



Work chairs Premium

- Ergonomic shaped work chair for very demanding applications in production and workshops
- Adjust the seat angle and height to your size with synchronous adjustments
- Maximum freedom of movement in the arm and shoulder area due to tapered backrest
- Sturdy and stable for industrial requirements
- Seat and back are height adjustable
- With handle
- Meets DIN 68 877
- Sturdy surface in PU, fabric or imitation leather

Surface	Artificial leather	Material	Material	Material	Pu
Colour	Black	Black	Blue	Red	Black
Height, seat [mm]	440 mm - 600 mm	440 mm - 600 mm	440 mm - 600 mm	440 mm - 600 mm	440 mm - 600 mm
Order number Plastic	266-909-JB	266-913-JB	266-917-JB	266-921-JB	266-925-JB
Order number Aluminium	266-910-JB	266-914-JB	266-918-JB	266-922-JB	266-926-JB



Work chairs

- The basic model for ergonomic seating in production and workshops
- Sturdy and stable for industrial requirements
- Seat and back are height adjustable
- Meets DIN 68 877
- Sturdy surface in PU, fabric, imitation leather or wood

Surface	Wood	Material	Material	Material	Pu
Colour	Beech	Black	Blue	Red	Black
Height, seat [mm]	430 mm - 570 mm	440 mm - 580 mm	440 mm - 580 mm	440 mm - 580 mm	440 mm - 580 mm
Order number Plastic	266-889-JB	266-893-JB	266-897-JB	266-901-JB	266-905-JB
Order number Aluminium	266-890-JB	266-894-JB	266-898-JB	266-902-JB	266-906-JB



Work stool

- Universal use
- Stepless seat height adjustment
- Sturdy and stable for industrial requirements
- Meets DIN 68 877
- Sturdy surface in PU, fabric, imitation leather or wood

Surface	Wood	Artificial leather	Material	Material	Material	Pu
Colour	Beech	Black	Black	Blue	Red	Black
Height, seat [mm]	450 mm - 620 mm	450 mm - 620 mm	450 mm - 620 mm	450 mm - 620 mm	450 mm - 620 mm	440 mm - 610 mm
Order number Plastic	266-949-JB	266-953-JB	266-957-JB	266-961-JB	266-965-JB	266-969-JB
Order number Aluminium	266-950-JB	266-954-JB	266-958-JB	266-962-JB	266-966-JB	266-970-JB



Laboratory stool

- For use in the laboratory
- Easy to clean cover - resistant to disinfectants
- Ergonomic shaped work chair for demanding applications
- Meets protection level S1 and S2 for bio labs

- Adjust the seat angle and height to your size with synchronous adjustments
- Seat and back are height adjustable
- Robust surface in imitation leather
- Meets DIN 68 877



Design	Standard seat height		Raised seat and additional foot ring	
	Artificial leather	Artificial leather	Artificial leather	Artificial leather
Surface	Artificial leather	Artificial leather	Artificial leather	Artificial leather
Colour	Black	Black	Black	Black
Material, base	Plastic	Aluminium	Plastic	Aluminium
Height, seat (mm)	430 mm - 590 mm	430 mm - 590 mm	590 mm - 840 mm	590 mm - 840 mm
Order number	266-938-JB	266-939-JB	266-940-JB	266-941-JB



Laboratory chair Model Counter, with raised sitting position and foot ring

ESD work chairs

- Suitable for use in ESD protection areas
- Electrically conductive in accordance with DIN 61340-5-1, resistance $10^6 \Omega$
- Ergonomic shaped work chair for very demanding applications in production and workshops
- Adjust the seat angle and height to your size with synchronous adjustments
- Maximum freedom of movement in the arm and shoulder area due to tapered backrest

- Sturdy and stable with wide base
- Seat and back are height adjustable
- Robust, abrasion-resistant cover
- With handle
- ESD armrest (266937) Please always order with the chair
- Surface in PU, fabric or imitation leather



Design	Standard seat height			Raised seat and additional foot ring		
	Artificial leather	Material	Pu	Artificial leather	Material	Pu
Surface	Artificial leather	Material	Pu	Artificial leather	Material	Pu
Colour	Black	Black	Black	Black	Black	Black
Material, base	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Height, seat (mm)	440 mm - 600 mm	440 mm - 600 mm	440 mm - 600 mm	600 mm - 850 mm	600 mm - 850 mm	600 mm - 850 mm
Order number	266-931-JB	266-933-JB	266-935-JB	266-932-JB	266-934-JB	266-936-JB

ESD work stool

- Suitable for use in ESD protection areas
- Electrically conductive in accordance with DIN 61340-5-1, resistance $< 10^6 \Omega$
- Stepless seat height adjustment
- Sturdy and stable with wide base
- Robust surface in PU or imitation leather



Surface	Artificial leather	Pu
Colour	Black	Black
Material, base	Aluminium	Aluminium
Height, seat (mm)	450 mm - 620 mm	440 mm - 610 mm
Order number	266-978-JB	266-980-JB

Accessories	Order number
Upholstery and edge protection for work chairs	266-929-JB
Armrest PU for work chairs	266-930-JB
Armrest PU for ESD work chairs	266-937-JB
Upholstery and edge protection orange for ESD work chairs	267-226-JB

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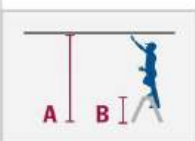
KRAUSE



Assembly step in aluminium

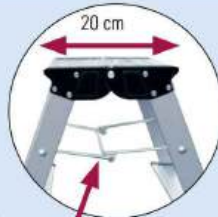
The proven, lightweight aluminium access step for demanding industrial applications with anti-slip steps

- Sturdy aluminium work platform for maintenance and assembly work
- Sturdy welded tube design
- Safe ascent and comfortable standing with 240 mm deep steps and upper area (520 x 305 mm) in aluminium treadplate
- Slip resistant feet
- GS tested, compliant to EN 14183



Work surface height a [m]	2.2	2.4	2.6	2.8	3.0
Stand height B [m]	0.2	0.4	0.6	0.8	1.0
Number of steps/levels	1	2	3	4	5
Weight [kg]	2.4	5.0	7.0	9.8	12.0
Order number	156-809-JB	156-813-JB	156-814-JB	156-815-JB	156-817-JB

KRAUSE



Sturdy prevention against unintentional folding



Wheels/automatic brake

Aluminium step ladders, with wheels

The mobile and colourful aluminium step for climbing applications, working height 2.45 m (2.65 m in the 3-step version)

- Sturdy, stable, light and handy working podium
- Under a load, the 4 wheels sink up into the feet to ensure maximum stability
- The 80 mm steps have a profiled surface to reduce slipping when climbing and standing
- Only 190 mm when folded up
- Quick to store with space saving dimensions
- Sturdy lock prevents unintentional folding
- TÜV tested, compliant to EN 14183



Number of steps/levels	2 x 2	2 x 2	2 x 2	2 x 2	2 x 2	2 x 3
Stand height [m]	0.45	0.45	0.45	0.45	0.45	0.65
Colour	-	Green	Pink	Yellow	Blue	-
Weight [kg]	2.0	2.0	2.0	2.0	2.0	3.0
Order number	137-482-JB	257-456-JB	257-457-JB	137-489-JB	137-494-JB	137-487-JB



Assembly step in aluminium, with grid steps

The robust, proven aluminium access step with deep, anti-slip grid steps and large platform is ideal for all damp and oily working environments.

- For use at workplaces where slippery substances are used, or workrooms where there is an increased risk of slipping
- Improved safety with grid steps with a toothed surface, meeting the strictest requirements for slip reduction (assessment group R13 in accordance with BGR 181)
- Upper standing area: 520 x 305 mm
- Step depth: 240 mm
- Safe ascent and comfortable standing with stable tubular aluminium design and additional grip profiles on the step edges
- Slip resistant feet



Work surface height a [m]	2.2	2.4	2.6	2.8	3.0
Stand height B [m]	0.2	0.4	0.6	0.8	1.0
Number of steps/levels	1	2	3	4	5
Weight [kg]	2.5	5.4	8.0	11.0	13.5
Order number	156-827-JB	156-828-JB	156-829-JB	156-830-JB	156-831-JB

Assembly step in aluminium, with handrail and rollers

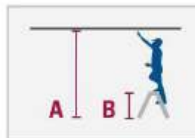
The mobile, lightweight aluminium access step for demanding industrial applications with anti-slip steps and rail

- Handrail for improved safety
- Two wheels enable it to be easily moved to a new location
- Sturdy aluminium work platform for maintenance and assembly work
- Sturdy welded tube design

- Safe ascent and comfortable standing with 240 mm deep steps and upper area (520 x 305 mm) in aluminium treadplate
- Slip resistant feet
- GS tested, compliant to EN 14183



Work surface height a [m]	2.6	2.8	3.0
Stand height B [m]	0.6	0.8	1.0
Number of steps/levels	3	4	5
Weight [kg]	8.5	11.3	16.0
Order number	156-818-JB	156-824-JB	156-825-JB



ORDER AT THE SAME TIME

Foot plate with rubber matting

- Can compensate for floor unevenness up to max. 50 mm
- Particularly secure rubber matting - grease, oil and acid resistant
- Foot is movable (20 degrees)
- For easy self-assembly (1 set = 4 pieces)



Order no. 156-835-JB



Integral tray in safety hoop



Stepladders in aluminium

The sturdy aluminium stepladder with multifunction tray and bucket hook for professional use

- Accessible from one side, with large, secure platform for professional use
- Large work platform for safe standing when working for long periods
- Safe to step on and comfortable to stand on with profiled, 80 mm deep steps which are braced to the rails
- High safety handle with integral tray
- With 2 safety harnesses when working above 3.40 m
- Slip-resistant, two component foot stops for improved standing safety
- Linkage stoppers to prevent crushing
- GS tested, in accordance with EN 131

Work surface height a [m]	2.95	3.20	3.40	3.65	3.90	4.35	4.80
Work surface height B [m]	0.95	1.20	1.40	1.65	2.90	2.35	2.80
Work surface height C [m]	1.70	1.95	2.21	2.46	2.70	3.20	3.70
Number of steps/levels	4	5	6	7	8	10	12
Weight [kg]	6.4	7.3	8.4	9.5	10.5	13.0	15.6
Order number Without castors	156-870-JB	156-871-JB	156-872-JB	156-873-JB	156-874-JB	156-875-JB	156-876-JB



Integral castors provide mobility



In accordance with DGV Information 208-016, the tension- and pressure-resistant spreading safety devices must be inserted when using mobile stepladders.

Work surface height a [m]	2.95	3.20	3.40	3.65	3.90	4.35	4.80
Work surface height B [m]	0.95	1.20	1.40	1.65	1.90	2.35	2.80
Work surface height C [m]	1.70	1.95	2.21	2.46	2.70	3.20	3.70
Number of steps/levels	4	5	6	7	8	10	12
Weight [kg]	8.7	9.7	10.7	11.7	12.5	15.3	17.9
Order number With rollers	156-878-JB	156-879-JB	156-880-JB	156-881-JB	156-882-JB	156-884-JB	156-885-JB



Aluminium step ladders, loadable up to 250 kg

R 13 tread for certified slip resistance on steps that may be most used

- 80mm deep steps, with certified, anti-slip clip-step R13 treads for use in wet and oily work areas
- Lower rail ends with nivello® anti-skid feet. The nivello® feet with 2-axis tilting technology provide complete floor support and ensure a high level of work safety
- The ergo-pad® is an ergonomically shaped grip zone on stepladders which is attached to the optimal carrying point of the ladder. This allows the ladder to be carried at its centre of gravity without strain on the back
- High quality for industrial use, the ladders meet the requirements of EN 131-1 and - 2
- The high stability and slip resistance of the ladders allow even better prevention and reduction of accidents at work



Working height up to approx. [m]	2.25	2.50	2.75	3.00	3.25	3.50
Number of steps/levels	2 x 3	2 x 4	2 x 5	2 x 6	2 x 7	2 x 8
Weight [kg]	7	8	10	12	14	15
Order number	262-181-JB	262-182-JB	262-183-JB	262-184-JB	262-185-JB	262-186-JB

Single sided access podium ladder

- Certified to EN 131, BGI 637, BGI 694 and bgv-d 36
- Corrosion and weather resistant, high-strength aluminium version
- Narrow width, ideal for working close to racking, giving more access room in gangways
- 4 swivel castors (D=125 mm), with automatic deflection, 2 with brakes
- Aluminium platform railing Ø 40 mm with integral knee rail, height 1000 mm
- Platform size 600 x 700 mm
- Depth of step 175 mm
- Delivered in sections with assembly instructions, for quick on-site assembly
- Accessories: handrails, fitted either on the right or left (above a platform height of 1.0 M handrails are required on both sides in accordance with BGI 637)



Single sided platform ladder in aluminium



Dual sided platform ladder in aluminium

		Single sided access podium ladder					
Work surface height a [m]		2.70	2.95	3.20	3.45	3.65	3.90
Work surface height B [m]		0.70	0.95	1.20	1.45	1.65	1.90
Number of steps/levels		3	4	5	6	7	8
Weight [kg]		30.0	33.4	36.8	40.2	51.4	62.8
Order number		137-677-JB	137-678-JB	137-679-JB	137-680-JB	137-681-JB	137-682-JB

		Dual sided access podium ladder					
Work surface height a [m]		2.70	2.95	3.20	3.45	3.65	3.90
Work surface height B [m]		0.70	0.95	1.20	1.45	1.65	1.90
Number of steps/levels		2 x 3	2 x 4	2 x 5	2 x 6	2 x 7	2 x 8
Weight [kg]		31.6	36.8	42.4	47.8	52.8	58.4
Order number		137-723-JB	137-724-JB	137-726-JB	137-727-JB	137-728-JB	137-729-JB

ORDER AT THE SAME TIME

Handrail in aluminium

Available for left and / or right hand podium sides (order number covers both single and dual-sided access podium ladders)

	Order number Handrail right
For 3 or 4 steps	192-104-JB
For 5 or 6 steps	192-106-JB
For 7 or 8 steps	192-108-JB

Stepladder with large platform

Single sided access aluminium stepladder with 2 handrails

- Meets the requirements of BGV D 36 and BGI 637
- Extra high, ergonomic safety hoop for working hands-free while preventing back pain
- Profiled, 80 mm deep steps, crimped tightly to the rails, for safe climbing and comfortable standing
- Integral tray for tools
- Includes 2 castors for simple, safe transport
- Slip resistant foot stops for improved stability



Work surface height a [m]	3.40	3.65	3.90	4.10	4.35	4.80	5.30
Stand height B [m]	1.40	1.65	1.90	2.10	2.35	2.80	3.30
Ladder length C [m]	2.60	2.85	3.10	3.35	3.60	4.10	4.60
Number of steps/levels	6	7	8	9	10	12	14
Weight [kg]	18.5	20.0	21.0	22.0	23.5	26.0	29.0
Width, external [mm]	580	580	580	580	580	580	580
Order number	209-566-JB	209-567-JB	209-568-JB	209-569-JB	209-570-JB	209-571-JB	209-572-JB

Machine protection system 9900 - variable and versatile

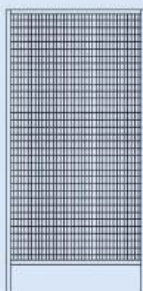
Maximum safety in the workplace plays an important role in companies, e.g. on automatic systems or robots. The mesh size of 50 x 25 mm prevents reaching through and complies with EN ISO 13857.

