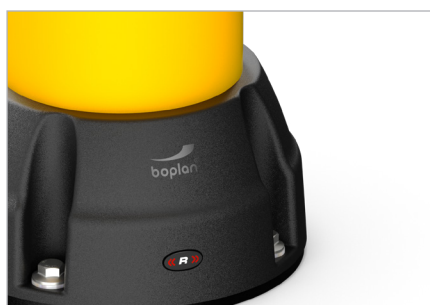
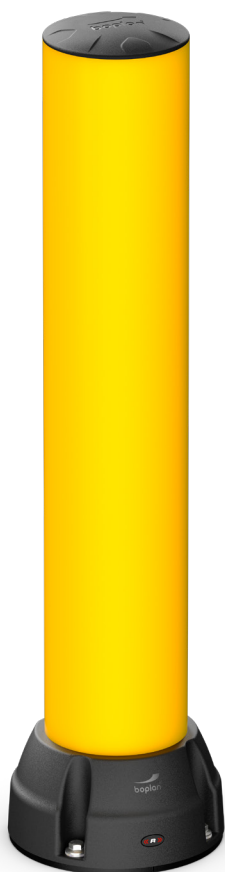


BO200R

BOLLARDS AND HEIGHT RESTRICTORS

Revision: 3 June 2024 9:15 AM

Boplan reference: BO200R...



Base Defender with Impact Button

PRODUCT SPECIFICATIONS

APPLICATION		
Environment	The BO200R, designed for areas prone to frequent impact risks like gates, access ways, corners, and machinery, ensures robust protection against collisions. Whether used as a free-standing bollard or combined with other Boplan products, like our traffic barrier systems, it showcases versatility in protective applications. With a 200mm tube diameter and a solid large base, it efficiently absorbs collision forces and keeps pallets at a certain distance from the bollard to protect hands and prevent injury. Suitable for both indoor and outdoor environments.	
Impact performance	10 200 Joule (Eq. to 3,8 ton - 8,3 km/h)	
MATERIAL		
Tube	Extrilene® - UV resistant - Fire class E* - Non conductive - Impervious to most chemicals**	
Cap	Sustainable elastomer	
Base Defender	Sustainable elastomer	
Base Shield	Sustainable elastomer	
COLOURS		
Bollard	Standard: Yellow RAL 1003 Also available in Black RAL 9005, Grey RAL 7042 and Red RAL 3020 (multicolour)	
Base Defender	Standard: Black RAL 9005	
OPTIONAL		
Base Shield	The optional Shield ensures additional protection to crucial internal components by deflecting ground level impacts. It will also increase display presence and hygiene by covering over the fixations.	
Sign Mark 200	Sign board used to display important messages. It is designed for a perfect fit and signs can easily be replaced with just a click.	
Sleeve	Polymer sleeve that can be slid over the bollard.	
Stripes	Coloured reflective stripes providing a high level of visibility.	
BASEPLATES		
	Zinc Coated Steel	Stainless steel
Material	Steel 37	Stainless steel 304
Coating	Electroplated + Lacquered	No lacquer / No coating
Colour	Mat black	Natural colour

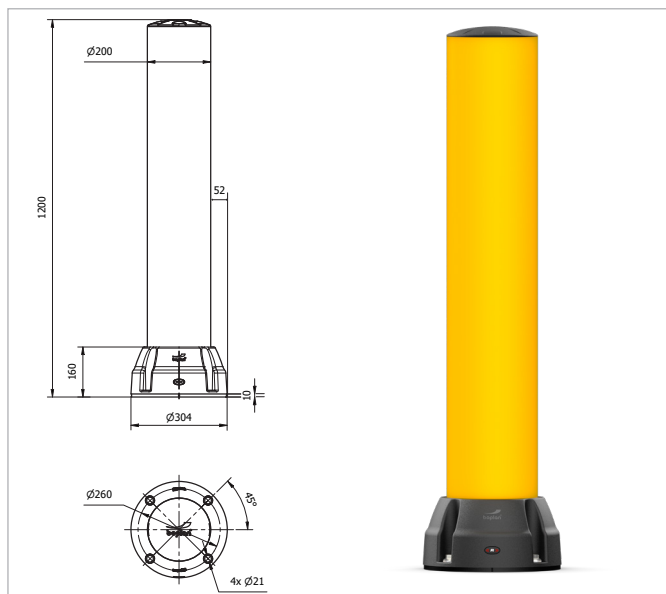
^{*}Classification according to EN 13501-1:2007 +A1:2009 - Fire classification of construction products and building elements.

