour co-ordination with the Charging Point they are highly visible day or night.

Manufactured in high quality steel or stainless steel with a sandblasted domed aluminium cap, they will provide protection for many years. They are supplied in either surface mounted or sub-surface mounted versions.

Specifications:

Dimensions (Surface Fix):

108 mm Ø x 800 mm H,

Base plate 200 mm Ø x 6 mm

Dimensions (Sub-Surface Fix):

108 mm Ø x 1,200 mm H

Version 1				Steel (Hot Dip Galvanised)		Stainless Steel	
Installation	Dimensions Ø/H (mm)	Delivery weight (kg/ea.)	Reflective ring colour	Reference	Typical despatch time (working days)	Reference	Typical despatch time (working days)
Surface fix	108/800	8.5	–	168.28.926	5 / 10 days	168.29.681	10 / 15 days
			White	168.24.924		168.27.679	
			Blue	168.26.890		–	
			Green	168.25.450		–	
			Red	168.28.789		–	
Sub-surface fix	108/1,200	8	–	168.20.923		168.25.595	
			White	168.28.402		168.26.474	
			Blue	168.20.618		–	
			Green	168.20.538		–	
			Red	168.23.713		–	
Fixing bolts 8/100 (3 per bollard)						109.17.393	1 / 2 days
Through bolt anchors 12/120 (3 per bollard)						109.24.665	

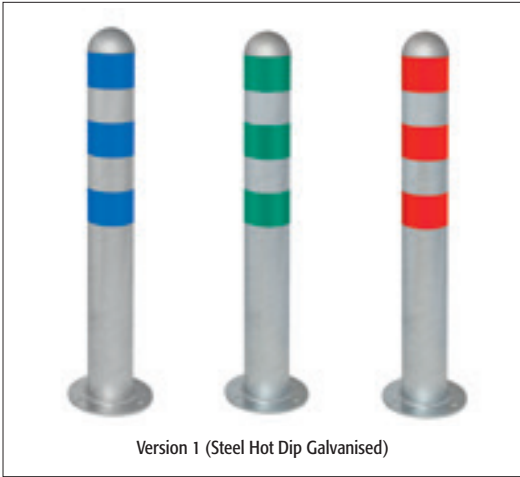
Charging Point Protection



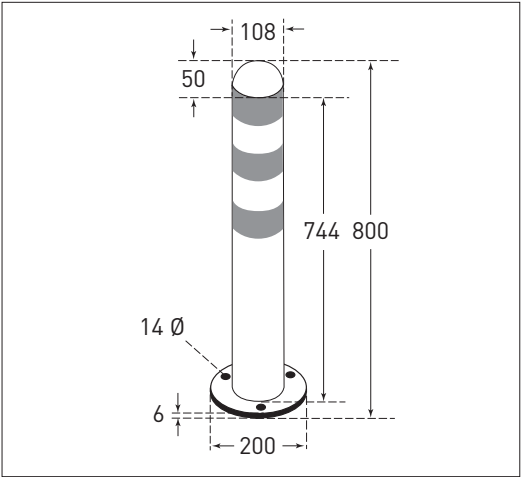
Version 1 (Stainless Steel)



Version 2



Version 1 (Steel Hot Dip Galvanised)



Version 1:

- Steel Hot Dip Galvanised or Stainless Steel
- Retro reflective rings 75 mm as table below

Version 2:

- Steel Hot Dip Galvanised and powder coated white
- Retro reflective rings 75 mm in blue, green, or red

Additional versions – No extra cost:

- Steel Hot Dip Galvanised and powder coated
 - Yellow (RAL 1023)
 - Black (RAL 9005)
 - Green (RAL 6009)
 - Blue (RAL 5017)
 - Anthracite grey (RAL 7016)

- Matching retro-reflective rings to your choice:

- White
- Red
- Blue
- Green
- Yellow

Available with additional electrical bonding (HD 60364/OVE E 8101) on request (additional cost)

Version 2: Steel Hot Dip Galvanised and powder coated white					
Installation	Dimensions Ø/H (mm)	Delivery weight (kg/ea.)	Reflective ring colour	Reference	Typical despatch time (working days)
Surface fix	108/800	8.5	Blue	168.23.819	10 / 15 days
			Green	168.25.354	
			Red	168.21.079	
Sub-surface fix	108/1,200	8	Blue	168.22.843	
			Green	168.27.610	
			Red	168.26.000	
Fixing bolts 8/100 (3 per bollard)				109.24.665	1 / 2 days
Through bolt anchors 12/120 (3 per bollard)				109.17.393	

Railing Systems



- Strong steel posts and rails
- Hot dip galvanised for durability
- Easily installed
- Three options Surface fix, Subsurface fix and Removable
- Two designs – URBAN and CLASSIC



TRAFFIC-LINE Railing Systems



A versatile modular railing system that is highly adaptable and extremely easy to install. Due to the modular design this system is particularly suited for uneven terrain.

