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PRODUCT GUIDE

ISSUE 1 | 2018

RIVET BUSHES

BLIND RIVET NUTS

BLIND RIVETS

CLINCH FASTENERS

SPRING STEEL FASTENERS

STUDWELDING

Welcome to our Product Guide

We've pulled together a Product Guide to showcase our entire product range. For any more information on any of the products included in this guide just give us a call - our team are ready and waiting.

Top Level Service

A family run business with over 30 years of experience and knowledge in the fasteners industry based in Leicestershire, specialising in Rivet Nuts and Sheet Metal Fasteners. We work closely with local manufacturers and trade companies in Leicestershire, the U.K. and abroad supplying products for Steel Manufacturing, Point of Sale, Aerospace, Petrochemical, Marine Technologies, Electrical Engineering and many more.

With an extensive product range in stock, utilising a large variety of highly accredited suppliers and a next day delivery service available we aim to provide a service above and beyond our customers' requirements ensuring that from sale to final application support, guidance and advice is given.



30 Years Experience



Next Day Delivery



Tool Servicing / Repairs



01455 842762



sales@chapmanbradshaw.co.uk



24 Almeys Lane, Earl Shilton, Leicestershire LE9 7AJ

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Material Colour Key

- Steel
- A2 Stainless Steel
- Aluminium Alloy
- A4 Stainless Steel
- Brass
- Steel Coppered

Look out for these colours throughout the Product Guide for an easy overview of what is available.



Rivet Bushes

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Colour Key

- Steel
- A2 Stainless Steel
- Aluminium Alloy
- A4 Stainless Steel
- Brass

Round Rivet Bushes



Rivet bushes have a thin spigot which is peened over to securely lock the bush into the parent material; the serrations give additional turning resistance.

● STEEL ● A2 STAINLESS STEEL
● A4 STAINLESS STEEL ● ALUMINIUM ALLOY

Thread Size	Hole Diameter	Spigot Diameter (max)	Body Diameter	Body Height
M3	5.54	5.54	7.92	3.17
M3.5	6.73	6.73	9.52	3.17
M4	6.73	6.73	9.52	3.17
M5	7.92	7.92	11.1	3.81
M6	9.52	9.52	12.7	5.08
M8	12.7	12.7	15.87	6.35
M10	15.87	15.87	19.05	7.62
M12	19.05	19.05	25.4	10.16

Hexagon Rivet Bushes



The undercut points of the hexagon body give additional turning resistance. Rivet bushes can be installed using either a hammer or a press.

● STEEL ● A2 STAINLESS STEEL
● A4 STAINLESS STEEL

Thread Size	Hole Diameter	Spigot Diameter (max)	Body Across Flats	Body Height
M3	5.54	5.54	7.92	3.17
M4	6.73	6.73	7.92	3.17
M5	7.92	7.92	9.52	3.81
M6	9.52	9.52	11.1	5.08
M8	12.7	12.7	14.27	6.35
M10	15.87	15.87	19.05	7.62
M12	19.05	19.05	22.22	10.16

Mini Rivet Bushes



Mini rivet bushes work in the same way as the round type but have smaller body dimensions for applications where space is restricted.

● STEEL ● A2 STAINLESS STEEL
● A4 STAINLESS STEEL

Thread Size	Hole Diameter	Spigot Diameter (max)	Body Diameter	Body Height
M2	3.5	3.5	5	2.3
M2.5	4.19	4.19	5.5	2.8
M3	4.19	4.19	5.5	2.8
M4	5.41	5.41	7	3.2
M5	6.4	6.4	8.5	3.8
M6	7.7	7.7	10	5.1

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

Tank Bushes



Tank bushes are a 'sealed end' version of the standard round rivet bush and have the same body and spigot diameter. Typically used in applications where ingress into the product must be prevented.

● STEEL ● A2 STAINLESS STEEL
● A4 STAINLESS STEEL

Thread Size	Hole Diameter	Spigot Diameter (max)	Body Diameter	Body Height
M3	5.54	5.54	7.92	3.17
M3.5	6.73	6.73	9.52	3.17
M4	6.73	6.73	9.52	3.17
M4	6.73	6.73	9.52	3.17
M4	6.73	6.73	9.52	3.17
M3.5	6.73	6.73	9.52	3.17
M3	5.54	5.54	7.92	3.17

Rivet Bush Standoffs



Rivet bush standoffs are a 'longer body' version of either MINI or ROUND pattern rivet bushes. Some standard sizes are available and other variants can be made to order.

● STEEL ● A2 STAINLESS STEEL
● A4 STAINLESS STEEL

Thread Size	ROUND Hole Diameter	ROUND Body Diameter	MINI Hole Diameter	MINI Body Diameter
M2			3.5	5
M2.5			4.19	5.5
M3	5.54	7.92	4.19	5.5
M4	6.73	9.52	5.41	7
M5	7.92	11.1	6.4	8.5
M6	9.52	12.7	7.7	10
M8	12.7	15.87	9.7	12

Special Rivet Bushes



SPECIAL THREADS
Fine pitch, UNF & UNC, BSP & more



CLEAR HOLE BUSHES
Permanently attached spacer or guide bush



SPECIAL BODY DIMENSIONS
Bespoke body diameter or length



MINI TANK BUSHES
Where space is at a premium

Where applications require a solution that is not standard, we can manufacture a special part. MOQ from 500 pcs with fast delivery.

● STEEL ● A2 STAINLESS STEEL
● A4 STAINLESS STEEL ● ALUMINIUM ALLOY
● BRASS

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

TOOL REPAIR / SERVICING

We repair and service most pneumatic tools. All tools are sent to our independent repair specialist where they are fully serviced and/or repaired as quickly and efficiently as possible.





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Colour Key

- Steel Zinc CR3 Finish
- A2 Stainless Steel
- Aluminium Alloy
- A4 Stainless Steel

Reduced CSK Head - Plain Body - Imperial Hole



STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall Length
METRIC SIZES						
M3	0.5-1.5	4.8	4.8	5.4	0.4	9.0
M4	0.5-2.0	6.4	6.4	7.1	0.5	10.5
M5	0.5-3.0	7.2	7.2	8.1	0.6	12.0
M6	0.5-3.5	9.6	9.6	10.3	0.6	15.0
M8	0.7-3.8	10.6	10.6	11.5	0.6	16.0
M10	1.0-5.0	12.8	12.8	13.9	0.7	20.0
UNIFIED SIZES						
6-32	0.5-2.0	6.4	6.3	7.2	0.5	10.4
8-32	0.5-2.0	6.4	6.3	7.1	0.5	10.4
10-24	0.5-3.3	7.2	7.1	8.1	0.5	12.0
10-32	0.5-3.3	7.2	7.1	8.1	0.5	12.0
1/4-20	0.8-4.2	9.6	9.5	10.5	0.5	15.0
5/16-18	1.0-5.0	12.7	12.7	13.9	0.6	19.0
3/8-16	1.0-5.0	12.7	12.7	13.9	0.7	19.0

Reduced CSK Head - Knurled Body - Imperial Hole



The reduced countersunk head style offers near flush installation without any extra hole preparation. The knurled body type has extra resistance to turning forces especially when installed in softer materials.

STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Diameter	Body Diameter	Head Diameter	Head Thickness	Overall Length
M3	0.5-1.5	4.8	4.7	3.17	3.17	9.0
M4	0.5-2.0	6.4	6.3	3.17	3.17	10.5
M5	0.5-3.0	7.2	7.1	3.17	3.17	12.0
M6	0.5-3.5	9.6	9.5	3.17	3.17	15.0
M8	0.7-3.8	10.6	10.5	3.17	3.17	16.0

Reduced CSK Head - Knurled Body - Metric Hole



STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M3	0.5-2.0	5.0	4.9	6.0	0.5	9.0
M4	0.5-2.0	6.0	5.9	7.0	0.5	11.3
M4	2.0-4.0	6.0	5.9	7.0	0.5	13.0
M5	0.5-3.0	7.0	6.9	8.0	0.5	12.0
M5	2.0-4.0	7.0	6.9	8.0	0.5	13.0
M6	0.5-3.0	9.0	8.9	10.0	0.6	14.0
M6	2.5-4.5	9.0	8.9	10.0	0.6	16.0
M8	0.5-3.8	11.0	10.9	12.0	0.6	17.3
M8	3.0-5.0	11.0	10.9	12.0	0.6	18.5
M10	0.7-3.5	12.0	11.9	13.0	0.7	19.5
M10	0.7-3.5	13.1	12.9	14.0	0.8	21.0
M10	3.5-6.0	13.1	12.9	14.0	0.8	23.5
M12	1.0-3.5	16.1	15.9	17.0	1.0	24.2

Reduced CSK Head - Half Hex Body - Imperial Hole



Blind rivet nuts with a hexagon body fit into hexagon holes and eliminate the potential problem of rivet nuts turning after installation. The reduced countersunk head style offers near flush installation in thin materials without any extra hole preparation. The half-hex body style assists easy entry into the prepared holes.

STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M4	0.5-2.0	6.4	6.35	7.0	0.4	10.4
M5	0.5-3.0	7.2	7.1	8.1	0.5	12.0
M6	0.5-3.0	9.6	9.5	10.5	0.5	14.5
M8	0.7-3.2	10.7	10.5	11.5	0.6	16.0

Reduced CSK Head - Half Hex Body - Metric Hole



STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M3	0.5-1.5	5.1	4.9	6	0.5	9.3
M3	1.5-2.5	5.1	4.9	6	0.5	10
M4	0.5-2.0	6.1	5.9	7	0.5	12
M5	0.5-3.0	7.1	6.9	8	0.5	13
M6	0.5-3.0	9.1	8.9	10	0.6	16
M8	0.7-3.0	11.1	10.9	12	0.6	16.5
M10	0.8-3.5	13.1	13	14	0.8	20

Reduced CSK Head - Full Hex Body



STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M4	0.5-2.5	6.1	6	7	0.5	11
M4	2.0-4.0	6.1	6	7	0.5	12.2
M5	0.5-3.0	7.1	7	8	0.5	14.5
M5	2.0-4.5	7.1	7	8	0.6	15
M6	0.6-3.5	9.1	9	10	0.6	16
M6	3.0-5.5	9.1	9	10	0.6	18
M8	0.7-4.0	11.1	11	12	0.6	18
M8	3.0-5.5	11.1	11	12	0.6	19
M10	1.0-3.5	13.1	13	14.5	1	20
M10	3.0-6.0	13.1	13	14.5	1	25
M12	1.0-4.0	16.1	16	17.5	1	25

Reduced CSK Head - Plain Body - Imperial Hole - Closed End



Closed end rivet nuts prevent the ingress of moisture and contamination into a component and are available in all three head styles. If sealing the nut is critical then a dry under head sealant can be applied. The closed end rivet nuts can also be used to prevent too long a screw being inserted into the part.

STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M4	0.5-2.0	6.4	6.4	7.2	0.5	15
M5	0.5-3.0	7.2	7.1	8.1	0.5	20.2
M6	0.7-3.0	9.6	9.5	10.5	0.6	23.5
M8	0.7-3.5	10.6	10.5	11.5	0.6	23

Reduced CSK Head - Knurled Body - Metric Hole - Closed End



STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M4	0.5-2.0	6	5.9	7	0.5	15
M4	2.0-4.0	6	5.9	7	0.5	16.5
M5	0.5-2.5	7	6.9	8	0.5	16.5
M5	2.0-4.0	7	6.9	8	0.5	18
M6	0.5-3.0	9	8.9	10	0.6	20.5
M6	2.5-5.0	9	8.9	10	0.6	22
M8	0.7-3.0	11	10.9	12	0.6	23
M8	3.0-5.0	11	10.9	12	0.6	24.5
M10	1.0-3.0	13	12.9	14	0.7	24.5
M10	3.5-6.0	13	12.9	14	0.7	26

Reduced CSK Head - Full Hex Body - Metric Hole - Closed End



Other options:
Half Hex Body
Longer Grip Range

Please contact our sales department for further details.

STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M4	0.5-2.0	6.1	6	6.9	0.5	16
M5	0.5-3.0	7.1	7	8	0.5	20
M6	0.5-3.0	9.1	9	10	0.5	22
M8	0.7-3.0	11.1	11	12	0.6	25.5

Flange Head - Plain Body



The flange head style is suitable for load bearing applications as the larger diameter head reinforces the hole and increases push-out resistance. The head can also be used as a spacer; the knurled body type provides extra resistance to turning especially when installed in softer materials.

STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M4	0.5-2.5	6	5.9	9	0.8	11.5
M5	0.5-2.5	7	6.9	10	1	13
M6	0.5-3.0	9	8.9	12.5	1.3	15.5
M8	0.7-4.0	11	10.9	15	1.5	18
M10	1.0-3.5	12	11.9	16	1.6	19
M10	1.0-5.0	13	12.9	17	1.7	19.3
M12	1.0-4.0	16.1	15.9	23	2	27

Flange Head - Knurled Body



Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M3	0.5-2.0	5	4.9	8	0.8	10
M3	2.5-4.0	5	4.9	7	0.9	11.5
M4	0.5-2.5	6	5.9	9	1	11.6
M4	3.0-5.5	6	5.9	9	1	14
M5	0.5-2.5	7	6.9	10	1	13
M5	3.0-5.5	7	6.9	10	1	16
M5	5.5-8.0	7	6.9	10	1	19
M6	0.5-3.0	9	8.9	12.5	1.5	16
M6	3.0-5.5	9	8.9	12.3	1.3	19.5
M6	5.5-8.0	9	8.9	12.3	1.5	21
M8	0.7-3.0	11	10.9	16	1.5	18.5
M8	3.0-5.5	11	10.9	16	1.5	21
M8	5.5-8.0	11	10.9	15	1.6	24
M8	8.0-10.5	11	10.9	15	1.6	25
M10	1.0-3.5	12	11.9	16	2	19
M10	3.0-6.0	12	11.9	16	2	24
M10	6.0-9.0	12	11.9	16	2	27
M10	9.0-12.0	12	11.9	16	2	30
M10	1.0-3.5	13	12.9	19	2	21
M10	3.5-6.0	13	12.9	19	2	23.5
M12	1.0-4.0	16	15.9	22	2.1	25
M12	4.0-7.0	16	15.9	22	2.1	28
M12	7.0-10.0	16	15.9	22	2.1	31

Flange Head - Full Hex Body



Other options:
Half Hex Body

Please contact our sales department for further details.

This style of rivet nut is suitable for applications where both high push-out and high torque-out performance are required.

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M4	0.5-2.5	6.1	6	9	0.8	11.2
M5	0.5-2.5	7.1	7	10	1	14
M6	0.5-3.0	9.1	9	13	1.3	15.5
M6	3.0-5.5	9.1	9	13	1.5	18
M8	0.7-3.5	11.1	11	16	1.5	18
M8	3.0-5.5	11.1	11	16	1.5	20.5
M10	1.0-4.0	13.1	13	19	2	22
M10	3.5-6.0	13.1	13	19	2	25.5
M12	1.0-4.0	16.1	16	23	2	27

Flange Head - Knurled Body - Closed End



STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M3	0.5-2.5	5	4.9	7	0.9	15
M3	2.5-4.0	5	4.9	7	0.9	16
M4	0.5-3.0	6	5.9	9	1	16
M4	3.0-5.5	6	5.9	9	1	19
M5	0.5-3.0	7	6.9	10	1	18.5
M5	3.0-5.5	7	6.9	10	1	21.5
M5	5.5-8.0	7	6.9	10	1	24.5
M6	0.5-3.0	9	8.9	12	1.5	21.5
M6	3.0-5.5	9	8.9	12	1.5	24
M6	5.5-8.0	9	8.9	12	1.5	26.5
M8	0.5-3.0	11	10.9	15	1.5	26
M8	3.0-5.5	11	10.9	15	1.5	28.5
M8	5.5-8.0	11	10.9	15	1.5	31
M8	8.0-10.5	11	10.9	15	1.5	33.5
M10	0.5-3.0	12	11.9	16	2	28
M10	3.0-6.0	12	11.9	16	2	33
M10	6.0-9.0	12	11.9	16	2	36
M10	9.0-12.0	12	11.9	16	2	39

Flange Head - Full Hex Body - Closed End



Other options: Half Hex Body

Please contact our sales department for further details.