- Perfect accident prevention for automatic equipment
- Design meets machinery directive 2006/42/EC
- Simple assembly with panels screwed into the connecting posts. Included in the delivery are anchors (for concrete floors) and fixing straps (for wall elements and posts which are separately available)
- Height: 2000 mm
- Sturdy flat matrix construction, mesh size 50 x 25 mm
- Ground clearance: 200 mm
- Coating in yellow (RAL 1018), posts in black (RAL 9005)



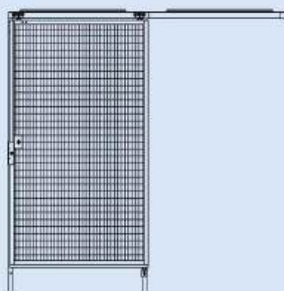
Design	External dimensions W x H [mm]	Order number
Wall element	500 x 2000	129-333-JB
Wall element	750 x 2000	129-334-JB
Wall element	1000 x 2000	129-335-JB
Wall element	1250 x 2000	129-336-JB
Single door can be used left or right handed	1000 x 2000	129-337-JB
2-wing double door	2000 x 2000	129-338-JB
Sliding door with guide rail	1000 x 2000	129-339-JB
End posts	70 x 2000	129-340-JB
Central post	70 x 2000	129-341-JB
T post	70 x 2000	130-292-JB
CORNER post	70 x 2000	129-342-JB

Machine protection system 9900 - variable and versatile



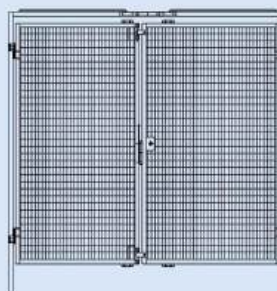
Wall panels
in 4 widths, height: 2000 mm,
ground clearance: 200 mm

Order no. 129-333-JB



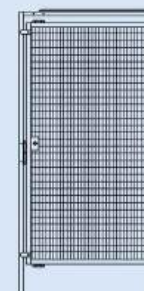
Sliding door
With rails and bumper stops.
Magnetic closure with handle

Order no. 129-339-JB



Double door
As single door, but 2-wing

Order no. 129-338-JB



Single door
Can be used right or left
handed, lockable handle

Order no. 129-337-JB



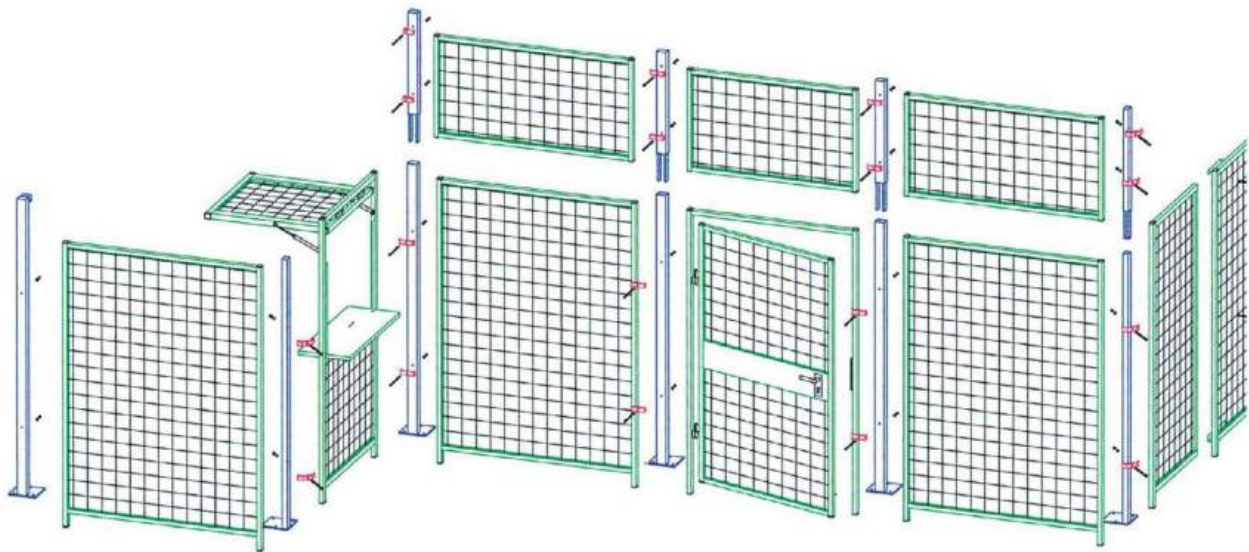
Partition wall system 9200- the all-round system for industrial use

A modular system, the individual elements can be combined for an individual solution. The partition wall system in flat mesh and C-profile frames guarantees maximum safety and is proven in practice

- Variable, multipurpose system for separating operational and storage areas
- For quick do-it-yourself construction of barriers, warehouse walls and room partitions
- Ideally suited to securing work areas or protective valuable goods
- We would be pleased to provide you with advice. Send us a simple sketch with dimensions and we will prepare a customised quote. A sketch is required for an order with sliding doors
- Easy to assemble and can be extended at any time
- Module design - join several sections together
- Wide range of door options

Element by element, adds up to the right solution

We would be pleased to provide you with advice. Based on a simple sketch, we can create an individual offer. Find an extensive selection of different elements in our online shop.



The simple and logical structure makes it easy to combine different elements into a customised solution



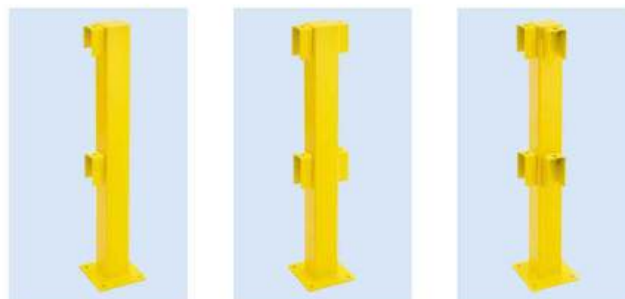
Order example with service window (blue coloured element)

Solid protection and safety railing

Extremely robust with solid protection and safety railing in profile steel for indoor and outdoor use. Clearly separates roadways (forklift trucks/pedestrians) and protects working areas, stock and buildings



- Variable system with posts and rails
- Quick, easy installation
- Ideal for object specific solutions
- Interlocking, easy to extend, railing gate suitable for all posts
- Height: 1000 mm
- Floor mounting using 4 Universal anchor bolts per post (10/100) or 4 through anchor bolts (12/120) for concrete floors (optional)
- Wall thickness 3 mm, base plate: 200 x 200 x 10 mm
- For outdoor use: hot dip galvanised and plastic coated in yellow
- For indoor use: plastic coated in yellow



End post

Central post

CORNER post



Quick, simple assembly



Closed construction, no clips or screws



36.364 N

Maximum force absorption

Accessories	Through-anchor (for concrete floors) 12/120, 1 piece	Universal anchor bolt (with bolt) 10/100, 1 piece
Order number	233-428-JB	233-427-JB

Design	Start/end post	Central post	CORNER post	Crossbar 1000 mm	Crossbar 1200 mm	Crossbar 1500 mm	Crossbar 2000 mm	Railing gate with protective panel
External dimensions W x D x H [mm]	100 x 100 x 1000	100 x 100 x 1000	100 x 100 x 1000	1000 x 80 x 120	1200 x 80 x 120	1500 x 80 x 120	2000 x 80 x 120	905 x 30 x 520
Order number plastic coated	180-229-JB	180-230-JB	180-231-JB	180-235-JB	180-236-JB	180-237-JB	180-262-JB	240-912-JB
Order number hot dip galvanised / plastic coated	180-232-JB	180-233-JB	180-234-JB	180-263-JB	180-264-JB	180-265-JB	180-266-JB	-



Impact protection boards for sturdy yet flexible object protection

Effective protection of columns, posts, working areas etc. Against the damage typically caused by forklift trucks and operational traffic. The impact protection boards are supplied in a C profile, with A 3 mm wall thickness.



- Flexible impact protection system for use inside and outside
- Solid steel elements ensure maximum force absorption
- Easy single-handed assembly
- Suitable for long straight stretches or routes with numerous bends
- Wall thickness 3 mm, base plate: 160 x 140 x 10 mm
- 4 bolts are needed per post

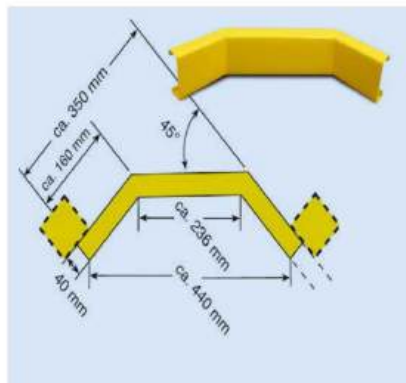
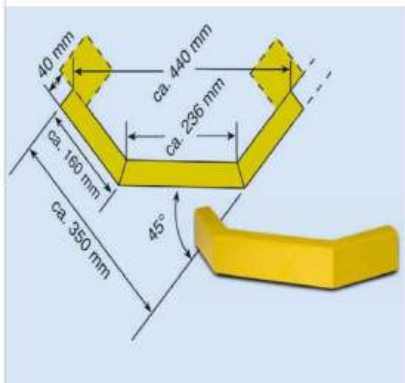


Maximum force absorption

Impact protection boards will protect your valuable equipment and ensure your operations run smoothly and safely



Product short description	Impact protection board W 1000 mm	Impact protection board W 1200 mm	Impact protection board W 1500 mm	Impact protection board W 2000 mm	Post
External dimensions W x D x H [mm]	1000 x 40 x 100	1200 x 40 x 100	1500 x 40 x 100	2000 x 40 x 100	80 x 80 x 465
Order number plastic coated	207-484-JB	207-485-JB	207-486-JB	207-487-JB	207-478-JB
Order number hot dip galvanised / plastic coated	207-488-JB	207-489-JB	207-490-JB	207-491-JB	207-479-JB



- End panel joint in alu, can be used either as an inner or outer corner, angle set between 90° and 180°



End panel joint, angle can be set to between 90° and 180°

Order no. 248-487-JB

Product short description	External CORNER, see diagram above for dimensions	Internal CORNER, see diagram above for dimensions
Order number plastic coated	207-493-JB	207-496-JB
Order number hot dip galvanised / plastic coated	207-494-JB	207-497-JB

ORDER AT THE SAME TIME

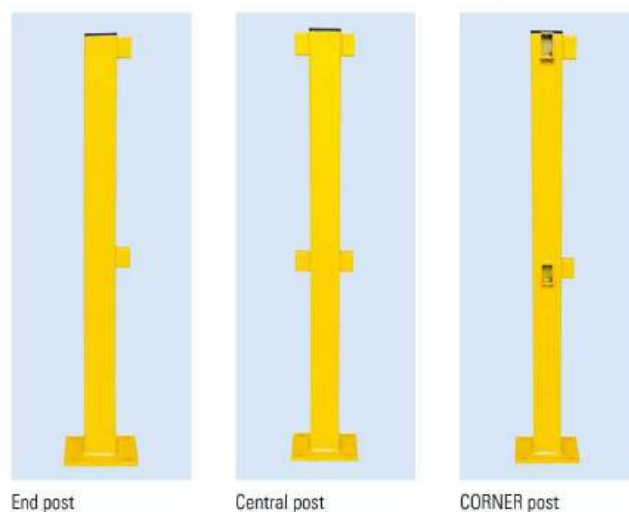
Accessories	Impact prot. Board extension set, yellow	C-profile edge impact prot. Board cap	Universal anchor bolt 10/100, 1 piece
Order number	207-500-JB	207-498-JB	233-427-JB
			233-428-JB

Light duty crash protection rails

Sturdy protective rails in profile steel for indoor and outdoor use. Clearly and cost-effectively separates traffic routes (pedestrian and light forklift traffic), protects work areas, stock and buildings.



- Simple, variable system with posts and rails for easy assembly
- Slim, compact dimensions
- Closed construction: no clips or screws
- Can be adjusted to suit requirements
- Floor mounting using 4 universal anchor bolts per post (10/100) or 4 through anchor bolts (12/120) for concrete floors (optional)
- Posts, 3 mm thick with black cap, base plate 140 x 160 x 10 mm
- Crossbars, 3 mm thick, 60 x 40 mm, 1 each
- For outdoor use: hot dip galvanised and plastic coated in yellow
- For indoor use: plastic coated in yellow



Maximum force absorption
17.021 N

End post

Central post

CORNER post

Rails, 1000, 1200, 1500 or 2000 mm long

Accessories	Through-anchor (for concrete floors) 12/120, 1 piece	Universal anchor bolt (with bolt) 10/100, 1 piece
Order number	233-428-JB	233-427-JB

Design	Start/end post	Central post	CORNER post	Crossbar 1000 mm	Crossbar 1200 mm	Crossbar 1500 mm	Crossbar 2000 mm
External dimensions W x D x H [mm]	70 x 70 x 1000	70 x 70 x 1000	70 x 70 x 1000	1000 x 40 x 60	1200 x 40 x 60	1500 x 40 x 60	2000 x 40 x 60
Order number plastic coated	248-367-JB	248-365-JB	248-363-JB	248-355-JB	248-356-JB	248-357-JB	248-358-JB
Order number hot dip galvanised / plastic coated	248-368-JB	248-366-JB	248-364-JB	248-359-JB	248-360-JB	248-361-JB	248-362-JB



Flexible collision protection - the hybrid railing

The best of two worlds - combines the advantages of steel and plastic. The flexible steel posts and the plastic crossbars absorb impact energy and minimise the load in the event of a collision, especially for the floor. The risk of damage to the floor is significantly reduced.

- The flexible railing system
- The posts are equipped with a spring element in PU and bend under load up to 10°, approx. 175 mm. This significantly reduces the load on the hall floor and minimises possible damage to the floor.
- The crossbars are made of a special polypropylene with high resistance. The elastic material absorbs the impact energy
- Additional protection is provided by the steel underide bars, which can be optionally mounted between the posts



The posts are supplied including UV-resistant PU spring element



Power absorption maximum
Maximum force absorption

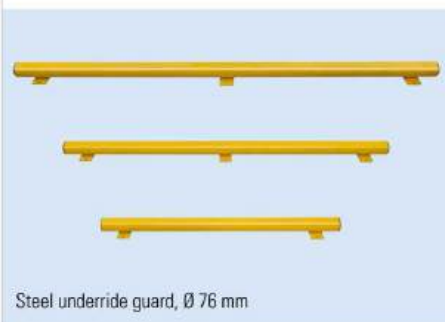


Design	Start/end post	Central post	CORNER post
External dimensions W x D x H [mm]	100 x 100 x 1040	100 x 100 x 1040	100 x 100 x 1040
Order number plastic coated	271-633-JB	271-634-JB	271-635-JB
Order number hot dip galvanised / plastic coated	271-636-JB	271-637-JB	271-638-JB



Always use the bevelled crossbars in combination with a corner post

Design	Crossbar 1500 mm	Crossbar 2000 mm	Crossbar W 2300 mm	Crossbar for corner post, 1500 mm	Crossbar for corner post, 2000 mm	Crossbar for corner post, 2300 mm
External dimensions W x D x H [mm]	1500 x 52 x 74	2000 x 52 x 74	2300 x 52 x 74	1500 x 52 x 74	2000 x 52 x 74	2300 x 52 x 74
Order number	271-639-JB	271-640-JB	271-641-JB	271-642-JB	271-643-JB	271-644-JB



Steel underide guard, Ø 76 mm



Underide protection 1250 mm

ORDER AT THE SAME TIME



Order no. 207-475-JB

Mounting set (galvanised) for 2 spring elements (1 impact protection rail or 2 posts)

Design	Suitable for crossbar 1500 mm	Suitable for crossbar 2000 mm	Suitable for crossbar 2300 mm
Item explanation	Underide protection 1250 mm	Underide protection 1750 mm	Underide protection 2050 mm
Order number plastic coated	271-645-JB	271-646-JB	271-647-JB
Order number hot dip galvanised / plastic coated	271-648-JB	271-649-JB	271-650-JB

Collision protection plate

- Protection for stock, buildings and employees
- Ideal to protect shelving, corners, supports etc
- Steel, plastic coated, yellow, with black safety stripes
- Required collision protection for fixed racks where industrial trucks are used, if these are not on rails



Collision protection is required for fixed racks where industrial trucks are used. These collision protection plates are ideally suited for protecting rack supports, corners or transit areas.

4 mounting dowels (angle profile) are needed for the impact protection CORNER and 6 are needed for the U profile

Model	angle profile	angle profile	angle profile	angle profile	U profile	U profile	U profile	U profile
External dimensions W x D x H [mm]	160 x 160 x 400	160 x 160 x 400	160 x 160 x 800	160 x 160 x 1200	160 x 160 x 400	160 x 160 x 400	160 x 160 x 800	160 x 160 x 1200
Material thickness [mm]	5	6	6	6	5	6	6	6
Order number	248-457-JB	180-221-JB	180-222-JB	180-223-JB	248-458-JB	180-224-JB	240-900-JB	240-901-JB



Accessories	Universal anchor bolt (with bolt) 10/100, 1 piece	Through-anchor (for concrete floors) 12/120, 1 piece
Order number	233-427-JB	233-428-JB

Model	U profile	angle profile
Design	Inc. 2 Guide rollers	Inc. 1 Guide roller
External dimensions W x D x H [mm]	160 x 160 x 400	160 x 160 x 400
Material thickness [mm]	6	6
Order number	219-757-JB	219-756-JB

Impact protection corner incl. guide rollers to channel away a large part of side collision forces.