Use **TRAFFIC-LINE** Railing Systems to form protected pedestrian pathways, segregate traffic lanes, barriers, queue lines etc.

Two Designs:
URBAN and CLASSIC

Components:

Steel posts include either URBAN or CLASSIC caps and lateral rails include non-conductive reinforced plastic brackets with stainless steel clamping screws. All posts are 1,000mm above ground to comply with Workplace Directives.

Brackets are adjustable horizontally to any angle above 90° and vertically (gradient) up to 45°.

Finish:

Hot Dip Galvanised or Hot Dip Galvanised and Painted.

Installation:

Sub-surface fix.
Surface fix with base plate.
Removable – Non-locking ground socket.

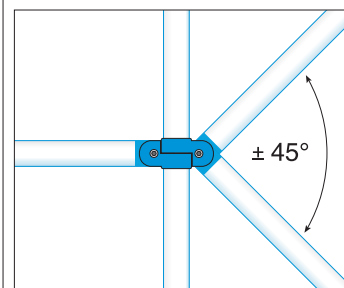
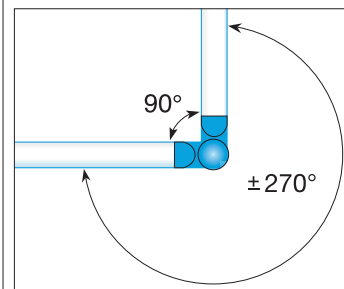
For less visual impact 48 mm Ø lateral rails are available.

Included in the price are the post caps and brackets.


Options:

Special heights, lengths, colours – on request.


For marine and coastal locations special treatment is recommended. Please ask for details.



TRAFFIC-LINE Railing System – URBAN Steel Post with Cap – 2.0 mm Wall thickness

	Finish	Colour	Sub-Surface Fix 60 x 1,330 mm, 330 mm Sub-surface or removable using ground socket			Surface Fix 60 x 1,000 mm with base plate 140 x 160 x 10 mm		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	Hot dip galvanised	zinc/grey	5.5	191.10.257	15 / 20 days	6.5	191.11.788	15 / 20 days
	Hot dip galvanised and painted	red/white		191.12.087			191.10.373	
		black/yellow		191.11.064			191.11.070	
Non-lockable sub-sub-surface socket			3.0	100.10.773	15 / 20 days			
Cast iron sub-surface socket with clamping bolt			5.5	150.18.049				

TRAFFIC-LINE Railing System – CLASSIC Steel Post with Cap – 2.0 mm Wall thickness

	Finish	Colour	Sub-Surface Fix 60 x 1,330 mm, 330 mm Sub-surface or removable using ground socket			Surface Fix 60 x 1,000 mm with base plate 140 x 160 x 10 mm		
			Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	Hot dip galvanised	zinc/grey	5.5	191.10.603	15 / 20 days	6.5	191.10.815	15 / 20 days
	Hot dip galvanised and painted	red/white		191.11.532			191.11.756	
		black/yellow		191.12.494			191.12.711	
Non-lockable sub-sub-surface socket			3.0	100.10.773	15 / 20 days			
Cast iron sub-surface socket with clamping bolt			5.5	150.18.049				

Lateral Railing 60mm Ø with Brackets – 2.0 mm Wall thickness

Finish	Colour	1,000 mm; Actual 1,170 +/- 5 mm			1,500 mm; Actual 1,670 +/- 5 mm			2,000 mm; Actual 2,170 +/- 5 mm		
		Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised	zinc/grey	5.5	191.11.348	15 / 20 days	7	191.11.891	15 / 20 days	8.5	191.13.077	15 / 20 days
Hot dip galvanised and painted	red/white		191.12.964			191.11.746			191.11.603	
	black/yellow		191.10.311			191.11.722			191.10.789	

