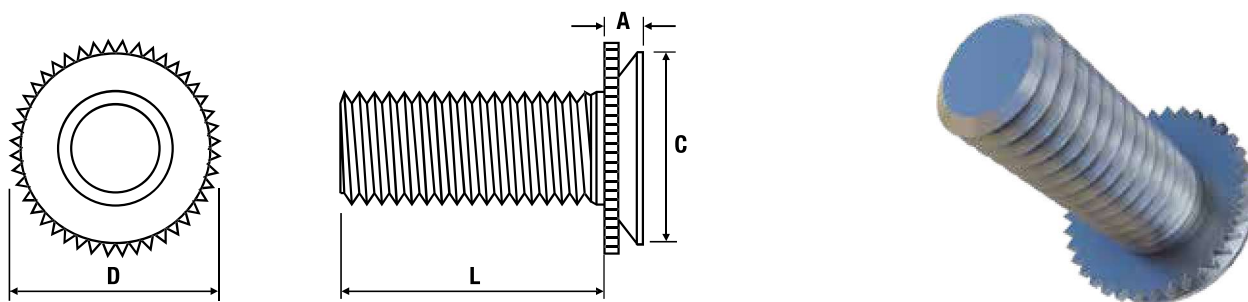


# Concealed Head Stud - 1.6mm Sheet TR-CHC/TR-CHA



## Metric Dimensions

Stainless Steel: TR-CHC | Aluminium: TR-CHA

Thread	M3	M4	M5
D ±0.4	5.21	8.33	8.89
C max.	4.35	7.35	7.9
Blind mounting hole ±0.08	4.37	7.37	7.93
Min. distance to edge of sheet	4.0	5.6	6.4
Hole depth	1.10		
A max.	1.04		
Min. sheet thickness	1.60		

Length (L) ±0.4	6	8	10	12	20	25

## Metric Performance Data (TR-CHC)

Thread	M3	M4	M5
Test sheet material	Steel		
Installation (kN)	8.0	17.8	22.2
Pull-out (N)	1065	1200	1290
Max. tightening torque (Nm)	0.5	2.0	3.6

## Metric Performance Data (TR-CHA)

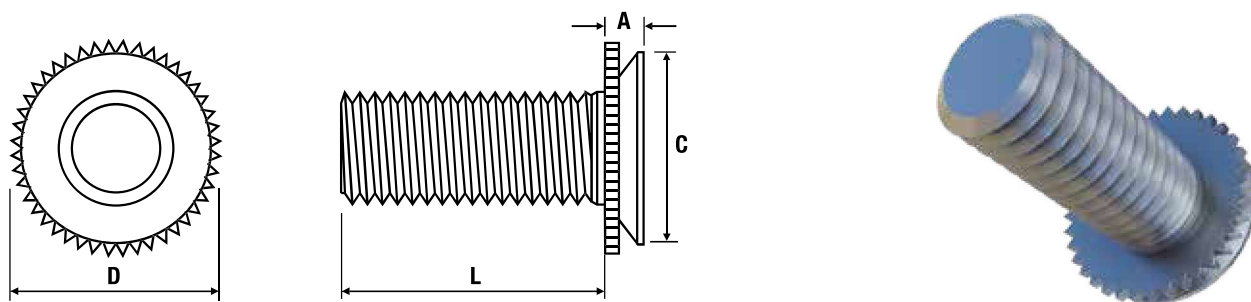
Thread	M3	M4	M5
Test sheet material	Aluminium		
Installation (kN)	6.2	12.5	17.8
Pull-out (N)	555	645	755
Max. tightening torque (Nm)	0.3	1.2	2.2

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

TR-CHA - Recommended for use in sheet hardness: HRB 50 or less



# Concealed Head Stud - 2.4mm Sheet TR-CFHC/TR-CFHA



## Metric Dimensions

Stainless Steel: TR-CFHC | Aluminium: TR-CFHA

Thread	M3	M4	M5
D $\pm 0.4$	5.21	8.33	8.89
C max.	4.35	7.35	7.9
Blind mounting hole $\pm 0.08$	4.37	7.37	7.93
Min. distance to edge of sheet	4.0	5.6	6.4
Hole depth	1.91		
A max.	1.83		
Min. sheet thickness	2.40		

Length (L) $\pm 0.4$	6	8	10	12	20	25

## Metric Performance Data (TR-CFHC)

Thread	M3	M4	M5
Test sheet material	Steel		
Installation (kN)	8.9	14.7	17.8
Pull-out (N)	1065	1955	3020
Max. tightening torque (Nm)	0.5	2.0	3.6

## Metric Performance Data (TR-CFHA)

Thread	M3	M4	M5
Test sheet material	Aluminium		
Installation (kN)	6.7	13.3	15.6
Pull-out (N)	845	1065	1330
Max. tightening torque (Nm)	0.3	1.2	2.2

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

TR-CFHA - Recommended for use in sheet hardness: HRB 50 or less

