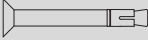


RE RACK END BOPLAN RACK PROTECTOR SPECIFICATION SHEET

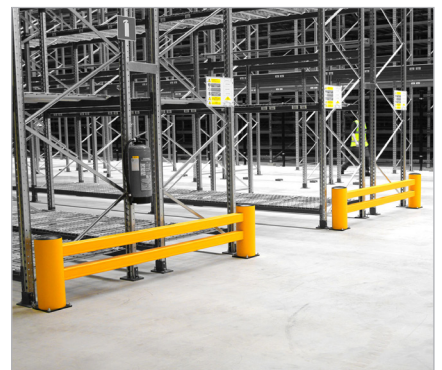
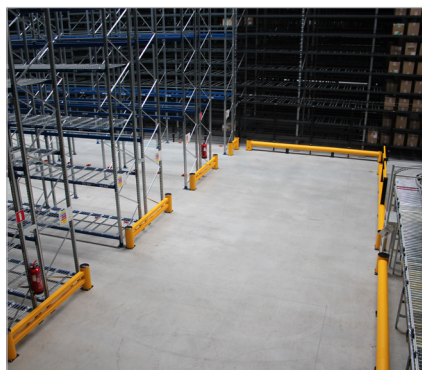
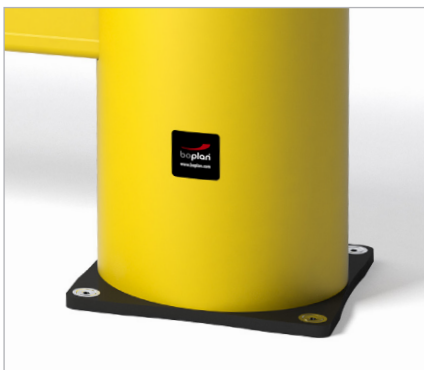
Revision: 3 December 2018 3:59 PM
Boplan reference: RE200 ...



PRODUCT SPECIFICATIONS

APPLICATION			
Environment	The RE Rack End is the optimal protection for your rack ends, with the two bollards offering optimal protection to your corner uprights. Driving over the chamfered fixations does not damage them.		
Advisory speed	4.0 km/h	For gross weight vehicle of 2500 kg	
	3.0 km/h	For gross weight vehicle of 5000 kg	
MATERIAL			
	Polyolefin - UV resistant - Fire class HB* - Non conductive - Impervious to most chemical products**		
STANDARD COLORS			
Rails	Yellow		
Posts	Yellow		
BASEPLATES			
	Steel (CHF)	Zinc Coated Steel (CHF)	Stainless steel (CHF)
Material	Steel 37	Steel 37	INOX (RVS 304)
Coating	Lacquered	Lacquered + electro plating	No lacquer / No coating
Color	High gloss black	Matt black	Natural color
FIXATIONS			
	ZINC COATED (CHF)		INOX (CHF)
 CHAMFERED HEAD EXPANSION ANCHOR	Length = 90 mm Size = M8 Drill hole diameter = 12 mm Max load (pull out) = 3.6 kN		Length = 110 mm Size = M8 Drill hole diameter = 12 mm Max load (pull out) = 4.3 kN

*Fire class HB = Slow burning; classification according to UL94: US Standard for Safety of Flammability of Plastics
**Ask your local sales office for resistance to specific chemicals.



FEATURES AND FUNCTIONALITY - RACK END

SIZE		
Height end posts	530 mm	
Height mid post	510 mm	
Profile section rails	88 mm x 88 mm (7.5mm thick)	
Profile section end posts	Outer tube: Ø200 mm (11 mm thick) Inner profile: 112 mm x 112 mm (10 mm thick)	
Profile section mid posts	Profile: 112 mm x 112 mm (10 mm thick)	
Standard rail length	2200 mm (variable: 750mm - 3200mm)	
Baseplates	End Post: 210 mm x 210 mm (10 mm thick) Mid Post: 180 mm x 180 mm (10 mm thick)	
IMPACT PERFORMANCE		
Test conditions	Ambient temperature	20 °C
	Length	2000 mm
90° impact	Vehicle weight	2500 kg
	Floor	Industrial concrete
45° impact	Success criteria	Vehicle stopped by barrier
	Maximum impact on post	3000 Joule (EP)
	Maximum impact on rails	8500 Joule
	Maximum impact on tube	12000 Joule