Lateral Railing 48mm Ø with Brackets – 2.0 mm Wall thickness

Finish	Colour	1,000mm; Actual 1,170 +/- 5 mm			1,500mm; Actual 1,670 +/- 5 mm			2,000mm; Actual 2,170 +/- 5 mm		
		Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised	zinc/grey	4.5	191.17.798	15 / 20 days	6	191.14.415	15 / 20 days	7.5	191.16.639	15 / 20 days
Hot dip galvanised and painted	red/white		191.17.857			191.16.468			191.19.773	
	black/yellow		191.14.802			191.19.929			191.13.934	

Railing Systems



- Stainless Steel Posts and Rails
- Easily installed
- Two options – Surface fix and Sub-surface fix
- Two designs – URBAN and CLASSIC
- Flexible modular design

TRAFFIC-LINE Stainless Steel Railing Systems

Manufactured in Stainless Steel these railings feature all of the attributes of **TRAFFIC-LINE** Railing System, but with the added visual appeal of Stainless Steel.

TRAFFIC-LINE Stainless Steel Railings are installed where visual appeal or difficult conditions are paramount e.g. areas of pollution, chemical works, public buildings, traffic areas, safety rails for paths, stations, airports etc.

Two Designs:
URBAN and CLASSIC.

Components:
Stainless Steel posts include either URBAN or CLASSIC caps and lateral rails include Aluminium brackets with stainless steel clamping screws. All posts are 1,000 mm above ground to comply with Workplace Directives.

Brackets are adjustable horizontally to any angle above 90° and vertically (gradient) up to 45°.

Finish:
Posts and Rails: 304 Stainless Steel
Caps and Brackets: Aluminium
Blue RAL 5017

Installation:
Sub-surface fix.
Surface fix with base plate


Included in the price are the post caps and brackets.

Options:
Special heights, lengths, colours for post caps and brackets – on request.


For marine and coastal locations
316 Grade is recommended and special treatment for post caps and brackets. Please ask for details.



TRAFFIC-LINE Stainless Steel Railing System – URBAN Steel Post with Cap – 2.0 mm Wall thickness

	Cap Colour	Sub-Surface Fix 60/1,330 mm (330 mm Sub-surface)			Surface Fix 60/1,000 mm; With base plate 140 x 160 x 10 mm		
		Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	Blue (RAL 5017)	5.5	193.14.227	15 / 20 days	5.5	193.15.715	15 / 20 days

TRAFFIC-LINE Stainless Steel Railing System – CLASSIC Steel Post with Cap – 2.0 mm Wall thickness

	Cap Colour	Sub-Surface Fix 60/1,330 mm (330 mm Sub-surface)			Surface Fix 60/1,000 mm; With base plate 140 x 160 x 10 mm		
		Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
	Blue (RAL 5017)	5.5	193.13.650	15 / 20 days	5.5	193.17.232	15 / 20 days

Lateral Stainless Steel Railing 60mm Ø with Brackets – 2.0 mm Wall thickness

Connector colour	2,000mm; Actual 2,170 +/- 5 mm			1,500mm; Actual 1,670 +/- 5 mm			1,000mm; Actual 1,170 +/- 5 mm		
	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Blue (RAL 5017)	8.5	193.18.593	15 / 20 days	7	193.13.684	15 / 20 days	5.5	193.16.166	15 / 20 days

Scooter Parking

Scooter-Parker for 2 scooters



Elegant yet strong and practical scooter parking stand for 2 scooters, manufactured in high grade steel.

Ideal for parking places in front of public buildings, institutions and companies. Enhances the street scene.

Plastic-coated holding clamps prevent scratching of handlebars. Holding clamps adjustable in height from 150 - 690mm to suit various scooter models.

Scooters can be secured to stand with chain or cable lock. (not provided) Alternatively with padlock with up to 18mm hasp. (not provided).

Specification:

Post: 800 x 80 x 80 mm
Base plate: 200 x 200 x 10 mm
(Surface fix only)
Wall thickness: 3 mm
Ø of holding clamps
(closed): internal: 60 mm
external: 120 mm
Clamp colour: black

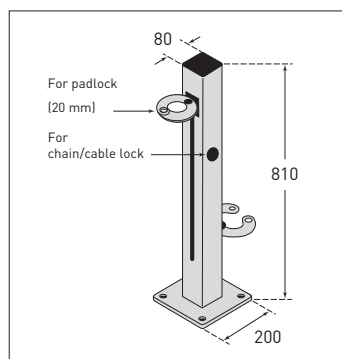
- Elegant, modern design
- Holding clamps adjustable in height
- With slots for chain or cable lock
- For (electric) scooters

Finish:

- Hot Dip Galvanised and Powder coated in anthracite iron mica coating (DB 703)

Installation:

- Surface fix (4 bolts per post)
- Sub-surface fix



Scooter parking stand for 5 scooters



Elegant yet sturdy parking stand for 5 scooters, made from formed flat steel. For parking on both sides Unobtrusive, elegant design. Enhances the street scene.

