

BO IMPACT

BOPLAN

BOLLARD

SPECIFICATION SHEET

Revision: 24 March 2023 10:20 AM
Boplan reference: B02...



PRODUCT SPECIFICATIONS

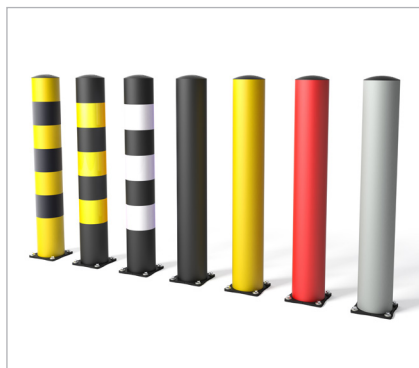
APPLICATION			
Environment	Areas where frequent impact risks occurs Eg: in the vicinity of gates, access ways, corners and machines. A bollard can be used free standing or as an end post in a traffic barrier system.		
Impact performance at 90°	POST: 3200 Joule (Eq. to 2,5 ton - 5,7 km/h)		
MATERIAL			
Tube	Novilene® - UV resistant - Fire class E° - Non conductive - Impervious to most chemicals**		
Caps	SEBS rubber		
COLORS			
Bollard	Standard: Yellow Also available in black, grey and red (multicolor) Also available with stripes		
BASEPLATES			
	Zinc Coated Steel Non - countersunk Zinc Coated Steel COUNTERSUNK Stainless steel Non - countersunk		
Material	Steel 37	Steel 37	Stainless steel 304
Coating	Lacquered + electro plating	Lacquered + electro plating	No lacquer / No coating
Color	Matt black	Matt black	Natural color

*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	Wedge anchor	 Ø18mm (M12) x 130mm	Ø18mm (M12) x 130mm
	Countersunk anchor	 Ø20mm (M12) x 120mm	Ø20mm (M12) x 130mm
ALTERNATIVES	Anchor rod (Chemical)	 M16 x 120mm + Chemical resin	M16 x 120mm + Chemical resin
	Concrete screw	 Ø17mm x 135mm	Not available
	Asphalt anchor	 Bolt M16 x 50mm + Screw Ø22 x 100mm	Not available



FEATURES AND FUNCTIONALITY - BO IMPACT

SIZE	
Height	450 mm 750 mm 1000 mm 1200 mm 2500 mm - 2500mm
Profile section post	Outer tube: Ø200 mm (11 mm thick) Inner profile: 112 mm x 112 mm (10 mm thick) Impact foam (between Outer tube and Inner profile)
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)
Baseplate	230 mm x 230 mm (12 mm thick)

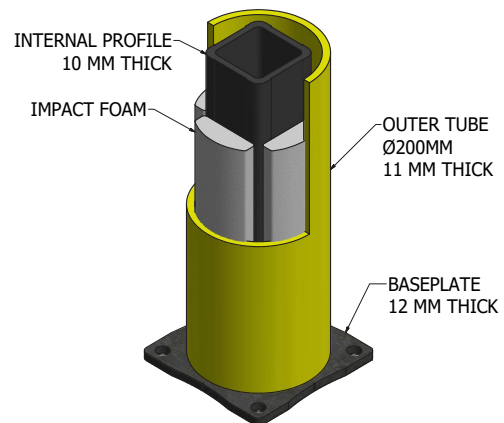
REQUIREMENTS

Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150 mm
Concrete slab dimension around posts (mm)	400 (h) x 400 (w) x 300 (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.

*Bollard with integrated Belt Barrier - Indoor use only

IMPACT LABEL FOR SAFETY BARRIERS	
BOPLAN BO IMPACT	
IMPACT RATING	90° PAS 13:2017 compliant
E80	< 80 kJ
E60	< 60 kJ
E50	< 50 kJ
E40	< 40 kJ
E35	< 35 kJ
E30	< 30 kJ
E25	< 25 kJ
E20	< 20 kJ
E15	< 15 kJ
E10	< 10 kJ
E5	< 5,0 kJ
E2	< 2,5 kJ
3,2 kJ	
TEST CONDITIONS	TEST VEHICLE
TEMPERATURE: 20°C IMPACT HEIGHT: 300 mm IMPACT ANGLE: 90° TEST FLOOR: CONCRETE C25/30 - 160 mm MANUFACTURER ANCHOR PULL OUT: 17 kN	WEIGHT: 2300 KG TYPE: COMMERCIAL FORK LIFT SIZE (L x W x H): 1890 x 1020 x 1970 mm CONTACT AREA: STEEL BUMPER WIDTH: 600 mm
ACCREDITED TEST LABORATORY	
620 Route des Fromentaux 01500 Saint-Maurice-de-Rémens 01360 Beligneux France	
SUCCESS CRITERIA VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) < 0.5	

