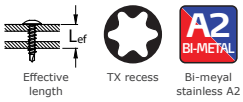
BI-METAL STITCHER SCREW

MIH RXB 4.8 X L #1 TX20

- TX20 recess
- Drill point #1 with a drill capactity of 2 x 0.5 - 2 x 1.0 mm
- Length measured from under the head to the tip of the screw
- Ø4.8 outer thread diameter
- RXB indicates that the screw is made of bi-metal - stainless steel grade A2 with a hardened steel tip
- Name of head type

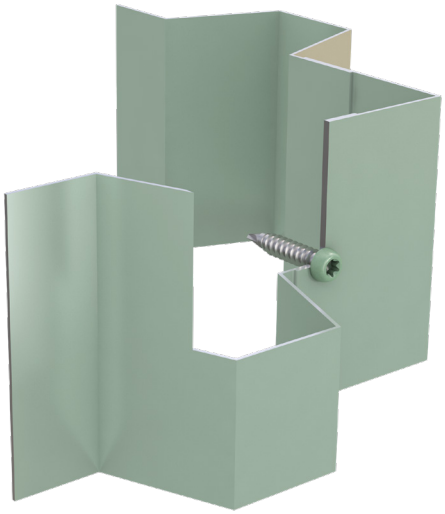


RODUCT RANGE

Art.no.	Item name	Thread [mm]	Length L [mm]	Effective length L_{ef} [mm]	Drill point	Drill cap. [mm]	Head [mm]	Unit
16812	MIH RXB 4.8 X 23 #1 TX20	Ø4.8	23	11.0	#1	2 x 0.5 - 2 x 1.0	Ø7.2 TX20	500

ADVANTAGES

- Suitable for stitching of thin gauge sheeting
- Reduced drill point for better pullout values
- Drilling, tapping and fastening in one operation
- Drill point designed for fast drilling in harder steel
- Surface treated with zinc
- Good corrosion resistance
- Available in more than 500 colours (Qualicoat certified facade quality powder)

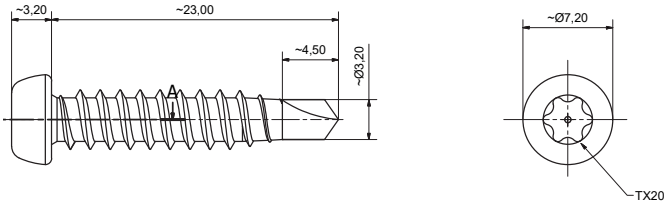


ASTON SWEDEN AB
Hangarvägen 23
SE-691 35 Karlskoga
Sweden

Tel.: +46 586 216 600
Fax: +46 586 399 70
info@astonsweden.com
www.astonsweden.com

PRODUCT DATA

Technical data	
Head:	Ø7.2 mm head with TX20 recess
Effective length:	L_{ef} = L - 11 mm
Drill point:	#1
Drill capacity:	2 x 0.5 - 2 x 1.0 mm (Steel 280GD)
Material:	Bi-metal, stainless A2 with drill point made of hardened steel
Surface treatment:	3-6 µm zinc with blue chromate passivate
Corrosivity category:	C4 according to EN ISO 12944-2



DESIGN RESISTANCE

The design resistance of the screw is determined in accordance with EN 1993-1-3:2006 + AC:2009.

The resistance when loaded in tension, N_{Rd}, appears from the table on the right and is the minimum value of the pull-out resistance of the supporting object, the pull-through resistance of the fixed object, and the tension resistance of the screw.

The resistance when loaded ins shear, V_{Rd}, appears from the table on the right and is the minium value of the bearing resistance of the supporting object and the fixed object, and the shear resistance of the screw.

The theoretical values must be considered indicative since the conditions of the construction site may vary. Practical tests of the specific application are recommended for verification of the listed values.

Assumptions:

Fixed object: Steel S280GD - EN 10346
Supporting object: Steel S280GD - EN 10346

t_I = Thickness of the fixed object [mm]
t_{II} = Thickness of the supporting object [mm]

All resistances are stated in kN (1 kN ≈ 100 kg)
Safety factor: γ_M = 1.35

Design resistance when loaded in tension, N_{Rd} [kN]

t_I \ t_{II}	0.50	0.55	0.63	0.75	0.88	1.00
0.50	0.29	0.32	0.36	0.43	0.48	0.48
0.55	0.29	0.32	0.36	0.43	0.51	0.53
0.63	0.29	0.32	0.36	0.43	0.51	0.58
0.75	0.29	0.32	0.36	0.43	0.51	0.58
0.88	0.29	0.32	0.36	0.43	0.51	0.58
1.00	0.29	0.32	0.36	0.43	0.51	0.58

Design resistance when loaded in shear, V_{Rd} [kN]

t_I \ t_{II}	0.50	0.55	0.63	0.75	0.88	1.00
0.50	0.66	0.66	0.66	0.66	0.66	0.66
0.55	0.66	0.76	0.76	0.76	0.76	0.76
0.63	0.66	0.76	0.93	0.93	0.93	0.93
0.75	0.66	0.76	0.93	1.21	1.21	1.21
0.88	0.66	0.76	0.93	1.21	1.54	1.54
1.00	0.66	0.76	0.93	1.21	1.54	1.87

ASTON SWEDEN AB
Hangarvägen 23
SE-691 35 Karlskoga
Sweden

Tel.: +46 586 216 600
Fax: +46 586 399 70
info@astonsweden.com
www.astonsweden.com