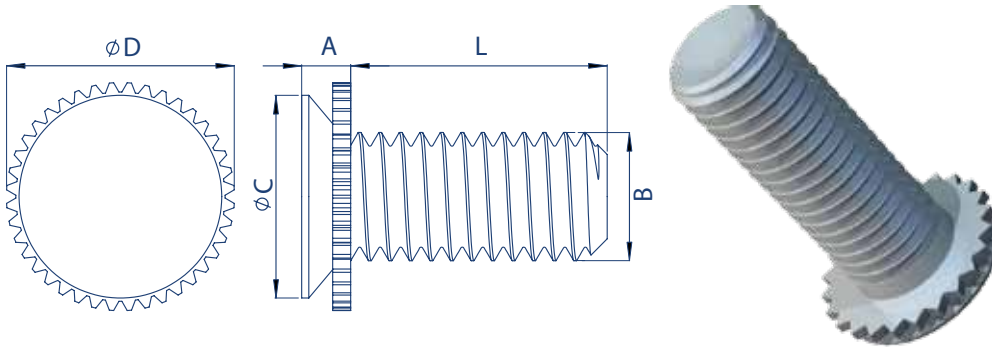


TR Hank® Self-Clinch Concealed Head Studs



Stainless Steel : TR-CHC / TR-CFHC | Aluminium : TR-CHA / TR-CFHA



Metric Dimensions

Thread size	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	5.6	6.4
Hole +0.08 -0.0	3.6	4.6	5.6
Hole Depth	TR-CHC / TR-CHA	1.10	
	TR-CFHC / TR-CFHA		1.91
A max	TR-CHC / TR-CHA	1.04	
	TR-CFHC / TR-CFHA		1.83
Min rec sheet thickness mm	TR-CHC / TR-CHA	1.6	
	TR-CFHC / TR-CFHA		2.4

Preferred Range

Thread size x Pitch	M3 x 0.5	M4 x 0.7	M5 x 0.8
Length ±0.4	6	•	
	8	•	
	10	•	
	12	•	
	16	•	
	20	•	•
	25	•	

TR Hank® Self-Clinch Concealed Head Studs



Performance Data				
Thread x Pitch		M3 x 0.5	M4 x 0.7	M5 x 0.8
Installation Cold Rolled Steel (kN)	Stainless Steel: TR-CHC	8	17.8	22.2
	Stainless Steel: TR-CFHC	8.9	14.7	17.8
Installation Aluminium Sheet (kN)	Aluminium: TR-CHA	6.2	12.5	17.8
	Aluminium: TR-CFHA	6.7	13.3	15.6
Pushout (N)	Stainless Steel: TR-CHC	1065	1200	1290
	Stainless Steel: TR-CFHC	1065	1955	3020
	Aluminium: TR-CHA	555	645	755
	Aluminium: TR-CFHA	845	1065	1330
Max Tightening Torque	Stainless Steel: TR-CHC	0.5	2	3.6
	Stainless Steel: TR-CFHC	0.5	2	3.6
	Aluminium: TR-CHA	0.3	1.2	2.16
	Aluminium: TR-CFHA	0.3	1.2	2.16

Please note:
 TR-CHC & TR-CHA: To suit 1.6mm sheet
 TR-CFHC & TR-CFHA: To suit 2.4mm sheet

These tests have been conducted in laboratory conditions, these figures should therefore be used for guidance only.

All data is correct to the best of our knowledge, however TR cannot be held responsible for any errors or omissions.