Shelving collision protection

- Can be assembled in seconds, does not need fixing to the ground
- Impact absorption up to an impact force of up to 2.4 Tonnes
- Elastic, resilient, dimensionally stable - returns to initial shape
- For the safety and protection of shelving, prevents accidents and minimises time and cost of repairs
- Advantageous slim design, no loss of shelf space
- Suitable for refrigerated warehouses down to -40°
- Optimum fit, cannot be ripped off when moving the pallets in and out
- DEKRA tested and certified to European and international standards, FEM 10.2.02, AS4084
- Height: 600 mm

Model	M	L	XXL
Rack stand width	88-100 mm	101-120 mm	111-120 mm
Order number	207-401-JB	207-402-JB	240-233-JB

This easy to fit shelf protection system is non-toxic, fully recyclable and long lasting



Rack collision protection in steel

- For protecting racking at the front
- Adjustable (up to 200 mm per protective CORNER)
- Multi-sided shelf post protection
- For indoor use
- Consists of two large protective corners, two boards (C profile) and 4 clips
- Steel, yellow plastic coated with black signal stripes
- Floor mounting using 12 universal anchor bolts (10/100) or 12 through anchor bolts (12/120) for concrete floors (optional)
- Easy assembly



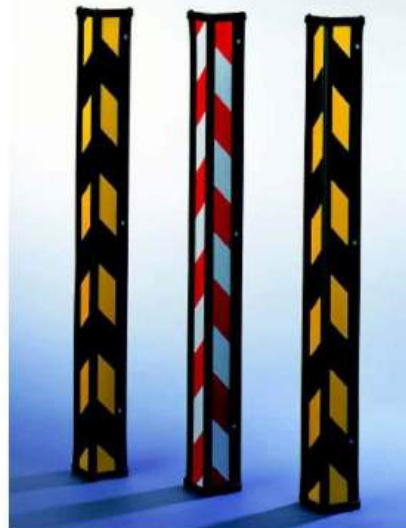
Adjustable width (up to 200 mm per protective CORNER)



Model	E 1	D 2	D 2.1
Design	For shelf widths from 900 to 1300 mm	For shelf widths from 1700 to 2100 mm	For shelf widths from 2300 to 2700 mm
External dimensions D x H [mm]	190 x 500	190 x 500	190 x 500
Order number	233-420-JB	233-421-JB	233-422-JB

CORNER protection barrier

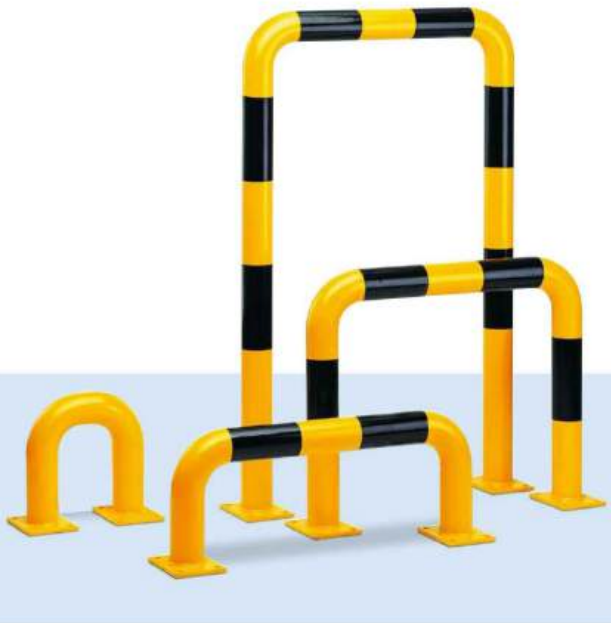
- Visible warning
- Long life
- Quick and easy attachment due to predrilled holes with enclosed screws and dowels
- Protect corners, edges, pillars etc. with the minimum outlay.
- High impact resistance and shape retention
- Suitable for indoor and outdoor use
- Height: 900 mm, width of lateral edges: 84 mm, thickness: 14 mm
- Supplied in pairs



The Universal protective CORNER is made from resistant plastic with a strengthening metal inner core



Model	Yellow / black	Yellow / black reflective	Red/white
Order number	207-403-JB	207-405-JB	207-404-JB



Protective hoops

- Improved protection and safety for people and machinery
- Robust steel safety system (thickness 3 mm) for protecting sensitive areas, routes or shelving
- Tube material (Ø 76 mm) drawn from one piece - no weld seams
- Floor mounting using 8 Universal anchor bolts (10/100) or 8 through anchor bolts (12/120) for concrete floors (optional)
- For indoor use: yellow plastic coated, with black signal stripes
- For indoor and outdoor use: hot dip galvanised, yellow plastic coated, with black signal stripes
- With welded base plate (160 x 140 x 10 mm) for securing with anchor bolts



Model	R 3.3	R 7.3	R 10.3	R 7.6	R 10.6	R 12.7	R 12.10
External dimensions W x H [mm]	375 x 350	750 x 350	1000 x 350	750 x 600	1000 x 600	750 x 1200	1000 x 1200
Order number Interior	145-165-JB	145-167-JB	145-171-JB	145-172-JB	145-173-JB	145-174-JB	145-175-JB
Order number Indoors and outdoors	145-176-JB	145-177-JB	145-178-JB	145-179-JB	145-180-JB	145-181-JB	145-182-JB



Extreme impact protection guard

- 108 mm diameter, thickness 3.6 mm
- Protects from the hardest impacts
- Solid impact protection to protect key installations
- No weld seams
- Extremely strong round hoop in high grade steel to protect against collision damage
- Floor mounting with 8 through anchor bolts (16/140), optionally available
- For indoor use: yellow plastic coated, with black signal stripes
- Base plates: 200 x 140 x 10 mm
- For indoor and outdoor use: hot dip galvanised, yellow plastic coated, with black signal stripes

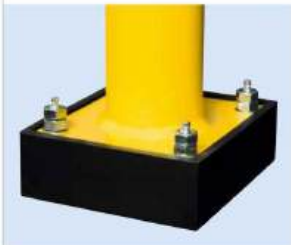


Model	6.5	10	15	20	H 6.5	H 10	H 15	H 20
External dimensions W x H [mm]	650 x 600	1000 x 600	1500 x 600	2000 x 600	650 x 1200	1000 x 1200	1500 x 1200	2000 x 1200
Order number Interior	207-456-JB	207-457-JB	207-458-JB	207-459-JB	207-464-JB	207-465-JB	207-466-JB	207-467-JB
Order number Indoors and outdoors	207-460-JB	207-461-JB	207-462-JB	207-463-JB	207-468-JB	207-470-JB	207-471-JB	207-472-JB
Accessories	Universal anchor bolt (with bolt) 10/100, 1 piece			Through-anchor (for concrete floors) 12/120, 1 piece			Through-anchor 16/140, 1 piece	
Order number	233-427-JB			233-428-JB			207-473-JB	



Flexible impact protection rail

- Flexible protection bars (up to 10°) in high quality steel
- Incl. UV resistant spring element in PU
- Minimises impact and repair damage, the floor is loaded less in the event of an impact
- 3 mm wall thickness, Ø 76 mm, base plate: 160 x 140 x 10 mm
- Maximum tilt:
 - 55 mm at a height of 390 mm
 - 95 mm at a height of 640 mm
 - 190 mm at a height of 1240 mm
- For indoor use: yellow plastic coated, with black signal stripes
- For indoor and outdoor use: hot dip galvanised, yellow plastic coated, with black signal stripes
- A mounting kit is needed for mounting each bar (order No. 207475)



ORDER AT THE SAME TIME



Mounting set (galvanised) for 2 spring elements (1 impact protection rail or 2 posts)

Order no. 207-475-JB



Model	R 3.3 N	R 7.3 N	R 10.3 N	R. 7.6 N	R 10.6 N	R 12.7 N	R 12.10 N
External dimensions W x H [mm]	375 x 390	750 x 390	1000 x 390	750 x 640	1000 x 640	750 x 1240	1000 x 1240
Order number Inner	248-330-JB	248-331-JB	248-332-JB	248-333-JB	248-334-JB	248-335-JB	248-336-JB
Order number Indoors and outdoors	248-337-JB	248-338-JB	248-339-JB	248-340-JB	248-341-JB	248-342-JB	248-343-JB

Impact protection rail with underride protection, Ø 76 mm

- With integrated underride protection
- Sturdy protective hoop in high grade steel
- With 4 mm thick steel plates for anchor bolts
- Prevents dangerous insertion of the fork lift truck forks into racking areas or other equipment worthy of protection
- Steel protection hoop (Ø 76 mm), yellow plastic coated, with black signal stripes
- 4 mm thick underride protection, height 150 mm - overall height 350 mm, height 400 mm - overall height 600 mm
- For internal usage
- Floor mounting using 8 Universal anchor bolts (10/100) or 8 through anchor bolts (12/120) for concrete floors (optional)



External dimensions W x H [mm]	750 x 350	1000 x 350	750 x 600	1000 x 600
Order number	172-870-JB	172-871-JB	172-872-JB	172-873-JB



Low level protection bars

- Stops pallet trucks, Roll containers and trolleys
- Protects machinery, switchboxes, safety equipment etc. From collision damage
- Acts as spacer for wall-mounted items, switchboxes etc
- Yellow plastic coated with black signal stripes
- Sturdy tubular structure of 3 mm high grade steel
- Diameter: 76 mm, overall height: 86 mm
- Low design, so an area is protected and nevertheless remains accessible
- Floor mounting using 4/6 universal anchor bolts (10/100) or 4/6 through anchor bolts (12/120) for concrete floors (optional)
- Can also be supplied in special dimensions on request



External dimensions W x H [mm]	400 x 86	800 x 86	1200 x 86
Order number	165-527-JB	165-528-JB	165-529-JB



You can also protect curves and corners with CORNER impact protection bars

Body dimensions W x D x H [mm]	638 x 638 x 86
Order number	207-453-JB



CORNER protection hoop

- Optimum protection for corners against being rammed by trolleys, forklifts, etc
- Robust curved tubular construction in 3 mm high grade steel
- Diameter: 76 mm
- The CORNER protectors should be attached with special bolts (12 per CORNER) which are also available
- Available in 3 heights

Model	RE 4	RE 6	RE 12
External dimensions W x D x H [mm]	600 x 600 x 350	600 x 600 x 600	600 x 600 x 1200
Order number plastic coated	165-530-JB	165-531-JB	165-532-JB
Order number hot dip galvanised / plastic coated	165-533-JB	165-534-JB	165-535-JB

12 special bolts required for each CORNER protection hoop, see accessories

Accessories	Universal anchor bolt (with bolt) 10/100, 1 piece	Through-anchor (for concrete floors) 12/120, 1 piece
Order number	233-427-JB	233-428-JB

Impact and object protection

Protection for shelving, machinery and fire extinguishers for example

- Sturdy tubular structure (Ø 42.4 mm, thickness 3.25 mm)
- Powder coated in yellow warning colour (RAL 1018) with black warning rings
- Primed in zinc prior to painting
- Delivered with supports to fix into concrete to hold the barrier in place (anchor dowel 12 x 110 galv.)

CORNER protection hoop 90°



Dimensions L x H (mm): 350 x 300

Order no. 157-923-JB

Dimensions L x H (mm): 350 x 600

Order no. 157-946-JB

Impact protection hoop

- For shelving



Dimensions L x H (mm): 1250 x 300

Order no. 157-928-JB

Dimensions L x H (mm): 1250 x 600

Order no. 157-944-JB

Impact protection hoop

- To fix on the wall or shelves



Dimensions L x H (mm): 350 x 300

Order no. 157-932-JB

Dimensions L x H (mm): 750 x 300

Order no. 157-941-JB

Dimensions L x H (mm): 1000 x 300

Order no. 157-943-JB

Protective hoops

- For securing and marking thoroughfares and hazardous areas
- Tube Ø: 42 mm, with foot plate, Ø 120 mm
- Thickness of steel: 2 mm
- Delivered with supports to fix into concrete to hold the barrier in place (anchor dowel 12 x 110 galv.)
- In hot dip galvanised design or with additional powder coating in warning yellow, RAL 1018 and black warning markings (adhesive)



Model	SB L1	SB L2	SB L3	SB V1	SB V2	SB V3
External dimensions W x H [mm]	1000 x 1000	1500 x 1000	2000 x 1000	1000 x 1000	1500 x 1000	2000 x 1000
Surface	painting	painting	painting	galvanized	galvanized	galvanized
Order number	157-947-JB	157-949-JB	157-951-JB	157-952-JB	157-955-JB	157-956-JB

Removable impact protection rail Ø 76

Saves costly disassembly of fixed impact protection barriers
For temporary blocking or clearing for example paths or shelving aisles

- With 4 mm thick steel plates for anchor bolts
- The u-bar is placed in the base plate, pushed back and fastened
- A cover plate protects it from slipping out of place and against dirt
- Floor mounting using 8 Universal anchor bolts (10/100) or 8 through anchor bolts (12/120) for concrete floors (optional)
- Sturdy protective hoop in high grade steel
- Steel protection hoop (Ø 76 mm), yellow plastic coated, with black signal stripes
- For internal usage

W x H [mm]	750 x 350	1000 x 350	750 x 600	1000 x 600
Order number plastic coated	180-225-JB	180-226-JB	180-227-JB	180-228-JB

Accessories	Universal anchor bolt (with bolt) 10/100, 1 piece	Through-anchor (for concrete floors) 12/120, 1 piece
Order number	233-427-JB	233-428-JB

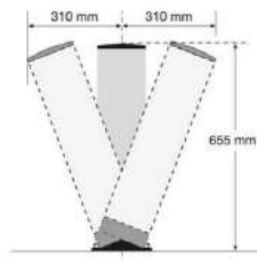




Steel impact protection bollard

- Also painted Yellow / black as a warning
- Suitable for use outdoors or inside buildings
- For demarcation and securing of traffic routes, thoroughfares etc. Or as collision protection for machinery, racking, columns or corners of buildings
- Improved safety for people and machinery
- Floor mounting using 4 Universal anchor bolts (14/110) or 4 through anchor bolts (16/140) for concrete floors (optional)
- Height from top edge to ground: 1200 mm. Overall height for version for concreting in: 1600 mm

Model	S	L	XL	XXL	S	L	XL	XXL
Height [mm]	1200	1200	1200	1200	1600	1600	1600	1600
Diameter [mm]	90	159	194	273	90	159	194	273
Features	Incl. floor plate 200 x 200 x 10 mm	Incl. floor plate 250 x 250 x 15 mm	Incl. floor plate 250 x 250 x 15 mm	Fillable, incl. floor plate 350 x 350 x 15 mm	–	–	–	Fillable
Order number For ground anchoring	252-184-JB	145-187-JB	180-214-JB	180-216-JB	–	–	–	–
Order number For setting into concrete	–	–	–	–	252-185-JB	145-184-JB	180-215-JB	180-217-JB
Accessories	1 special bolt 14/110, with screws	1 special bolt 14/110, with screws	Through-anchor 16/140, 1 piece	Through-anchor 16/140, 1 piece	–	–	–	–
Order number	145-188-JB	145-188-JB	207-473-JB	207-473-JB	–	–	–	–



Flexible impact protection bollard

Flexible collision protection barrier in steel with bend angle of up to 25°

- Absorbs impact, then automatically returns to original position
- Minimises damage to bollard and to vehicles
- Thickness 4.5 mm
- Floor mounting using 4 universal anchor bolts (10/100) or 4 through anchor bolts (12/120) for concrete floors (optional)

Accessories	Universal anchor bolt (with bolt) 10/100, 1 piece	Through-anchor (for concrete floors) 12/120, 1 piece
Order number	233-427-JB	233-428-JB

Model	A	I
Height [mm]	665	665
Diameter [mm]	159	159
Surface	hot dip galvanised / plastic coated	plastic coated
Order number	207-449-JB	207-448-JB



Tubular steel bollard

Heavy duty impact protection bollard to secure gateways, protect buildings etc

For securing gateways, protecting buildings etc

- With welded steel cap
- For concreting in or using anchor bolts
- Hot dip galvanised or coated in white, with three reflective red stripes
- Tubular steel bollard for use with anchor bolts, incl. base plate.
Diameter 152 mm: 220 x 220 mm
Diameter 193 mm: 360 x 360 mm



4 mounting screws
16 x 50 mm,
mounting anchor

Order no. 249-381-JB

Height [mm]	1000	1000	1000	1500	1500	1500	2000	2000
Diameter [mm]	152	152	193	152	152	193	152	152
Surface	Hot dip galvanised	hot dip galvanised / plastic coated	Hot dip galvanised	Hot dip galvanised	hot dip galvanised / plastic coated	hot dip galvanised / plastic coated	Hot dip galvanised	hot dip galvanised / plastic coated
Colour	–	Red / white	–	–	Red / white	Red / white	–	Red / white
Order number For ground anchoring	249-348-JB	249-351-JB	249-354-JB	–	–	–	–	–
Order number For setting into concrete	–	–	–	249-346-JB	249-349-JB	249-355-JB	249-347-JB	249-350-JB



Protective bollards and protective bars in steel for eye-catching protection for charging points

Charging points for electric vehicles will become a significant factor in modern traffic in the future. Attractive protective bollards/bars are an ideal solution to protect them from collision damage during hectic everyday life and to make them stand out visually.

- Protect your charging infrastructure and sensitive, electronic components
- Visually appealing and effective protection for charging points



The brackets are available in widths of 360 or 500 mm, with a bracket height of 800 mm and an overfloor height of approx. 500 mm.