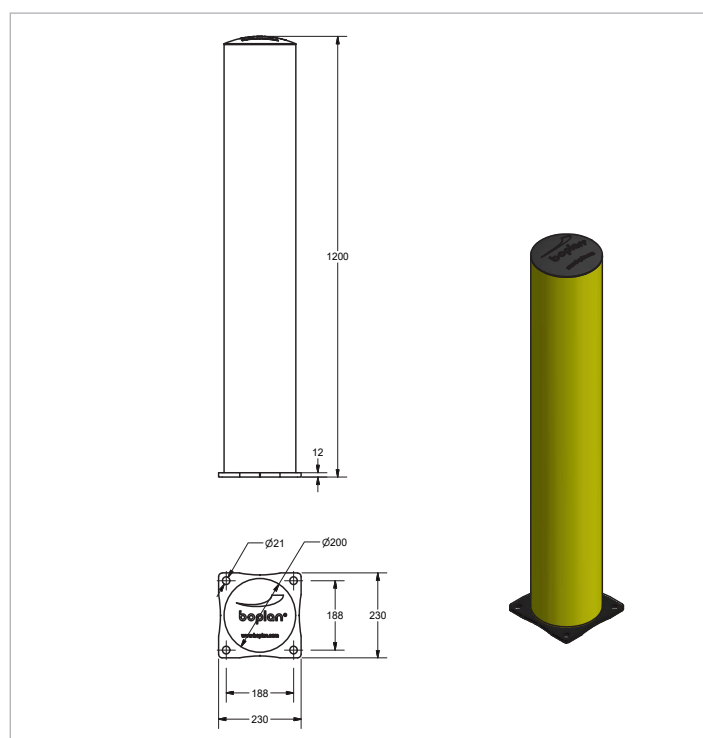
SECTION VIEW BOLLARD



REFERENCE LIST - BO IMPACT

FREE STANDING BOLLARD

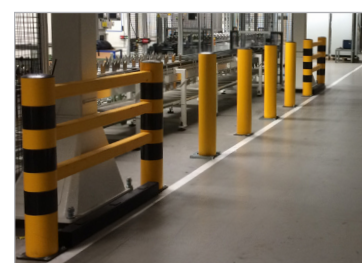
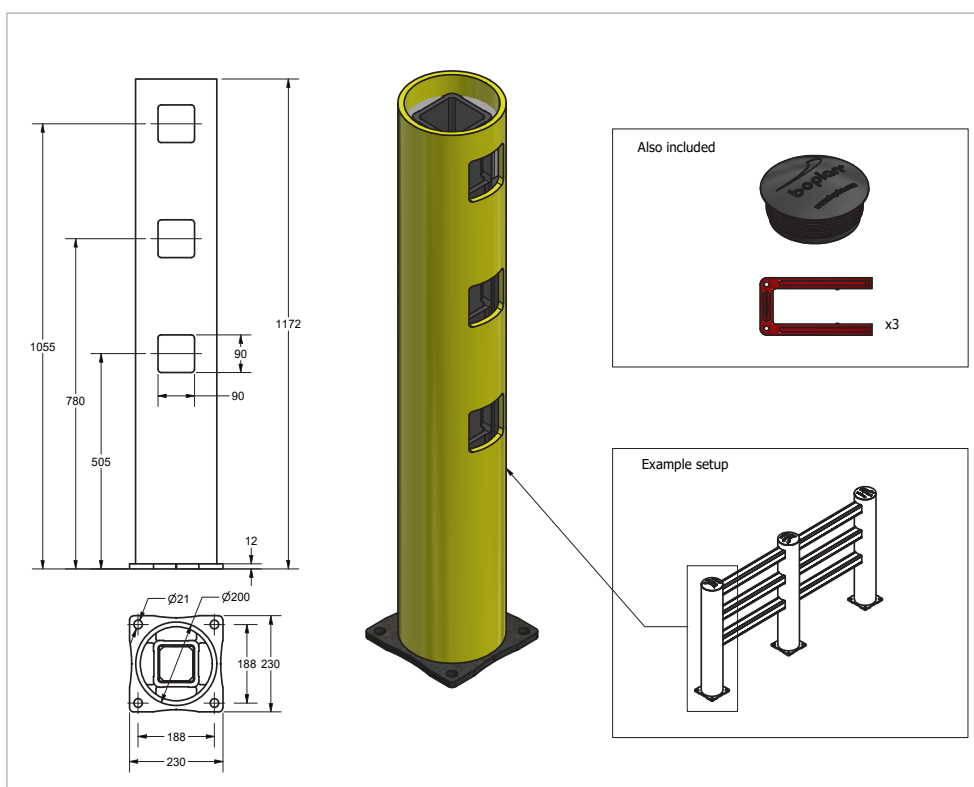
	ZINC COATED (ZC) Non - countersunk		ZINC COATED (ZC) COUNTERSUNK		STAINLESS STEEL (SS) Non - countersunk	
	YELLOW	MULTICOLOR 	YELLOW	MULTICOLOR 	YELLOW	MULTICOLOR 
450 mm	BO2000-0450-0001YEZ	BO2000-0450-0001MCZ	BO2000-0450-0001YEC	BO2000-0450-0001MCC	BO2000-0450-0001YES	BO2000-0450-0001MCS
600 mm	BO2000-0600-0001YEZ	BO2000-0600-0001MCZ	BO2000-0600-0001YEC	BO2000-0600-0001MCC	BO2000-0600-0001YES	BO2000-0600-0001MCS
750 mm	BO2000-0750-0001YEZ	BO2000-0750-0001MCZ	BO2000-0750-0001YEC	BO2000-0750-0001MCC	BO2000-0750-0001YES	BO2000-0750-0001MCS
1000 mm	BO2000-1000-0001YEZ	BO2000-1000-0001MCZ	BO2000-1000-0001YEC	BO2000-1000-0001MCC	BO2000-1000-0001YES	BO2000-1000-0001MCS
1200 mm	<u>BO2000-1200-0001YEZ</u>	BO2000-1200-0001MCZ	BO2000-1200-0001YEC	BO2000-1200-0001MCC	BO2000-1200-0001YES	BO2000-1200-0001MCS
250 - 1200 mm	BO2001-1200-0001YEZ	BO2001-1200-0001MCZ	BO2001-1200-0001YEC	BO2001-1200-0001MCC	BO2001-1200-0001YES	BO2001-1200-0001MCS
1201 - 1525 mm	BO2001-1525-0001YEZ	BO2001-1525-0001MCZ	BO2001-1525-0001YEC	BO2001-1525-0001MCC	BO2001-1525-0001YES	BO2001-1525-0001MCS
1600 - 2000 mm	BO2001-2000-0001YEZ	BO2001-2000-0001MCZ	BO2001-2000-0001YEC	BO2001-2000-0001MCC	BO2001-2000-0001YES	BO2001-2000-0001MCS
2100 - 2500 mm	BO2001-2500-0001YEZ	BO2001-2500-0001MCZ	BO2001-2500-0001YEC	BO2001-2500-0001MCC	BO2001-2500-0001YES	BO2001-2500-0001MCS



