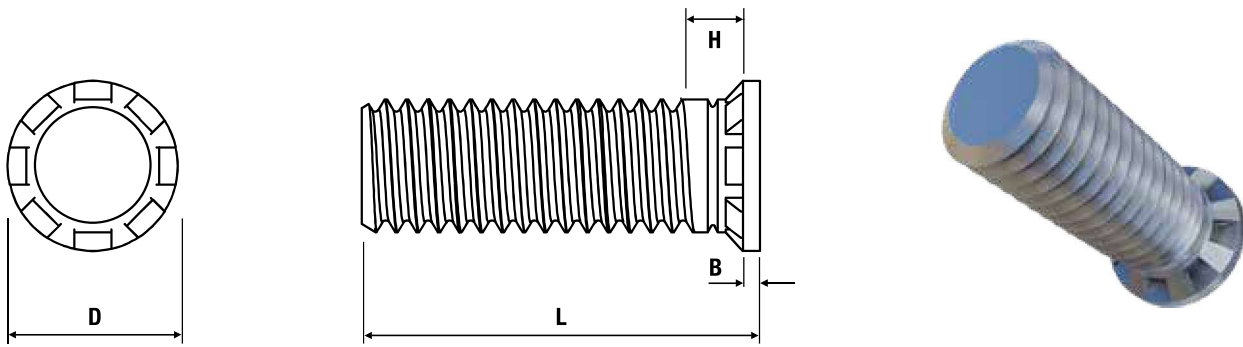


Thin Sheet Stud TR-TFH/TR-TFHS



Metric Dimensions

Zinc Plated Steel: TR-TFH | Stainless Steel: TR-TFHS

Thread	M3	M4	M5
D ± 0.25	4.5	5.8	6.4
H max.	1.8	1.8	2.3
B max.	0.64	0.64	0.64
Min. sheet thickness	0.51	0.51	0.51
Recommended hole size $+0.08$	3.0	4.0	5.0

Length (L) ± 0.4	6	8	10	12	15	18	20	25	30	35

Metric Performance Data

Thread		M3	M4	M5
Test sheet material		Steel		
Installation (kN)	TR-TFH	7.9	17.8	22.1
	TR-TFHS	6.7	13.4	12.9
Push-out (N)	TR-TFH	410	450	550
	TR-TFHS	390	465	580
Torque-out (Nm)	TR-TFH	1.3	2.0	2.7
	TR-TFHS	0.8	2.5	3.0

TR-TFH - Recommended for use in sheet hardness: HRB 80 or less

TR-TFHS - Recommended for use in sheet hardness: HRB 70 or less