Scooters can be secured to stand with chain or cable lock.

Specification:

Height: 400 mm
Material: flat steel, 70 x 10 mm
Ø of holding clamps
(closed): inside 60 mm
outside 120 mm

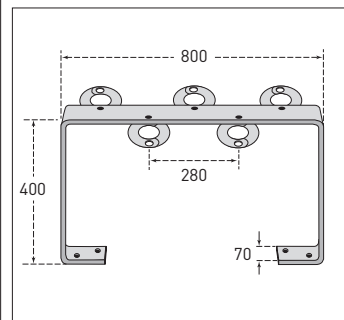
Surface finish:

- Hot Dip Galvanised and Powder coated in anthracite iron mica coating (DB703)

Installation:

- Surface fix

- Made from formed flat steel
- Contemporary design
- For parking on both sides
- For (electric) scooters



Installation	Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Surface fix	810 x 80 x 80	12	171.23.074	5 / 10 days
Sub-surface fix	200 x 200 x 10 330 mm long	5	171.24.858	

Finish	Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised	400 x 800 x 70	12	171.20.144	5 / 10 days
Hot dip galvanised + DB703			171.29.011	



- Formed from flat steel section
- Contemporary design
- Suitable for bicycles and scooters
- Enables parking on both sides

CITY GILA Bicycle Stand

Well-designed, sturdy bicycle stand manufactured from formed flat steel. Also available with cross bar (see version 2).

The clean modernistic lines are both practical and enhance the street scene.

Specification:

Height: 800 and 1,200 mm
Material: flat steel section
Dimensions: 70 x 10 mm

Version 3: With special plastic-coated holding clamps for 5 scooters located on cross bar

Scooters can be secured to stand with chain or cable lock. (not provided)
Suitable for both non-electric and electric scooters.

Alternatively with padlock with up to 18mm hasp. (not provided)

Specification:

As version 2
Ø of holding clamps (closed):
internal: 60 mm
external: 120 mm
Clamp colour: black

Finish:

- Hot Dip Galvanised
- Hot-Dip Galvanised and Powder coated in anthracite iron mica (DB 703)

Installation:

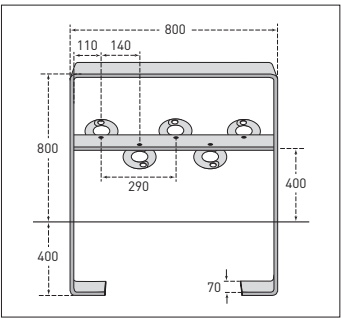
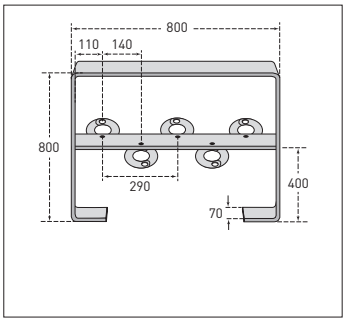
- Surface fix (four bolts per stand)



Version 1/2 Surface fix



Version 1/2 Root fix



Version	Installation	Finish	Dimensions (mm) L x W x H	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Version 1	Root fix	Hot dip galvanised	1,200 x 800 x 70	23.1	171.24.456	5 / 10 days
		Hot dip galvanised + DB703			171.27.205	
	Surface fix	Hot dip galvanised	800 x 800 x 70	17.1	171.21.659	
		Hot dip galvanised + DB703			171.23.908	
Version 2	Root fix	Hot dip galvanised	1,200 x 800 x 70	28.1	171.20.839	
		Hot dip galvanised + DB703			171.24.562	
	Surface fix	Hot dip galvanised	800 x 800 x 70	22.1	171.29.548	
		Hot dip galvanised + DB703			171.23.534	
Set of Clamps (for 5 Scooters) black, for version 3		black			171.20.463	

Bicycle Parking

CITY COPPA Bicycle Stand



The **CITY COPPA** Bicycle stand is of a contemporary design which will complement it's surrounding environment, yet at the same time provides a functional method of bicycle parking and securing. The **CITY COPPA** is available in two finishes and can be surface fixed or sub-surface fixed.