REFERENCE LIST - BO IMPACT

BOLLARD ENDPOST (EP) - with rails 88

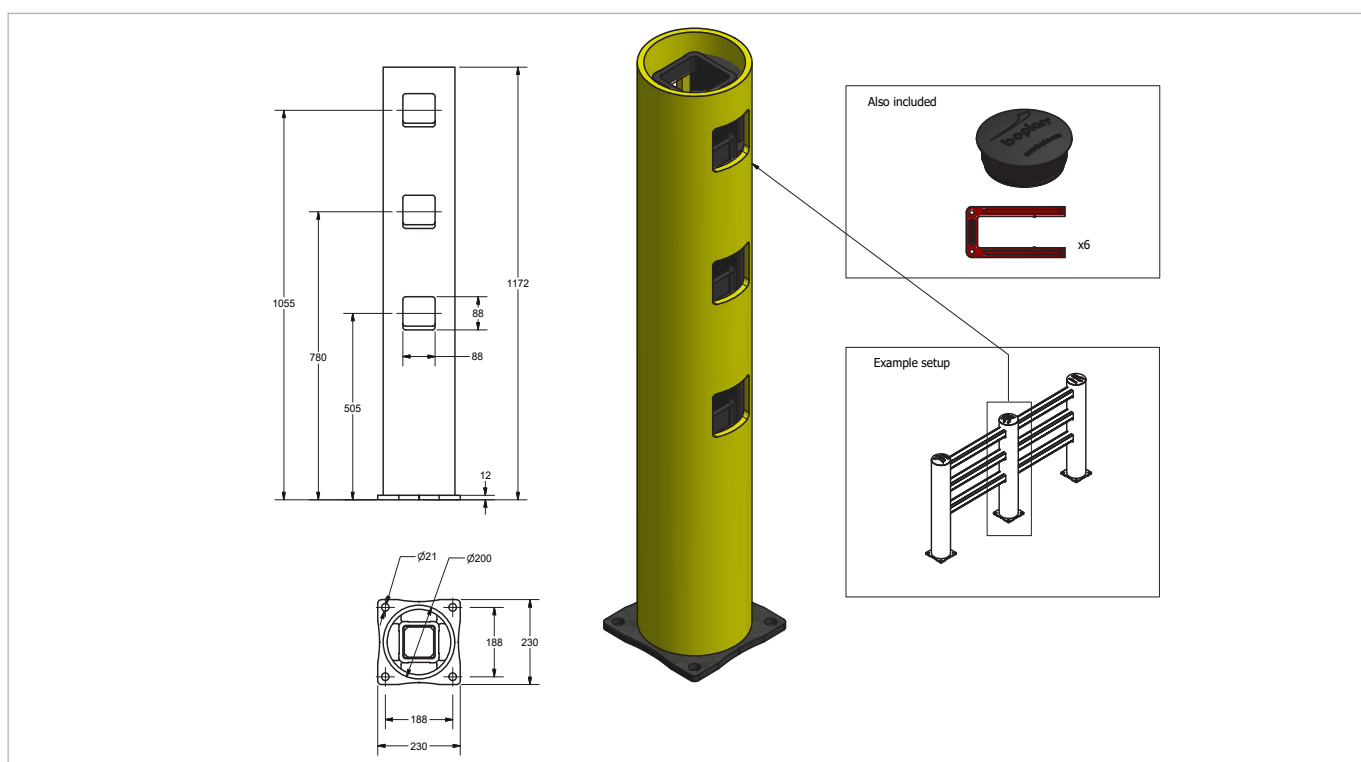
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	YELLOW	MULTICOLOR	YELLOW	MULTICOLOR	YELLOW	MULTICOLOR
2R	1200 mm	BO2000-1200-E208YEZ	BO2000-1200-E208MCZ	BO2000-1200-E208YEC	BO2000-1200-E208MCC	BO2000-1200-E208YES
	1201 - 1525 mm	BO2001-1500-E208YEZ	BO2001-1525-E208MCZ	BO2001-1500-E208YEC	BO2001-1525-E208MCC	BO2001-1500-E208YES
	1600 - 2000 mm	BO2001-2000-E208YEZ	BO2001-2000-E208MCZ	BO2001-2000-E208YEC	BO2001-2000-E208MCC	BO2001-2000-E208YES
	2100 - 2500 mm	BO2001-2500-E208YEZ	BO2001-2500-E208MCZ	BO2001-2500-E208YEC	BO2001-2500-E208MCC	BO2001-2500-E208YES
3R	1200 mm	BO2000-1200-E308YEZ	BO2000-1200-E308MCZ	BO2000-1200-E308YEC	BO2000-1200-E308MCC	BO2000-1200-E308YES
	1201 - 1525 mm	BO2001-1500-E308YEZ	BO2001-1525-E308MCZ	BO2001-1500-E308YEC	BO2001-1525-E308MCC	BO2001-1500-E308YES
	1600 - 2000 mm	BO2001-2000-E308YEZ	BO2001-2000-E308MCZ	BO2001-2000-E308YEC	BO2001-2000-E308MCC	BO2001-2000-E308YES
	2100 - 2500 mm	BO2001-2500-E308YEZ	BO2001-2500-E308MCZ	BO2001-2500-E308YEC	BO2001-2500-E308MCC	BO2001-2500-E308YES