^{**}Ask your local sales office for resistance to specific chemicals.

FIXATIONS				
			ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Concrete screw		Ø17mm x 130mm	Not available
	Wedge anchor		Ø18mm (M12) x 130mm	Ø18mm (M12) x 130mm
ALTERNATIVE	Asphalt anchor		Bolt M16 x 50mm + Screw Ø22 x 100mm	Not available

FEATURES AND FUNCTIONALITY - B0200R

SIZE	
Height	450 mm 600 mm 750 mm 1000 mm 1200 mm 1201 - 1525 mm 1600 - 2000 mm 2100 - 2500 mm
Profile section post	Tube: Ø200 mm (11 mm thick)
Baseplate	Ø300 mm (10 mm thick)
Base Defender	Top: Ø200 mm Base: Ø304 mm Height: 150 mm
Base Shield (optional)	Top: Ø200 mm Base: Ø325 mm Height: 175 mm
Profile section rails (if used)	Rail 88 mm x 88 mm (7.5 mm thick)
	Rail 50 mm x 70 mm (6.0 mm thick)

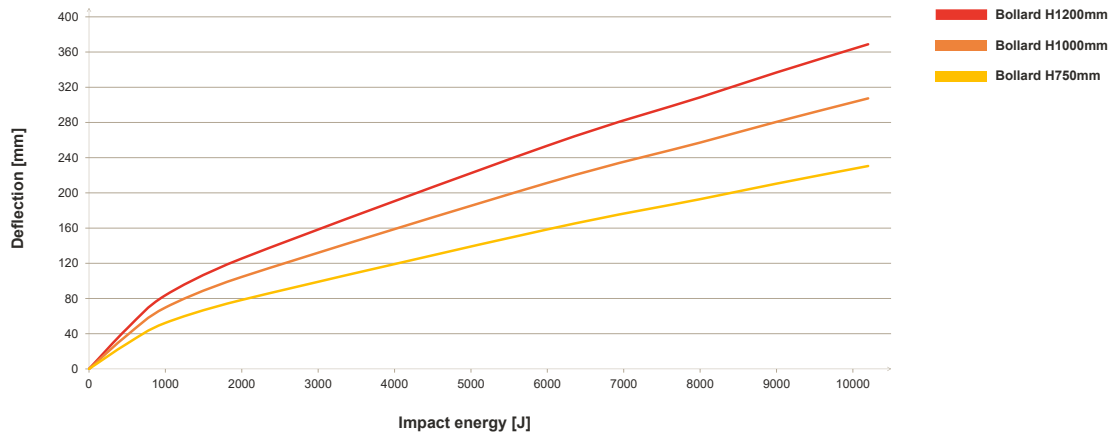


REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150 mm
Concrete slab dimension around posts (mm)	700 (h) x 700 (w) x 600 (d)
Operational temperature	-10°C up to +40°C
Water and humidity	Zinc coated: Indoor and outdoor use in most environments.* Stainless steel: outdoor use or frequent exposure to water and humidity.

boplan IMPACT LABEL FOR SAFETY BARRIERS	
BOPLAN B0200R	
IMPACT RATING	
E50	< 50 kJ
E40	< 40 kJ
E30	< 30 kJ
E25	< 25 kJ
E20	< 20 kJ
E15	< 15 kJ
E12	< 12 kJ
E10	< 10 kJ
E7	< 7.5 kJ
E5	< 5.0 kJ
E2	< 2.5 kJ
E1	< 1.0 kJ
	10,2 kJ
IMPACT RESULTS Deflection: At maximum impact energy	 $\alpha = 17,9^\circ$ D = 368.8 mm / 25.1 inch
TEST CONDITIONS TEMPERATURE: 20°C / 68°F IMPACT HEIGHT: 300 mm / 47.2 Inch → D: 368.8 mm / 25.1 Inch → α : 17.9° TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 Inch	SUCCESS CRITERIA VEHICLE STOPPED ASI (ACCELERATION SEVERITY INDEX) < 0.5
TEST VEHICLE: TYPE: BOPLAN IMPACT TEST VEHICLE WEIGHT: 3775 Kg / 8322.45 lbs SIZE (L x W x h): 3100 x 1100 x 1150 mm / 122 x 43 1/4 x 45 1/4 Inch CONTACT AREA, STEEL BUMPER WIDTH: 1000 mm / 39 1/4 Inch	BOPLAN TEST LAB Muizelstraat 12 8560 Moorsele Belgium  IL-B0200R-20240209

