BLIND BOLT COMPANY

Full technical details and distributor information can be found on our website www.blindbolt.co.uk
All dimensions are stated in millimetres unless noted otherwise.

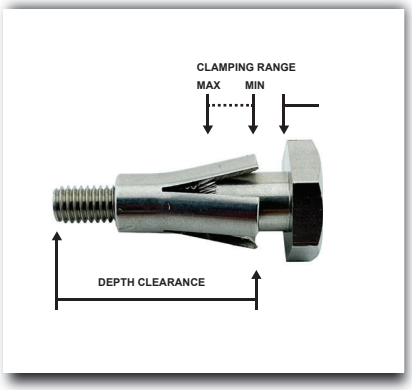
October 2020

TW BOLT

THIN WALL BOLT

Thin Wall Bolt Product Specification
Zinc Nickel

Product Code	Hole Diameter (mm)	Depth Clearance (mm)	Clamping Range (mm) Min	Max
TW5ZF-10	8	35	2	10
	5/16	1 3/8	5/64	13/32
TW5ZF-16	8	40	8	16
	5/16	1 9/16	5/16	5/8
TW6ZF-10	10	35	2	10
	7/16	1 3/8	5/64	13/32
TW6ZF-16	10	40	8	16
	7/16	1 9/16	5/16	5/8
TW8ZF-10	13	45	2	10
	9/16	1 3/4	5/64	13/32
TW8ZF-16	13	50	8	16
	9/16	2	5/16	5/8



Design Resistance for TW Type Blind Bolts
Zinc Nickel - In Accordance with AC 437 and AISC 360-10

TW Bolt Size	Tension Resistance				Shear Resistance			
	LRFD		ASD		LRFD		ASD	
	kN	KIPS	kN	KIPS	kN	KIPS	kN	KIPS
TW5	5.32	1.24	3.68	0.83	14.6	3.28	9.73	2.19
TW6	14.0	3.16	9.36	2.10	21.7	4.87	14.5	3.25
TW8	22.5	5.06	15.0	3.37	37.9	8.52	25.3	5.68

Design resistances in shear and tension are presented above. The resistance values may be compared directly with the ultimate loads applied to the fixing.

The bearing resistance may be calculated in accordance with the design standard, based on the external diameter of the collar, as given above.

Fixings subject to combined shear and tension should be verified in accordance with the design standard, using the design resistances presented above.

If tension is applied to a fixing in a relatively thin wall application, the deformation of the connected material should be considered at serviceability (working loads) and at the ultimate limit state, as deformation is likely to be the limiting feature of the connection.

BLIND BOLT COMPANY

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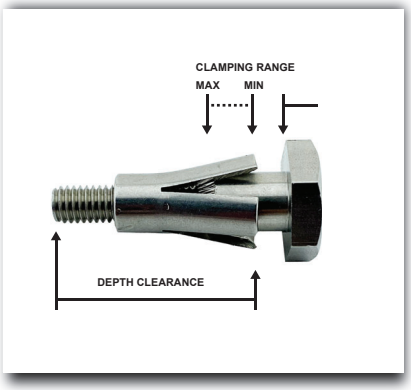
October 2020

TW BOLT

THIN WALL BOLT

Thin Wall Bolt Product Specification
Stainless Steel A2-70

Product Code	Hole Diameter (mm)	Depth Clearance (mm)	Clamping Range (mm) Min	Max
TW5SS-10	8	35	2	10
	5/16	1 3/8	5/64	13/32
TW5SS-16	8	40	8	16
	5/16	1 9/16	5/16	5/8
TW6SS-10	10	35	2	10
	7/16	1 3/8	5/64	13/32
TW6SS-16	10	40	8	16
	7/16	1 9/16	5/16	5/8
TW8SS-10	13	45	2	10
	9/16	1 3/4	5/64	13/32
TW8SS-16	13	50	8	16
	9/16	2	5/16	5/8



Design Resistance for TW Type Blind Bolts
Stainless Steel - In Accordance with AC 437 and AISC DESIGN GUIDE 27

TW Bolt Size	Tension Resistance				Shear Resistance			
	LRFD		ASD		LRFD		ASD	
	kN	KIPS	kN	KIPS	kN	KIPS	kN	KIPS
TW5	6.15	1.38	4.1	0.92	12.5	2.82	8.36	1.88
TW6	10.5	2.36	7.0	1.57	18.7	4.21	12.5	2.80
TW8	18.2	4.08	12.1	2.72	32.6	7.34	21.8	4.89

Design resistances in shear and tension are presented above. The resistance values may be compared directly with the ultimate loads applied to the fixing.

The bearing resistance may be calculated in accordance with the design standard, based on the external diameter of the collar, as given above.

Fixings subject to combined shear and tension should be verified in accordance with the design standard, using the design resistances presented above.

If tension is applied to a fixing in a relatively thin wall application, the deformation of the connected material should be considered at serviceability (working loads) and at the ultimate limit state, as deformation is likely to be the limiting feature of the connection.