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M4	0.5-2.0	6.1	6	9	1	16
M5	0.5-3.0	7.1	7	10	1	20
M6	0.5-3.0	9.1	9	13	1.5	23
M8	0.5-3.0	11.1	11	16	1.5	26
M8	3.0-5.5	11.1	11	16	1.5	28.5
M10	0.8-3.5	13.1	13	19	2	33

Split Body Rivet Nuts



The split body rivet nuts are ideal for use in plastic materials, thin sheet and hollow sections where very high pull-out forces are required. The 4 legs expand behind the parent material to provide a large load-bearing area.

STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M4	0.1-5.0	8	8	12	1.6	17
M4	5.0-10.0	8	8	12	1.6	22
M5	0.1-5.0	10	10	14	1.6	18
M5	5.0-10.0	10	10	14	1.6	23
M6	0.1-5.0	12	12	16	1.6	18
M6	5.0-10.0	12	12	16	1.6	23
M8	0.1-8.0	15	15	18	1.8	20.5
M8	5.0-12.0	15	15	18	1.8	25.5

Reduced CSK Head - Knurled Body - Imperial Hole



The reduced CSK head split body rivet nuts are ideal for use in soft or brittle materials such as plastic, paperboard and GRP. The 3 legs expand behind the parent material to provide a large footprint and excellent pull-out resistance.

STEEL ZINC Cr3 FINISH

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M6	0.5-7.1	10.0-10.2	9.8	16.4	1.6	27.4
M6	7.1-12.7	10.0-10.2	9.8	16.4	1.6	33.3
M8	0.5-7.1	12.7-12.9	12.6	19.6	1.7	31.3
M8	7.1-12.7	12.7-12.9	12.6	19.6	1.7	37
M10	0.5-7.1	15.1-15.3	14.9	22.7	2.4	33.7

Countersunk Head - Knurled Body



Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M3	1.5-3.5	5	4.9	7.5	1.5	11.5
M3	3.5-5.0	5	4.9	7.5	1.5	12.5
M4	1.5-3.5	6	5.9	8.5	1.5	12
M4	3.5-6.5	6	5.9	8.5	1.5	15
M5	1.5-4.0	7	6.9	9.5	1.5	13
M5	4.0-6.5	7	6.9	9.5	1.5	16
M5	6.5-9.0	7	6.9	9.5	1.5	18.5
M6	1.5-4.0	9	8.9	11.5	1.5	15.5
M6	4.0-6.5	9	8.9	11.5	1.5	18
M6	6.5-9.0	9	8.9	11.5	1.5	20.5
M8	1.7-4.5	11	10.9	13.5	1.5	18.5
M8	4.0-6.5	11	10.9	13.5	1.5	21
M8	6.5-9.0	11	10.9	13.5	1.5	23.5
M10	2.0-4.5	12	11.9	14.5	1.7	21
M10	4.5-7.5	12	11.9	14.5	1.7	24
M10	7.5-10.5	12	11.9	14.5	1.7	27
M12	2.0-4.5	16	15.9	19	1.9	24.5
M12	4.5-7.5	16	15.9	19	1.9	27.5
M12	7.5-10.5	16	15.9	19	1.9	31

Countersunk Head - Knurled Body - Closed End



Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Diameter	Head Thickness	Overall Length
M3	1.5-3.5	5	4.9	7.5	1.5	16
M3	3.5-5.0	5	4.9	7.5	1.5	17
M4	1.5-4.0	6	5.9	8.5	1.5	17.5
M4	4.0-6.5	6	5.9	8.5	1.5	20
M5	1.5-4.0	7	6.9	9.5	1.5	20
M5	4.0-6.5	7	6.9	9.5	1.5	22.5
M5	6.5-9.0	7	6.9	9.5	1.5	25
M6	1.5-4.0	9	8.9	11.5	1.5	23
M6	4.0-6.5	9	8.9	11.5	1.5	25.5
M6	6.5-9.0	9	8.9	11.5	1.5	28
M8	1.5-4.0	11	10.9	13.5	1.5	27
M8	4.0-6.5	11	10.9	13.5	1.5	29.5
M8	6.5-9.0	11	10.9	13.5	1.5	32
M10	2.0-4.5	12	11.9	14.5	1.7	30
M10	4.5-7.5	12	11.9	14.5	1.7	33
M10	7.5-10.5	12	11.9	14.5	1.7	36
M12	2.0-4.5	16	15.9	19	1.9	34.5
M12	4.5-7.5	16	15.9	19	1.9	37.5
M12	7.5-10.5	16	15.9	19	1.9	40.5

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Reduced CSK Head - Plain Body - Imperial Hole



The reduced countersunk head style offers near flush installation without any extra hole preparation. The knurled body type has extra resistance to turning forces especially when installed in softer materials.

STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M3	0.5-1.5	4.8	4.7	5.5	0.5	9.2
M4	0.5-2.0	6.4	6.3	7	0.5	10.5
M5	0.5-3.0	7.2	7.1	8	0.5	12
M6	0.5-3.0	9.6	9.5	10.5	0.5	14.6
M8	0.5-3.0	10.6	10.5	11.5	0.5	16.2

Reduced CSK Head - Knurled Body - Metric Hole



STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M3	0.5-2.0	5	4.9	6	0.5	9
M4	0.5-2.5	6	5.9	7	0.5	11
M4	2.5-4.0	6	5.9	7	0.5	12.5
M5	0.5-3.0	7	6.9	8	0.5	12
M5	3.0-4.5	7	6.9	8	0.5	13.5
M6	0.5-3.0	9	8.9	10	0.5	14
M6	3.0-5.0	9	8.9	10	0.5	16
M8	0.7-3.0	11	10.9	12	0.5	16
M8	3.0-5.5	11	10.9	12	0.5	18.5
M10	1.0-3.5	13	12.9	14.2	0.8	19
M10	3.5-6.0	13	12.9	14.2	0.8	21.5
M12	1.0-4.0	16	15.9	17.2	0.8	22.5

* This part (M12) has a smooth body.

Reduced CSK Head - Half Hex Body



STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M3	0.5-2.0	5.1	5	6	0.4	9
M3	2.0-3.2	5.1	5	6	0.4	9.5
M4	0.5-2.5	6.1	6	7	0.5	11
M4	2.5-4.0	6.1	6	7	0.5	12.5
M5	0.5-3.0	7.1	7	8	0.5	12
M5	3.0-4.5	7.1	7	8	0.5	13.5
M6	0.5-3.0	9.1	9	10	0.5	14
M6	3.0-5.0	9.1	9	10	0.5	16
M8	0.5-3.0	11.1	11	12	0.5	16
M8	3.0-5.0	11.1	11	12	0.5	18.5
M10	1.0-3.5	13.1	13	14.2	0.7	19

Reduced CSK Head - Closed End



Closed end rivet nuts prevent the ingress of moisture and contamination into a component and are available in all three head styles. If sealing the nut is critical then a dry under head sealant can be applied. The closed end rivet nuts can also be used to prevent too long a screw being inserted and damaging the part.

STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia. Max	Head Thickness	Overall length
M3	0.5-2.0	5.1	5	6	0.5	13
M4	0.5-2.5	6.1	6	7	0.5	16
M5	0.5-3.0	7.1	7	8	0.5	18
M6	0.5-3.0	9.1	9	10	0.5	21
M8	0.5-3.0	11.1	11	12	0.5	23.5
M10	1.0-3.5	13.1	13	14.2	0.8	26.5

Reduced CSK Head - Half Hex Body - Closed End



Blind rivet nuts with a hexagon body fit into hexagon holes and eliminate the potential problem of rivet nuts turning after installation. The reduced countersunk head style offers near flush installation in thin materials without any extra hole preparation.

STAINLESS STEEL A2

Thread Size	Grip Range	Hole Size AF	Body Size AF	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6.1	6	7	0.5	16
M4	2.5-4.0	6.1	6	7	0.5	17.5
M5	0.5-3.0	7.1	7	8	0.5	18
M5	3.0-5.0	7.1	7	8	0.5	20.5
M6	0.5-3.0	9.1	9	10	0.5	21
M6	3.0-5.0	9.1	9	10	0.5	23.5
M8	0.5-3.0	11.1	11	12	0.5	23.5
M8	3.0-5.5	11.1	11	12	0.5	26.5
M10	1.0-3.5	13.1	13	14.2	0.8	26.5

Flange Head - Knurled Body



STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M3	0.5-2.0	5	4.9	8	0.8	9.8
M4	0.5-2.5	6	5.9	9	1	12
M4	2.5-4.0	6	5.9	9	1	13.5
M5	0.5-3.0	7	6.9	10	1	13
M5	3.0-5.5	7	6.9	10	1	16
M6	0.5-3.0	9	8.9	12	1.5	15.5
M6	3.0-5.5	9	8.9	12	1.5	17.5
M8	0.5-3.0	11	10.9	15	1.5	17.5
M8	3.0-5.5	11	10.9	15	1.5	20
M10	1.0-3.5	13	12.9	17	2	21
M10	3.5-6.0	13	12.9	19	2	24
M12	1.0-4.0	16	15.9	23	2	25

Flange Head - Plain Body



NOTE: Please consider using the popular alternative knurled type.

STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M3	0.5-2.0	5	4.9	8	0.8	9.8
M4	0.5-2.5	6	5.9	9	1	12
M4	2.5-4.0	6	5.9	9	1	13.5
M5	0.5-3.0	7	6.9	10	1	13
M5	3.0-4.5	7	6.9	10	1	14.5
M6	0.5-3.0	9	8.9	12	1.5	15.5
M6	3.0-5.0	9	8.9	12	1.5	17.5
M8	0.5-3.0	11	10.9	15	1.5	17.5
M8	3.0-5.5	11	10.9	15	1.5	20

Flange Head - Half Hex Body



The flange head style is suitable for load bearing applications as the larger diameter head reinforces the hole and increases push-out resistance.

STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6.1	6	9	1	12
M4	2.5-4.0	6.1	6	9	1	13.5
M5	0.5-3.0	7.1	7	10	1	13
M5	3.0-4.5	7.1	7	10	1	14.5
M6	0.5-3.0	9.1	9	12	1.5	15.5
M6	3.0-5.0	9.1	9	12	1.5	17.5
M8	0.5-3.0	11.1	11	14.5	1.5	17.5
M8	3.0-5.5	11.1	11	14.5	1.5	20
M10	1.0-3.5	13.1	13	16.5	2	21

Flange Head - Half Hex Body - Closed End



Longer grip version also available, if required please request details.

STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6.1	6	9	1	17
M5	0.5-3.0	7.1	7	10	1	19
M6	0.5-3.0	9.1	9	12	1.5	22.5
M8	0.5-3.0	11.1	11	15	1.5	25
M10	0.8-3.5	13.1	13	17	1.5	30

Countersunk Head - Plain Body



The countersunk head style provides a strong head form and will install flush in a countersunk hole. Suitable for use in material of 1.5mm or greater thickness.

STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M4	1.5-4.0	6	5.9	8.5	1.5	12
M5	1.5-4.5	7	6.9	9.5	1.5	13.5
M6	1.5-4.5	9	8.9	11.5	1.5	16
M8	1.5-4.5	11	10.9	13.5	1.5	18

Flange Head - Closed End



Closed end rivet nuts prevent the ingress of moisture and contamination into a component and are available in both round and hexagon body style. If sealing the nut is critical then a dry under head sealant can be applied. The closed end rivet nuts can also be used to prevent too long a screw being inserted and damaging the part.

STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6.1	6	9	1	17
M5	0.5-3.0	7.1	7	10	1	19
M6	0.5-3.0	9.1	9	12	1.5	22.5
M6	3.0-5.0	9.1	9	12	1.5	25
M8	0.5-3.0	11.1	11	15	1.5	25
M8	3.0-5.5	11.1	11	15	1.5	27.5
M10	1.0-3.5	13.1	13	17	2	28.5

Countersunk Head - Knurled Body



STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M3	1.5-3.5	5	4.9	7.5	1.5	11.5
M4	1.5-4.0	6	5.9	8.5	1.5	12.5
M5	1.5-4.5	7	6.9	9.5	1.5	13.5
M5	4.0-6.5	7	6.9	9.5	1.5	16
M6	1.5-4.5	9	8.9	11.5	1.5	16
M6	4.0-6.5	9	8.9	11.5	1.5	18
M8	1.5-4.5	11	10.9	13.5	1.5	18
M8	4.0-6.5	11	10.9	13.5	1.5	21
M10	2.0-4.5	13	12.9	15.5	1.8	21
M10	4.5-7.5	13	12.9	15.5	1.8	24
M12	2.0-4.5	16	15.9	19	2	24.5
M12	4.5-7.5	16	15.9	19	2	27.5

Countersunk Head - Plain Body - Closed End



STAINLESS STEEL A2

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M4	1.3-3.0	6.1	6	7.8	1	16.1
M4	2.0-3.7	6.1	6	7.8	1	16.8
M5	1.5-3.5	7.1	7	8.8	1	18.5
M5	2.5-4.5	7.1	7	8.8	1	19.5
M6	1.5-3.5	9.1	9	10.8	1	21.9
M6	2.5-4.5	9.1	9	10.8	1	22.9
M6	3.5-5.5	9.1	9	10.8	1	23.9
M8	1.8-4.2	11.1	11	13.8	1.5	26
M8	2.5-5.0	11.1	11	13.8	1.5	26.8
M8	4.0-6.6	11.1	11	13.8	1.5	28.2
M10	2.0-5.5	13.1	13	15.8	1.5	33.4
M10	4.0-7.0	13.1	13	15.8	1.5	34.9

Reduced CSK Head - Plain Body



The reduced countersunk head style rivet nuts offer near flush installation without any extra hole preparation.

ALUMINIUM ALLOY

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M4	1.0-3.5	6.1	6	7	0.5	12
M5	1.0-3.5	7.1	7	8	0.5	13
M6	1.0-4.0	9.1	9	10	0.5	15.5
M8	1.0-4.0	11.1	11	12	0.7	17
M4	6.73	6.73	9.52	3.17	3.17	3.17

Reduced CSK Head - Knurled Body



ALUMINIUM ALLOY

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M3	0.5-2.5	5	4.9	6	0.6	9.5
M4	0.5-2.0	6	5.9	7	0.6	10.5
M5	0.5-2.0	7	6.9	8	0.6	11.5
M6	0.5-2.5	9	8.9	10	0.6	14
M8	0.5-2.5	11	10.9	12	0.6	15.5
M10	1.0-3.0	13	12.9	14.1	0.7	17.7

Reduced CSK Head - Closed End



Closed end aluminium rivet nuts prevent the ingress of moisture and contamination into a component and are available in all three head styles.

ALUMINIUM ALLOY

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M4	0.5-3.0	6.1	6	6.9	0.6	16
M5	0.5-3.0	7.1	7	7.9	0.6	18
M6	0.5-3.5	9.1	9	9.9	0.6	21.5

Flange Head



The flange head style is suitable for load bearing applications as the larger diameter head reinforces the hole and increases push-out resistance.

