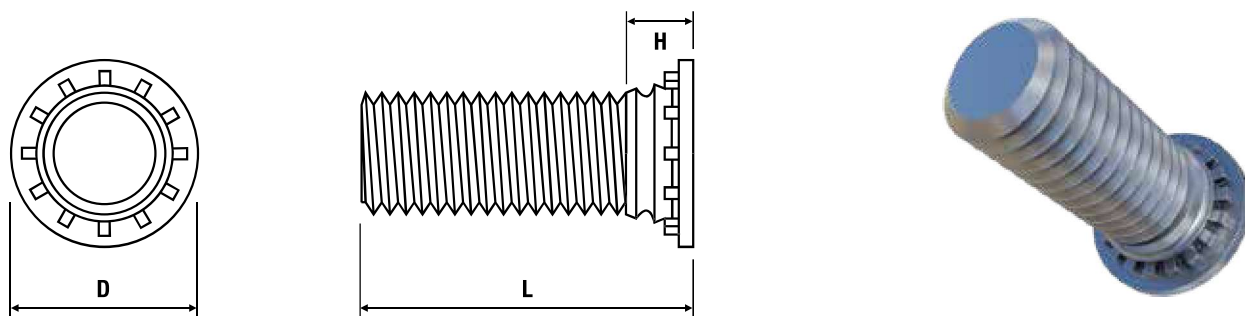


Flush Head Stud TR-FH/TR-FHS/TR-FHA/TR-FH4



Metric Dimensions

Zinc Plated Steel: TR-FH | Stainless Steel: TR-FHS | Aluminium: TR-FHA | 400 Series Stainless Steel: TR-FH4

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8
D ±0.4	3.5	4.1	4.6	5.3	5.9	6.5	8.2	9.6
H max.	1.95	1.95	2.1	2.2	2.4	2.7	3.0	3.7
Min. sheet thickness	1.0	1.0	1.0	1.0	1.0	1.0	1.6	2.4
Recommended hole size +0.08	2.0	2.5	3.0	3.5	4.0	5.0	6.0	8.0
Min. distance to edge of sheet	5.2	5.4	5.6	6.4	7.2	7.2	7.9	9.6

Length (L) ±0.4	5	6	8	10	12	15	16	18	20	22	25	28	30	35	38	40	45	50

Metric Performance Data

Thread		M2	M2.5	M3	M3.5	M4	M5	M6	M8
Test sheet material	TR-FH4	Stainless steel							
	TR-FHS	Steel							
	TR-FH	Steel							
Installation (kN)	TR-FH4	-	40.0	41.0	-	51.0	54.0	71.0	73.5
	TR-FHS	13.5	13.5	14.7	-	26.0	32.0	44.0	49.9
	TR-FH	9.0	11.0	14.7	22.3	28.0	33.5	45.0	45.0
Push-out (N)	TR-FH4	-	-	2230	-	3300	3600	4210	-
	TR-FHS	700	740	820	1335	1790	2000	2500	2800
	TR-FH	700	740	820	1335	1800	2100	2600	2900
Torque-out (Nm)	TR-FH4	-	1.4	1.8	-	6.6	10.8	15.9	-
	TR-FHS	0.45	0.8	1.4	2.0	2.9	6.4	10.0	17.0
	TR-FH	0.45	1.0	1.7	2.8	4.3	6.8	12.0	19.5
Pull through (N)	TR-FH4	-	-	3300	-	8010	10020	14950	-
	TR-FHS	-	1800	2450	-	4800	6000	10600	13600
	TR-FH	1700	2700	3900	3780	5700	6300	11400	15500

TR-FH - Recommended for use in sheet hardness: HRB 80 or less
 TR-FHS - Recommended for use in sheet hardness: HRB 70 or less

TR-FHA - Recommended for use in sheet hardness: HRB 50 or less
 TR-FH4 - Recommended for use in sheet hardness: HRB 92 or less

www.trfastenings.com

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