Safety and appearance in perfect harmony

Dimensions W x H [mm]	360 x 500	500 x 500	360 x 500	500 x 500	360 x 500	360 x 800	500 x 800	360 x 800	500 x 800	360 x 800
Diameter [mm]	60	60	60	60	60	60	60	60	60	60
Surface	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised
Colour	Blue	Blue	Green	Green	Red	Blue	Blue	Green	Green	Red
Design	For ground anchoring	For ground anchoring	For ground anchoring	For ground anchoring	For ground anchoring	For setting into concrete	For setting into concrete	For setting into concrete	For setting into concrete	For setting into concrete
Order number	280-387-JB	280-388-JB	280-389-JB	280-390-JB	280-391-JB	280-393-JB	280-394-JB	280-395-JB	280-396-JB	280-397-JB



The protective bollards are also available hot dip galvanised and white coated. You can find this combination in our online shop.



Without reflective rings, for use with anchor bolts

Reflective rings red (also available in other colours), for setting in concrete

According to the Charging station regulation (LSV), operators must ensure the safe operation of charging stations, e.g. through regular inspections in accordance with BetrSichV or the Accident prevention guidelines

Height [mm]	800	800	800	800	800	1200	1200	1200	1200	1200	
Diameter [mm]	108	108	108	108	108	108	108	108	108	108	
Surface	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	Hot dip galvanised	
Colour	—	White	Blue	Green	Red	—	White	Blue	Green	Red	
Design	For ground anchoring	For ground anchoring	For ground anchoring	For ground anchoring	For ground anchoring	For setting into concrete	For setting into concrete	For setting into concrete	For setting into concrete	For setting into concrete	
Order number	280-367-JB	280-368-JB	280-369-JB	280-370-JB	280-371-JB	280-372-JB	280-373-JB	280-374-JB	280-375-JB	280-376-JB	
Accessories	Universal anchor bolt (with bolt) 10/100, 1 piece					Through-anchor (for concrete floors) 12/120, 1 piece					
Order number						233-427-JB					233-428-JB

Different shapes for application in every area

- Protection elements indicate sources of danger and prevent impact injuries
- Simple to cut with a sharp knife
- Strong adhesive $\geq 9N/25\text{ mm}$
- Protects both people and equipment in busy storage and production areas
- UV resistant, abrasion resistant warning marker in warning colours (in accordance with ASR A 1.3), Yellow / black
- In highly flexible, age resistant polyurethane foam
- Use on machinery, vehicles or roadways, inside or outdoors
- Temperature resistant from -40° C to 90° c
- Can be fitted to curved surfaces
- Fire class UL 94
- Self adhesive foam pieces for protecting large areas



Various forms for every area of application



Example of application



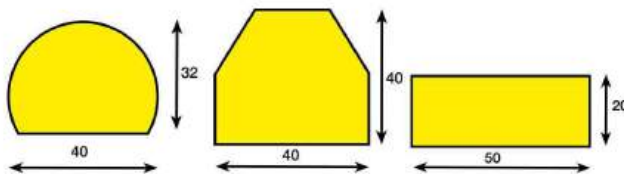
Impact protection for production



Impact protection

Foam pieces for protecting large areas

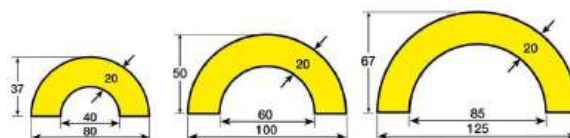
Option: magnetic version (instead of self-adhesive, only available with 1000 mm length)



Model	C	Cc	D
Design	Self adhesive		
Order number 1000 mm	173-027-JB	173-028-JB	173-028-JB
Order number 5000 mm	173-040-JB	173-039-JB	173-041-JB

Model	C	Cc	D
Design	Magnetic		
Order number 1000 mm	194-890-JB	194-889-JB	194-891-JB

(L 1000 mm: Pack = 1 pce
L 5000 mm: Pack = 1 Roll)



Model	R 30	R 50	Hoop 135
Design	Self adhesive		
Order number 1000 mm	173-037-JB	173-038-JB	129-668-JB

Model	R 30	R 50	Hoop 135
Design	Magnetic		
Order number 1000	194-896-JB	194-897-JB	194-888-JB



Safe working conditions with profile protection

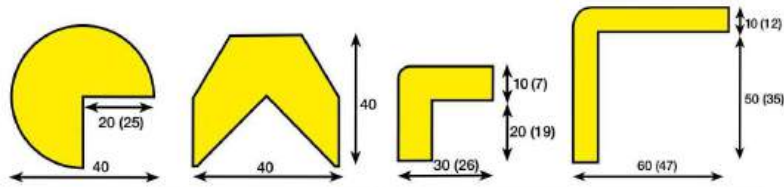


Quick, simple assembly

Impact protection

Pieces with cutouts for easy assembly onto profiles or edges

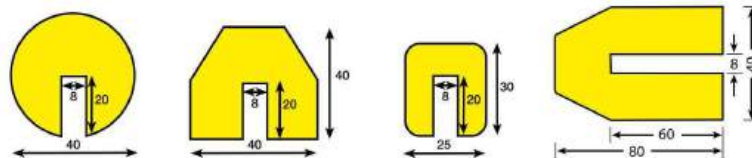
Option: magnetic version (instead of self-adhesive, only available with 1000 mm length)



Model	A	Aa	E	H
Design	Self adhesive			
Order number 1000 mm	173-034-JB	173-033-JB	173-035-JB	173-036-JB
Order number 5000 mm	173-047-JB	173-046-JB	173-048-JB	173-049-JB

Measurements in brackets are for length (L) 5000 mm

Model	A	Aa	E	H
Design	Magnetic			
Order number 1000 mm	194-893-JB	194-892-JB	194-894-JB	194-895-JB



Model	B	Bb	G	Trapez 40.80
Design	To clip-on			
Order number 1000 mm	173-031-JB	173-030-JB	173-032-JB	129-666-JB
Order number 5000 mm	173-044-JB	173-043-JB	173-045-JB	-



Barriers and spacers



Model K 400

- For internal and external usage
- Aluminium posts with integrated, retractable webbing belts (max. Length 3000 mm)
- Each post can be freely positioned and can take 3 belts
- The robust plastic base can be filled with sand or gravel. It can also be anchored to the floor using an integrated dowel anchor
- Total weight: 3 kg (empty), 13 kg (full)
- Height: 985 mm, belt width 50 mm
- Base Ø 330 mm, belt post Ø 60 mm
- Post colour red or yellow



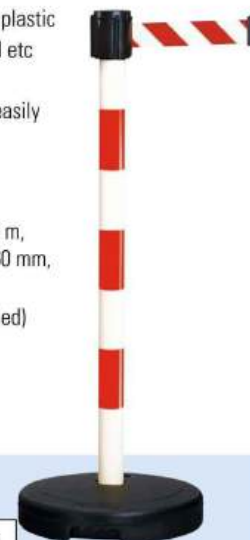
Colour of belt	Yellow / black	Yellow	Red / white	Red
Colour of posts	Yellow	Yellow	Red	Red
Order number	157-645-JB	157-646-JB	157-647-JB	157-648-JB

Order no. 157-647-JB



Tape barrier systems Model Basic

- Functional, stable tape barrier systems in plastic
- Plastic foot can be filled with sand, gravel etc
- Quick assembly and disassembly
- Space saving storage: upper part can be easily separated from the base plate
- Belt rewinds in a controlled manner
- Can be used indoors and outdoors
- Dimensions: height 950 mm, belt length 3 m, belt width 50 mm, base plate diameter 360 mm, belt post diameter 50 mm
- Weighs only 1.8 kg (approx. 9 kg when filled)



Colour of belt	Red / white	Yellow / black
Colour of posts	Red / white	Yellow / black
Order number	240-911-JB	240-910-JB

Order no. 240-911-JB

Model WK 230

Ideal for erecting barriers without posts

- Wall holder, ready for easy wall mounting, includes mounting materials
- With 3 meter webbing belt, belt width 50 mm



Model WK 230 with black / yellow belt

Order no. 157-639-JB

Colour	Yellow / black	Red / white	Black / red / black	Black / silver / black
Order number	157-639-JB	157-640-JB	157-641-JB	157-642-JB

Belt connector

Replaces a post to connect 2 belts together to extend the barrier to 6 M



Order no. 157-643-JB

Wall clip

Clip to hold the opposite end of barrier belts that are connected to a wall holder or a post



Order no. 157-873-JB



Traffic tape barrier system

- Visually attractive and decorative marking and blocking of routes
- Helps mark out permitted routes and block off other areas
- Each post can be freely positioned and can take 3 belts
- High quality, automatic roller mechanism
- Can be used indoors and outdoors
- Various colours for posts and belts are available
- Belt widths 50 or 100 mm, extended length up to 9 metres
- Very stable



- Belt width: 50 mm
- Extended belt length 9 M
- Post and base plate in metal, black
- Height 1000 mm, diameter of base plate 350 mm

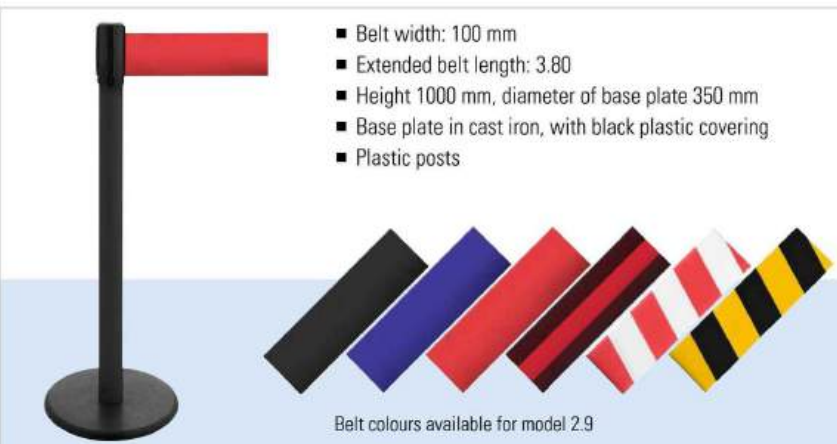
Model	8.5	8.5
Colour of belt	Yellow / black	Red / white
Colour of posts	Black	Black
Order number	241-380-JB	241-382-JB

- Belt width: 100 mm
- Extended belt length 3.80 M
- Height 1000 mm, diameter of base plate 410 mm, posts and base plate can be separated
- Base plate composite material, 100% recycled
- Plastic posts

Model	2.6	2.6
Colour of belt	Yellow / black	Red / white
Colour of posts	Yellow	Red
Order number	241-383-JB	241-384-JB



Ideal for securing large areas



Belt colours available for model 2.9

- Belt width: 100 mm
- Extended belt length: 3.80
- Height 1000 mm, diameter of base plate 350 mm
- Base plate in cast iron, with black plastic covering
- Plastic posts

ORDER AT THE SAME TIME

Wall clip for belt width 50 mm

Order no. 241-397-JB

Wall clip for belt width 100 mm

Order no. 241-398-JB

DIN A4 portrait format sign holder, for models 2.6 And 2.9

Order no. 241-399-JB

DIN A 4 portrait format sign holder, can be used for model 8.5

Order no. 241-400-JB

Model	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Colour of belt	Yellow / black	Red / white	Yellow / black	Black	Red	Blue	Black / red	Black / red
Colour of posts	Yellow	Black	Black	Black	Black	Black	Black	Red
Order number	241-386-JB	241-387-JB	241-389-JB	241-390-JB	241-391-JB	241-394-JB	241-396-JB	241-963-JB

Barrier posts

For safeguarding building sites, for example, for keeping through roads clear or for reserving car parking space or other such areas

Recycled plastic post, square, 140 x 140 mm

Bollard in recycled plastic for setting in concrete

- Recycled plastic post square, 140 x 140 mm, with 2 milled holes, 15 mm wide and 2 reflective bands, top red, bottom white
- Incl. mounting anchors
- For bordering or blocking green areas, paths and other structures



Order no. 280-697-JB

Barrier posts

- Hot dip galvanised and painted
- With floor plate for setting in concrete
- Folding steel barrier post
- For keeping through roads clear or for reserving car parking or storage spaces
- With triangle or cylinder lock



ORDER AT THE SAME TIME

Triangular key for fire brigade

Order no. 236-891-JB



Design

Order number Red / white
External dimensions W x D x H [mm]

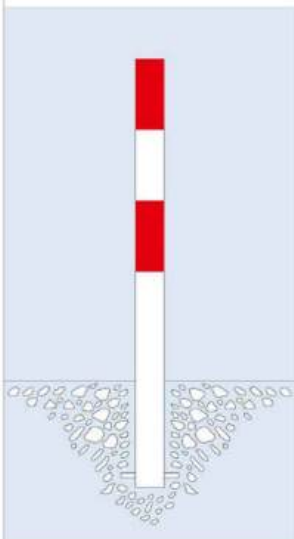
Round cylinder lock

236-883-JB
70 x 70 x 1000

Triangular lock

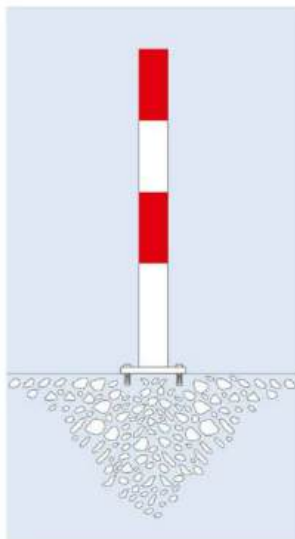
236-884-JB
70 x 70 x 1000

For setting into concrete



Barrier posts to set in concrete, 1330 mm high above ground and 330 mm underground

With welded floor plate for securing with screws



The version for anchor bolts uses a base plate (160 x 140 x 10 mm) for anchoring the barrier post. Height 1000 mm



Steel barrier posts (red white) for marking traffic routes, pedestrian routes, parking bays etc

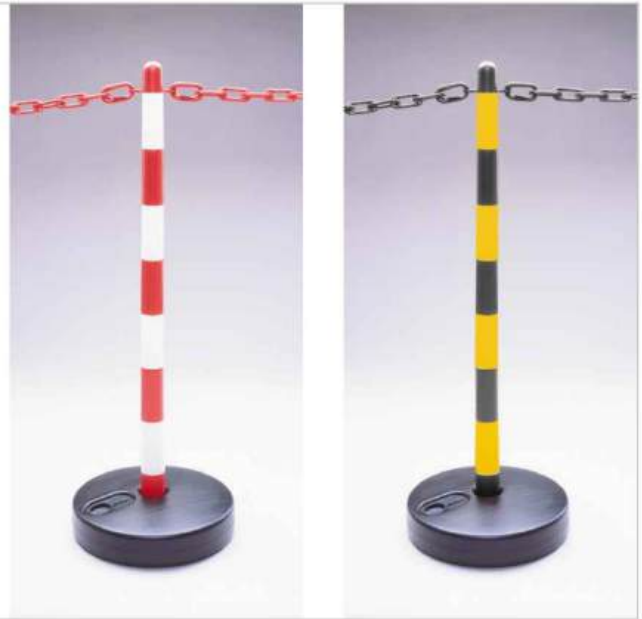
Design	For setting into concrete	For setting into concrete	For setting into concrete	For ground anchoring	For ground anchoring	For ground anchoring
Features	Without chain loops	1 chain loop	2 chain loops	Without chain loops	1 chain loop	2 chain loops
Surface	hot-dip galvanised / painted	hot-dip galvanised / painted	hot-dip galvanised / painted	hot-dip galvanised / painted	hot-dip galvanised / painted	hot-dip galvanised / painted
Order number Diameter [mm]: 60	236-885-JB	236-886-JB	236-887-JB	236-888-JB	236-889-JB	236-890-JB
Order number Diameter [mm]: 76	248-369-JB	248-370-JB	248-371-JB	248-372-JB	248-373-JB	248-374-JB



Chain barrier posts with foot

- Can be used indoors or temporarily outdoors
- High visibility
- Mobile, stable plastic construction for moving to different locations
- In addition the foot can be filled with water or sand
- With plastic cap and 4 integral chain holders
- Size excluding foot H x Ø (mm): 870 x 40
- Size of foot Ø (mm): 300

Features	With plastic cap and 4 integral chain holders
Height [mm]	870
Order number Red / white	236-875-JB
Order number Yellow / black	236-877-JB



Heavy chain stands with base plate

The barriers are very sturdy and can be used in a flexible manner. The base trays can be filled on site with water, gravel etc.