REFERENCE LIST - BO IMPACT

BOLLARD MIDPOST (MP) - with rails 88

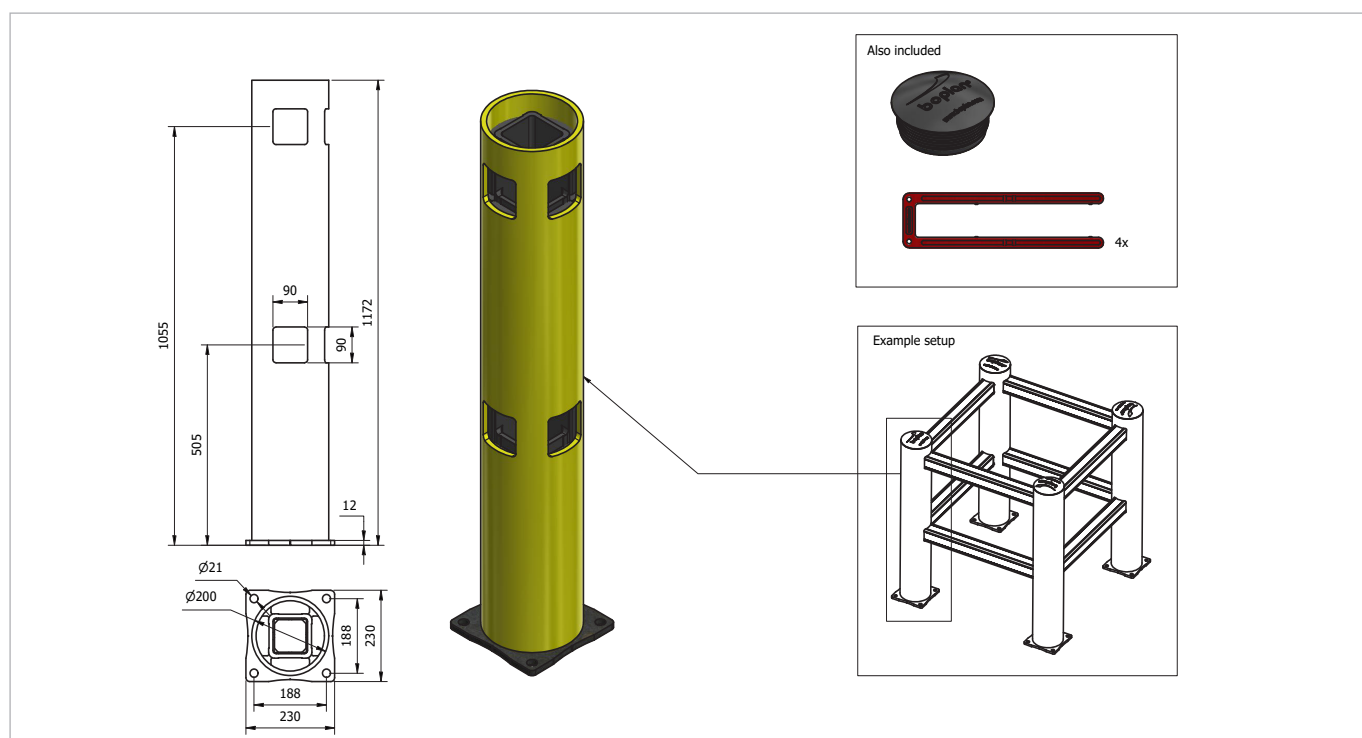
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	YELLOW	MULTICOLOR	YELLOW	MULTICOLOR	YELLOW	MULTICOLOR
2R	1200 mm	BO2000-1200-M208YEZ	BO2000-1200-M208MCZ	BO2000-1200-M208YEC	BO2000-1200-M208MCC	BO2000-1200-M208YES
	1201 - 1525 mm	BO2001-1500-M208YEZ	BO2001-1525-M208MCZ	BO2001-1500-M208YEC	BO2001-1525-M208MCC	BO2001-1500-M208YES
	1600 - 2000 mm	BO2001-2000-M208YEZ	BO2001-2000-M208MCZ	BO2001-2000-M208YEC	BO2001-2000-M208MCC	BO2001-2000-M208YES
	2100 - 2500 mm	BO2001-2500-M208YEZ	BO2001-2500-M208MCZ	BO2001-2500-M208YEC	BO2001-2500-M208MCC	BO2001-2500-M208YES
3R	1200 mm	BO2000-1200-M308YEZ	BO2000-1200-M308MCZ	BO2000-1200-M308YEC	BO2000-1200-M308MCC	BO2000-1200-M308YES
	1201 - 1525 mm	BO2001-1500-M308YEZ	BO2001-1525-M308MCZ	BO2001-1500-M308YEC	BO2001-1525-M308MCC	BO2001-1500-M308YES
	1600 - 2000 mm	BO2001-2000-M308YEZ	BO2001-2000-M308MCZ	BO2001-2000-M308YEC	BO2001-2000-M308MCC	BO2001-2000-M308YES
	2100 - 2500 mm	BO2001-2500-M308YEZ	BO2001-2500-M308MCZ	BO2001-2500-M308YEC	BO2001-2500-M308MCC	BO2001-2500-M308YES