Strongly constructed from rectangular steel tube 60 x 40mm for long-lasting service life.

Specification:

Height:
Surface fix: 800 mm
Sub-surface fix: 1,150 mm (O/all)
Width: 700 mm

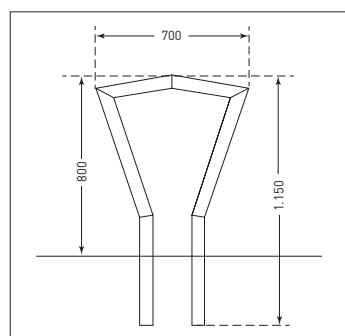
Finish:

- Hot-dip Galvanised only
- Hot-dip Galvanised and Powder coated in anthracite iron mica (DB 703)

- All steel construction
- Contemporary design
- Robust and durable
- Quickly and easily installed

Installation:

- Surface fix
- Base plate size: 300 x 140 x 10 mm
- Sub-surface fix



800 mm Above surface 700 mm width				
Finish	Installation	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot Dip Galvanised	Sub-surface fix	11.5	171.26.688	5 / 10 days
	Surface fix		171.21.382	
Hot Dip Galvanised + DB703	Sub-surface fix		171.22.675	
	Surface fix		171.25.337	

CITY VUELTO Bicycle Stand



The **CITY VUELTO** Bicycle stand is of a contemporary design which will complement it's surrounding environment, yet at the same time provides a functional method of bicycle parking and securing. The **CITY VUELTO** is available in two finishes and can be surface fixed or sub-surface fixed.

Strongly constructed from 48mm round steel tube for long-lasting service life.

Specification:

Height:
Surface fix: 800 mm
Sub-surface fix: 1,130 mm (O/all)
Width: 700 mm

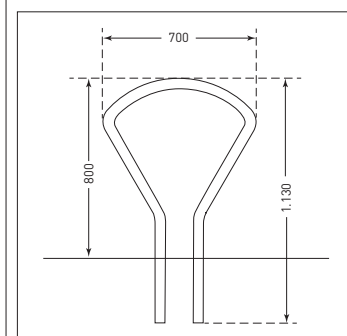
Finish:

- Hot-dip Galvanised only
- Hot-dip Galvanised and Powder coated in anthracite iron mica (DB 703)

- All steel construction
- Contemporary design
- Robust and durable
- Quickly and easily installed

Installation:

- Surface fix
- Base plate size: 300 x 140 x 10 mm
- Sub-surface fix



800mm Above surface 700 mm width				
Finish	Installation	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot Dip Galvanised	Sub-surface fix	12.5	171.29.695	5 / 10 days
	Surface fix		171.22.178	
Hot Dip Galvanised + DB703	Sub-surface fix		171.29.869	
	Surface fix		171.27.913	

CITY GIRO Bicycle Stand

The **CITY GIRO** Bicycle stand is designed to blend in with its surroundings, yet provides a functional method of securing bicycles. Available in two finishes and can be sub-surface fixed or surface fixed.

Sturdily constructed in 42 mm Ø and 70 x 70 mm Ø steel tube this product will provide outstanding service.

Finish:

Hot Dip Galvanised and Powder coated in Anthracite iron mica DB 703.

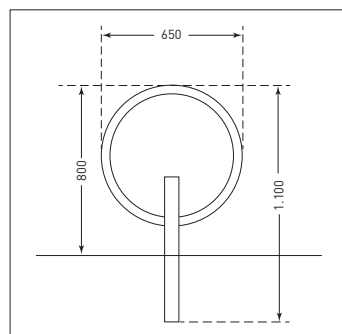
Hot Dip Galvanised only

Installation:

Sub-surface fix

Surface fix

- All steel construction
- Functional design
- Robust and durable
- Easily installed

**CITY TOUR** Bicycle Stand

The **CITY TOUR** Bicycle stand is designed to blend in with its surroundings, yet provides a functional method of securing bicycles. Available in two finishes and can be sub-surface fixed or surface fixed.

Sturdily constructed in 48 mm Ø and 70 x 70 mm Ø steel tube this product will provide outstanding service.

Finish:

Hot Dip Galvanised and Powder coated in Anthracite iron mica DB 703.