FEATURES AND FUNCTIONALITY - B0200R

Deflection curve

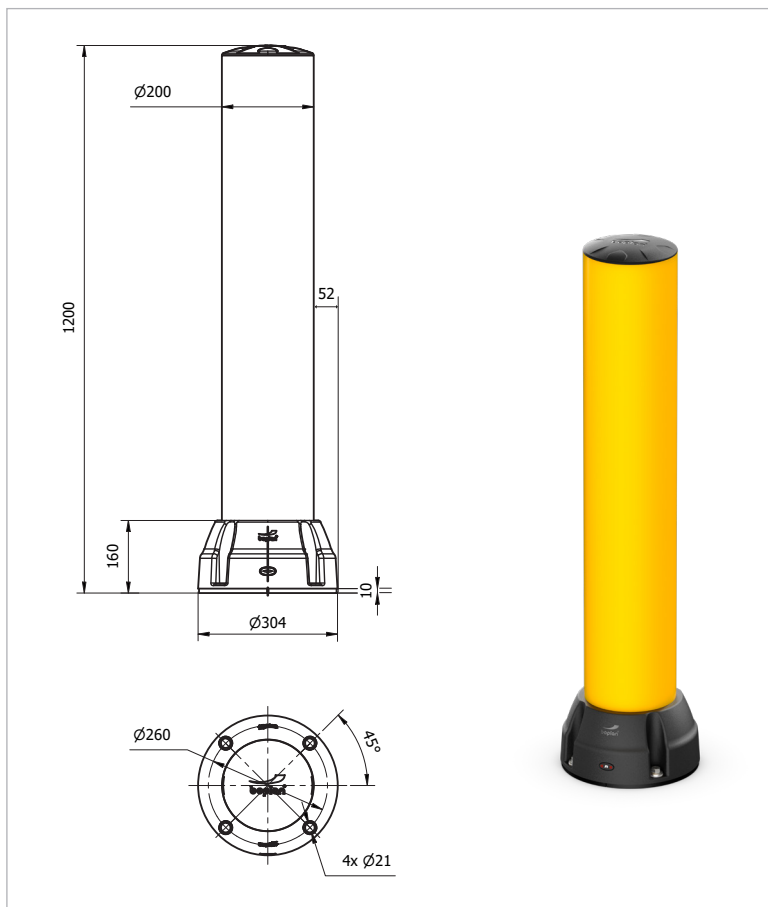


See impact label for detailed information on the test conditions.



REFERENCE LIST - BO200R

	ZINC COATED (ZC)		STAINLESS STEEL (SS)	
	YELLOW	MULTICOLOUR 	YELLOW	MULTICOLOUR 
450 mm	BO200R0-0450-0001YEZ	BO200R0-0450-0001MCZ	BO200R0-0450-0001YES	BO200R0-0450-0001MCS
600 mm	BO200R0-0600-0001YEZ	BO200R0-0600-0001MCZ	BO200R0-0600-0001YES	BO200R0-0600-0001MCS
750 mm	BO200R0-0750-0001YEZ	BO200R0-0750-0001MCZ	BO200R0-0750-0001YES	BO200R0-0750-0001MCS
1000 mm	BO200R0-1000-0001YEZ	BO200R0-1000-0001MCZ	BO200R0-1000-0001YES	BO200R0-1000-0001MCS
1200 mm	BO200R0-1200-0001YEZ	BO200R0-1200-0001MCZ	BO200R0-1200-0001YES	BO200R0-1200-0001MCS
1201 - 1525 mm	BO200R1-1525-0001YEZ	BO200R1-1525-0001MCZ	BO200R1-1525-0001YES	BO200R1-1525-0001MCS
1600 - 2000 mm	BO200R1-2000-0001YEZ	BO200R1-2000-0001MCZ	BO200R1-2000-0001YES	BO200R1-2000-0001MCS
2100 - 2500 mm	BO200R1-2500-0001YEZ	BO200R1-2500-0001MCZ	BO200R1-2500-0001YES	BO200R1-2500-0001MCS

