



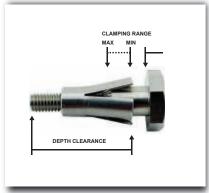
Full technical details and distributor information can be found on our website www.blindbolt.co.uk All dimensions are stated in millimetres unless noted otherwise.

October 2020





Product Code	Hole Diameter (mm)	Depth Clearance (mm)	Clamping Range (mm) Min Max		
TW5ZF-10	8	35	2	10	
	5/16	1 ³/s	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.







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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.