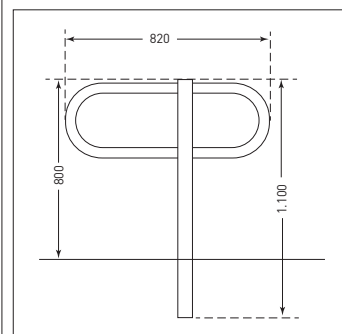
Hot Dip Galvanised only

Installation:

Sub-surface fix

Surface fix

- All steel construction
- Functional design
- Robust and durable
- Easily installed



800 mm Above surface x 650 mm OD				
Finish	Installation	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot Dip Galvanised	Sub-surface fix	11.5	171.26.374	5 / 10 days
	Surface fix		171.22.579	
Hot Dip Galvanised + DB703	Sub-surface fix		171.27.900	
	Surface fix		171.22.144	

800 mm Above surface x 820 mm Width				
Finish	Installation	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot Dip Galvanised	Sub-surface fix	12.5	171.21.197	5 / 10 days
	Surface fix		171.24.673	
Hot Dip Galvanised + DB703	Sub-surface fix		171.25.361	
	Surface fix		171.22.397	

Bicycle Parking



- All steel construction
- Two fixing options
- Easily installed
- Hot dip galvanised for long life

TRAFFIC-LINE ‘Sheffield’
style Bicycle Racks
For 1 Bicycle

This ever popular style provides an economic, durable and effective solution to bicycle parking. Manufactured from 48mm Ø tube and hot dip galvanised to ensure a long service life. Accessible from both sides this rack is available in two options – Surface fix or Sub-surface fix.

Applications can be found in domestic storage, company cycle parks, public spaces, schools, public and commercial buildings etc.

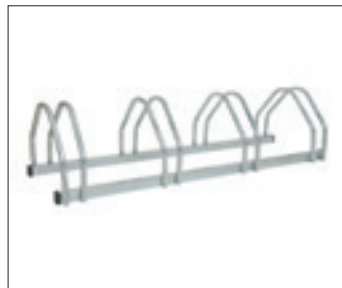
Surface Fix – 4 Surface fixing bolts per post				
Finish	Dimensions (mm) W x H x Ø	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Hot dip galvanised	710 x 800 x 48	7	169.88.041	1 / 2 days
Sub-Surface Fix – Ragged ends				
Hot dip galvanised	710 x 1,060 x 48 (260mm Sub-surface)	6.5	169.88.045	1 / 2 days
Accessories				
Surface fixing bolts 8/100 – 4 required per Surface fix style		7	109.17.933	1 / 2 days

TRAFFIC-LINE Compact Bicycle Rack for 3, 4 or 5 bicycles

The **TRAFFIC-LINE** Compact Bicycle Rack is a medium duty bicycle rack which is supplied fully assembled. Constructed in zinc plated steel for durability with wheel locators made from 16mm Ø tube, it is suitable for mountain bike tyres up to 50mm wide. Supplied complete with fixings this bicycle rack represents great value for money.

Highly suitable for schools, domestic storage, company cycle parks, small housing estates etc.

- Zinc plated steel construction
- Accessible from both sides
- Suitable for cycle tyre widths up to 50mm
- Fully assembled
- Supplied with fixings

**TRAFFIC-LINE Wall Mounted Bicycle Rack**

Individual bicycle rack units.

Adjustable through 180 degrees. Wall mounting – easily secured. Compact and flexible design. Zinc plated steel construction. Suitable for bicycles up to tyre width 50mm. Supplied with wall fixings. Fully assembled.

Applications:

Domestic, company bicycle parks, public spaces, public & commercial buildings, schools etc.

Specification:

Frame: Steel
Size: 335mm H x 285mm D x 90mm W (1)
16mm Ø tube wheel supports
Finish: Zinc Plated
Type: Assembled

- Zinc plated steel construction
- Adjustable through 180°
- Full assembled
- Wall mounting – easily secured
- Well-priced



Dimensions 255mm High, 330mm Depth				
Bicycle capacity	Overall width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
3	720	5	169.28.632	1 / 2 days
4	1,210	7	169.15.334	
5	1,320	8	169.19.382	

335mm high, 285mm deep, 90mm wide				
Bicycle capacity	Overall width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
1	90	2.5	169.17.113	1 / 2 days

Bicycle Parking, Street Furniture

TRAFFIC-LINE Hi-Hoop and Lo-Hoop

Bicycle Racks for 2 to 6 Bicycles



The **TRAFFIC-LINE** Hi-Hoop and Lo-Hoop Bicycle Racks are the ideal solution for heavier duty cycle storage. Manufactured in 3.5 mm gauge steel, hot dip galvanised with 19 mm Ø wheel locaters, a long service life is assured. The arches will accommodate 55 mm wide mountain bike tyres and wheels equipped with up to 140 mm diameter disc brakes.