ALUMINIUM ALLOY

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M4	0.5-2.0	6	5.9	9	0.8	10.5
M5	0.5-3.0	7	6.9	10	1	13
M6	0.5-3.0	9	8.9	13	1.5	16
M8	0.5-3.0	11	10.9	16	1.5	18
M10	1.0-4.0	13	12.9	16.5	1.6	19

Flange Head - Knurled Body



ALUMINIUM ALLOY

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M3	0.5-2.5	5	4.9	7	0.8	10.5
M3	2.5-3.5	5	4.9	7	0.8	11.5
M4	0.5-3.0	6	5.9	9	1	11
M4	3.0-4.5	6	5.9	9	1	14
M5	0.5-2.5	7	6.9	10	1	13
M5	3.0-5.5	7	6.9	10	1	16
M5	5.5-8.0	7	6.9	10	1	19
M6	0.5-2.5	9	8.9	12	1.5	15
M6	3.0-5.5	9	8.9	12	1.5	18.5
M6	5.5-8.0	9	8.9	12	1.5	21
M8	0.5-3.0	11	10.9	15	1.5	17
M8	3.0-5.5	11	10.9	15	1.5	20
M8	5.5-8.0	11	10.9	15	1.5	22.5
M8	8.0-10.5	11	10.9	15	1.5	25
M10	0.5-3.0	12	11.9	16	2	19
M10	3.0-6.0	12	11.9	16	2	24
M10	6.0-9.0	12	11.9	16	2	27
M10	9.0-12.0	12	11.9	16	2	30
M12	1.0-4.0	16	15.9	22	2	25
M12	4.0-7.0	16	15.9	22	2	28
M12	7.0-10.0	16	15.9	22	2	31

Flange Head - Knurled Body - Closed End



ALUMINIUM ALLOY

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M3	0.5-2.5	5	4.9	7	0.8	15
M3	2.5-3.5	5	4.9	7	0.8	16
M4	0.5-3.0	6	5.9	9	1	16
M4	3.0-4.5	6	5.9	9	1	19
M5	0.5-3.0	7	6.9	10	1	18.5
M5	3.0-5.5	7	6.9	10	1	21.5
M5	5.5-8.0	7	6.9	10	1	24.5
M6	0.5-3.0	9	8.9	12	1.5	21.5
M6	3.0-5.5	9	8.9	12	1.5	24
M6	5.5-8.0	9	8.9	12	1.5	26.5
M8	0.5-3.0	11	10.9	15	1.5	26
M8	3.0-5.5	11	10.9	15	1.5	28.5
M8	5.5-8.0	11	10.9	15	1.5	31
M8	8.0-10.5	11	10.9	15	1.5	33.5
M10	0.5-3.0	12	11.9	16	2	28
M10	3.0-6.0	12	11.9	16	2	33
M10	6.0-9.0	12	11.9	16	2	36
M10	9.0-12.0	12	11.9	16	2	39

Countersunk Head



The countersunk head style provides a strong head form and will install flush in a countersunk hole. Suitable for use in material of 1.5mm or greater thickness.

ALUMINIUM ALLOY

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M4	1.5-3.5	6	5.9	8.5	1.5	11.5
M5	1.5-4.0	7	6.9	9.5	1.5	13
M6	1.5-4.0	9	8.9	11.5	1.5	16
M8	1.5-4.5	11	10.9	13.5	1.5	18.5

Countersunk Head - Knurled Body



ALUMINIUM ALLOY

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M3	1.5-3.5	5	4.9	7.5	1.5	11.5
M3	3.5-4.5	5	4.9	7.5	1.5	12.5
M4	1.5-4.0	6	5.9	8.5	1.5	12.5
M4	4.0-5.5	6	5.9	8.5	1.5	15
M5	1.5-4.0	7	6.9	9.5	1.5	13.5
M5	4.0-6.5	7	6.9	9.5	1.5	16
M5	6.5-9.0	7	6.9	9.5	1.5	18.5
M6	1.5-4.0	9	8.9	11.5	1.5	15.5
M6	4.0-6.5	9	8.9	11.5	1.5	18
M6	6.5-9.0	9	8.9	11.5	1.5	20.5
M8	1.5-4.0	11	10.9	13.5	1.5	18.5
M8	4.0-6.5	11	10.9	13.5	1.5	21
M8	6.5-9.0	11	10.9	13.5	1.5	23.5
M10	2.0-4.5	12	11.9	14.5	1.7	21
M10	4.5-7.5	12	11.9	14.5	1.7	24
M10	7.5-10.5	12	11.9	14.5	1.7	27
M12	2.0-4.5	16	15.9	19	1.9	24.5
M12	4.5-7.5	16	15.9	19	1.9	27.5
M12	7.5-10.5	16	15.9	19	1.9	31

Countersunk Head - Closed End



ALUMINIUM ALLOY

Thread Size	Grip Range	Hole Dia.	Body Dia.	Head Dia.	Head Thickness	Overall length
M4	1.5-3.5	6.1	6	9	1.5	16
M4	3.0-5.0	6.1	6	9	1.5	17.5
M5	1.5-4.0	7.1	7	10	1.5	19
M5	3.5-6.0	7.1	7	10	1.5	21
M6	1.5-4.5	9.1	9	12	1.5	23
M6	4.0-6.5	9.1	9	12	1.5	25
M8	1.5-4.5	11.1	11	14	1.5	25.5
M8	4.0-6.5	11.1	11	14	1.5	27.5

QUALITY

- ISO 9001:2015 Certified
- Certificate of Conformity Provided
- Full Traceability
- Manufacturers Test Certificates Available

Reduced CSK Head - Knurled Body



A4 (316) grade stainless steel is the most corrosion resistant grade used for fasteners with an increased percentage content of nickel and added molybdenum. The result is better resistance to aggressive conditions, acids and chlorides found in marine, coastal and some industrial applications.

STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6	6	7	0.5	11
M5	0.5-3.0	7	7	8	0.5	12
M6	0.5-3.0	9	9	10	0.5	14
M8	0.5-3.0	11	11	12	0.5	16
M10	1.0-3.5	13	13	14.2	0.8	19

CSK Head - Plain Body



STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6	6	7	0.5	11
M5	0.5-3.0	7	7	8	0.5	12
M6	0.5-3.0	9	9	10	0.5	14
M8	0.5-3.0	11	11	12	0.5	16

Reduced CSK Head - Half Hex Body



The reduced countersunk head style offers near flush installation without any extra hole preparation. The halfhexagon body type completely eliminates any chance of the rivet nut rotating in the application.

STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6.1	6	7	0.5	11
M5	0.5-3.0	7.1	7	8	0.5	12
M6	0.5-3.0	9.1	9	10	0.5	14.5
M8	0.5-3.0	11.1	11	12	0.5	16
M8	3.0-5.0	11.1	11	12	0.5	18.5
M10	1.0-3.5	13.1	13	14.2	0.7	19

Reduced CSK Head - Closed End



A4 (316) grade stainless steel is the most corrosion resistant grade used for fasteners with an increased percentage content of nickel and added molybdenum. The result is better resistance to aggressive conditions, acids and chlorides found in marine, coastal and some industrial applications.

STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6	5.9	7	0.5	16
M5	0.5-3.0	7	6.9	8	0.5	18
M6	0.5-3.0	9	8.9	10	0.5	21
M8	0.5-3.0	11	10.9	12	0.5	23.5

Reduced CSK Head - Half Hex Body - Closed End



Closed end rivet nuts prevent the ingress of moisture and contamination into a component and are available in both round and hexagon body style. If sealing the nut is critical then a dry under head sealant can be applied. The closed end rivet nuts can also be used to prevent too long a screw being inserted and damaging the part.

STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6.1	6	7	0.5	16
M5	0.5-3.0	7.1	7	8	0.5	18
M6	0.5-3.0	9.1	9	10	0.5	21
M8	0.5-3.0	11.1	11	12	0.5	23.5

Countersunk Head



The countersunk head style provides a strong head form and will install flush in a countersunk hole. Suitable for use in material of 1.5mm or greater thickness.

STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M5	1.5-4.0	7	6.9	9.5	1.5	13.5
M6	1.5-4.0	9	8.9	11.5	1.5	15.5
M8	1.5-4.0	11	10.9	13.5	1.5	18.5

Flange Head - Knurled Body



The flange head style is suitable for load bearing applications as the larger diameter head reinforces the hole and increases push-out resistance.

● STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M3	0.3-2.0	5	5	8	0.8	9.8
M4	0.3-2.5	6	6	9	1	12
M5	0.3-3.0	7	7	10	1	13
M6	0.5-3.0	9	9	12	1.5	15.5
M8	0.5-3.0	11	11	15	1.5	17.5
M10	1.0-3.5	13	13	17	2	21

Flange Head



● STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6	6	9	1	12
M5	0.5-3.0	7	7	10	1	13
M6	0.5-3.0	9	9	12	1.5	15.5
M6	3.0-5.0	9	9	12	1.5	18
M8	0.5-3.0	11	11	15	1.5	17.5

Flange Head - Closed End



A4 (316) grade stainless steel is the most corrosion resistant grade used for fasteners with an increased percentage content of nickel and added molybdenum. The result is better resistance to aggressive conditions, acids and chlorides found in marine, coastal and some industrial applications.

● STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6	6	9	1	17
M5	0.5-3.0	7	7	10	1	19
M6	0.5-3.0	9	9	12	1.5	22.5
M8	0.5-3.0	11	11	15	1.5	25

Flange Head - Half Hex Body



This style of rivet nut is suitable for applications where both high push-out and high torque-out performance are required.

● STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6.1	6	9	1	12
M5	0.5-3.0	7.1	7	10	1	13
M6	0.5-3.0	9.1	9	12	1.5	15.5
M8	0.5-3.0	11.1	11	14.5	1.5	17.5
M10	1.0-3.5	13.1	13	16.5	2	21

Flange Head - Half Hex Body - Closed End



● STAINLESS STEEL A4 (316) extra high corrosion resistance

Thread Size	Grip Range	Hole Dia.	Body Dia. Max	Head Dia.	Head Thickness	Overall length
M4	0.5-2.5	6.1	6	9	1	17
M5	0.5-3.0	7.1	7	10	1	19
M6	0.5-3.0	9.1	9	12	1.5	22.5
M8	0.5-3.0	11.1	11	14.5	1.5	25
M10	1.0-3.5	13.1	13	16.5	2	28.5



Blind Rivets

Section Contents

Dome Head	P22
Countersunk Head	P22
Large Head	P22
Sealed Body Type	P22
Multigrip Type	P22

Aluminium / Steel Type DOME HEAD



- Din Standard
- ALMg 2.5/3.5 Body
- Steel Zinc Cr3 Mandrel

Steel / Steel Type DOME HEAD



- Din Standard
- Steel Zinc Cr3 Body
- Steel Zinc Cr3 Mandrel

Stainless / Stainless Type DOME HEAD



- Din Standard
- A2 Stainless Steel Body
- Grooved A2 Stainless Steel Mandrel

Aluminium / Steel Type COUNTERSUNK HEAD



- Din Standard
- ALMg 2.5/3.5 Body
- Steel Zinc Cr3 Mandrel

Steel / Steel Type COUNTERSUNK HEAD



- Din Standard
- Steel Zinc Cr3 Body
- Steel Zinc Cr3 Mandrel

Stainless / Stainless COUNTERSUNK HEAD



- Din Standard
- A2 Stainless Steel Body
- Grooved A2 Stainless Steel Mandrel

Aluminium / Steel Type LARGE HEAD



- Din Standard
- ALMg 2.5/3.5 Body
- Steel Zinc Cr3 Mandrel

Aluminium / Steel Type SEALED BODY TYPE



- Din Standard
- ALMg 2.5/3.5 Body
- Steel Phosphated Mandrel

Aluminium / Steel Type MULTIGRIP TYPE



- Wider Grip Range
- Superior hole fill & clamping performance

FULL DETAILS REQUEST

Request latest stock listing for full details of rivet sizes and grip ranges! With an extensive product range in stock, utilising a large variety of highly accredited suppliers and a next day delivery service available we are able to suit any customer's requirements efficiently and effectively.





Clinch Fasteners

Section Contents

Clinch Studs	P26
Clinch Pins	P26 - P27
Clinch Nuts	P27 - P28
Clinch Standoffs	P28
Clinch Panel Fasteners	P28

Clinch Studs



Clinch studs provide a strong thread in thin metal materials and are available in a large range of sizes. They are flush on the reverse side when installed using a press with a squeezing action.

STEEL ZINC

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge	Length Range Available
M2	2	1	5	6 to 16
M2.5	2.5	1	5.4	6 to 18
M3	3	1	5.6	6 to 35
M3.5	3.5	1	6.4	8 to 18
M4	4	1	7.2	6 to 50
M5	5	1	7.2	8 to 50
M6	6	1.6	7.9	8 to 50
M8	8	2.4	9.6	12 to 60

STAINLESS STEEL

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge	Length Range Available
M2.5	2.5	1	5.4	6 to 18
M3	3	1	5.6	6 to 35
M3.5	3.5	1	6.4	8 to 18
M4	4	1	7.2	6 to 50
M5	5	1	7.2	8 to 38
M6	6	1.6	7.9	10 to 50
M8	8	2.4	9.6	12 to 50

EXTRA HARD STAINLESS

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge	Length Range Available
M3	3	1	5.6	6 to 25
M4	4	1	7.2	6 to 25
M5	5	1	7.2	8 to 25
M6	6	1.6	7.9	10 to 30

UNF & UNC thread sizes also available.

Clinch Studs - Standard Length Sizes

6	8	10	12	14	15	16	18	20
22	25	30	35	38	40	45	50	mm

Close-To-Edge Clinch Studs



Close-to-edge clinch studs can be installed closer to the edge of the panel than standard clinch studs without causing edge distortion. They require the same hole size UNF & UNC thread sizes also available, as standard clinch studs.

STEEL ZINC PLATED

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge	Length Range Available
M2.5	2.5	1	2.8	6 to 15
M3	3	1	3.3	6 to 20
M4	4	1	4.3	6 to 20
M5	5	1	5.6	10 to 15

STAINLESS STEEL

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge	Length Range Available
M2.5	2.5	1	2.8	6 to 15
M3	3	1	3.3	6 to 20
M4	4	1	4.3	6 to 20
M5	5	1	5.6	10 to 15

Heavy Duty Clinch Studs



Heavy duty clinch studs have a larger and thicker head which greatly increases the torque-out and pull-out performance. The head remains partly protruding after installation.

STEEL ZINC PLATED/STAINLESS STEEL

Thread Size x Overall Length	Hole Diameter	Minimum Sheet Thickness	Head Dia.	Head protrusion when installed	Min. distance centre to edge
M6 X 15	6.0	1.5	9.4	1.3	11.5
M6 X 20					
M8 X 16	8.0	2.0	12.5	1.8	12.7
M8 X 20					
M8 X 25					
M8 X 30					
M8 X 35					
M10 X 15	10.0	2.3	15.7	2.3	13.7
M10 X 20					
M10 X 25					
M10 X 30					
M10 X 35					
M10 X 40	10.0	2.3	15.7	2.3	13.7
M10 X 50					

Clinch Pins



Clinch pins have all the cost saving advantages of clinch studs and provide a smooth pin for locating or attaching to. They are flush on the reverse side when installed.