REFERENCE LIST - BO IMPACT

BOLLARD CORNER POST 90° (CP) - with rails 88

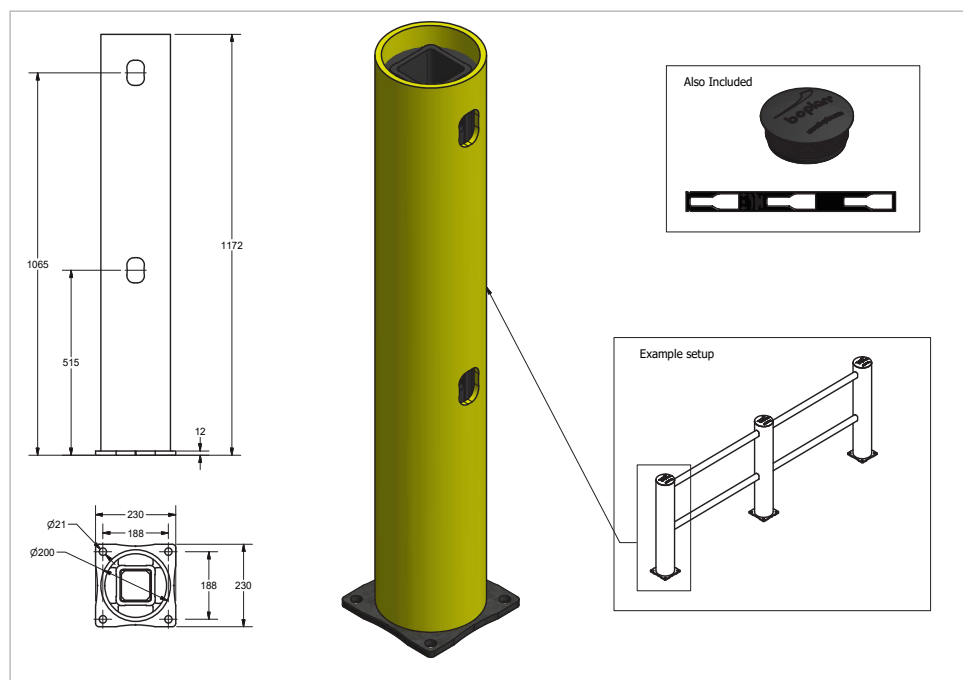
		ZINC COATED (ZC) Non - countersunk		ZINC COATED (ZC) COUNTERSUNK		STAINLESS STEEL (SS) Non - countersunk	
		YELLOW	MULTICOLOR	YELLOW	MULTICOLOR	YELLOW	MULTICOLOR
2R	1200 mm	B02000-1200-C298YEZ	B02000-1200-C298MCZ	B02000-1200-C298YEC	B02000-1200-C298MCC	B02000-1200-C298YES	B02000-1200-C298MCS
	1201 - 1525 mm	B02001-1500-C298YEZ	B02001-1525-C298MCZ	B02001-1500-C298YEC	B02001-1525-C298MCC	B02001-1500-C298YES	B02001-1525-C298MCS
	1600 - 2000 mm	B02001-2000-C298YEZ	B02001-2000-C298MCZ	B02001-2000-C298YEC	B02001-2000-C298MCC	B02001-2000-C298YES	B02001-2000-C298MCS
	2100 - 2500 mm	B02001-2500-C298YEZ	B02001-2500-C298MCZ	B02001-2500-C298YEC	B02001-2500-C298MCC	B02001-2500-C298YES	B02001-2500-C298MCS
3R	1200 mm	B02000-1200-C398YEZ	B02000-1200-C398MCZ	B02000-1200-C398YEC	B02000-1200-C398MCC	B02000-1200-C398YES	B02000-1200-C398MCS
	1201 - 1525 mm	B02001-1500-C398YEZ	B02001-1525-C398MCZ	B02001-1500-C398YEC	B02001-1525-C398MCC	B02001-1500-C398YES	B02001-1525-C398MCS
	1600 - 2000 mm	B02001-2000-C398YEZ	B02001-2000-C398MCZ	B02001-2000-C398YEC	B02001-2000-C398MCC	B02001-2000-C398YES	B02001-2000-C398MCS
	2100 - 2500 mm	B02001-2500-C398YEZ	B02001-2500-C398MCZ	B02001-2500-C398YEC	B02001-2500-C398MCC	B02001-2500-C398YES	B02001-2500-C398MCS



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BOLLARD ENDPOST (EP) - with handrails R50

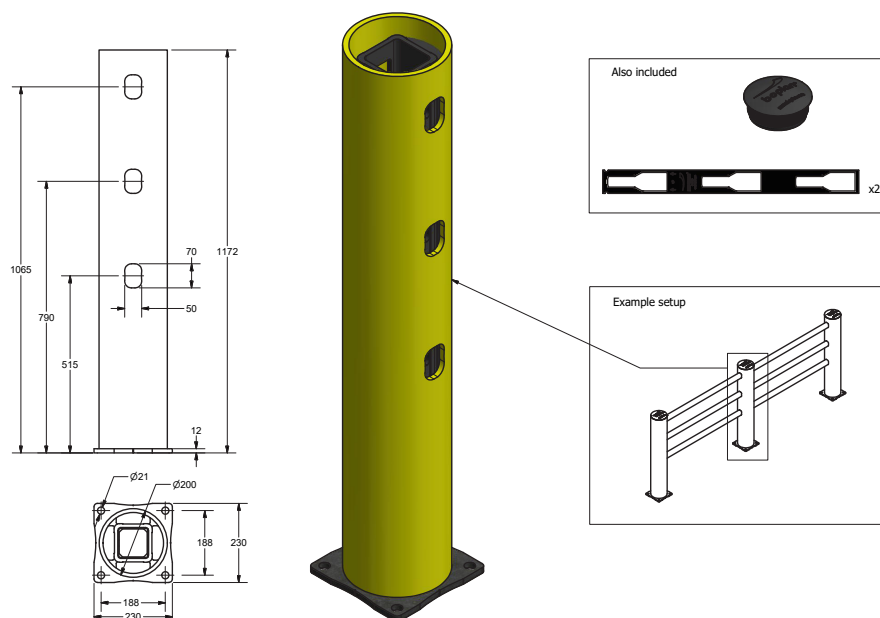
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		YELLOW	MULTICOLOR	YELLOW	MULTICOLOR	YELLOW	MULTICOLOR
HP	2R	1200 mm	BO2000-1200-E205HYEZ	BO2000-1200-E205HMCZ	BO2000-1200-E205HYEC	BO2000-1200-E205HMCC	BO2000-1200-E205HMC
		1201 - 1525 mm	BO2001-1525-E205HYEZ	BO2001-1525-E205HMCZ	BO2001-1525-E205HYEC	BO2001-1525-E205HMCC	BO2001-1525-E205HMC
		1600 - 2000 mm	BO2001-2000-E205HYEZ	BO2001-2000-E205HMCZ	BO2001-2000-E205HYEC	BO2001-2000-E205HMCC	BO2001-2000-E205HMC
		2100 - 2500 mm	BO2001-2500-E205HYEZ	BO2001-2500-E205HMCZ	BO2001-2500-E205HYEC	BO2001-2500-E205HMCC	BO2001-2500-E205HMC
	3R	1200 mm	BO2000-1200-E305YEZ	BO2000-1200-E305MCZ	BO2000-1200-E305YEC	BO2000-1200-E305MCC	BO2000-1200-E305MCS
		1201 - 1525 mm	BO2001-1500-E305YEZ	BO2001-1525-E305MCZ	BO2001-1500-E305YEC	BO2001-1525-E305MCC	BO2001-1525-E305MCS
		1600 - 2000 mm	BO2001-2000-E305YEZ	BO2001-2000-E305MCZ	BO2001-2000-E305YEC	BO2001-2000-E305MCC	BO2001-2000-E305MCS
		2100 - 2500 mm	BO2001-2500-E305YEZ	BO2001-2500-E305MCZ	BO2001-2500-E305YEC	BO2001-2500-E305MCC	BO2001-2500-E305MCS
TB	2R	1200 mm	BO2000-1200-E205TYEZ	BO2000-1200-E205TMCZ	BO2000-1200-E205TYEC	BO2000-1200-E205TMCC	BO2000-1200-E205TMC
		1201 - 1525 mm	BO2001-1500-E205TYEZ	BO2001-1500-E205TMCZ	BO2001-1500-E205TYEC	BO2001-1500-E205TMCC	BO2001-1500-E205TMC
		1600 - 2000 mm	BO2001-2000-E205TYEZ	BO2001-2000-E205TMCZ	BO2001-2000-E205TYEC	BO2001-2000-E205TMCC	BO2001-2000-E205TMC
		2100 - 2500 mm	BO2001-2500-E205TYEZ	BO2001-2500-E205TMCZ	BO2001-2500-E205TYEC	BO2001-2500-E205TMCC	BO2001-2500-E205TMC



