TB 260 GRILL BARRIER

SAFETY BARRIERS

PRODUCT SPECIFICATIONS

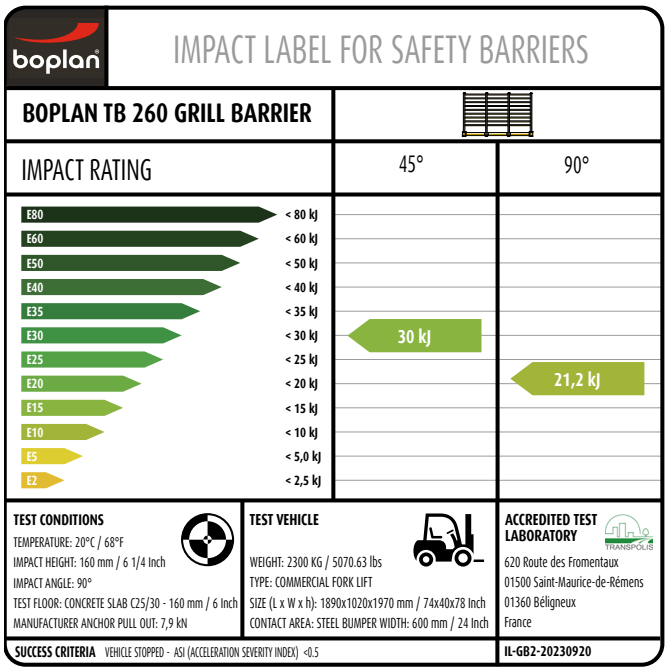
APPLICATION	
Environment	Single tube traffic barrier protects people against the impact of forklifts and falling goods. Intended for indoor use.
Impact performance at 90°	POST: 12000 Joule (Eq. to 5ton - 7.9 km/h)
	RAIL: 21200 Joule (Eq. to 5ton - 10.5 km/h)
MATERIAL	
Posts and rails	Extrilene® - UV resistant - Fire class E* - Non conductive - Impervious to most chemicals**
Caps	Sustainable elastomer
STANDARD COLOURS	
End post	Black RAL 9005
Mid post	Black RAL 9005
Impact tube	Yellow RAL 1003
Handrails	Yellow RAL 1003
BASEPLATES	
	Steel
Material	Steel 37
Coating	Lacquered
Colour	High gloss black

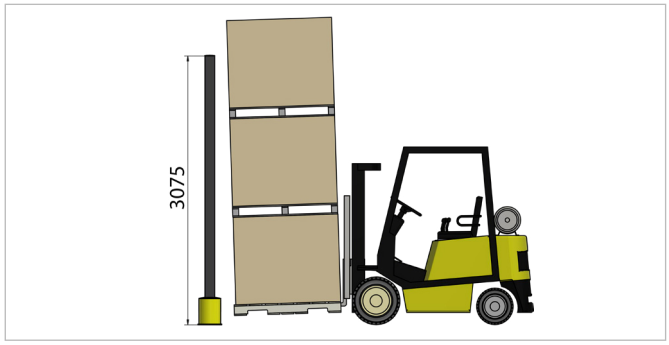
*Classification according to EN 13501-1:2007 +A1:2009 - Fire classification of construction products and building elements.
**Ask your local sales office for resistance to specific chemicals.

FIXATIONS			ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Wedge anchor		M12 x 120mm	Not available
ALTERNATIVES	Anchor rod (Chemical)		M12 x 120mm + Chemical resin	Not available
	Asphalt anchor		Bolt M10 x 40mm + Screw Ø16mm	Not available

FEATURES AND FUNCTIONALITY - TB 260 GRILL BARRIER

SIZE	
Height end posts	maximum 3075 mm
Height mid post	maximum 3075 mm
Profile section tubes	Ø200 mm (11 mm thick)
Profile section handrails	50 mm x 70 mm (6 mm thick)
Profile section end posts	Outer tube: Ø250 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 (cc)	1350mm (center - center 1600mm)
Baseplate	End Post: 275 mm x 275 mm x (10 mm thick) Mid Post: 180 mm x 180 mm x (10 mm thick)

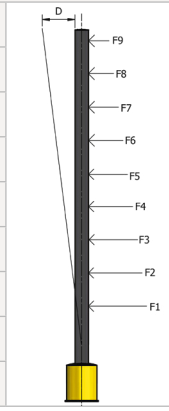




REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150 mm
Concrete slab dimension around posts (mm)	600 (h) x 600 (w) x 300 (d)
Operational temperature	-10°C up to +40°C
Water and humidity	**Steel** (standard): dry indoor use only.