STEEL ZINC PLATED

Thread Size x Overall Length	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge
3MM X 6	3.5	1.0	6.4
3MM X 8			
3MM X 10			
3MM X 12			
4MM X 6	4.1	1.0	7.1
4MM X 8			
4MM X 10			
4MM X 12			
4MM X 15	5.5	1.0	7.6
4MM X 20			
5MM X 8			
5MM X 10			
5MM X 12	6.5	1.6	7.9
5MM X 15			
5MM X 20			
5MM X 25			
6MM X 10	6.5	1.6	7.9
6MM X 12			
6MM X 15			
6MM X 20			
6MM X 30	6.5	1.6	7.9
6MM X 30			

Clinch Pilot Pins



Clinch pilot pins have a chamfered end to assist in alignment of the mating part. They are flush on the reverse side when installed.

STAINLESS STEEL

Thread Size x Overall Length	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge
3MM X 8	3.5	1.0	6.4
3MM X 10			
3MM X 12			
3MM X 16			
4MM X 8	4.5	1.0	7.1
4MM X 10			
4MM X 12			
4MM X 16			
5MM X 10	5.5	1.0	7.6
5MM X 12			
5MM X 16			
5MM X 20			
6MM X 12	6.5	1.6	7.9
6MM X 16			
6MM X 20			

Clinch Nuts



Hardened steel nuts which are suitable for use in material of up to 80HRB hardness.

Made of 303 grade Stainless and suitable for use in material of up to 70HRB hardness.

Made of extra hard stainless material and suitable for use in material of up to 90HRB hardness. They do have some magnetic properties.

UNF & UNC thread sizes also available.

Thread Size-Shank Code	Suitable Sheet Thickness	Hole Diameter	Nut Body Diameter	Nut Body Thickness	Min. distance centre to edge
M2-0	0.8-1.0	4.25	6.30	1.5	4.8
M2-1	1.0-1.4				
M2-2	1.4+				
M2.5-0	0.8-1.0	4.25	6.30	1.5	4.8
M2.5-1	1.0-1.4				
M2.5-2	1.4+				
M3-0	0.8-1.0	4.25	6.30	1.5	4.8
M3-1	1.0-1.4				
M3-2	1.4+				
M3.5-0	0.8-1.0	4.75	7.10	1.5	5.6
M3.5-1	1.0-1.4				
M3.5-2	1.4+				
M4-0	0.8-1.0	5.40	7.90	2.0	6.9
M4-1	1.0-1.4				
M4-2	1.4+				
M5-0	0.8-1.0	6.40	8.70	2.0	7.1
M5-1	1.0-1.4				
M5-2	1.4+				
M6-0	1.2-1.4	8.75	11.05	4.1	8.6
M6-1	1.4-2.3				
M6-2	2.3+				
M8-1	1.4-2.3	10.50	12.65	5.5	9.7
M8-2	2.3+				
M10-1	2.3-3.2	14.00	17.35	7.5	13.5
M10-2	3.2+				

Clinch Blind Nuts



Clinch blind nuts have an extended section which encloses the screw thread and prevents ingress of moisture and contamination into the component. They require the same hole size as standard clinch nuts.

STEEL ZINC PLATED

Thread Size - Shank Code	Suitable Sheet Thickness	Hole Diameter	Max Body Diameter	Body Height	Min. dist' centre to edge
M3-1	1.0-1.4	4.25	6.35	9.6	4.8
M3-2	1.4+				
M4-1	1.0-1.4	5.4	7.95	11.2	6.9
M4-2	1.4+				
M5-1	1.0-1.4	6.4	8.75	11.2	7.1
M5-2	1.4+				
M6-1	1.4-2.3	8.75	11.1	14.3	8.6
M6-2	2.3+				

STAINLESS STEEL

Thread Size - Shank Code	Suitable Sheet Thickness	Hole Diameter	Max Body Diameter	Body Height	Min. dist' centre to edge
M3-1	1.0-1.4	4.25	6.35	9.6	4.8
M3-2	1.4+				
M4-1	1.0-1.4	5.4	7.95	11.2	6.9
M4-2	1.4+				
M5-1	1.0-1.4	6.4	8.75	11.2	7.1
M5-2	1.4+				
M6-1	1.4-2.3	8.75	11.1	14.3	8.6
M6-2	2.3+				

Through Hole & Blind Hole Clinch Standoffs



Stainless steel clinch standoffs are available in two grades, 303 grade stainless suitable for use in material up to HRB 70 hardness. Also a harder 400 series stainless material and are recommended for installation into stainless materials of up to HRB 88 hardness.

STEEL ZINC PLATED

Thread Size	Hole Diameter	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge	Through Hole Length Range Available	Blind Hole Length Range Available
M2.5	4.2	4.1	1.0	6.0	6 to 10	6 to 18
M3 (4.2)	4.2	4.1	1.0	6.8	3 to 20	6 to 25
M3 (5.4)	5.4	5.3	1.0	6.8	3 to 20	6 to 25
M4	7.2	7.1	1.3	8.0	4 to 25	6 to 25
M5	7.2	7.1	1.3	8.0	6 to 20	6 to 20



STAINLESS STEEL

Thread Size	Hole Diameter	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge	Through Hole Length Range Available	Blind Hole Length Range Available
M3 (4.2)	4.2	4.1	1.0	6.8	3 to 20	6 to 25
M3 (5.4)	5.4	5.3	1.0	6.8	3 to 20	6 to 25
M4	7.2	7.1	1.3	8.0	4 to 25	6 to 25
M5	7.2	7.1	1.3	8.0	6 to 20	6 to 20

Special lengths can be made to order.

EXTRA HARD STAINLESS

Thread Size	Hole Diameter	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge	Through Hole Length Range Available	Blind Hole Length Range Available
M3 (4.2)	4.2	4.1	1.0	6.8	3 to 20	6 to 25
M3 (5.4)	5.4	5.3	1.0	6.8	3 to 20	6 to 25
M4	7.2	7.1	1.3	8.0	4 to 25	6 to 25

Special lengths can be made to order.

Standard Length Sizes / mm

3	4	8	10	12	14	16	18	20	22	25
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Clinch Panel Fasteners



STAINLESS STEEL

Thread Size	Hole Size in Sheet	Minimum Sheet Thickness	Maximum Screw Protrusion From Body	Overall Height with Screw Tightened	Screw Head Diameter	Min. distance centre to edge
M3	6.75	1.5	6.4*	9.2	7.9	6.40
M4	7.95	1.5	7.9*	11.5	9.5	7.90
M5	8.75	1.5	7.9*	11.5	10.3	8.65
M6	10.5	1.5	9.5*	14.8	11.9	9.65

* Deduct the sheet thickness from this dimension for actual protrusion.

SOURCING

Can't find what you are looking for! Using our extensive knowledge of the fasteners industry we are able to source any part required. Samples or specification drawings that are provided to us we are able to source the product you are looking for or have it manufactured using our independent engineering companies that we work closely with.





Spring Steel Fasteners

Section Contents

Cage Nuts

P32

U Nuts

P32

**CHAPMAN AND
BRADSHAW**
INDUSTRIAL SUPPLIES

5

Cage Nuts - Steel

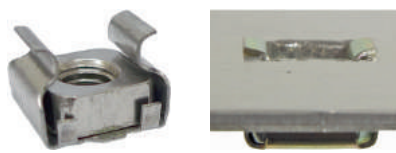


Cage nuts have both the advantage of fast installation and the strength of a steel nut which floats within the spring steel cage to assist in screw alignment.