REFERENCE LIST - BO IMPACT

BOLLARD MIDPOST (MP) - with handrails R50

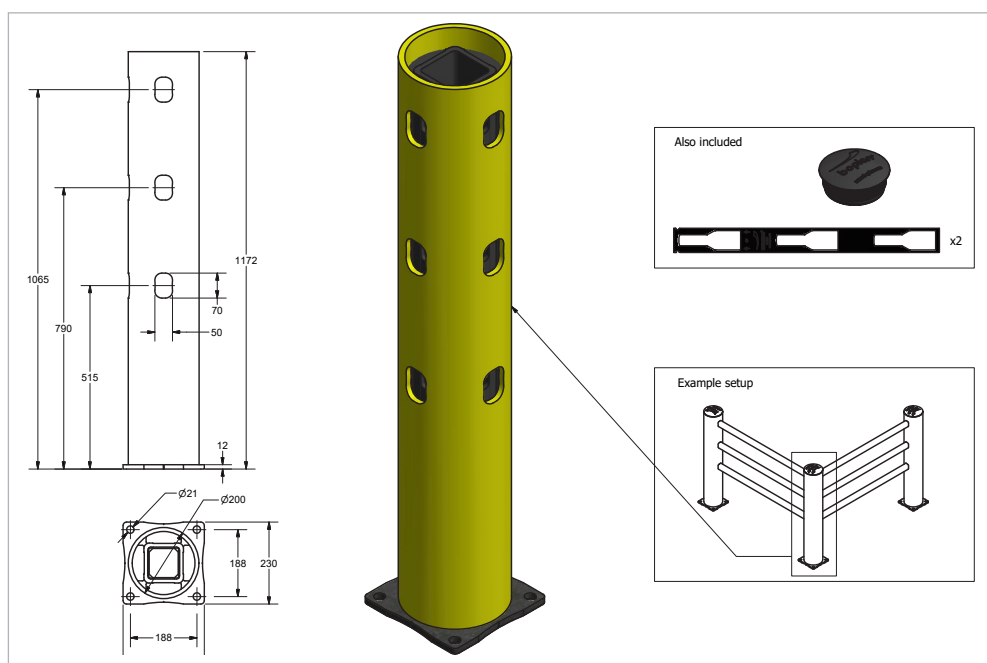
		ZINC COATED (ZC) Non - countersunk		ZINC COATED (ZC) COUNTERSUNK		STAINLESS STEEL (SS) Non - countersunk	
		YELLOW	MULTICOLOR	YELLOW	MULTICOLOR	YELLOW	MULTICOLOR
HP	2R	1200 mm	BO2000-1200-M205HYEZ	BO2000-1200-M205HMCZ	BO2000-1200-M205HYEC	BO2000-1200-M205HMC	BO2000-1200-M205HMC
		1201 - 1525 mm	BO2001-1525-M205HYEZ	BO2001-1525-M205HMCZ	BO2001-1525-M205HYEC	BO2001-1525-M205HMC	BO2001-1525-M205HMC
		1600 - 2000 mm	BO2001-2000-M205HYEZ	BO2001-2000-M205HMCZ	BO2001-2000-M205HYEC	BO2001-2000-M205HMC	BO2001-2000-M205HMC
		2100 - 2500 mm	BO2001-2500-M205HYEZ	BO2001-2500-M205HMCZ	BO2001-2500-M205HYEC	BO2001-2500-M205HMC	BO2001-2500-M205HMC
	3R	1200 mm	BO2000-1200-M305YEZ	BO2000-1200-M305MCZ	BO2000-1200-M305YEC	BO2000-1200-M305MCC	BO2000-1200-M305MCS
		1201 - 1525 mm	BO2001-1500-M305YEZ	BO2001-1525-M305MCZ	BO2001-1500-M305YEC	BO2001-1525-M305MCC	BO2001-1525-M305MCS
		1600 - 2000 mm	BO2001-2000-M305YEZ	BO2001-2000-M305MCZ	BO2001-2000-M305YEC	BO2001-2000-M305MCC	BO2001-2000-M305MCS
		2100 - 2500 mm	BO2001-2500-M305YEZ	BO2001-2500-M305MCZ	BO2001-2500-M305YEC	BO2001-2500-M305MCC	BO2001-2500-M305MCS
TB	2R	1200 mm	BO2000-1200-M205TYEZ	BO2000-1200-M205TMCZ	BO2000-1200-M205TYEC	BO2000-1200-M205TMCC	BO2000-1200-M205TMCS
		1201 - 1525 mm	BO2001-1500-M205TYEZ	BO2001-1500-M205TMCZ	BO2001-1500-M205TYEC	BO2001-1500-M205TMCC	BO2001-1500-M205TMCS
		1600 - 2000 mm	BO2001-2000-M205TYEZ	BO2001-2000-M205TMCZ	BO2001-2000-M205TYEC	BO2001-2000-M205TMCC	BO2001-2000-M205TMCS
		2100 - 2500 mm	BO2001-2500-M205TYEZ	BO2001-2500-M205TMCZ	BO2001-2500-M205TYEC	BO2001-2500-M205TMCC	BO2001-2500-M205TMCS