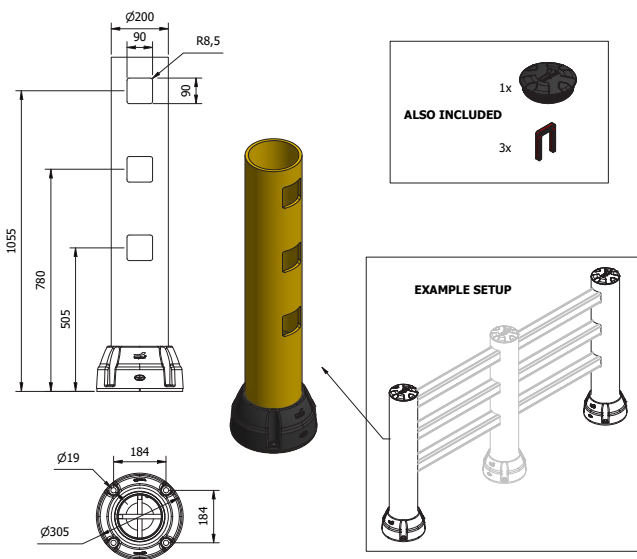


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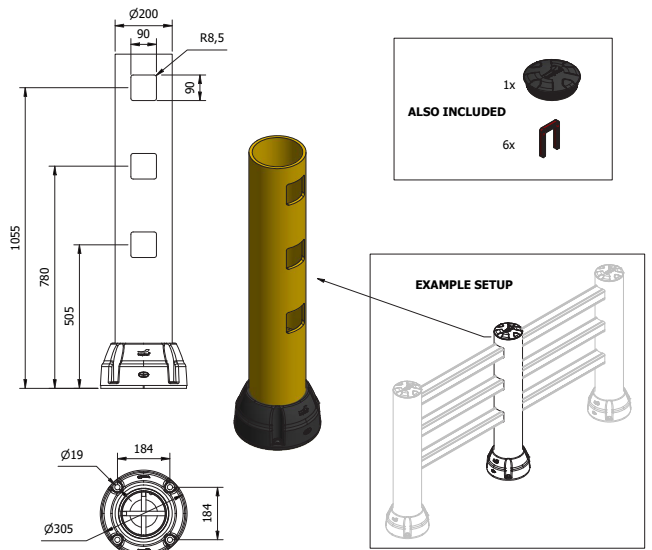
BOLLARD END POSTS - with rails 88

		ENDPOST (EP)	MIDPOST (MP)
		ZINC COATED (ZC)	ZINC COATED (ZC)
		YELLOW	YELLOW
2R	1200 mm	BO200R0-1200-E208YEZ	BO200R0-1200-M208YEZ
	1201 - 1525 mm	BO200R1-1525-E208YEZ	BO200R1-1525-M208YEZ
3R	1200 mm	BO200R0-1200-E308YEZ	BO200R0-1200-M308YEZ
	1201 - 1525 mm	BO200R1-1525-E308YEZ	BO200R1-1525-M308YEZ