STEEL ZINC Cr3 FINISH

Thread Size	Suitable Panel Thickness	Hole Size Across Flats	Overall Cage Width ± 0.5	Overall Cage Height ± 0.3	Cage Types Available
M3	0.7-1.6	6.8	10.5	7.2	R
M4	0.7-1.6	6.8	10.5	7.2	R
M4	0.7-1.6	9.5	13.2	8.6	R
M4	1.7-2.6	9.5	13.2	9.5	R
M4	2.0-3.2	9.5	13.2	10.2	R
M5	0.7-1.6	9.5	13.2	8.6	R & S
M5	1.7-2.6	9.5	13.2	9.5	R & S
M5	2.0-3.2	9.5	13.2	10.2	R & S
M6	0.7-1.6	9.5	13.2	8.6	R & S
M6	1.7-2.6	9.5	13.2	9.5	R & S
M6	2.0-3.2	9.5	13.2	10.2	R & S
M8	0.7-1.6	12.8	17.8	10.6	R
M8	1.7-3.2	12.8	17.8	11.5	R
M8	3.3-4.7	12.8	17.8	13	R
M10	0.7-1.6	12.8	17.8	10.6	R
M10	1.7-3.2	12.8	17.8	11.5	R
M10	3.3-4.7	12.8	17.8	13	R

Cage Nuts - Stainless

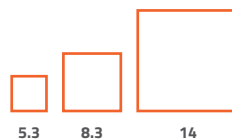


These cage nuts have an A2 grade stainless cage and stainless nut for use in exterior and other applications requiring greater corrosion resistance.

STAINLESS STEEL NUT & CAGE

Thread Size	Suitable Panel Thickness	Hole Size Across Flats	Overall Cage Width ± 0.5	Overall Cage Height ± 0.3
M4	0.7-1.6	9.5	13.2	8.5
M4	1.7-2.6	9.5	13.2	9.5
M4	2.7-3.5	9.5	13.2	10.5
M5	0.7-1.6	9.5	13.2	8.5
M5	1.7-2.6	9.5	13.2	9.5
M5	2.7-3.5	9.5	13.2	10.5
M6	0.7-1.6	9.5	13.2	8.5
M6	1.7-2.6	9.5	13.2	9.5
M6	2.7-3.5	9.5	13.2	10.5
M8	0.7-1.6	12.7	16.5	10.5
M8	1.7-3.2	12.7	16.5	12
M8	3.3-4.7	12.7	16.5	13.5
M10	0.7-1.6	12.7	16.5	10.5
M10	1.7-3.2	12.7	16.5	12
M10	3.3-4.7	12.7	16.5	13.5

We can also supply cage nuts for the following hole sizes:



U Nuts



U nuts press easily over panel edges or cut-outs to provide a spring steel nut with a degree of float to help screw alignment. They can be installed after product finishing to save production cost.

Screw / Thread Size	Distance of Screw Centre to Panel Edge	Suitable Panel Thickness	Size L x W
No 4	4.8	0.7 - 1.2	11.2 X 7.9
No 6	6.7	0.7 - 1.6	16.5 X 11.2
No 8	6.7	0.7 - 1.6	16.5 X 11.2
No 10	7.9	0.9 - 2.1	19.8 X 12.7
M4	6.7	0.7 - 1.6	16.5 X 11.2
M5	8.0	0.7 - 1.7	17.5 X 11.9
M6	10.3	0.9 - 2.6	21.1 X 14.0

Many other sizes available not listed above, these are just the most popular options!

TOOL LOAN

If your tool is in for repair or require one for a small job we have a selection of high quality air powered tools available for loan.

Each tool comes set up for your requirements.





Stud Welding

Section Contents

CD Weld	P36
Projection Weld	P36
Spare CD Collet	P36

Colour Key

- Steel
- A2 Stainless Steel
- Aluminium Alloy
- A4 Stainless Steel
- Brass
- Steel Coppered



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
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
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
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
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	Please check availability of this product range per enquiry
M10	20.6	4.1	

Please check availability of this product range per enquiry

Spare CD Collet



Parallel Type



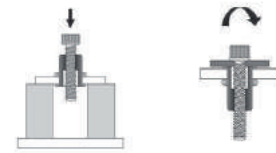
Morse Taper Type



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
Steel	3000	6800	8000	13000	18000	23000	34000
Stainless Steel	4000	8000	15000	20000	30000	40000	
Aluminium	2000	4000	5000	8000	10000	12000	

This is the load at which the thread or rivet nut body fails.

Ultimate Torque (Nm) *	M3	M4	M5	M6	M8	M10	M12
Steel	2	4	7	12	20	40	55
Stainless Steel	3	5	10	>15	>30	>50	
Aluminium	1	3	5	8	20	25	

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
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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A-Z Index



Aluminium / Steel Type COUNTERSUNK HEAD



Aluminium / Steel Type DOME HEAD



Aluminium / Steel Type LARGE HEAD



Aluminium / Steel Type MULTIGRIP TYPE



Aluminium / Steel Type SEALED BODY TYPE



Blind Rivet Bolts



Cage Nuts - Stainless



Cage Nuts - Steel



CD Weld Pins



CD Weld Standoffs



CD Weld Studs



Clinch Blind Nuts



Clinch Nuts



Clinch Panel Fasteners



Clinch Pilot Pins



22 Clinch Pins



22 Clinch Studs



22 Close-To-Edge Clinch Studs



22 Countersunk Head



22 Countersunk Head



12 Countersunk Head - Closed End



32 Countersunk Head - Knurled Body



32 Countersunk Head - Knurled Body



36 Countersunk Head - Knurled Body



36 Countersunk Head - Knurled Body - Closed End



36 Countersunk Head - Plain Body



28 Countersunk Head - Plain Body - Closed End



27 CSK Head - Plain Body



28 Flange Head



27 Flange Head



26 Flange Head - Closed End



26 Flange Head - Closed End



26 Flange Head - Full Hex Body



17 Flange Head - Full Hex Body - Closed End



18 Flange Head - Half Hex Body



17 Flange Head - Half Hex Body



12 Flange Head - Half Hex Body - Closed End



15 Flange Head - Half Hex Body - Closed End



17 Flange Head - Knurled Body



12 Flange Head - Knurled Body



15 Flange Head - Knurled Body



15 Flange Head - Knurled Body - Closed End



18 Flange Head - Knurled Body - Closed End



16 Flange Head - Plain Body



19 Flange Head - Plain Body

15

19

11

12

15

19

15

19

14

16

19

12

16

11

15

A-Z Index



Heavy Duty Clinch Studs



Hexagon Rivet Bushes



Mini Rivet Bushes



Projection Weld Bolts - BS7670



Reduced CSK Head - Knurled Body



Reduced CSK Head - Plain Body - Imperial Hole



Reduced CSK Head - Closed End



Reduced CSK Head - Closed End



Reduced CSK Head - Closed End



Reduced CSK Head - Full Hex Body



Reduced CSK Head - Full Hex Body - Metric Hole - Closed End



Reduced CSK Head - Half Hex Body - Closed End



Reduced CSK Head - Half Hex Body



Reduced CSK Head - Half Hex Body



26 Reduced CSK Head - Half Hex Body - Closed End



6 Reduced CSK Head - Half Hex Body - Imperial Hole



6 Reduced CSK Head - Half Hex Body - Metric Hole



36 Reduced CSK Head - Knurled Body



16 Reduced CSK Head - Knurled Body - Imperial Hole



14 Reduced CSK Head - Knurled Body - Imperial Hole



14 Reduced CSK Head - Knurled Body - Metric Hole



16 Reduced CSK Head - Knurled Body - Metric Hole



18 Reduced CSK Head - Knurled Body - Metric Hole - Closed End



10 Reduced CSK Head - Knurled Body - Metric Hole - Closed End



11 Reduced CSK Head - Plain Body



14 Reduced CSK Head - Plain Body - Imperial Hole



14 Reduced CSK Head - Plain Body - Imperial Hole - Closed End



18 Rivet Bush Standoffs



18 Rivet Nut Performance Values



10 Round Rivet Bushes



10 Spare CD Collet



18 Special Rivet Bushes



10 Split Body Rivet Nuts



12 Stainless / Stainless COUNTERSUNK HEAD



10 Stainless / Stainless Type DOME HEAD



14 Steel / Steel Type COUNTERSUNK HEAD



11 Steel / Steel Type DOME HEAD



11 Tank Bushes



16 Through Hole & Blind Hole Clinch Standoffs



10 U Nuts

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