REFERENCE LIST - BO IMPACT

BOLLARD CORNER POST 90° (CP) - with handrails R50

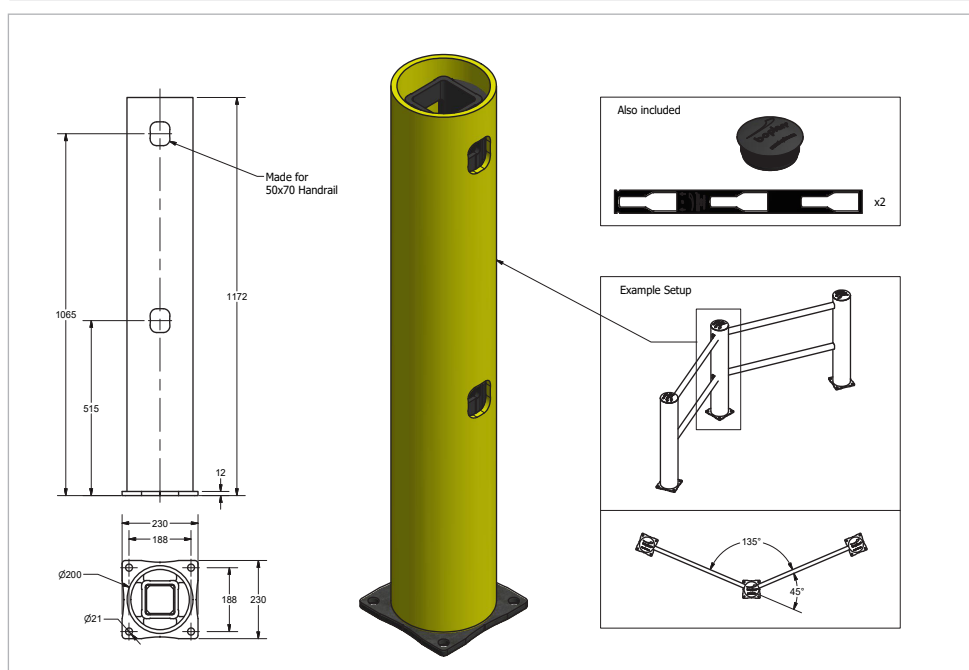
		ZINC COATED (ZC) Non - countersunk		ZINC COATED (ZC) COUNTERSUNK		STAINLESS STEEL (SS) Non - countersunk	
		YELLOW	MULTICOLOR	YELLOW	MULTICOLOR	YELLOW	MULTICOLOR
HP	2R	1200 mm	BO2000-1200-C295HYEZ	BO2000-1200-C295HMCZ	BO2000-1200-C295HYEC	BO2000-1200-C295HMCC	BO2000-1200-C295HMC
		1201 - 1525 mm	BO2001-1525-C295HYEZ	BO2001-1525-C295HMCZ	BO2001-1525-C295HYEC	BO2001-1525-C295HMCC	BO2001-1525-C295HMC
		1600 - 2000 mm	BO2001-2000-C295HYEZ	BO2001-2000-C295HMCZ	BO2001-2000-C295HYEC	BO2001-2000-C295HMCC	BO2001-2000-C295HMC
		2100 - 2500 mm	BO2001-2500-C295HYEZ	BO2001-2500-C295HMCZ	BO2001-2500-C295HYEC	BO2001-2500-C295HMCC	BO2001-2500-C295HMC
	3R	1200 mm	BO2000-1200-C395YEZ	BO2000-1200-C395MCZ	BO2000-1200-C395YEC	BO2000-1200-C395MCC	BO2000-1200-C395MCS
		1201 - 1525 mm	BO2001-1500-C395YEZ	BO2001-1525-C395MCZ	BO2001-1500-C395YEC	BO2001-1525-C395MCC	BO2001-1525-C395MCS
		1600 - 2000 mm	BO2001-2000-C395YEZ	BO2001-2000-C395MCZ	BO2001-2000-C395YEC	BO2001-2000-C395MCC	BO2001-2000-C395MCS
		2100 - 2500 mm	BO2001-2500-C395YEZ	BO2001-2500-C395MCZ	BO2001-2500-C395YEC	BO2001-2500-C395MCC	BO2001-2500-C395MCS
TB	2R	1200 mm	BO2000-1200-C295TYEZ	BO2000-1200-C295TMCZ	BO2000-1200-C295TYEC	BO2000-1200-C295TMCC	BO2000-1200-C295TMC
		1201 - 1525 mm	BO2001-1500-C295TYEZ	BO2001-1500-C295TMCZ	BO2001-1500-C295TYEC	BO2001-1500-C295TMCC	BO2001-1500-C295TMC
		1600 - 2000 mm	BO2001-2000-C295TYEZ	BO2001-2000-C295TMCZ	BO2001-2000-C295TYEC	BO2001-2000-C295TMCC	BO2001-2000-C295TMC
		2100 - 2500 mm	BO2001-2500-C295TYEZ	BO2001-2500-C295TMCZ	BO2001-2500-C295TYEC	BO2001-2500-C295TMCC	BO2001-2500-C295TMC



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BOLLARD CORNER POST 45° (CP) - with handrails R50