End post 3R



Mid post 3R

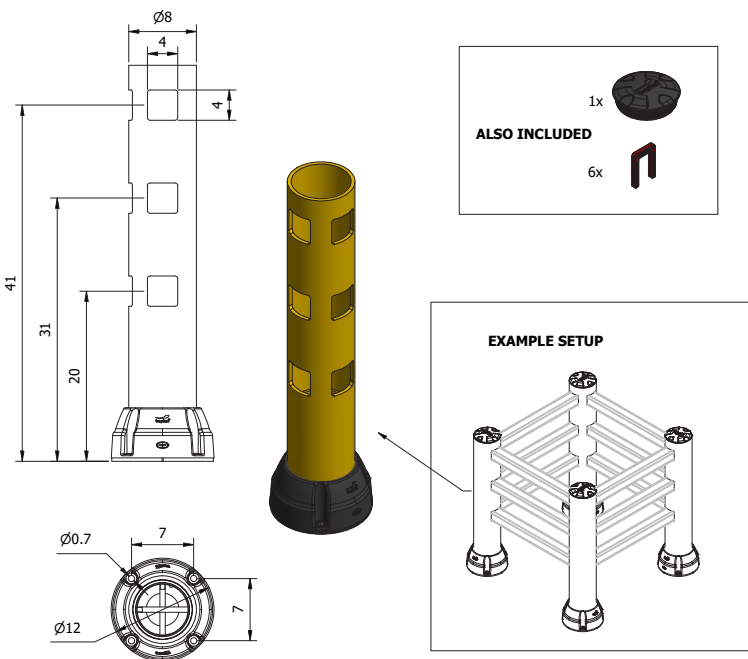


REFERENCE LIST B0200R

BOLLARD CORNER POSTS (90/45°) - with rails 88

	CORNER POST 90° (CP)		CORNER POST 45° (CP)
	ZINC COATED (ZC)		ZINC COATED (ZC)
	YELLOW		YELLOW
2R	1200 mm	B0200R0-1200-C298YEZ	B0200R0-1200-C248YEZ
	1201 - 1525 mm	B0200R1-1525-C298YEZ	B0200R1-1525-C248YEZ
3R	1200 mm	B0200R0-1200-C398YEZ	B0200R0-1200-C348YEZ
	1201 - 1525 mm	B0200R1-1525-C398YEZ	B0200R1-1525-C348YEZ

Corner post 90° 3R

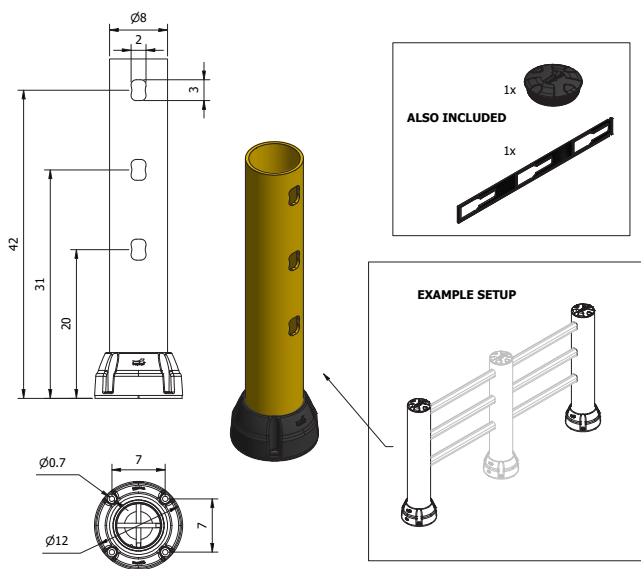


REFERENCE LIST - BO200R

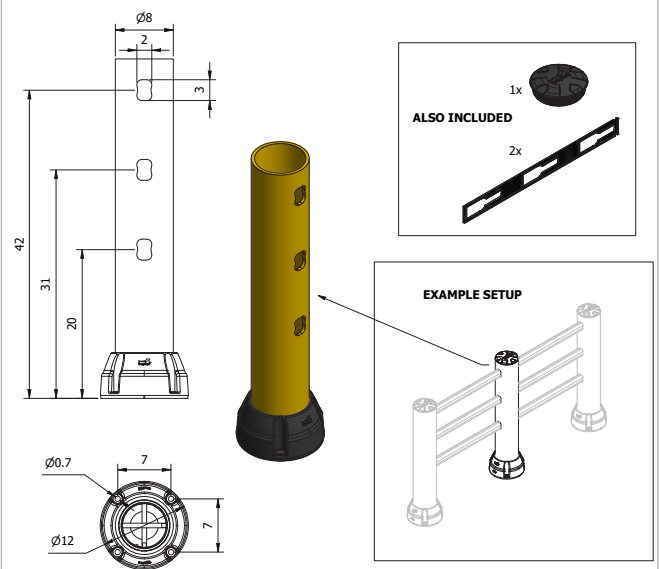
BOLLARD POSTS (EP/MP) - with handrails R50