- Sturdy, long lasting and stable
- For permanent and temporary barriers
- Available in red/white or yellow/black
- Tray posts: plastic coated, screwed, with two rings for inserting a chain: Dimensions: Ø 60 mm, 1000 mm high, tray size 300 x 300 mm
- Recycled base posts: hot dip galvanised and painted, with ring cap for pulling through a chain (Ø 6 mm). Ø 60 mm, 1000 mm high. Recycled base dimensions: Ø 450 mm
- Dimensions: 60 mm Ø, 1000 mm high



Ring cap for threading chain through



Version - foot	Base tray with handle, sheet steel	Base tray without handle, sheet steel	Round recycled plastic, 15 kg
Equipment - barrier posts	2 chain loops	2 chain loops	Ring CAP
Order number Red / white	180-251-JB	180-252-JB	180-253-JB
Order number Yellow / black	236-896-JB	236-897-JB	236-898-JB

Barrier chains

Available in different combinations of colours, choice of synthetic material or hot-dip galvanized steel

	1	2	3	4	5
Chain link diameter [mm]	6	8	6	6	6
Roll goods length [mm]	10000	25000	15000	30000	
Material	Plastic	Plastic	Steel	Steel	
Surface	-	-	hot dip galvanised / plastic coated	Hot dip galvanised	
Order number Yellow / black	236-899-JB	-	-	-	
Order number Red / white	236-900-JB	236-901-JB	236-902-JB	-	
Order number Silver	-	-	-	236-904-JB	





Plastic barrier

For marking off work sites, roads and spaces. Ideal for events, guiding and separating foot traffic

- In high-quality UV resistant PE
- In bright orange warning colour with red/white reflective stripes. Highly visible, day and night
- Wide base for stability. On the pedestrian side the base is smaller to prevent tripping.
- Low weight ensures easy transport. Base can be turned to the side.
- Limitless hook and eye mounting system

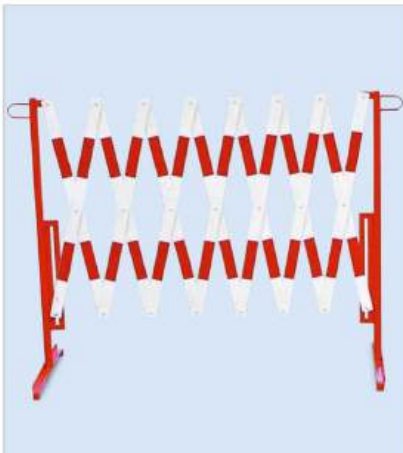
Order no. 240-915-JB



Manhole barrier

- Barrier to provide a warning for open drains
- For securing access points and potential danger areas
- Signs can be fixed onto all sides of the barrier
- Several drain barriers can be joined together, 2 barriers can protect an area of approx. 4 m², for example
- Sturdy steel tube design with red reflex stripes
- Dimensions (L x W x H) 1000 x 1000 x 900 mm
- Weight: 14 kg

Order no. 116-538-JB



Expanding barrier

- Can be installed quickly in front of potential hazards
- Warning barriers that can be installed quickly in front of dangerous areas
- Ideal for construction sites, reserving parking places, marking roadways or blocking off access points
- Extends to 3.6 M
- Manufactured from steel with red reflex stripes
- Complete with 2 feet
- Height: 1000 mm
- Total weight: 14 kg

Order no. 123-588-JB



Example of application

Expanding barrier

Expanding barrier, stepless expansion. Each half of the case also forms a foot to support the barrier.

- Adjustable, expanding barrier for quick, effective protection of danger areas
- Each half of the case forms the feet to support the barrier
- The transport case halves can be filled with sand or water, to further increase stability
- Sturdy design manufactured from polyethylene with UV stabilisation
- Max. Width: 2300 mm
- Height: 1060 mm
- Weight: 7 kg

Order no. 145-513-JB



Reflective flexible post

- Universal reflective cone e.g. for carparks, parking areas or as lane dividers
- Highly visible, day and night
- For indoor and outdoor use
- A bayonet connection connects the cylinder with the sturdy rubber foot
- Neither cone nor vehicle are damaged if driven over
- Fully reflective cone in PE
- Dimensions: base Ø 270 mm, cylinder Ø 100 mm

Height [mm]	460	760	1000
Features	2 white rings	2 white rings	2 white rings
Order number	236-892-JB	236-894-JB	236-895-JB



Comeback cylinder

- Bends 360°, self-righting
- Signal red with reflex stripes
- Universal reflective cone e.g. for carparks, parking areas or as lane dividers
- Highly visible, day and night
- For indoor and outdoor use
- High resistance to wear
- One piece red cone with integral foot for use with anchor bolts
- Composite thermoplastic polyurethane material
- Dimensions: base Ø 200 mm, cylinder Ø 80 mm

Height [mm]	460	760	1000
Features	2 white rings	3 white rings	4 white rings
Order number	240-902-JB	240-903-JB	240-904-JB



Height limiter, reflective, red/white, incl. bracket

Secures driveways, subways and superstructures with limited clearance height without damaging vehicles

- Height limiter in lightweight construction, secures driveways, subways and superstructures without damaging vehicles
- Round cylinder in plastic (PE), red-white reflective, black side edgings
- No edges
- Suspension by two knotted chains, galvanised, each 2 m long. Chain end with steel ring for hanging (ceiling hooks on site)

Dimensions Ø x H [mm]	100 x 950	100 x 950
Colour	Red / white	Yellow / black
Order number	271-666-JB	271-667-JB



Fold down barrier

- Hoop barrier for securing parking spaces, roads or entrances against unauthorised use
- Sturdy design manufactured from hot dip galvanized steel
- When flat, the highest part of the barrier is 68 mm, so it can be driven over easily
- With cylinder lock (includes 2 keys)
- Stand 70 x 50 mm
- Dimensions: W x H (mm) 780 x 570, when assembled



Hoop barrier for concreting in

Order no. 236-882-JB

Hoop barrier for anchor bolts

Order no. 236-879-JB

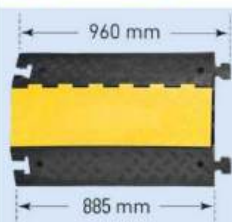


Cable bridge, W 885 mm, with 3 cable ducts for up to 12 t axle load

Suitable for lorry and forklift & heavy goods vehicle traffic



- Recommended drive-over speed 5 km/h
- Good load bearing capacity with special hard rubber compound (recycled hard rubber)
- Warning yellow cover in high quality plastic with anti-slip surface
- 3 cable ducts (W x H): 2 ducts, 68 x 50 mm and 1 duct 55 x 50 mm
- Drive-over height 75 mm
- Permanent mounting using integral anchor bolts is possible
- For easy driving over and protection of cables and hoses
- No limit to number of sections which can be joined together, net width when combined 885 mm



Model	12	12 WL	12 WR	Ez	EN
External dimensions W x D x H [mm]	885 x 600 x 75	500 x 600 x 75	500 x 600 x 75	283 x 600 x 75	283 x 600 x 75
Design	Cable bridge with 3 cable ducts Model 12	Left hand angle section	Right hand angle section	End section - tongue	End section - groove
Order number	248-348-JB	248-349-JB	248-350-JB	248-351-JB	248-352-JB

Kerb ramp in hard rubber, black, reflective yellow

- Kerb ramp in sturdy hard rubber
- Barrier-free access to footpaths and paved areas
- Optimum safety with yellow reflective stripes and profiled anti-slip surface. Rainwater flows away through the holes on the sides. May also be used as a cable duct.
- Loading up to 40 t



Model	100	150
External dimensions W x D x H [mm]	600 x 300 x 100	600 x 360 x 150
Order number	248-346-JB	248-347-JB

Roll-up cable bridge, 10 m, 1 cable / hose duct Ø 20 mm

- Space saving, can be cut to size
- Suitable for lorry and forklift traffic
- Recommended drive-over speed: 5 to 20 km/h
- Drive-over height only 30 mm, roll length: 10,000 mm, depth 100 mm
- Flexible, strong rubber compound with profiled surface making it easy to travel over
- For easy driving over and protection of cables and hoses

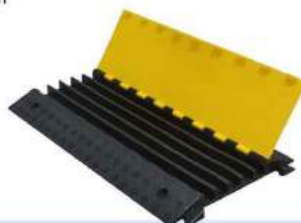


Model	10
External dimensions W x D x H [mm]	10000 x 100 x 30
Order number	248-354-JB

Cable bridge with 5 cable ducts, for up to 8 t axle load, Model 8

For easy driving over and protection of cables and hoses

- In special, vulcanised hard rubber compound (recycled rubber)
- No limit to number of sections which can be joined together, net width when combined: 900 mm
- 5 cable ducts (W x H): 36 x 34 mm
- Incl. protective lid and handle
- Suitable for car and lorry traffic. Avoid heavy goods vehicle traffic
- Recommended drive-over speed: 5 to 10 km/h



Model	8
External dimensions W x D x H [mm]	900 x 590 x 50
Order number	248-353-JB

Small cable bridge, recycled rubber, with 3 cable ducts

For easy driving over and protection of cables and hoses

- 3 cable ducts, 2 x 20 mm and 1 x 45 mm
- Anti-slip rubber lips on the bottom, grippy top surface
- Suitable for lorry and forklift traffic. Also suitable for occasional heavy goods traffic
- Recommended drive-over speed: 5 to 10 km/h

INNOVATION



Order no. 248-345-JB

Model	G3	S3
Colour	Yellow	Black
External dimensions W x D x H [mm]	1200 x 210 x 65	1200 x 210 x 65
Order number	248-344-JB	248-345-JB

Speed ramps

Speed ramps are available in 2 different designs. They ensure that the designated speed limit is adhered to.

- Greater safety
- Suitable for use with cars, lorries or fork lift trucks
- Sturdy design, manufactured from a special plastic / rubber mixture
- Rounded ends protect pedestrians and cyclists
- 25 mounting bolts are optionally available as accessories



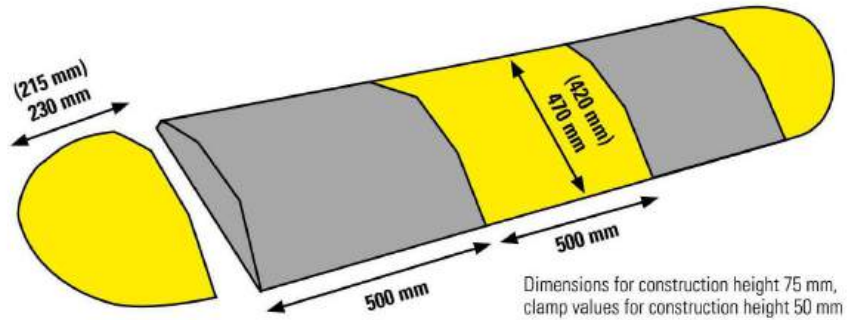
Speed ramp, yellow-black, available in 2 different sizes

ORDER AT THE SAME TIME



10 mounting bolts,
4 bolts are needed for a centre section,
2 bolts for an end section

Order no. 165-406-JB



Dimensions for construction height 75 mm,
clamp values for construction height 50 mm

Item explanation	Up to 10 km/H	Up to 10 km/H	Up to 20 km/H	Up to 20 km/H
Model	Middle section	End piece	Middle section	End piece
External dimensions W x D x H [mm]	500 x 470 x 75	230 x 470 x 75	500 x 420 x 50	215 x 420 x 50
Weight [kg]	15	5	8	3
Order number Yellow	165-397-JB	165-400-JB	165-402-JB	165-404-JB
Order number Black	165-398-JB	165-401-JB	165-403-JB	165-405-JB

Hose ramps

- Ensure that cables and hoses can be driven over safely
- Protects them from damage
- Sturdy design, manufactured from special rip resistant rubber
- The joining sections attached at the side enable attachment of a hose bridge combination to cover a larger surface



For hoses / tubes up to	Diameter: 120 mm	Diameter: 75 mm
External dimensions W x D x H [mm]	290 x 1010 x 135	300 x 855 x 85
Weight [kg]	22	12
Order number	165-395-JB	236-878-JB



Industrial safety mirrors

- For observing hazardous areas
- Ideal for production and storage areas
- Manufactured from shock proof perspex
- Yellow plastic frame with black warning stripes according to ASR A 1.3 (DIN 4844)
- Ready for use (mounting integrated in frame, type 76 clamps)
- For indoor and sheltered outdoor use

ORDER AT THE SAME TIME

Support arm

- The mirror can be mounted on the wall vertically or horizontally
- Dimensions (W x D x H (mm)): 75 x 270 x 190



Order no. 165-541-JB

Model	G 1	G 2	G 3
Mirror shape	Square	Square	Square
External dimensions W x H [mm]	600 x 400	800 x 600	1000 x 800
Observer distance [m]	5	10	15
Order number	165-536-JB	165-537-JB	165-538-JB



ABS plastic mirror case. Can therefore be used indoors and outdoors if shielded from the wind.

Round mirror with magnetic mount

- Round acrylic glass mirror, with strong magnetic base
- For attaching to flat, smooth steel surfaces
- Impact-resistant mirror with excellent reflective quality
- Wide angle effect for observing larger areas
- Incl. Swan neck mount (200 mm) for adjusting angle of view as required

Model	300	450	600
External diameter [mm]	300	450	600
Observer distance [m]	3	5	7
Order number	207-516-JB	207-517-JB	240-908-JB



Observation mirror

- Brilliant reflection
- For monitoring production processes, traffic safety and traffic control
- Impact and shock resistant with SEKURIT safety glass. The glass can be replaced if breakage (shattering) has occurred
- Weather and UV-resistant, white plastic frame. Reflecting red surfaces
- The bracket allows the mirror to be fixed in any position. The clamp has a diameter of 76 mm

Model	S4	S6	S8
External dimensions W x H [mm]	600 x 400	800 x 600	1000 x 800
Max observation distance [m]	6	12	18
Order number	271-599-JB	271-600-JB	271-601-JB



Detective's observation mirror

- Impact resistant and feather light
- Wide angle effect: recommended for short observer distances and moderate to large field of observation
- Acrylic glass monitoring and observation mirror
- For indoor use
- Ideal for areas with foot traffic
- Distance from wall for standard design: approx 250 mm, with optional extended wall arm 550 Mm
- Includes holder, for mounting on flat surfaces

Model	400	500	600	800
External diameter [mm]	400	500	600	800
Observer distance [m]	3	5	7	11
Order number	207-508-JB	207-509-JB	207-510-JB	207-512-JB

Available with an extended wall bracket, approx. 550 mm.

Order no. 207-515-JB

The Detective observation mirrors can be attached to virtually any flat surface (walls, supports) with the mounting supplied. The mirrors can be easily adjusted to observe any point required.



Traffic mirror

- Acrylic glass traffic mirror, high quality
- For indoor and outdoor use
- With curved mirror surface
- Housing is weather resistant and UV resistant
- Mounting clips (Ø 76 mm) are included
- For observing hazardous areas

Model	VS 1	VS 2	VS 3
External dimensions W x H [mm]	600 x 400	800 x 600	1000 x 800
Min observation distance [m]	5	10	15
Order number	129-681-JB	129-682-JB	129-683-JB



ORDER AT THE SAME TIME

Tubular post, hot-dip galvanised, for mirror type VS, height 3000, Ø 76 mm

Order no. 129-669-JB

Tubular post, hot-dip galvanised, for mirror type VS, height 4000, Ø 76 mm

Order no. 129-670-JB

Support arm for mirror Model VS, distance from wall approx. 500 mm

Order no. 129-671-JB

Wide angled traffic mirrors for indoor and outdoor use

- For observing hazardous areas
- Ideal for checking entrances
- Round mirror in special impact resistant plastic
- With wall mounting (250 mm)

Model	SR 400	SR 600	SR 800
External diameter [mm]	400	600	800
Observer distance [m]	3	7	11
Order number	129-673-JB	129-675-JB	129-677-JB



Panoramic traffic mirror

- Ideal for use to enhance safety when using warehouse vehicles
- Traffic mirror manufactured from perspex

ORDER AT THE SAME TIME

Set of chains for model PS 360, to suspend mirror from the roof 4 metre length

Order no. 129-684-JB



Panoramic mirror model PS 360 for ceiling mounting. (Chain set available as an option)



Model	PS 180-6	PS 180-9	PS 360-6	PS 360-9	PS 360-13
Design	Wall-mounted	Wall-mounted	Ceiling-mounted	Ceiling-mounted	Ceiling-mounted
Feature - mirrors	Three way mirror, 180°	Three way mirror, 180°	Four way mirror, 360°	Four way mirror, 360°	Four way mirror, 360°
External dimensions W x D x H [mm]	600 x 240 x 320	900 x 250 x 450	–	–	–
External diameter [mm]	–	–	600	900	1250
Min observation distance [m]	5	7	3	5	8
Order number	129-685-JB	129-688-JB	129-689-JB	129-690-JB	129-692-JB

Outdoor marking paint

- High abrasion resistance
- Excellent adhesion
- Use: 5 L container for approx. 25 m² for one coat coverage
- High quality, single component marking paint
- Adheres to concrete, screed, asphalt and interlocking paving stones
- Quick drying, high coverage
- Weather resistant, long lasting
- Highly resistant to oil
- Specially for operational and indoor marking of surfaces and lines
- Silicone free



Colour	White	Yellow	Red	Blue	Grey
Approximately equivalent to	RAL 9016	RAL 1023	RAL 3020	RAL 5017	RAL 7043
Order number	233-413-JB	233-414-JB	233-415-JB	233-416-JB	233-417-JB

