

# TRI FIXX



# Marutex®

## Stainless Steeltite® Self Drilling Screws

Anti - Corrosion Properties Equivalent to Stainless 304  
Drilling Performance Superior to Carbon Steel Screws  
Exceptional Strength Factors in Pullout and Shear



The development of Marutex® Stainless Steeltite® Self Drilling Screws has produced a major breakthrough in Fastener Technology. The Marutex® Stainless Steeltite® is a unique 'one piece' stainless fastener which combines the corrosion resistance of 304 Stainless Steel, with the capability of drilling into metals between 1mm and 12mm in thickness.

Salt Spray and Kestenich (Sulphur Dioxide) Tests indicate the durability of Marutex® is superior to other types of stainless fasteners such as 304 Bi-Metal (Stainless head and shank with integrated carbon steel point), Stainless 410 and mechanically galvanised or organically coated carbon steel fasteners.

Marutex® offers superior corrosion resistance, as reported in tests conducted by the Swedish National Testing and Research Institute.

*Marutex® Fasteners have been tested beyond 1000 hours of Salt Spray, without any evidence of Red Rust Build-Up.*

## Kestenich Test DIN 50018

40 Cycles of Sulphur Dioxide.

Each cycle of 8 hours duration.

**RR** = Red rust   **BR** = Black Rust   **WR** = White Rust

Sample	Drill Point	Thread	Head
Marutex®	—	—	—
Bi - Metal 304/Carbon Steel Type 1	50% <b>RR</b>	50% <b>RR</b>	25-50% <b>RR</b> 25-50% <b>WR</b>
Bi - Metal 304/Carbon Steel Type 2	50% <b>RR</b>	10-25% <b>RR</b> 5-10% <b>BR</b> 5-10% <b>WR</b>	1-2% <b>BR</b> 5-10% <b>WR</b>



## Pull-Out Strengths of Marutex® Stainless Steeltite® Self Drilling Screws

Plate Thickness	8g x 25	10g x 35	12g x 45	14g x 35
1.6mm	4875 (497)	4750 (484)	6600 (673)	6173 (630)
2.3mm	6875 (701)	7175 (731)	7975 (813)	8025 (818)
2.6mm	8250 (841)	7950 (810)	9150 (933)	9500 (988)
3.0mm	9200 (938)	9950 (1014)	11500 (1172)	11325 (1155)
3.6mm	12900 (1315)	12050 (1288)	14000 (1427)	14750 (1504)
4.0mm		14125 (1440)	16900 (1723)	20325 (2072)
5.0mm			21800 (2223)	26850 (2738)

Figures without brackets are N - Newton  
 Figures with brackets are KGF - Kilogram force

### Test Method

Fasteners were driven into steel test plates, lined with another steel plate pre-drilled with a clearance hole. The fasteners were pulled by the tester until they were pulled out of the test plate.

## Shear Strength for 10 & 12 gauge Stainless Steel Self Drilling Screws

	KGF	Newton
10g	1225	12495
12g	1570	16014

### Test Method

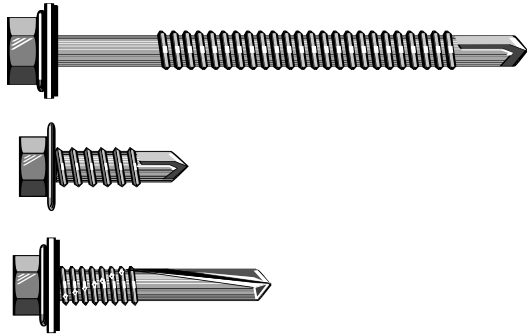
The Fasteners were driven tightly into two fixed steel plates each 6mm in diameter. The plates were then pulled in opposite directions horizontally by the tester.

### Conclusion

The shear strength of Marutex® Stainless Steeltite® Self Drilling Screws is approximately double the strength of hardened carbon steel self drilling screws.

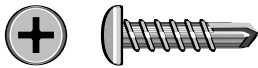


**Marutex® Stainless Steeltite® Self Drilling are available in a variety of head styles, diameters and lengths**



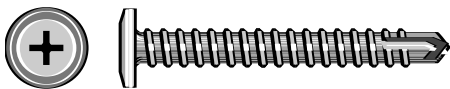
**\*Hexagon Head**

- 8-18 x 12mm (reduced point)
- 10-16 x 35mm
- 12-14 x 20 mm
- 12-24 x 32mm (Series 500)
- 12-14 x 45 mm
- 12-14 x 65 mm
- 14-14 x 35 mm



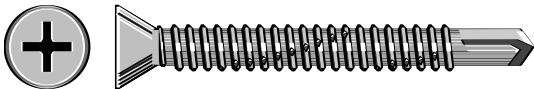
**Pan Head**

- 8-18 x 12 mm
- 8-18 x 16 mm
- 8-18 x 20 mm
- 8-18 x 35 mm



**Wafer Head**

- 10-16 x 22 mm
- 10-16 x 32 mm

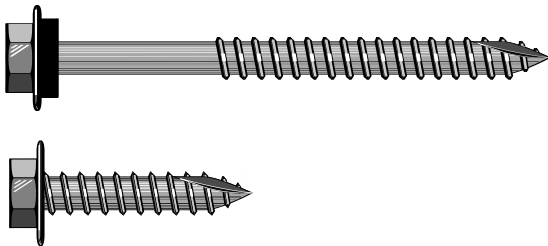


**Countersunk Head**

- 10-16 x 32 mm

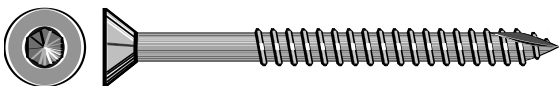
\* Optionally available assembled with Aluminium or Stainless Steel Bonded Washers. Other sizes are available on request, however minimum manufacturing quantities may apply for non standard items.

**304 Stainless Steel Timberite® Type 17 Self Drilling Screws for Timber**



**\*Hexagon Head**

- 14-10 x 25mm
- 14-10 x 50mm
- 14-10 x 65mm
- 14-10 x 75mm
- 14-10 x 90mm



**Bugle Head – 5mm Hex Drive**

- 14-10 x 50mm
- 14-10 x 75mm

Distributed by:



**Construction  
Fastening  
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