		ENDPOST (EP)		MIDPOST (MP)		
		ZINC COATED (ZC)	STAINLESS STEEL (SS)	ZINC COATED (ZC)	STAINLESS STEEL (SS)	
		YELLOW	YELLOW	YELLOW	YELLOW	
HP	2R	1200 mm	<u>BO200R0-1200-E205HYZ</u>	BO200R0-1200-E205HYS	<u>BO200R0-1200-M205HYZ</u>	BO200R0-1200-M205HYS
		1201 - 1525 mm	BO200R1-1525-E205HYZ	BO200R1-1525-E205HYS	BO200R1-1525-M205HYZ	BO200R1-1525-M205HYS
		1600 - 2000 mm	BO200R1-2000-E205HYZ	BO200R1-2000-E205HYS	BO200R1-2000-M205HYZ	BO200R1-2000-M205HYS
		2100 - 2500 mm	BO200R1-2500-E205HYZ	BO200R1-2500-E205HYS	BO200R1-2500-M205HYZ	BO200R1-2500-M205HYS
	3R	1200 mm	BO200R0-1200-E305YEZ	BO200R0-1200-E305YES	BO200R0-1200-M305YEZ	BO200R0-1200-M305YES
		1201 - 1525 mm	BO200R1-1525-E305YEZ	BO200R1-1525-E305YES	BO200R1-1525-M305YEZ	BO200R1-1525-M305YES
		1600 - 2000 mm	BO200R1-2000-E305YEZ	BO200R1-2000-E305YES	BO200R1-2000-M305YEZ	BO200R1-2000-M305YES
		2100 - 2500 mm	BO200R1-2500-E305YEZ	BO200R1-2500-E305YES	BO200R1-2500-M305YEZ	BO200R1-2500-M305YES
TB	2R	1200 mm	BO200R0-1200-E205TYZ	BO200R0-1200-E205TYS	BO200R0-1200-M205TYZ	BO200R0-1200-M205TYS
		1201 - 1525 mm	BO200R1-1525-E205TYZ	BO200R1-1525-E205TYS	BO200R1-1525-M205TYZ	BO200R1-1525-M205TYS
		1600 - 2000 mm	BO200R1-2000-E205TYZ	BO200R1-2000-E205TYS	BO200R1-2000-M205TYZ	BO200R1-2000-M205TYS
		2100 - 2500 mm	BO200R1-2500-E205TYZ	BO200R1-2500-E205TYS	BO200R1-2500-M205TYZ	BO200R1-2500-M205TYS

End post 3R



Mid post 3R

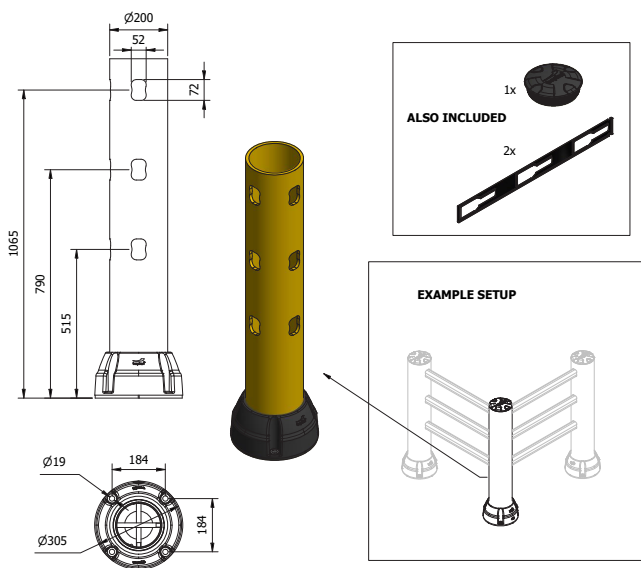


REFERENCE LIST - BO200R

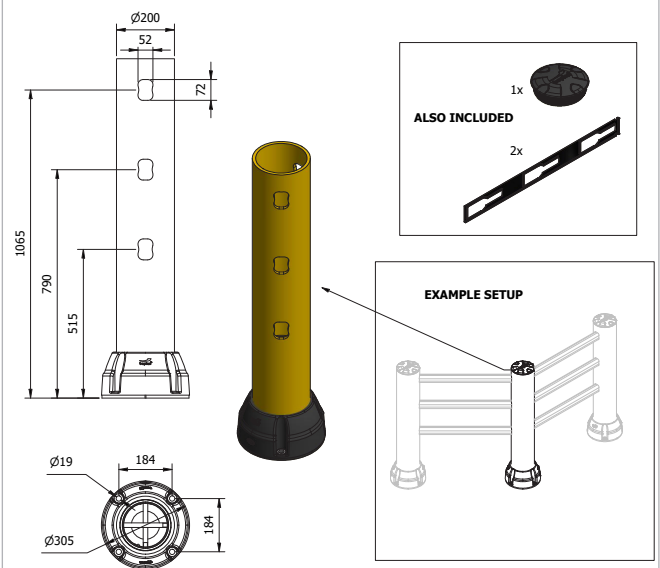
BOLLARD CORNER POSTS (90°/45°) - with handrails R50