2K floor marking paint

- Suitable for forklifts
- Highly resistant and long lasting
- Use: 5 L container (3.9 L paint +1.1 L hardener) for approx. 20-25 m² for one coat coverage
- Solvent free
- Water based two component paint
- For heavily trafficked industrial flooring, indoors
- Adheres to concrete, coated floors, asphalt, screed, interlocking paving stones and porous floor tiles
- Dirt-repellent, easy to clean
- For use as a solvent free colourless primer we recommend 2K impregnating primer, item no. 235873
- Silicone free



Impregnating primer, solvent free and colourless

- Solvent free, colourless primer
- For pre-treating mineral and highly absorbent substrates
- Improves adhesion and neutralises contamination
- Use approx. 4.5 L for approx. 40 m²

Contents	4.5 L for approx. 40 m ²
Order number	235-873-JB

Colour	White	Yellow	Silver grey	Stone grey	Blue
Approximately equivalent to	RAL 9016	RAL 1003	RAL 7001	RAL 7030	RAL 5017
Order number	233-408-JB	233-409-JB	233-411-JB	233-412-JB	233-410-JB



Floor marking paint

- High coverage, quick drying
- Abrasion resistant and chemical resistant
- Use: 5 L container for approx. 20 - 25 m² for one coat coverage
- Single component paint for indoor use
- Highly resistant to oil, solvents and cleaning agents
- Suitable for forklifts
- Highly resistant and long lasting
- For heavy traffic industrial and workshop floors, storage and sales rooms
- Silicone free
- Adheres to concrete, asphalt, screed, interlocking paving stones and porous floor tiles



Colour	White	Yellow	Red	Metallic grey	Stone grey	Blue
Approximately equivalent to	RAL 9016	RAL 1003	RAL 3001	RAL 7001	RAL 7030	RAL 5017
Order number	180-209-JB	180-210-JB	180-212-JB	180-207-JB	180-208-JB	180-213-JB

Antislip floor marking paint

- Slip prevention R 10 (DIN 51130/bgr 181)
- High coverage, quick drying
- Use: 5 L container for approx. 20 m² for one coat coverage
- Quartz granules give surface grip
- Resistant and durable
- Single component paint for indoor use
- Adheres to concrete, asphalt, screed
- Highly resistant to oil, solvents and cleaning agents
- Suitable for forklifts
- Silicone free



Colour	White	Yellow	Blue	Silver grey	Stone grey
Approximately equivalent to	RAL 9016	RAL 1003	RAL 5017	RAL 7001	RAL 7030
Order number	233-402-JB	233-403-JB	233-404-JB	233-405-JB	233-407-JB



Floor marking equipment



- Offers a simple and cost effective way to mark out fire escapes, dangerous areas, areas designated for vehicles and transport, storage areas, entries and exits
- For indoor flooring, ensures that vehicle areas and other designated areas can be marked out accurately, cleanly and economically
- Ergonomic, sturdy, free standing equipment for marking the floor with floor marking tape
- A knife is included, floor marking tapes are available separately
- Suitable for rolls that are 50 and 75 mm wide

Marking tape equipment
(without floor marking tapes)

Order no. 137-114-JB

Floor marking tape

The vinyl floor marking tape can be removed from most floors without leaving a mark. It is ideal for short to medium term use and long term use in areas where it will not be walked on / driven over regularly.

- For indoor flooring
- Temperature resistant to 80° C
- Length of tape 33 m
- Supplied in packs containing 2 or 6 rolls (pack = 2 rolls)
- Rolls are available in 2 different widths: 50 and 75 mm



Floor marking tapes in 8 different colour combinations and 2 Roll widths

Colour	White	Yellow	Blue	Red	Green	Orange	Yellow / black	Red / white
Order number Width [mm]: 50	137-132-JB	137-133-JB	137-134-JB	137-135-JB	137-136-JB	137-137-JB	157-694-JB	157-695-JB
Order number Width [mm]: 75	137-138-JB	137-139-JB	137-140-JB	137-141-JB	137-142-JB	137-143-JB	152-341-JB	157-696-JB



Mobile marking unit, for one or two cans of Proline marking paint

Simple, precise, durable marking of roads, parking areas, storage areas or hazardous areas, etc. and more. Maintenance free, simple operation. No need to clean after changing the colour. Paint cans are not included.

- Available in two sizes: Model 50 for line widths of 50 to 75 mm Model 100 for line widths of 100 to 130 mm

2 tools in 1!

The mobile floor marking equipment can be quickly and easily turned from a 4 wheel marker (designed for marking long lines) into a 2 wheel marker for marking a thick straight line in front of walls, shelves, machinery etc. Simple adjustment of the line width using the adjuster



Mobile marking device, Model 50 for 1 can marking paint



Application example as a 2 wheel device



Mobile marking device, Model 100 for 2 can marking paint.

Order no. 137-164-JB

Mobile marking device, Model 50 for 1 can marking paint

Order no. 137-163-JB

Template set

In heavy duty plastic, contains all the letters of the alphabet and the numbers 0 to 9, available in 2 heights: 150 or 300 mm



Model	Template set 150 mm	Template set 300 mm
Order number	137-177-JB	137-178-JB

Equipment for marking lines by hand

Manual marking equipment, especially suited to marking with templates. The 2 handed operation ensures the manual marking equipment produces accurate results. (paint can is not supplied as standard)



Order no. 137-165-JB

Proline marking paint

Abrasion resistant and chemical resistant

- Manual spray button for quicker marking
- Available as large cans (750 ml) or as individual cans or as a pack of 6 cans
- 50 to 90 m of lines 50 mm wide can be marked, depending on the surface being marked
- Quick drying - can be walked on after just a few minutes
- Adheres to practically any floor surface e.g. concrete, asphalt, tar, metal or tiles....
- Available in a range of colours including grey and black to cover up existing lines

Colour	White	Yellow	Orange	Red	Green	Blue	Grey	Black
Order number	137-169-JB	137-170-JB	147-028-JB	137-172-JB	137-173-JB	137-174-JB	137-175-JB	137-176-JB





60 grit aluminium oxide

m2-anti-slip tape™ Universal

The universal tape for almost any surface. Excellent suitability for anti-slip marking in workshops, production halls or warehouses. Available in rolls of different widths.

- Permanent adhesion thanks to acrylic adhesive layer, self-adhesive reverse side with peel-off foil to protect the adhesive layer
- Can be used on almost all substrates, concrete or wood recommended. Cannot be used on asphalt
- High abrasion resistance (approx. 1 million steps)
- UV stable, tear-proof and can be driven over by a forklift, easy to clean
- Can be stepped on immediately, can be loaded 6-8 hours after application, maximum adhesion after 72 hours
- Suitable for indoors and outdoors, for medium to high loads
- Firm adhesion to smooth, damp or oily/greasy surfaces

Anti-slip surface with aluminium oxide grit, excellent slip resistance R 13, DGV Rule 108-003 (previously BGR 181). For the quick removal and marking out of hazardous areas

Colour	Black	Grey	Yellow	Blue	Red	Transparent
Order number Roll width 19 mm*	263-629-JB	263-709-JB	263-658-JB	263-733-JB	263-757-JB	263-682-JB
Order number Roll width 25 mm*	263-631-JB	263-711-JB	263-660-JB	263-734-JB	263-759-JB	263-684-JB
Order number Roll width 50 mm*	263-633-JB	263-713-JB	263-662-JB	263-736-JB	263-761-JB	263-686-JB
Order number Roll width 75 mm*	263-635-JB	263-715-JB	263-664-JB	263-738-JB	263-763-JB	263-688-JB
Order number Roll width 100 mm*	263-637-JB	263-717-JB	263-666-JB	263-741-JB	263-765-JB	263-691-JB
Order number Roll width 150 mm*	263-639-JB	263-719-JB	263-668-JB	263-743-JB	263-767-JB	263-693-JB

*each 1 roll, 18.3 m



60 grit aluminium oxide

m2-anti-slip tape™ warning symbols

Marking of hazardous areas and anti-slip function in a single product.

- Prevention of slip accidents and the resulting costs. Ideal for entrances and passageways, pavements, stairs, ascents or ramps for example
- Anti-slip floor marking for workshops, production rooms, warehouses and more
- Warning of long-term, temporary or special hazardous areas
- Integral product (not laminated)
- Permanent adhesion thanks to acrylic adhesive layer, self-adhesive reverse side with peel-off foil to protect the adhesive layer
- Can be used on almost all substrates, concrete or wood recommended. Cannot be used on asphalt
- UV stable, tear-proof and can be driven over by a forklift, easy to clean

Colour	Yellow / black	Red / white
Order number Roll width 25 mm*	263-909-JB	263-933-JB
Order number Roll width 50 mm*	263-911-JB	263-935-JB
Order number Roll width 75 mm*	263-913-JB	263-937-JB
Order number Roll width 100 mm*	263-915-JB	263-939-JB
Order number Roll width 150 mm*	263-917-JB	263-940-JB

*each 1 roll, 18.3 m



Large floor marking symbols

With clear, long lasting print and anti-slip surface (60 grit). Available with warning symbols (triangle with side length 600 mm) and prohibition/mandatory symbols (circle with diameter 400 mm)

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Warning - forklifts



Prohibition - pedestrians



Mandatory - pedestrians

Colour	Yellow / black	Red / white	Blue / white
Order number	264-070-JB	264-075-JB	264-083-JB

m2 anti-slip tape™ Public 46

- High abrasion resistance (approx. 1 million steps)
- Long lasting warning
- Prevention of slip accidents and the resulting costs. Ideal for entrances and passageways, pavements, stairs, ascents or ramps for example
- Permanent adhesion thanks to acrylic adhesive layer, self-adhesive reverse side with peel-off foil to protect the adhesive layer
- Can be used on almost all substrates, concrete or wood recommended. Cannot be used on asphalt
- UV stable, tear-proof and can be driven over by a forklift, easy to clean
- Anti-slip floor marking for workshops, production rooms, warehouses and more



46 grit aluminium oxide

Colour	Yellow
Order number Roll width 25 mm*	264-257-JB
Order number Roll width 50 mm*	264-258-JB
Order number Roll width 100 mm*	264-259-JB
Order number Roll width 150 mm*	264-260-JB
*each 1 roll, 18.3 m	

m2-anti-slip tape™ deformable

The flexible aluminium backing moulds well to the shape of the substrate, for example ripple plate, corrugated sheet and stud plate.

- Prevention of slip accidents and the resulting costs. Ideal for entrances and passageways, pavements, stairs, ascents or ramps for example
- Anti-slip floor marking for workshops, production rooms, warehouses and more
- Also suitable for edgings



60 grit aluminium oxide



Colour	Black	Yellow	Yellow / black
Order number Roll width 25 mm*	264-194-JB	264-212-JB	264-223-JB
Order number Roll width 50 mm*	264-196-JB	264-213-JB	264-224-JB
Order number Roll width 100 mm*	264-198-JB	264-214-JB	264-225-JB
Order number Roll width 150 mm*	-	264-215-JB	264-226-JB
*each 1 roll, 18.3 m			

Securing industrial equipment in accordance with the works safety regulations

EC directive 89/655 sets out "minimum guidelines" for safety and health protection. Article 3 states that the employer must ensure that working equipment is provided in such a way that when used, the safety and protection of the health of the employee is guaranteed. Each piece of working equipment must be provided with clearly visible devices so that it can be shut off from each individual source of energy.

- Safe working during maintenance, cleaning or repair work
- Prevents injury or damage to property
- Clear, visible indication of locking/blocking



Gate valve lockout/tagout systems

- Suitable for handwheels with diameter of 25 to 320 mm
- Long lasting polypropylene
- Resistant to temperature variations between -40° and 150° C
- Available in 5 sizes and 4 colours
- Locking system for gate valves
- For locks with a shackle diameter of max. 6.5 mm and a shackle length of min. 38 mm

Model	Diameter 25-64 mm	Diameter 64-127 mm	Diameter 127-165 mm	Diameter 165-254 mm	Diameter 254-320 mm
Order number Red	209-715-JB	209-716-JB	209-717-JB	209-718-JB	209-719-JB
Order number Yellow	209-720-JB	209-721-JB	209-722-JB	209-723-JB	209-724-JB
Order number Green	209-725-JB	209-726-JB	209-727-JB	209-728-JB	209-729-JB
Order number Blue	209-730-JB	209-731-JB	209-732-JB	209-733-JB	209-734-JB



Adjustable locking system for valve handwheels

- Suitable for handwheels with diameter of 25 to 165 mm
- Long lasting polypropylene
- Resistant to large temperature variations between -20° and 80° C
- For locks with a shackle diameter of max. 7 mm and a shackle length of min. 20 mm

Order no. 209-714-JB



General purpose locking systems

- For locking valves, isolating switches, circuit breakers etc
- Lock several control points with one piece of equipment
- Cable is simple to tighten with the practical hand tensioner
- Grip in sturdy, impact resistant nylon, corrosion-free and chemical resistant
- Cable length 2.44 m
- Suitable for up to 4 locks with a shackle diameter of max. 7 mm and a shackle length of min. 20 mm

Model	Nylon cable (non-conductive)	Steel cable, (vinyl coated)
Order number	209-735-JB	209-736-JB



Universal valve locks - one piece of equipment for a wide range of applications

The Universal lock sets a new standard for locking technology. No other lock can be used for so many different types of valve and valve size.

- Ideal for locking ball valves and butterfly valves
- Individually adjustable hook also fits locked pipe clamps and large handles
- For locking open and closed valves
- In steel and nylon for long life and resistance to chemicals
- Suitable for locks with a shackle diameter of max. 9 mm and a shackle length of min. 20 mm



Locking butterfly valves with the Universal valve shut-off device: the hook is attached to the butterfly valve handle. The valve setting may no longer be altered.



Small valve shut-off device: lift 19 mm, large valve shut-off device: lift 32 mm



With the separately available locking post, the device may also be used to lock ball valves

Model	Small valve lock	Small blocking post	Large valve lock	Large blocking post
Order number	209-708-JB	209-710-JB	209-709-JB	209-711-JB

Maximum lever width (width of a ball valve lever or grip on a butterfly valve):
small valve shut-off device (item 209708) max 25 mm, large valve shut-off device (item 209709) max 41 mm

Locks for electrical/ pneumatic connections

- Space for an electric plug connection with a diameter of up to 89 mm and a length of 127 mm
- Also suitable for air hose connections
- Made from polystyrol
- Suitable for up to 4 locks with a shackle diameter of max. 7 mm and a shackle length of min. 20 mm



Order no. 209-739-JB

Locks for electrical socket connections

- Simple to use
- Effectively prevents unauthorised or inadvertent use of electrical equipment
- Suitable for locks with a shackle diameter of max. 7 mm and a shackle length of min. 20 mm



Model	Cable diameter max. 10 mm	Cable diameter max. 22 mm
Order number	209-741-JB	209-751-JB

Locks for industrial socket connections

- Effective protection to all industrial plug connections
- Suitable for locks with a shackle diameter of max. 7 mm and a shackle length of min. 20 mm
- Small lock: for connectors, max. 70 mm Ø, max. Length 120 mm, cable Ø max. 25 Mm
- Large lock: for connectors, max. 100 mm Ø, max. Length 250 mm, cable Ø max. 35 Mm



Model	Cable diameter up to 25 mm	Cable diameter up to 35 mm
Order number	209-742-JB	209-743-JB

Multi-lock clips

- For taking up to 6 locks, so multiple people can secure a piece of equipment
- In vinyl coated stainless steel
- Suitable for locks with a shackle diameter of max. 9.5 mm and a shackle length of min. 20 mm



Model	Ring diameter 25 mm	Ring diameter 38 mm	Ring diameter 25 mm	Ring diameter 38 mm
Colour 1	Red	Red	Yellow	Yellow
Order number	209-698-JB	209-699-JB	209-700-JB	209-701-JB

Emergency exit door handle covers

Emergency exit door handle covers are fitted over the emergency exit door handle to create a barrier. This prevents accidental use of the handle. In the event of danger, the cover may be easily removed and the handle operated. The emergency exit door handle covers are made from macrolon. They can be removed without danger of injury. The cover itself is not damaged and can be reused. Only new top plates are required.