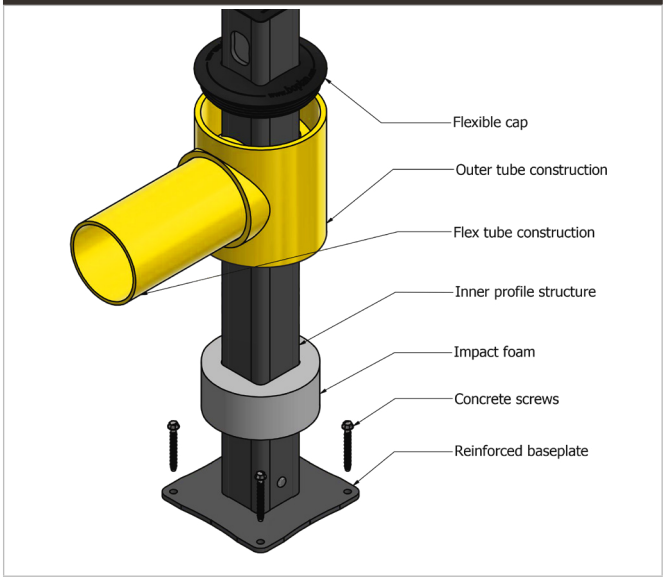
HOLDING POWER

	Force*	Deflection**
3075mm - 9R	F9 = 2600 N	825 mm
2800mm - 8R	F8 = 2900 N	780 mm
2525mm - 7R	F7 = 3300 N	730 mm
2250mm - 6R	F6 = 3800 N	665 mm
1975mm - 5R	F5 = 4500 N	585 mm
1700mm - 4R	F4 = 5600 N	505 mm
1425mm - 3R	F3 = 7300 N	405 mm
1150mm - 2R	F2 = 10800 N	300 mm
875mm - 1R	F1 = 19500 N	175 mm



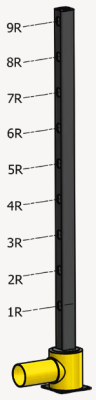
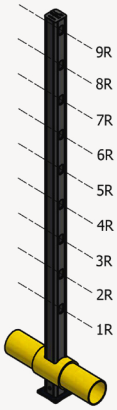
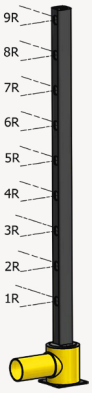
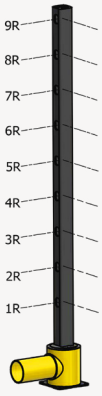
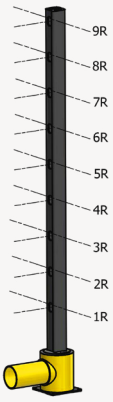
* Force acting on the center of the hand rails (between posts)
** Deflection (D) measuread on top side.

EXPLODED VIEW

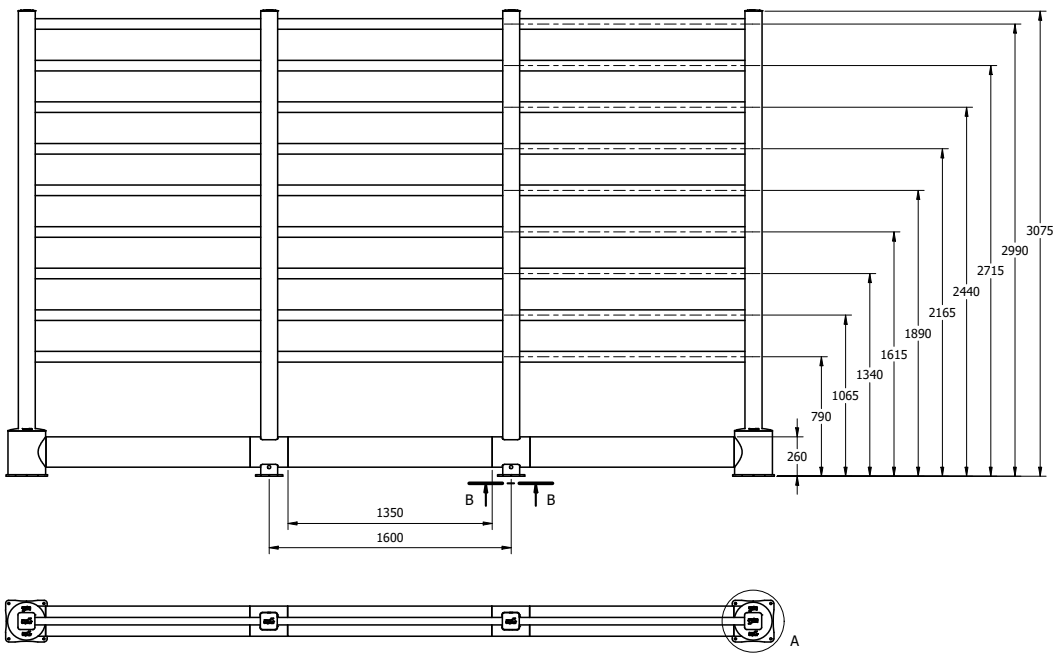
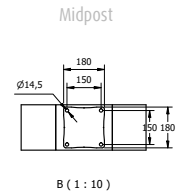
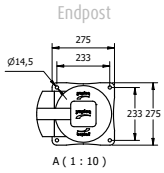