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150 mm
Concrete slab dimension around posts (mm)	500 (h) x 500 (w) x 400 (d)
Rack ends longer than 2500 mm	Add a rail support post
Operational temperature	-10°C up to +40°C
Water and humidity	Steel (standard): dry indoor use only. Zinc coated: outdoor use in most environments. RVS: outdoor use or frequent exposure to water and humidity.



S = Stainless steel (=inox = RVS)
 Z = Zinc coated (=galvanized)
 C = chamfered
 YE = Yellow



REFERENCE LIST - RACK END

RACK END POST BO 200		
End post End post - Stainless steel End post - Zinc coated	RE2009-0001-EPYE RE2009-0001-EPYES RE2009-0001-EPYEZ	
Mid post Mid post - Stainless steel Mid post - Zinc coated	RE2009-0001-MPYE RE2009-0001-MPYES RE2009-0001-MPYEZ	
RACK END ROTOR POST BO 200		
End post End post - Stainless steel End post - Zinc coated	RE2009-0001-EPRYE RE2009-0001-EPRYES RE2009-0001-EPRYEZ	
Mid post Mid post - Stainless steel Mid post - Zinc coated	RE2009-0001-MPRYE RE2009-0001-MPRYES RE2009-0001-MPRYEZ	
RACK END RAIL SUPPORT		
Post Post - Stainless steel Post - Zinc coated	RE2009-0001-SPBL RE2009-0001-SPBLS RE2009-0001-SPBLZ	

RAIL SETS		
	Rail length	Reference
Rail set (2pcs) - YE	750mm - 1350mm	RE2009-1350-S200YE
Rail set (2pcs) - YE	1351mm - 1800mm	RE2009-1800-S200YE
Rail set (2pcs) - YE	1801mm - 2500mm	RE2009-2500-S200YE
Rail set (2pcs) - YE	2501mm - 3200mm	RE2009-3200-S200YE

S = Stainless steel (=inox = RVS)
 Z = Zinc coated (=galvanized)
 C = chamfered
 YE = Yellow



REFERENCE LIST - RACK END

TOTAL LENGTH	BASEPLATE	RACK END BOLLARD (YELLOW)	RACK END BOLLARD WITH ROTOR (YELLOW)
2200mm	steel SS ZC	RE2000-2200-0001YE RE2000-2200-0001YES RE2000-2200-0001YEZ	RE2000-2200-R001YE RE2000-2200-R001YES RE2000-2200-R001YEZ
750mm - 1350mm	steel SS ZC	RE2001-1350-0001YE RE2001-1350-0001YES RE2001-1350-0001YEZ	RE2001-1350-R001YE RE2001-1350-R001YES RE2001-1350-R001YEZ
1351mm - 1800mm	steel SS ZC	RE2001-1800-0001YE RE2001-1800-0001YES RE2001-1800-0001YEZ	RE2001-1800-R001YE RE2001-1800-R001YES RE2001-1800-R001YEZ
1801mm - 2500mm	steel SS ZC	RE2001-2500-0001YE RE2001-2500-0001YES RE2001-2500-0001YEZ	RE2001-2500-R001YE RE2001-2500-R001YES RE2001-2500-R001YEZ

LENGTH	BASEPLATE	RACK END BOLLARD (YELLOW)	RACK END BOLLARD WITH ROTOR (YELLOW)
2501mm - 3200mm INCLUDING RAIL SUPPORT	steel SS ZC	RE2001-3200-0001YE RE2001-3200-0001YES RE2001-3200-0001YEZ	RE2001-3200-R001YE RE2001-3200-R001YES RE2001-3200-R001YEZ