		CORNER POST 90° (EP)		CORNER POST 45° (EP)		
		ZINC COATED (ZC)	STAINLESS STEEL (SS)	ZINC COATED (ZC)	STAINLESS STEEL (SS)	
		YELLOW	YELLOW	YELLOW	YELLOW	
HP	2R	1200 mm	BO200R0-1200-C295HYZ	BO200R0-1200-C295HYS	BO200R0-1200-C245HYZ	BO200R0-1200-C245HYS
		1201 - 1525 mm	BO200R1-1525-C295HYZ	BO200R1-1525-C295HYS	BO200R1-1525-C245HYZ	BO200R1-1525-C245HYS
		1600 - 2000 mm	BO200R1-2000-C295HYZ	BO200R1-2000-C295HYS	BO200R1-2000-C245HYZ	BO200R1-2000-C245HYS
		2100 - 2500 mm	BO200R1-2500-C295HYZ	BO200R1-2500-C295HYS	BO200R1-2500-C245HYZ	BO200R1-2500-C245HYS
	3R	1200 mm	BO200R0-1200-C395YEZ	BO200R0-1200-C395YES	BO200R0-1200-C345YEZ	BO200R0-1200-C345YES
		1201 - 1525 mm	BO200R1-1525-C395YEZ	BO200R1-1525-C395YES	BO200R1-1525-C345YEZ	BO200R1-1525-C345YES
		1600 - 2000 mm	BO200R1-2000-C395YEZ	BO200R1-2000-C395YES	BO200R1-2000-C345YEZ	BO200R1-2000-C345YES
		2100 - 2500 mm	BO200R1-2500-C395YEZ	BO200R1-2500-C395YES	BO200R1-2500-C345YEZ	BO200R1-2500-C345YES
TB	2R	1200 mm	BO200R0-1200-C295TYZ	BO200R0-1200-C295TYS	BO200R0-1200-C245TYZ	BO200R0-1200-C245TYS
		1201 - 1525 mm	BO200R1-1525-C295TYZ	BO200R1-1525-C295TYS	BO200R1-1525-C245TYZ	BO200R1-1525-C245TYS
		1600 - 2000 mm	BO200R1-2000-C295TYZ	BO200R1-2000-C295TYS	BO200R1-2000-C245TYZ	BO200R1-2000-C245TYS
		2100 - 2500 mm	BO200R1-2500-C295TYZ	BO200R1-2500-C295TYS	BO200R1-2500-C245TYZ	BO200R1-2500-C245TYS

Corner post 90° 3R



Corner post 45° 3R

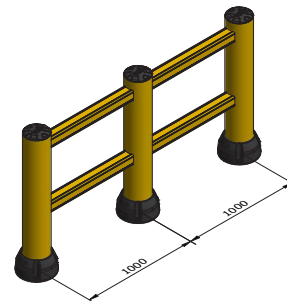
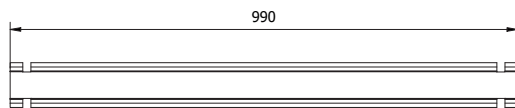


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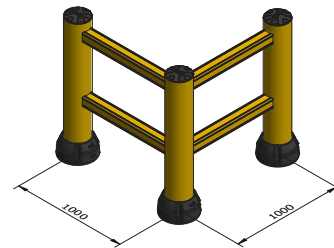
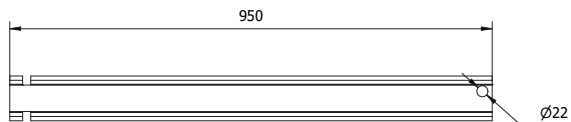
BOLLARD RAILS (R88)