		ZINC COATED (ZC) Non - countersunk		ZINC COATED (ZC) COUNTERSUNK		STAINLESS STEEL (SS) Non - countersunk	
		YELLOW	MULTICOLOR	YELLOW	MULTICOLOR	YELLOW	MULTICOLOR
HP	2R	1200 mm	BO2000-1200-C245HYEZ	BO2000-1200-C245HMCZ	BO2000-1200-C245HYEC	BO2000-1200-C245HMCC	BO2000-1200-C245HMC
		1201 - 1525 mm	BO2001-1525-C245HYEZ	BO2001-1525-C245HMCZ	BO2001-1525-C245HYEC	BO2001-1525-C245HMCC	BO2001-1525-C245HMC
		1600 - 2000 mm	BO2001-2000-C245HYEZ	BO2001-2000-C245HMCZ	BO2001-2000-C245HYEC	BO2001-2000-C245HMCC	BO2001-2000-C245HMC
		2100 - 2500 mm	BO2001-2500-C245HYEZ	BO2001-2500-C245HMCZ	BO2001-2500-C245HYEC	BO2001-2500-C245HMCC	BO2001-2500-C245HMC
	3R	1200 mm	BO2000-1200-C345YEZ	BO2000-1200-C345MCZ	BO2000-1200-C345YEC	BO2000-1200-C345MCC	BO2000-1200-C345MCS
		1201 - 1525 mm	BO2001-1500-C345YEZ	BO2001-1525-C345MCZ	BO2001-1500-C345YEC	BO2001-1525-C345MCC	BO2001-1525-C345MCS
		1600 - 2000 mm	BO2001-2000-C345YEZ	BO2001-2000-C345MCZ	BO2001-2000-C345YEC	BO2001-2000-C345MCC	BO2001-2000-C345MCS
		2100 - 2500 mm	BO2001-2500-C345YEZ	BO2001-2500-C345MCZ	BO2001-2500-C345YEC	BO2001-2500-C345MCC	BO2001-2500-C345MCS
TB	2R	1200 mm	BO2000-1200-C245TYEZ	BO2000-1200-C245TMCZ	BO2000-1200-C245TYEC	BO2000-1200-C245TMCC	BO2000-1200-C245TMC
		1201 - 1525 mm	BO2001-1500-C245TYEZ	BO2001-1500-C245TMCZ	BO2001-1500-C245TYEC	BO2001-1500-C245TMCC	BO2001-1500-C245TMC
		1600 - 2000 mm	BO2001-2000-C245TYEZ	BO2001-2000-C245TMCZ	BO2001-2000-C245TYEC	BO2001-2000-C245TMCC	BO2001-2000-C245TMC
		2100 - 2500 mm	BO2001-2500-C245TYEZ	BO2001-2500-C245TMCZ	BO2001-2500-C245TYEC	BO2001-2500-C245TMCC	BO2001-2500-C245TMC

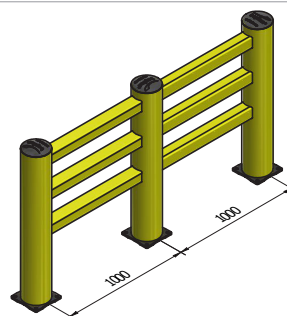
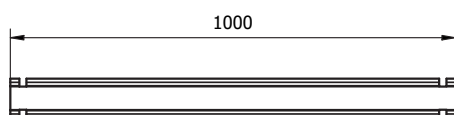


REFERENCE LIST - BO IMPACT

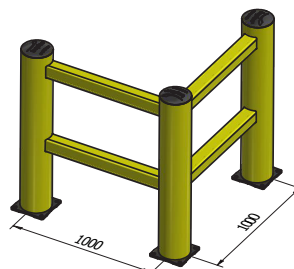
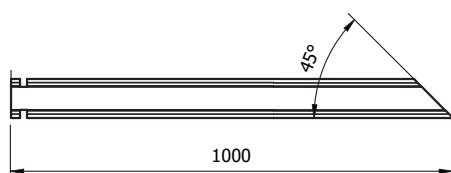
BOLLARD RAILS (R88)

		1000 mm	300-1200 mm	1201-1750 mm
2R (R88)	Std rail - YE	BR0880-1000-S200YE	BR0881-1200-S200YE	BR0881-1750-S200YE
	Std Corner rail 90° - 1C 45° - YE	BR0880-1000-S21CYE	BR0881-1200-S21CYE	BR0881-1750-S21CYE
	Std Corner rail 90° - 2C 45° - YE	BR0880-1000-S22CYE	BR0881-1200-S22CYE	BR0881-1750-S22CYE
3R (R88)	Std rail - YE	BR0880-1000-S300YE	BR0881-1200-S300YE	BR0881-1750-S300YE
	Std Corner rail 90° - 1C 45° - YE	BR0880-1000-S31CYE	BR0881-1200-S31CYE	BR0881-1750-S31CYE
	Std Corner rail 90° - 2C 45° - YE	BR0880-1000-S32CYE	BR0881-1200-S32CYE	BR0881-1750-S32CYE

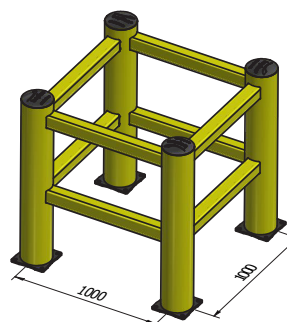
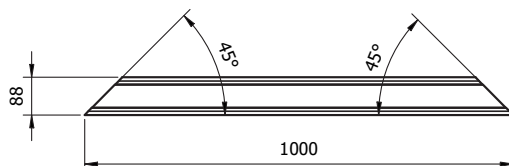
STANDARD RAIL



STANDARD CORNER RAIL 90° - 1 X 45°



STANDARD CORNER RAIL 90° - 2 X 45°



REFERENCE LIST - BO IMPACT

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			
3 STRIPES	BO2000-1200-3YEBLZ		
			