- Saves the need for complex monitoring systems
- For securing emergency exits and exit windows
- Patented mounting system
- Can also be used with fire-rated doors
- Recommended by the fire brigade and professional associations



Emergency exit door covers models D2 and E, for securing espagnolette bolts



Emergency exit door cover Model K for securing door handles

Version	Emergency exit door cover Model D2 for bolt on normal frames	Emergency exit door covers Model E for bolt on narrow frames	Emergency exit door cover Model K for door handles
External dimensions W x D x H [mm]	80 x 72 x 361	65 x 90 x 330	215 x 100 x 99
Contents	Cover D2, with 2 green bottom plates, 6 red top plates, 1 pictogram	Cover E, with 2 green bottom plates, 6 red top plates, 1 pictogram	Cover K with 2 mounting brackets, 3 end covers, 2 green and 6 red top plates, 1 pictogram
Order number	209-403-JB	209-404-JB	209-410-JB

Accessories	Order number
Emergency exit door handle cover openers	209-405-JB
Padlock with 2 keys, keyed alike	209-406-JB
Padlock with 2 keys, keyed to differ	209-407-JB
Box lock without cylinder	209-408-JB
Box lock with profile half cylinder	209-409-JB
Sticker set for emergency exit door handle covers, special adhesive on aluminium sheet, incl. Sandpaper	209-413-JB

Single handed door guard alarm in accordance with EN 179 and EN 1125

- Saves the need for complex monitoring systems
- Cost-effective security For doors and emergency exits
- Simple, wire free fitting under the door handle
- Ready to use - delivery includes key, battery, pictogram and mounting kit
- Patented escape route security - open with one handle
- In sturdy metal housing (die cast zinc), RAL 6029 (green)
- Visual and audible barrier to misuse
- Also available with a pre-alarm as an option
- Alarm (95 dB /m) on operation

Pre-alarm



Pressing the door guard alarm silences the pre-alarm. When the handle is released, the alarm falls silent again.

Emergency exit



When the door handle is pressed down the EH door guard alarm automatically moves down and enables the emergency exit door to be used with only one handle. A permanent alarm is triggered, which can be silenced using the device key.

Single use



Authorised persons do not need to use the handle, they open the door using the key to bypass the alarm.

Permanent use



With the device key the door guard alarm can be pushed down without triggering the alarm to a permanently open position. In this position, the door can be used normally.



For door handles in accordance with EN 179



Emergency exits must be accessible at all times, but are easy to misuse. Door guard alarms offer cost-effective protection from unauthorised use and ensure reliable monitoring. All door guard alarms are supplied in green (RAL 6029).



Overview of the door guard alarm range On the left, beginning with the BASIC design without a pre-alarm, in the centre with a pre-alarm Then the version For doors with rod handles


Door guard alarm design	Door guard alarms without pre-alarm	Door guard alarms with pre-alarm	Door guard alarms without pre-alarm	Door guard alarms with pre-alarm
Use	Security For doors with handles	Security For doors with handles	Security For doors with panic bars	Security For doors with panic bars
External dimensions W x D x H [mm]	52 x 77 x 175	52 x 77 x 190	52 x 77 x 220	52 x 77 x 220
Order number	209-389-JB	209-390-JB	209-394-JB	209-395-JB

Accessories		External dimensions W x H [mm]	Order number
1	Door handle mounting plates for glass frame doors for normal door plates	170 x 175	209-391-JB
1	Door handle mounting plates for glass frame doors for long door plates	170 x 205	209-392-JB
2	Door handle mounting plate for standard and fire protection doors	52 x 175	209-393-JB
3	Elbow mounting plate for panic bars, glass frame door left, offset 30 mm	170 x 175	209-396-JB
3	Elbow mounting plate for panic bars, glass frame door right, offset 30 mm	170 x 175	209-397-JB
3	Elbow mounting plate for panic bars, glass frame door left, offset 50 mm	170 x 175	209-398-JB
3	Elbow mounting plate for panic bars, glass frame door right, offset 50 mm	170 x 175	209-399-JB
4	Spacer, 30 mm thick (for solid doors)	52 x 175	209-400-JB
4	Spacer, 50 mm thick (for solid doors)	52 x 175	209-401-JB
4	Spacer, 60 mm thick (for solid doors)	52 x 175	209-402-JB

ORDER AT THE SAME TIME


1

Mounting plate for mounting to glass frames Can be used for right or left hand doors




2

Steel mounting plate for standard and fire-rated doors Can be used for right or left hand doors




3

Elbow mounting plate with an offset of 30 or 50 mm, for mounting on glass frame doors with bar handles



4

Spacers, available in 30, 50 or 60 mm sizes, can be used when adapting the door guard alarm to a bar handle / panic bar



Key safe KEY SAFE

- For the safe storage of keys and other valuables
- Highly resistant die-cast zinc
- 4-digit individually adjustable number combinations
- 10,000 freely-settable, resettable combinations
- For wall mounting in indoor or sheltered outdoor locations (incl. mounting kit)
- 0-0-0-0 auto-stop makes opening easier in poor lighting



External dimensions W x D x H [mm]	61 x 39 x 85	83 x 46 x 135	83 x 46 x 135	105 x 55 x 145
Use	For keys up to 7 cm in length	For keys up to 12 cm in length	For keys up to 9 cm in length	For keys up to 11 cm in length
Contents	Integral key hooks	Magnetic key hooks	Number wheel protected by sliding protective flap	Number wheel protected by sliding protective flap
Order number	263-541-JB	263-542-JB	263-543-JB	263-544-JB

Sturdy cylinder lock

- Solid brass body
- Many applications, solid quality



External dimensions W x D x H [mm]	30 x 12 x 48	40 x 13 x 60	50 x 14 x 71
Clear ring height [mm]	16.00	22.00	26.00
Ring thickness [mm]	5.00	6.00	7.00
Clear ring width [mm]	14.30	20.00	25.00
Order number	248-527-JB	248-528-JB	248-529-JB

Adjustable combination padlock

- Solid brass body



Body dimensions W x D x H [mm]	30 x 16 x 75	40 x 16 x 90
Clear ring height [mm]	27.00	32.50
Ring thickness [mm]	5.00	6.50
Clear ring width [mm]	12.00	18.50
Order number	248-530-JB	248-531-JB

Cylinder padlock for exchangeable profile half cylinders

- Sea-water resistant hi-tech lock for exchangeable profile half cylinders
- Stainless steel shackle, double locking
- Lock body ready for assembly
- Suitable for almost all DIN-compliant profile half cylinders with lockable locking latch (length 10/30 mm). Quick assembly, disassembly and replacement. Cylinder does not need to be machined for assembly.
- Supplied without cylinder

Design	Double bolt	Seawater resistant, double bolt	Seawater resistant, double bolt
Body dimensions W x D x H [mm]	55 x 33 x 104	55 x 33 x 104	55 x 33 x 104
Clear ring height [mm]	40.00	40.00	80.00
Ring thickness [mm]	8.00	8.00	8.00
Clear ring width [mm]	27.00	27.00	27.00
Order number	263-545-JB	263-546-JB	263-547-JB





Key cassette with 40 hooks

Key safes

- For wall attachment
- Housing and door in sheet steel
- Cylinder lock with 2 keys
- Adjustable hook strips, bright zinc plated, in various colours and with consecutive numbering
- Plastic powder coated in light grey, RAL 7035

Number of key hooks	20	30	40
Features	Cylinder lock	Cylinder lock	Cylinder lock
External dimensions W x D x H [mm]	185 x 85 x 250	245 x 85 x 300	245 x 85 x 300
Weight [kg]	2	2	3
Order number	148-764-JB	148-769-JB	148-776-JB



Key cabinets

- In aluminium - timeless design
- Ready to be screwed to the wall, mounting kit supplied
- Incl. Colour coded sample pack of 6 key tags

ORDER AT THE SAME TIME

Key tag set

6 tags in red, black, blue or yellow, or mixed colours
(2 x black and blue and 1 each x red and white)

Design	Key tag set
Order number Red	157-439-JB
Order number Black	157-440-JB
Order number Blue	157-441-JB
Order number Yellow	157-443-JB
Order number Assorted colours	157-444-JB



Number of key hooks	12	18	36	36	48	54	72	72
Features	Deadlock	Cylinder lock	Cylinder lock	Combination lock	Cylinder lock	Cylinder lock	Cylinder lock	Combination lock
External dimensions W x D x H [mm]	305 x 120 x 160	305 x 120 x 280	305 x 120 x 280	305 x 120 x 280	305 x 120 x 400	305 x 120 x 280	305 x 120 x 400	305 x 120 x 400
Order number	157-433-JB	157-434-JB	157-435-JB	172-630-JB	157-437-JB	157-436-JB	157-438-JB	172-631-JB



With inscribable hook strips



With fold down inner board

Key cabinets

- For wall attachment
- With cylinder lock
- Sheet steel housing

Number of key hooks [Item(s)]	48	72	96	57	74
Features	Key hook strips can be written on	Key hook strips can be written on	Key hook strips can be written on	With fold down inner board	With fold down inner board
External dimensions W x D x H [mm]	280 x 50 x 560	380 x 50 x 455	380 x 50 x 595	215 x 70 x 280	245 x 85 x 330
Weight [kg]	4	5	7	3	4
Order number	248-552-JB	248-553-JB	248-554-JB	248-555-JB	248-556-JB



1

Led penlight

- Impact resistant ABS housing, waterproof
- Space-saving and powerful in the danger zone
- Safety-certified ATEX Zone 0 (Category 1)
- Switch at torch end for full/intermittent light
- Also fits a helmet mount or between the teeth (helmet mount optionally available)



2

Approved for ex-zone 0

LED worklights, compact and powerful

- Powerful pocket torches for harsh environments
- High performance LED, exceeds DIN 14649
- Grippy, sturdy housing
- Wrist strap and battery compartment key
- IPX7 spray protection



3

LED torches

- Lamp head swivels by 120°
- 3 mode switch (full power, reduced power, flashing)
- Four LEDs, powered by the latest generation of Ni-MH batteries, illuminate a distance of up to 272 metres.



4

Mobile LED lighting system

- Completely extendable rod with a 360° rotating head section
- Shaft extension lock
- Fully collapsible, easy to transport, quickly ready for use



5

LED headlamp for Ex-Zone 0, 4 light modes

- Offers different orientations: high, low, down and flashing modes.
- Contains an elastic band for helmets and a fabric band for wearing directly on the head

1

2

3

4

5

	1	2	3	4	5	
Light lifetime [h]		2	19	12	10	14
Battery		2 x AAA, 1.5 V	3 x AA	4 x D Ni-MH	NiMH	3AAA
Battery included in delivery		yes	yes	yes	yes	yes
Light range [m]		24	164	272	–	78
Light intensity [lumens] [lm]		117	110	530	1600	141
EX protection class (marking)	Ex II 1G Ex ia op is IIC T4 Ga	EX II 1 D EX ia IIIC t130°C Da EX II 1 G Ex ia IIC T4 Ga	Ex II 1G Ex ia op is IIC T4 Ga	Ex II 1G Ex ia op is IIC T4 Ga	Ex II 1G Ex ia op is IIC T4 Ga	Ex II 1G Ex ia op is IIC T4 Ga
Order number		274-270-JB	226-099-JB	274-276-JB	274-268-JB	274-271-JB

LED torch for Ex zone 0, with automatic light sensor

- With automatic light sensor (automatically adjusts to ambient light intensity and proximity)
- Dual beam (spot and floodlight), the secondary floodlight beam illuminates potential tripping hazards
- Integral clip for attaching to a safety vest - for hands free illumination


1

LED torch for Ex zone 0, with spotlight and floodlight function

- 3 light levels (high, medium, low)
- 4 modes: Spotlight, floodlight or both LEDs together, flashing
- Head swivels 90°
- Mounting clip with integral magnet


2

LED head torch for Ex zone 0, with flashing light

- Lamps for helmets and head torches are useful when both hands need to be free while working
- Fit the lamp to a helmet or wear it on your head
- Cushioned straps and Lightweight to ensure user comfort
- Batteries (alkaline) supplied


3

Torches

- Powerful pocket torches for harsh environments
- Impact resistant ABS housing, waterproof
- 4 operating modes, glare-free illumination of the floor
- Battery charge capacity indicator

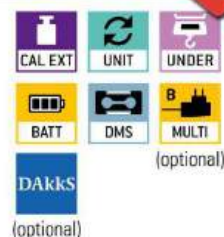

4

	1	2	3	4
Light lifetime (h)	13	8	15	16
Battery	3 AA	4 x AA	3xAA	3 x AAA
Battery included in delivery	no	no	no	yes
Light range [m]	134	249	134	61
Light intensity (lumens) [lm]	267	189	329	115
EX protection class (marking)	Ex II 1G Ex ia op is IIC T4 Ga	EX II 1 D EX ia IIIC T 130° Da EX II 1 G Ex ia IIC T4 Ga	Ex II 1G Ex ia op is IIC T4 Ga	Ex II 1G Ex ia op is IIC T4 Ga
Order number	267-002-JB	217-952-JB	267-004-JB	267-006-JB



KERN precision balances EMB, weighing range up to 6 kg

- Entry-level model for basic applications
- High mobility, with battery operation (batteries included)
- Simple, easy to use 2-button operation
- Special flat design



Weighing range max.	100 g	200 g	200 g	500 g	600 g	1,0 kg	1,2 kg	2,0 kg	2,2 kg	3,0 kg	5,2 kg	6,0 kg
Readability d	1 mg	10 mg	1 mg	100 mg	10 mg	10 mg	100 mg	10 mg	1 g	100 mg	1 g	100 mg
Weighing plate diameter [mm]	82	105	82	150	105	150	150	150	150	150	150	150
Reproducibility	1 mg	10 mg	1 mg	100 mg	10 mg	10 mg	100 mg	10 mg	1 g	100 mg	1 g	100 mg
Linearity	5 mg	20 mg	5 mg	200 mg	30 mg	50 mg	300 mg	50 mg	2 g	300 mg	3 g	300 mg
Order number	266-401-JB	266-402-JB	266-403-JB	266-404-JB	266-405-JB	266-406-JB	266-407-JB	266-408-JB	266-409-JB	266-410-JB	266-411-JB	266-412-JB
Order number DAkKS calibration certificate	266-677-JB	266-677-JB	266-677-JB	266-677-JB	266-677-JB	266-677-JB	266-677-JB	266-677-JB	266-677-JB	266-677-JB	266-678-JB	266-678-JB



KERN bench scales FCB, weighing range up to 30 kg

- Can be used in production, quality control, warehouse and dispatch for example
- Second display on the rear of the scale
- Many functions such as pre-tare deduction, recipe function or parts counting
- As standard with RS-232 interface for sending values to the PC or printer
- High mobility with battery operation (not included in delivery)



Weighing range max.	3 kg	6 kg	8 kg	12 kg	24 kg
Readability d	100 mg	500 mg	100 mg	1 g	2 g
Weighing plate dimensions [mm]	253 x 227	253 x 227	253 x 227	253 x 227	253 x 227
Reproducibility	100 mg	500 mg	100 mg	1 g	2 g
Linearity	300 mg	1,500 g	300 mg	3 g	6 g
Order number	266-466-JB	266-467-JB	266-468-JB	266-469-JB	266-470-JB
Order number DAkKS calibration certificate	266-677-JB	266-678-JB	266-678-JB	266-678-JB	266-678-JB



KERN precision balances PCB, weighing range up to 10 kg

- Many laboratory functions such as pre-tare deduction, recipe function and percentage determination
- Freely programmable weighing unit
- High mobility with battery operation (not included in delivery)
- Parts counting
- As standard with RS-232 interface for sending values to the PC or printer



Weighing range max.	200 g	350 g	1,0 kg	2,0 kg	6,0 kg	6,0 kg	10 kg
Readability d	10 mg	1 mg	10 mg	100 mg	1 g	100 mg	100 mg
Weighing plate diameter [mm]	105	81	-	-	-	-	-
Weighing plate dimensions [mm]	-	-	130 x 130	130 x 130	150 x 170	150 x 170	150 x 170
Reproducibility	10 mg	2 mg	10 mg	100 mg	1 g	100 mg	100 mg
Linearity	20 mg	5 mg	30 mg	200 mg	2 g	300 mg	300 mg
Order number	266-415-JB	266-417-JB	266-419-JB	266-420-JB	266-423-JB	266-424-JB	266-425-JB
Order number DAkKS calibration certificate	266-677-JB	266-677-JB	266-677-JB	266-677-JB	266-678-JB	266-678-JB	266-678-JB



KERN parcel scales EOB, weighing range up to 300 kg

- Multipurpose, e.g. in parcel dispatch or as a check scale
- Simple 4-button operation
- Stainless steel weighing plate
- Wall mounted display
- Safe operation via power supply unit



Weighing range max.	15 kg	35 kg	60 kg	60 kg	150 kg	150 kg	150 kg	300 kg	300 kg	300 kg
Readability d	5 g	10 g	20 g	20 g	50 g	50 g	50 g	100 g	100 g	100 g
Weighing plate dimensions [mm]	305 x 315	305 x 315	305 x 315	550 x 550	305 x 315	550 x 550	950 x 500	305 x 315	550 x 550	950 x 500
Reproducibility	5 g	10 g	20 g	20 g	50 g	50 g	50 g	100 g	100 g	100 g
Linearity	10 g	20 g	40 g	40 g	100 g	100 g	100 g	200 g	200 g	200 g
Order number	266-549-JB	266-550-JB	266-551-JB	266-552-JB	266-553-JB	266-554-JB	266-555-JB	266-556-JB	266-557-JB	266-558-JB
Order number DAKKS calibration certificate	266-678-JB	266-678-JB	266-679-JB	266-679-JB	266-679-JB	266-679-JB	266-679-JB	266-679-JB	266-679-JB	266-679-JB

