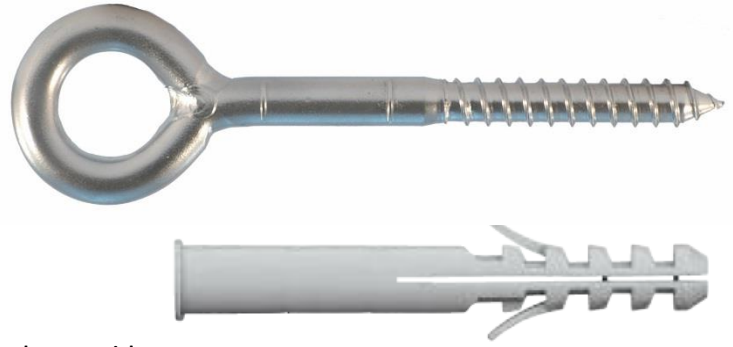


SCAFFOLD RESTRAINT BOLT WITH NYLON SLEEVE TNP



Usage:

- Through Fixing
- Rapid Installation
- Hardened Steel with Galvanised Plating

Advantage:

- Quick and easy assembly
- One anchor for concrete and block
- Economical fastening
- Easily removable for use with temporary structures

Anchor material:

The expansion sleeve is made of high quality nylon, the eyebolt is made of carbon steel and covered with a layer of galvanized steel not less than 5µm thick.

Substrate material:

Concrete, natural stone, full ceramic brick, full silicate brick, concrete blocks.

Method of determining TSRB ring anchors and TNP sleeves		
Symbol	Anchor diameter d[mm]	Anchor length L. [mm]
TSRB12300	12	300
TNP14100L	14	100

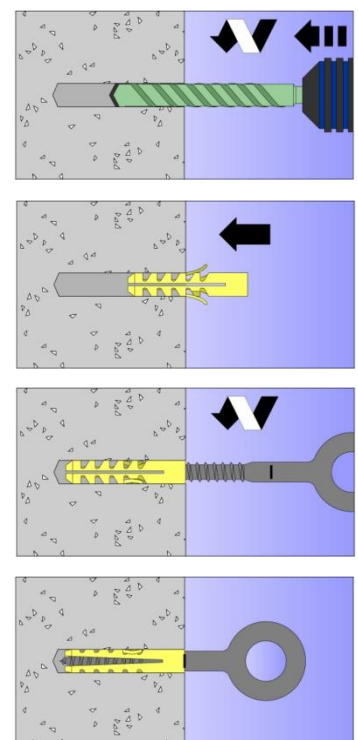
TECHNICAL DATA - RESTRAINT BOLT

Product Code	Anchor Diameter	Anchor Length	Thread Length	Eye Diameter	Minimum Drill Hole Depth	Embedment Depth	Working Length
	d mm	L mm	t _{th} mm	d _o mm	h ₁ mm	h _{nom} mm	mm
TSRB12090	12.0	90	65	23	90	80	15
TSRB12120		120					45
TSRB12160		160					85
TSRB12190		190					115
TSRB12230		230					155
TSRB12300		300					225
TSRB12350		350					275
TSRB12400		400					325
TSRB12450		450					375

TECHNICAL DATA - NYLON SLEEVE

Product Code	Anchor Diameter	Anchor Length	Drill Hole Diameter	Minimum Drill Hole Depth	Embedment Depth
	d mm	L mm	t _o mm	h ₁ mm	h _{nom} mm
TNP12075L	14.0	75	14	90	80
TNP12100L		100			
TNP12135L		135			
TNP12185L		185			

INSTALLATION



LOAD DATA

Characteristic Resistance

Anchor Diameter		Concrete	Hollow Brick
N _{Rk}	[kN]	9.6	1.2

Design Resistance

N _{Rd}	[kN]	3.8	0.5
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Recommended Resistance

N _{rec}	[kN]	2.7	0.4
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Includes Partial Safety Factor $\gamma = 1.4$ in the absence of national regulations and type of loading Anchor is designed for Tensile Loading only