Two Versions:

Lo-Hoop allows entry from one side only.
Hi-Hoop allows entry from either side.

These bicycle racks come flat packed for easy assembly complete with fastenings and instructions.

- Strong steel construction
- Hot dip galvanised for long life
- Tyre widths up to 55 mm
- Easy self-assembly



Hi-Hoop – 415 mm High, 390 mm Depth				
Bicycle capacity	Overall width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
2	700	9	169.13.535	1 / 2 days
3	1,050	12	169.18.628	
4	1,400	16	169.15.104	
5	1,750	20	169.14.981	
6	2,100	24	169.15.566	

Lo-Hoop – 415 mm High, 550 mm Depth				
Bicycle capacity	Overall width (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
2	700	11	169.19.379	1 / 2 days
3	1,050	13	169.17.164	
4	1,400	16.5	169.14.842	
5	1,750	21	169.13.432	
6	2,100	25	169.13.416	

TRAFFIC-LINE Style DS35

Stainless Steel Litter Bins



The **TRAFFIC-LINE** Stainless Steel Litter Bins are stylish and modern in appearance, complementing their surroundings. Equally at home in town or country, these litter bins offer an elegant solution to litter disposal. Manufactured in high quality stainless steel with galvanised liners and fitted with an inbuilt lock. It is ideal for installation in parks, public places, shopping centres, retail parks etc.

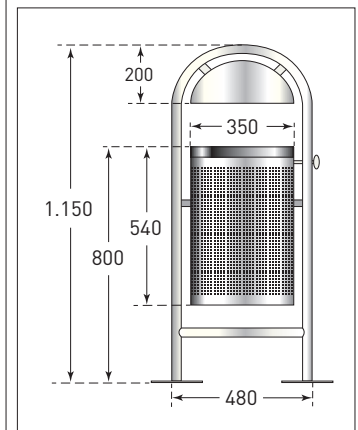
Manufactured in high-grade quality stainless steel the design DS35 comprises a hooped outer frame with a fixed dome canopy. The 35 litre inner bin (galvanised steel, plastic handles) is accessed by unlocking and tilting the outer container. The lock mechanism is operated with a triangular key. Includes drainage facility for liquids.

Installation:

Surface fix: Bolting down through two stainless base plates.

Sub-surface fix: Concreting in two ground anchors attached to base plates (accessory).

- Easily installed
- Elegant modern design
- Strong Stainless Steel construction
- Lockable



Stainless Steel

Litter Bin Style DS35	Dimensions (mm) H x W x D	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
With inner bin 35 l	1,150 x 580 x 380	14	512.27.575	1 / 2 days

Accessories	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Root fixing adapter (2 per litter bin)	1.5	512.27.861	1 / 2 days



- Stylish practical design
- Steel core for added stability
- 100 recycled rubber
- Two head styles

THE BERKELEY
Recycled Bollard

THE BERKELEY Recycled Rubber Bollard is a strong yet yielding bollard reducing the risk of damage to vehicles etc. making it ideal for use in car parks, schools, play areas etc.

Manufactured from recycled rubber the **BERKELEY** bollard is produced in two head styles – pyramid shape and 45° slope. They are reinforced with a steel core and are supplied with reflective strips for night visibility. They can, on request, be equipped with circular signs with standard symbols or to your design.

Installation method	Model/ Colour	O/all Height (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Sub-Surface Fix – Permanent 700mm Above surface 300mm Below surface	Pyramid black	1,000	22	162.21.675	1 / 2 days
	Mitre black			162.27.092	
Sub-Surface Fix – Permanent 1,000mm Above surface 300mm Below surface	Pyramid black	1,300	23	162.28.524	
	Mitre black			162.26.571	
Circular signs on request					10 / 15 days

Street Furniture



- Easily installed
- Four fixing options
- Choice of four diameters
- Stylish brushed finish
- Polished cap



CHICHESTER Stainless Steel Bollards

The **CHICHESTER** range of Stainless Steel Bollards are manufactured from brushed stainless steel with polished top caps, ensuring a high quality finish for many years, and are to be found in use around public & commercial buildings, retail parks, business parks, schools, public spaces, supermarkets etc.