KERN hanging scale HCB/ HCN, weighing range up to 1 t

- Can be used as a check scale in production, warehouse, quality control and dispatch for example
- Housing in plastic or stainless steel
- Stainless steel housing with dust and water spray protection IP 65
- Hold function - makes it easy to read the weighed value, automatically when the scale is still or manually by pressing the Hold button
- High mobility, with battery operation (batteries included)
- Peak load display
- Scales up to and including 200 kg with stainless steel hook and carabiner



Housing material	Plastic										Stainless steel		
Weighing range max.	20 kg	50 kg	50 kg	99 kg	100 kg	200 kg	200 kg	500 kg	1 t	50 kg	100 kg	200 kg	
Readability d	10 g	20 g	100 g	50 g	200 g	100 g	500 g	1 kg	2 kg	100 g	200 g	500 g	
External dimensions W x D [mm]	82 x 43	82 x 43	82 x 43	82 x 43	82 x 43	82 x 43	82 x 43	82 x 43	82 x 43	96 x 43	96 x 43	96 x 43	
Order number	266-628-JB	266-629-JB	266-630-JB	266-631-JB	266-632-JB	266-633-JB	266-634-JB	266-635-JB	266-636-JB	266-639-JB	266-640-JB	266-641-JB	
Order number DAKKS calibration certificate	266-690-JB	266-690-JB	266-690-JB	266-691-JB	266-691-JB	266-691-JB	266-691-JB	266-692-JB	266-692-JB	266-690-JB	266-691-JB	266-691-JB	

Accessories	Order number
Internal battery operation, includes adapter (EURO, CH, UK, US) for balance model PCB and FKB	266-426-JB
Internal battery operation (EU) for scale model FCB	266-472-JB
Stainless steel carabiner with safety lock, for scale model HCB / HCN	266-637-JB
Stainless steel hook, for scale model HCB / HCN	266-638-JB
Dot matrix printer for balance model 572	266-446-JB
Rolls of paper for dot matrix printer for balance model 572, 10 pieces	266-447-JB

All products for Scales can be found here:

www.denios.co.uk/kat/36133

Explanation of pictograms

Weighing principle: Strain gauges	Weighing units can be switched	Underfloor weighing	Addition of recipe components	Deviation in % from setpoint
Parts counting	Data interface RS-232	Print the date and time with the KERN printer	Dust and water spray protection IP 65	Stainless steel
DAKKS calibration certificate (DKD) available	Battery operation	Hold function	Universal power adapter for EU, CH, GB, USA	Battery operation

Universal drum wrench in special bronze, spark-free

For safe working in potentially explosive areas!

- In special bronze (aluminium multi-alloy bronze)
- Fine sand-blasted surface
- For 22 drum closures
- Approved for Ex-zones 1, 21



Length [mm]	Order number
380	250-295-JB

Open end spanner set in special bronze, spark-free

For safe working in potentially explosive areas!

- Similar to DIN 3110
- The tools are highly corrosion-resistant, even to saltwater.



Wrench width	Length [mm]	Order number
6 x 7 mm	125	250-297-JB
8 x 9 mm	125	250-298-JB
10 x 11 mm	140	250-310-JB
12 x 13 mm	160	250-311-JB
16 x 17 mm	200	250-312-JB
17 x 19 mm	225	250-313-JB
20 x 22 mm	240	250-314-JB
24 x 27 mm	270	250-315-JB
30 x 32 mm	300	250-316-JB

Combi pliers in CuBe, spark-free

For safe working in potentially explosive areas!

- Tools in copper beryllium (CuBe) are non-magnetic.
- The tools are highly corrosion-resistant, even to saltwater.
- Approved for Ex-zones 1, 21



Length [mm]	Order number
200	250-374-JB

Pipe wrench in CuBe, spark-free

For safe working in potentially explosive areas!

- Tools in copper beryllium (CuBe) are non-magnetic.
- Spark-free tools in special non-ferrous alloys.
Certified for use in zones with combustible or highly flammable vapours, liquids or dusts.



Jaw width	Length [mm]	Order number
max. 30 mm	250	250-376-JB



Ratchet set 1/4" in CuBe, spark-free

For safe working in potentially explosive areas!

- 16 part set with:
Plastic box with foam inlay, 1x ratchet, extension 100 mm, socket wrench set 4/4.5/5/5.5/6/7/8/9/10/11/12/13/14 mm
- Tools in copper beryllium (CuBe) are non-magnetic.



Model	Wrench width	Order number
Ratchet set 1/4"	4-14 mm	250-345-JB

Ratchet set 1/2" in CuBe, spark-free

For safe working in potentially explosive areas!

- 27 part set with:
Plastic box with foam inlay, 1x ratchet, extension 250 mm, crossbar 320 mm, jointed handle 380 mm, socket wrench set 10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/32 mm



Model	Wrench width	Order number
Ratchet set 1/2"	10-32 mm	250-346-JB

Workshop screwdriver in CuBe, spark-free

For safe working in potentially explosive areas!

- Spark-free tools in special non-ferrous alloys.
Certified for use in zones with combustible or highly flammable vapours, liquids or dusts.



Blade	Length [mm]	Order number Slot screwdriver
4.5 mm	100	250-357-JB
6 mm	150	250-358-JB
8 mm	150	250-359-JB
10 mm	200	250-360-JB

Sledgehammer in special bronze, spark-free

For safe working in potentially explosive areas!

- Similar to DIN 1042
- With hickory shaft
- Approved for Ex-zones 1, 21
- The tools are highly corrosion-resistant, even to saltwater.



Model	Weight [g]	Order number
Sledgehammer	3000	250-381-JB
	5000	250-382-JB

Shovels and spades in special bronze, spark-free

For safe working in potentially explosive areas!

- In special bronze (aluminium multi-alloy bronze)
- Approved for Ex-zones 1, 21
- The tools are highly corrosion-resistant, even to saltwater.



Model	Size	Length [mm]	Order number
Scoop	180 x 220 mm	550	250-408-JB
Scoop shovel, straight handle	240 x 290 mm	1600	250-405-JB
Scoop shovel, D handle	240 x 290 mm	1270	265-043-JB

Combination wrench in special bronze, spark-free

For safe working in potentially explosive areas!

- Similar to DIN 3113



Wrench width	Length [mm]	Order number
6 mm	130	250-327-JB
7 mm	130	250-328-JB
8 mm	135	250-329-JB
10 mm	150	250-330-JB
12 mm	190	250-331-JB
13 mm	190	250-332-JB
14 mm	190	250-333-JB
17 mm	210	250-334-JB
19 mm	230	250-335-JB
24 mm	270	250-336-JB
27 mm	280	250-337-JB
30 mm	300	250-338-JB
32 mm	300	250-339-JB

Crowbars in special bronze, spark-free

For safe working in potentially explosive areas!

- Approved for Ex-zones 1, 21
- The tools are highly corrosion-resistant, even to saltwater.



Length [mm]	Order number	Order number
	Crowbar	Crowbar with point and edge
450	250-412-JB	-
600	262-949-JB	-
750	262-950-JB	-
1000	262-952-JB	262-956-JB
1500	262-953-JB	262-958-JB
1800	262-954-JB	262-959-JB

Safety knife SECUNORM

- Automatic blade retraction ensures high safety
- As soon as you start cutting, release the slider - so the blade immediately disappears back into the handle after cutting
- Suitable for right and left handers
- Easy blade change



Model	SECUNORM 500	SECUNORM 300
Material	Aluminium	Glass fibre reinforced plastic
Cutting depth [mm]	17	17
External dimensions W x D x H [mm]	22 x 154 x 38	22 x 154 x 38
Order number	288-990-JB	288-991-JB

Safety knife SECUPRO

- Fully automatic blade retraction ensures very high safety
- As soon as the blade leaves the cutting material, it retracts into the handle on its own, even if you are still holding down the slider or lever
- Easy blade change - the integrated magnet prevents the blade from falling out
- Suitable for right and left handers



Model	SECUPRO MARTEGO	SECUPRO MERAK
Material	Aluminium	Glass fibre reinforced plastic
Cutting depth [mm]	9	9
External dimensions W x D x H [mm]	22 x 160 x 58	22 x 138 x 55
Order number	288-995-JB	288-994-JB

Safety knife SECUMAX

- Concealed blade for maximum safety
- The SECUMAX protects against cuts and damage to goods
- Easy, safe blade change
- Suitable for right and left handers



Model	SECUMAX 350	SECUMAX 320
Material	Glass fibre reinforced plastic	Glass fibre reinforced plastic
Cutting depth [mm] [Item(s)]	6	4
External dimensions W x D x H [mm]	16 x 157 x 42	19 x 168 x 62
	288-999-JB	289-000-JB

Safety knife accessories

- Rugged belt pack
- Easy transport of work equipment
- Space for all compact MARTOR safety knives as well as the safety shears



Model	Material	Order number
Belt pack S	Nylon	289-038-JB
Belt pack M	Nylon	289-039-JB
Belt pack L	Nylon	289-040-JB

Belt pouches without contents

Prohibition signs according to ISO 7010

In our range you will find an extensive selection of prohibition signs according to ISO 7010 as well as proven prohibition signs.



- Prohibition signs prevent certain behaviour that could cause a hazard
- Easily recognisable by their round shape and red colour, prohibition signs make a significant contribution to safety in the workplace
- Lightfast and long lasting

Model	No smoking						
	Foil		Plastic		Aluminium		
Material	100	—	100	200	100	200	300
Diameter [mm]	100	—	100	200	100	200	300
Order number	267-591-JB	219-110-JB	285-109-JB	285-110-JB	290-517-JB	266-729-JB	266-728-JB

Mandatory sign according to ISO 7010

In our range you will find an extensive selection of mandatory signs according to ISO 7010 as well as proven mandatory signs.



- Mandatory signs indicate protective measures as well as the risks and hazards at the workplace in order to prevent accidents and damage to health
- Mandatory signs not only contribute to work safety but also to the protection of your employees' health
- Lightfast and long lasting

Model	Wear eye protection						
	Foil		Plastic		Aluminium		
Material	30	50	100	200	200	300	200
Diameter [mm]	30	50	100	200	200	300	200
Order number	285-081-JB	285-082-JB	266-795-JB	266-793-JB	285-083-JB	285-084-JB	266-794-JB

Hazard signs according to ISO 7010

In our range you will find an extensive selection of hazard signs according to ISO 7010 as well as proven hazard signs.



- Hazard signs identify potential sources of danger and obstacles, contributing not only to better awareness among employees but also to work safety in general
- Lightfast and long lasting

Model	Warning of hot surface						
	Foil		Plastic		Aluminium		
Material	25	50	100	200	200	100	200
Side length [mm]	25	50	100	200	200	100	200
Order number	285-163-JB	285-164-JB	266-706-JB	266-703-JB	285-165-JB	266-705-JB	266-704-JB

Fire protection signs

In our range you will find an extensive selection of fire protection signs according to ISO 7010 / ISO 3864 and others.

- Fire protection signs indicate facilities or equipment that are important for fire protection
- Lightfast and long lasting
- All luminescent signs have a luminosity higher than DIN 67510 requires



Model	FIRE EXTINGUISHER		Fire extinguishers		FIRE EXTINGUISHER	
	Foil		Plastic		Aluminium	
Material	Foil		Plastic		Aluminium	
W x H [mm]	150 x 150	200 x 200	150 x 150	200 x 200	150 x 150	200 x 200
Luminescent	Yes					
Packaging unit (piece/pack)	10 Item(s)					
Order number	219-108-JB	219-142-JB	285-047-JB	285-048-JB	219-115-JB	219-143-JB

3D fire protection signs

In our range you will find an extensive selection of fire protection signs as 3D signs, these protrude into the room and are therefore more visible.

- Lightfast and long lasting
- All luminescent signs have a luminosity higher than DIN 67510 requires



Model	Angled sign		Fire alarm	
	Aluminium		Plastic	
Material	Aluminium		Plastic	
W x H [mm]	150 x 150	200 x 200	150 x 150	200 x 200
Luminescent	Yes			
Packaging unit (piece/pack)	5 Item(s)			
Order number	219-130-JB	219-131-JB	285-066-JB	285-067-JB

Fire protection signs as projecting signs

In our range you will find an extensive selection of fire protection signs as projecting signs, these protrude into the room and are therefore more visible.

- Lightfast and long lasting
- All luminescent signs have a luminosity higher than DIN 67510 requires



Model	Ladder			
	Aluminium		Plastic	
Material	Aluminium		Plastic	
W x H [mm]	150 x 150	200 x 200	150 x 150	200 x 200
Luminescent	Yes			
Packaging unit (piece/pack)	5 Item(s)			
Order number	290-237-JB	290-238-JB	290-239-JB	290-240-JB

Emergency signs according to ISO 7010

In our range you will find an extensive selection of emergency signs according to ISO 7010 / ISO 3864 and others.

- Emergency signs indicate facilities, equipment or escape routes that are important for the rescue of people
- Lightfast and long lasting
- All luminescent signs have a luminosity higher than DIN 67510 requires



Model	EMERGENCY EXIT				Emergency exit downwards	
	Foil	Aluminium	Aluminium	Aluminium	Plastic	Plastic
Material						
W x H [mm]	300 x 150	400 x 200	300 x 150	400 x 200	300 x 150	400 x 200
Luminescent	Yes					
Packaging unit (piece/pack)	10 Item(s)		5 Item(s)		10 Item(s)	5 Item(s)
Order number	219-138-JB	219-139-JB	219-140-JB	219-141-JB	284-988-JB	284-989-JB

3D emergency signs

In our range you will find an extensive selection of emergency signs as 3D signs, these protrude into the room and are therefore more visible.

- Lightfast and long lasting
- All luminescent signs have a luminosity higher than DIN 67510 requires



Model	Angled sign		First aid	
	Aluminium	Aluminium	Plastic	Plastic
Material				
W x H [mm]	150 x 150	200 x 200	150 x 150	200 x 200
Luminescent	Yes			
Packaging unit (piece/pack)	5 Item(s)			
Order number	173-703-JB	173-704-JB	285-014-JB	285-015-JB

Emergency signs as projecting signs

In our range you will find an extensive selection of emergency signs as projecting signs, these protrude into the room and are therefore more visible.

- Lightfast and long lasting
- All luminescent signs have a luminosity higher than DIN 67510 requires



Model	Projecting sign		Emergency eye wash	
	Aluminium	Aluminium	Plastic	Plastic
Material				
W x H [mm]	150 x 150	200 x 200	150 x 150	200 x 200
Luminescent	Yes			
Packaging unit (piece/pack)	5 Item(s)			
Order number	173-709-JB	173-710-JB	290-444-JB	285-033-JB



Test stickers (different versions, sizes and years)

- Test stickers show when machines, systems and equipment were last inspected and provide information on when the next inspection must take place
- Potentially dangerous devices and machines in particular must be checked regularly by a specialist
- Difficult to remove and tamper-proof (cannot be stuck back down again)



Test plate year	2024	2025	2026	2027
Colour	Red	Brown	Yellow	Orange
Material	Document film			
Diameter [mm]	30			
Pack contents	5 Sheet			
Order number	290-129-JB	290-130-JB	290-131-JB	290-132-JB

Available in different versions, sizes and years. Please feel free to visit our online shop.

Cable test stickers (different versions, sizes and years)

- Test stickers show when machines, systems and equipment were last inspected and provide information on when the next inspection must take place
- Potentially dangerous devices and machines in particular must be checked regularly by a specialist
- Self-adhesive foil with excellent adhesive strength



Test plate year	2024	2025	2026	2027
Material	Foil			
W x H [mm]	60 x 20			
Pack contents	5 Sheet			
Order number	290-111-JB	290-112-JB	290-113-JB	290-114-JB

Available in different versions, sizes and years. Please feel free to visit our online shop.

Hazardous substance labels according to GHS

- Hazardous substance labels according to GHS (Globally Harmonised System) clearly indicate corrosive, toxic or explosive chemicals
- Since 2015, identification of these chemicals and mixtures with hazardous substance labels has been mandatory
- The self-adhesive PVC film makes the marking easy to apply
- All nine pictograms are available in different sizes



Model	Exclamation mark symbol					
W x H [mm]	15 x 15	21 x 21	26 x 26	37 x 37	52 x 52	105 x 105
Material	Foil					
Order number	285-076-JB	191-810-JB	193-048-JB	191-812-JB	193-049-JB	193-050-JB

Please note that the actual classification of your hazardous substances may only be carried out by authorised persons.



6

Equipment cabinets for order

With our wide range of equipment cabinets, you can organise your working environment clearly, increasing safety and efficiency for your employees.

PRODUCTION AND OPERATION EQUIPMENT



Long-lasting steel design for storing tools and equipment in a tough environment.

Order no. 243-747-JB