REFERENCE LIST - TB 260 GRILL BARRIER

POSTS

	End post	Mid post	Corner post 90° Up	Corner post 90° Down	T-end post (incl. caps)
3075mm - 9R	GB2275-3075-EPYE	GB2275-3075-MPYE	GB2275-3075-CPUYE	GB2275-3075-CPDYE	GB2275-3075-TPYE
2800mm - 8R	GB2275-2800-EPYE	GB2275-2800-MPYE	GB2275-2800-CPUYE	GB2275-2800-CPDYE	GB2275-2800-TPYE
2525mm - 7R	GB2275-2525-EPYE	GB2275-2525-MPYE	GB2275-2525-CPUYE	GB2275-2525-CPDYE	GB2275-2525-TPYE
2250mm - 6R	GB2275-2250-EPYE	GB2275-2250-MPYE	GB2275-2250-CPUYE	GB2275-2250-CPDYE	GB2275-2250-TPYE
1975mm - 5R	GB2275-1975-EPYE	GB2275-1975-MPYE	GB2275-1975-CPUYE	GB2275-1975-CPDYE	GB2275-1975-TPYE
1700mm - 4R	GB2275-1700-EPYE	GB2275-1700-MPYE	GB2275-1700-CPUYE	GB2275-1700-CPDYE	GB2275-1700-TPYE
1425mm - 3R	GB2275-1425-EPYE	GB2275-1425-MPYE	GB2275-1425-CPUYE	GB2275-1425-CPDYE	GB2275-1425-TPYE
					

RAIL SETS

	CC1000mm 750mm - YE	CC1200mm 950mm - YE	CC1400mm 1150mm - YE	CC1600mm 1350mm - YE	CC1800mm 1550mm - YE	CC2000mm 1750mm - YE	Short rail CC850-1599 - YE	Long rail CC1601-2000 - YE	Conn.tube Ø250 350mm - 90° - YE
9R	GBR900-0750-1000YE	GBR900-0950-1200YE	GBR900-1150-1400YE	GBR900-1350-1600YE	GBR900-1550-1800YE	GBR900-1750-2000YE	GBR909-1599-SRYE	GBR909-2000-LRYE	GBR900-0350-C259YE
8R	GBR800-0750-1000YE	GBR800-0950-1200YE	GBR800-1150-1400YE	GBR800-1350-1600YE	GBR800-1550-1800YE	GBR800-1750-2000YE	GBR809-1599-SRYE	GBR809-2000-LRYE	GBR800-0350-C259YE
7R	GBR700-0750-1000YE	GBR700-0950-1200YE	GBR700-1150-1400YE	GBR700-1350-1600YE	GBR700-1550-1800YE	GBR700-1750-2000YE	GBR709-1599-SRYE	GBR709-2000-LRYE	GBR700-0350-C259YE
6R	GBR600-0750-1000YE	GBR600-0950-1200YE	GBR600-1150-1400YE	GBR600-1350-1600YE	GBR600-1550-1800YE	GBR600-1750-2000YE	GBR609-1599-SRYE	GBR609-2000-LRYE	GBR600-0350-C259YE
5R	GBR500-0750-1000YE	GBR500-0950-1200YE	GBR500-1150-1400YE	GBR500-1350-1600YE	GBR500-1550-1800YE	GBR500-1750-2000YE	GBR509-1599-SRYE	GBR509-2000-LRYE	GBR500-0350-C259YE
4R	GBR400-0750-1000YE	GBR400-0950-1200YE	GBR400-1150-1400YE	GBR400-1350-1600YE	GBR400-1550-1800YE	GBR400-1750-2000YE	GBR409-1599-SRYE	GBR409-2000-LRYE	GBR400-0350-C259YE
3R	GBR300-0750-1000YE	GBR300-0950-1200YE	GBR300-1150-1400YE	GBR300-1350-1600YE	GBR300-1550-1800YE	GBR300-1750-2000YE	GBR309-1599-SRYE	GBR309-2000-LRYE	GBR300-0350-C259YE

TECHNICAL DRAWINGS - TB 260 GRILL BARRIER