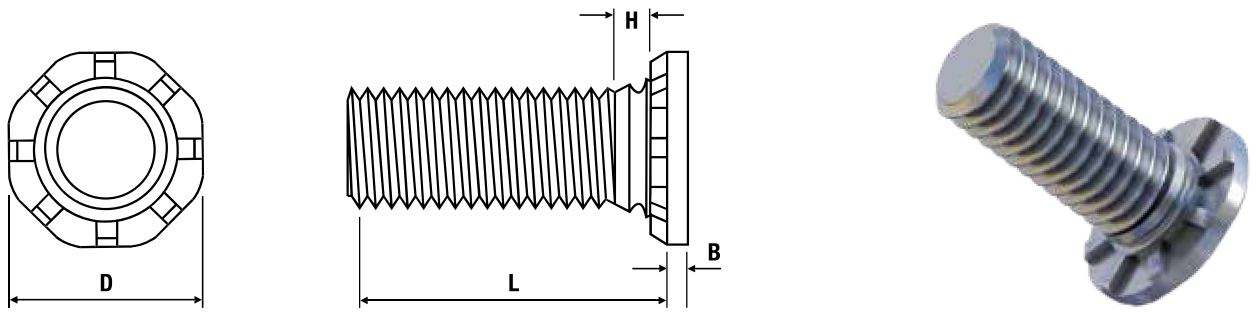


Heavy Duty Thin Sheet Stud TR-HFE



Metric Dimensions

Zinc Plated Steel: TR-HFE

Thread	M5	M6	M8
D ± 0.25	9.60	11.35	15.30
H max.	2.60	2.80	3.30
B max.	1.35	1.52	2.13
Min. sheet thickness	1.0	1.0	1.5
Recommended hole size +0.13	5.0	6.0	8.0
Min. distance to edge of sheet	10.00	11.50	14.50

Length (L) ± 0.4	8	15	18	20	25	30	35	40	50

Metric Performance Data

Thread	M5	M6	M8
Test sheet material	Steel		
Max. nut tightening torque (Nm)	6.4	11.0	26.0
Installation (kN)	51.1	60.0	71.1
Push-out (N)	1350	1400	2400
Torque-out (Nm)	8.1	14.4	33.9
Tensile strength (kN)	12.8	18.1	32.9
Pull through (kN)	10.6	15.5	27.5
Bushing hole size for pull through (mm)	7.4	8.2	10.3

TR-HFE - Recommended for use in sheet hardness: HRB 85 or less