		1000 mm	300-1200 mm	1201-1750 mm
2R (R88)	Std rail - YE	BR1880-1000-S200YE	BR1881-1200-S200YE	BR1881-1750-S200YE
	Std Corner rail 90° - 1C 45° - YE	BR1880-1000-S21CYE	BR1881-1200-S21CYE	BR1881-1750-S21CYE
	Std Corner rail 90° - 2C 45° - YE	BR1880-1000-S22CYE	BR1881-1200-S22CYE	BR1881-1750-S22CYE
3R (R88)	Std rail - YE	BR1880-1000-S300YE	BR1881-1200-S300YE	BR1881-1750-S300YE
	Std Corner rail 90° - 1C 45° - YE	BR1880-1000-S31CYE	BR1881-1200-S31CYE	BR1881-1750-S31CYE
	Std Corner rail 90° - 2C 45° - YE	BR1880-1000-S32CYE	BR1881-1200-S32CYE	BR1881-1750-S32CYE

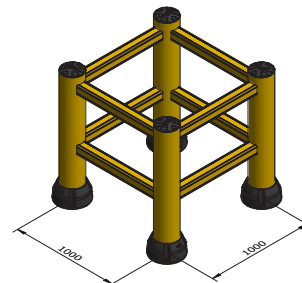
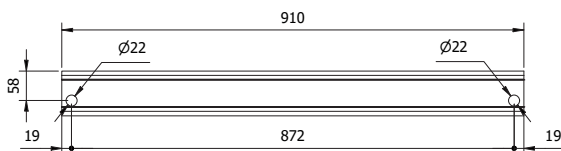
STANDARD RAIL



STANDARD CORNER RAIL 90° - 1 X CORNER



STANDARD CORNER RAIL 90° - 2 X CORNER

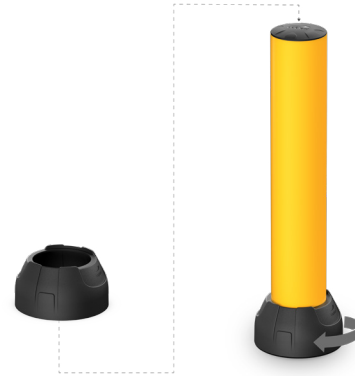
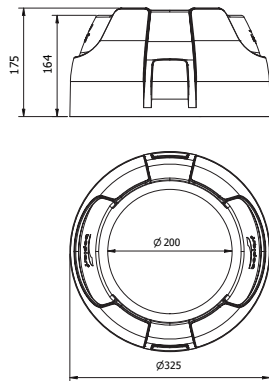


REFERENCE LIST - B0200R

Base Shield (OPTIONAL, NOT INCLUDED)

Ø200 mm

BP2000-0175-0001BL



B0200R with optional Base Shield.

Sleeve (OPTIONAL, NOT INCLUDED)

YELLOW

MULTICOLOUR



1200 mm

BS2250-1005-0001YE

BS2250-1005-0001MC

1000 mm

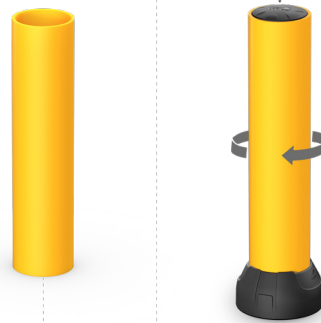
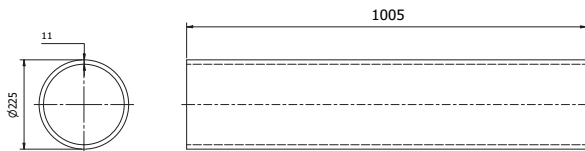
BS2250-0905-0001YE

BS2250-0905-0001MC

750 mm

BS2250-0555-0001YE

BS2250-0555-0001MC



B0200R with optional Sleeve and Base Shield.

REFERENCE LIST - B0200R

STRIPES *			
	Black	White	Yellow
1 STRIPE	PA0300-0200-0001BL	PA0300-0200-0001WH	PA0300-0200-0001YE
2 STRIPES	PA0300-0200-0002BL	PA0300-0200-0002WH	PA0300-0200-0002YE
3 STRIPES	PA0300-0200-0003BL	PA0300-0200-0003WH	PA0300-0200-0003YE
			

* Remark: Stripes cannot be ordered separately

BOLLARD WITH STRIPES INCLUDED			
	Black	White	Yellow
1 STRIPE			
2 STRIPES			
			