Produced in seamless 304 quality stainless steel for durability they can be supplied with chain eyes (our Stainless Steel Chain is ideal for use with the **CHICHESTER** – see page 90). Please advise if installation is on a coastal site so that the appropriate grade can be supplied.

Optional extras:

For that finishing touch matching stainless steel collars are available for 60 and 76 mm Ø models.



Installation method and height	Ø x Wall thickness (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Sub-Surface Fix - Permanent 900 mm Above surface 300 mm Below surface	60 x 2	7	167.18.689	15 / 20 days
	76 x 2	9	167.17.883	
	101 x 2	10	167.50.816	5 / 10 days
	114 x 2	12	167.50.320	
Surface Fix 900 Above surface	60 x 2	6	167.18.490	15 / 20 days
	76 x 2	8	167.16.483	
	101 x 2	10	167.50.262	5 / 10 days
	114 x 2	12	167.50.390	
Removable – with Triangular key (complete with ground socket) 900 mm Above surface 300 mm Below surface	60 x 2	7.5	167.18.736	15 / 20 days
	76 x 2	9	167.18.723	
	108 x 2	10.5	167.13.750	
Removable – with Cylinder lock (complete with ground socket) 900 mm Above surface 300 mm Below surface	76 x 2	9	167.14.189	15 / 20 days
	108 x 2	10.5	167.15.768	
Removable – with Padlock (not supplied) Complete with ground socket (galvanised) 900 mm Above surface 300 mm Below surface	101 x 2	12	167.50.450	5 / 10 days
	114 x 2	14	167.50.162	
Removable – with Padlock (not supplied) Complete with ground socket (Stainless Steel) 900 mm Above surface 300 mm Below surface	101 x 2	12	167.50.711	5 / 10 days
	114 x 2	14	167.50.695	
Ground Collars – Stainless Steel	60	0.3	167.14.049	15 / 20 days
	76	0.4	167.18.323	
Triangular key – please order separately		0.2	130.12.326	1 / 2 days
Surface fixing bolts 8/100 (3 required per post-surface fix type)		0.2	109.17.393	
Chain eyes – please ask for details				15 / 20 days



- Easily installed
- Choice of two diameters
- Three fixing options
- Stylish brushed finish
- Polished 45° cap



CHICHESTER 45 Stainless Steel Bollards

The **CHICHESTER 45** range of Stainless Steel Bollards are manufactured from seamless brushed 304 quality stainless steel with an attractive 45° polished cap for that extra styling touch.

As with the **CHICHESTER** range please advise if the installation is on a coastal location so that we can select the correct grade of stainless steel.

Produced in two diameters and three fixing methods to suit a wide range of requirements.

*Stainless
Steel*

Installation method and height	Ø x Wall thickness (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Sub-Surface Fix - Permanent 900mm Above surface 300mm Below surface	101 x 2	10	167.50.731	15 / 20 days
	114 x 2	12	167.50.195	
Surface Fix 900 Above surface	101 x 2	10	167.50.236	
	114 x 2	12	167.50.575	
Removable – with Padlock (not supplied) Complete with ground socket (Galvanised) 900mm Above surface 300mm Below surface	101 x 2	10	167.50.125	
	114 x 2	12	167.50.391	
Removable – with Padlock (not supplied) Complete with ground socket (Stainless Steel) 900mm Above surface 300mm Below surface	101 x 2	10	167.50.432	
	114 x 2	12	167.50.551	
Surface fixing bolts 8/100 (3 required per post-surface fix type)		0.2	109.17.393	1 / 2 days

RAL Colour Chart

RAL 1023	RAL 6012
RAL 1003	RAL 6014
RAL 3000	RAL 6016
RAL 3001	RAL 6020
RAL 3011	RAL 6024
RAL 3020	RAL 6026
RAL 5000	RAL 7001
RAL 5002	RAL 7016
RAL 5003	RAL 7021
RAL 5005	RAL 7024
RAL 5013	RAL 8003
RAL 5015	RAL 8019
RAL 5017	RAL 9005
RAL 6002	RAL 9006
RAL 6005	RAL 9007
RAL 6007	RAL 9010
RAL 6009	RAL 9011

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