

CD Weld Studs



Capacitor discharge fasteners have a small pip under the weld end which melts during the arc and welds the end of the fastener to the material; this is assisted by spring pressure from the welding gun.

The process is completed from one side only and leaves a smooth and usually unmarked reverse side due to the extremely low weld penetration depth.

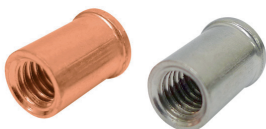
- STEEL COPPERED
- A2 STAINLESS STEEL
- A4 STAINLESS STEEL
- ALUMINIUM ALLOY
- BRASS

Thread Size	Flange Diameter - ISO 13918	Stud Length - Range Available	Standard Length Sizes / mm
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METRIC SIZES

M3	4.5	6mm to 50mm	6, 8, 10, 12, 15*, 16, 20, 25, 30, 35, 40, 45, 50, 60
M4	5.5	6mm to 50mm	
M5	6.5	6mm to 60mm	
M6	7.5	8mm to 60mm	
M8	9.0	10mm to 60mm	
M10	11.0	12mm to 50mm	*non-preferred size

CD Weld Standoffs



CD weld standoffs provide a permanent threaded spacer and are ideal for use in applications where perforation of the base material is not desirable such as waterproof enclosures.

- STEEL COPPERED
- A2 STAINLESS STEEL
- ALUMINIUM ALLOY

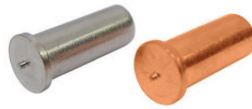
Internal Thread Size	Internal Thread Depth (min) *	Outside Diameter - ISO 13918	Flange Diameter	Length Range Available
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M3	5.0	5.0	6.5	6mm to 30mm
M4	6.0	6.0	7.5	8mm to 40mm
M5	7.5	7.1	9.0	10mm to 30mm
M6	7.5	8.0	9.0	12mm to 40mm

* 6 & 8mm long standoffs may have reduced thread depth.

Standard Length Sizes / mm
6, 8, 10, 12, 15, 16, 20, 25, 30, 35, 40

CD Weld Pins



CD weld pins have all the advantages of the threaded weld studs and provide a smooth pin for locating or attaching to.

- STEEL COPPERED
- A2 STAINLESS STEEL
- ALUMINIUM ALLOY

Thread Size	Flange Diameter - ISO 13918	Stud Length - Range Available	Standard Length Sizes / mm
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METRIC SIZES

3MM	4.5	6mm to 40mm	6, 8, 10, 12, 15*, 16, 20, 25, 30, 35, 40, 50
4MM	5.5	6mm to 40mm	
5MM	6.5	8mm to 50mm	
6MM	7.5	10mm to 40mm	
7.1MM	9.0	10mm to 30mm	
8MM		special order	*non-preferred size

Projection Weld Bolts - BS7670



Projection weld bolts have 3 pips on the thread side of the head - the stud is inserted through a hole in the base material and welded on the reverse side. This results in a stud with excellent pull-out and torque-out performance.

Material: Mild Steel Self-Finish (standard)
Options: High Tensile Steel, Zinc Plating

- STEEL

Thread Size	Max Head Diameter - BS7670	Max Head Thickness	Standard Thread Length Sizes / mm
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Please check availability of this product range per enquiry

M3.5	8.4	1.7	8, 10, 12, 16, 20, 25, 30, 35, 40, 45, 50
M5	10.4	2.1	
M6	12.5	2.5	
M8	16.5	3.3	
M10	20.6	4.1	

Please check availability of this product range per enquiry

Spare CD Collet



Parallel Type



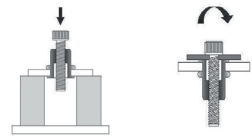
Morse Taper Type



Earth Tag Collet

CD Collets are a wearing part and should be replaced periodically to maintain optimum electrical contact & reduce arcing.

Rivet Nut Performance Values



Thread Shear (N) *	M3	M4	M5	M6	M8	M10	M12
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This is the load at which the thread or rivet nut body fails.

Ultimate Torque (Nm) *	M3	M4	M5	M6	M8	M10	M12
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The ultimate torque value is that at which the rivet nut thread fails.

* The data given is for guidance only and represent average values. These will vary according to rivet nut head style, body type, hole size & material thickness. We recommend a specific test in the application using samples to determine precise values

Gauge Sizes / Sheet Thickness (metric)

Gauge Size	4G	6G	8G	10G	12G	14G	16G	18G	20G	22G
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Sheet Thickness in mm	6.0	5.0	4.0	3.0	2.5	2.0	1.5	1.2	1.0	0.8
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