



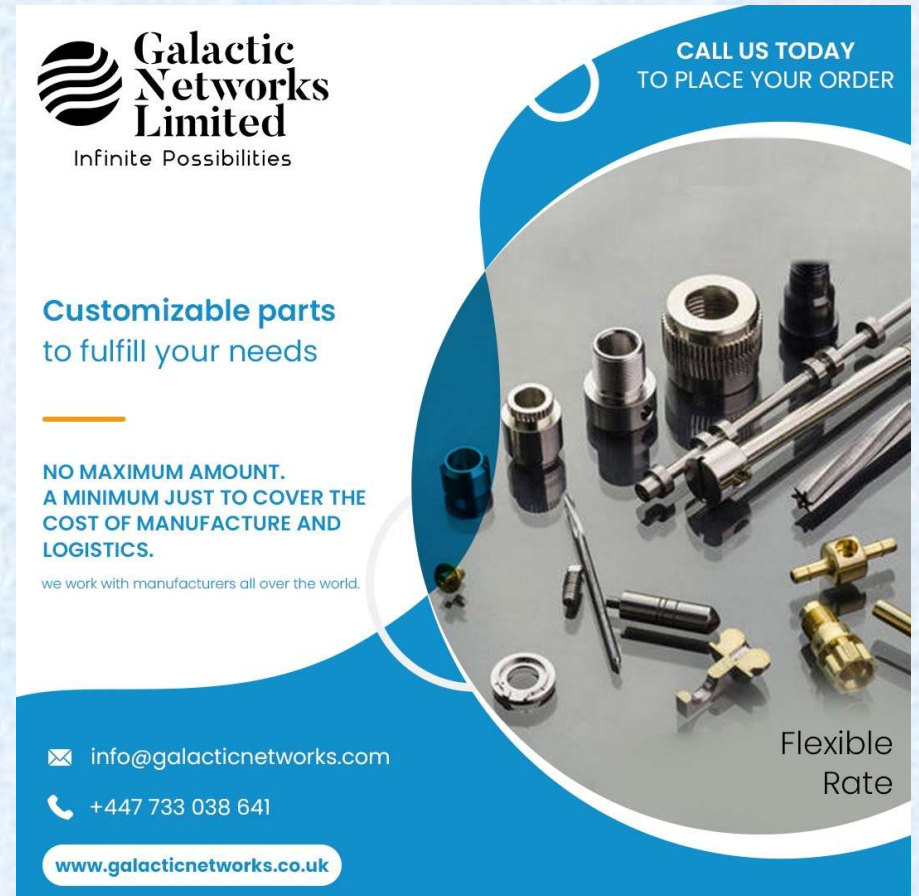
MECHANICAL
COMPONENTS
CATALOGUE

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Introduction

Galactic Networks Limited is a company created with a mandate to build sustainable networks across several economic platforms. We are a company on a mission to be global leaders in Manufacturing, Energy Trading, Investing, Intelligent Transportation Systems, even as we seek opportunities across multiple industries, one step at a time.

We are firm believers in the fact that everything is possible which is why our motto states "Infinite Possibilities". Our approach to world class service is a result of our research into the best global business practices.



PRECISION SCREWS

APPLICATIONS

Precision adjustment screws are used **to provide micro positioning on precision instruments such as tables, optical mounts, microscopes, analytical instruments, and flow metering devices.**

Precision Screws are designed for a variety of purposes, **though most are primarily intended to fasten two surfaces together.** Screws can be used alongside Washers to prevent damage to the target housing, and with Hexagon Nuts to lock the fastener in place from behind.



PRECISION SCREWS IN CATALOUGE



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PRECISION SCREWS IN CATALOUGE CONTD.



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PRECISION SCREWS IN CATALOUGE CONTD.



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- 103. METRIC SLOTTED HEAD PART THREADED SET/GRUB SCREWS
- 105. EYE BOLTS

IMPERIAL LOW CAP HEAD SCREWS



APPLICATIONS

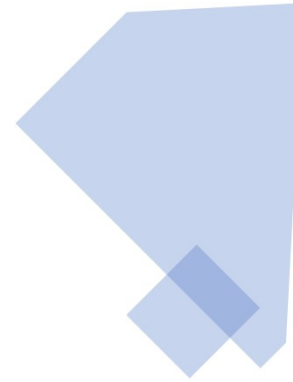
Low head cap screws are **machine screws that feature a head containing a hexagonal socket**. The socket head makes it easy to securely install the screws with hex keys or hex socket bits, while their low head makes them suitable for installation in situations where there is limited clearance.

Imperial Low Cap Head Screws

Thread Size	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> 1/4-20 27	<input type="checkbox"/> 1 inch 21	<input type="checkbox"/> 0.27 inch 18	<input type="checkbox"/> Stainless Steel (A2) 147	<input type="checkbox"/> Matte Black 49
<input type="checkbox"/> 3/8-16 24	<input type="checkbox"/> 1.1/2 inch 15	<input type="checkbox"/> 0.226 inch 18		<input type="checkbox"/> Natural 49
<input type="checkbox"/> 5/16-18 24	<input type="checkbox"/> 1.1/4 inch 15	<input type="checkbox"/> 0.312 inch 36		<input type="checkbox"/> Thread Locking 49
<input type="checkbox"/> 6-32 18	<input type="checkbox"/> 1.3/4 inch 9	<input type="checkbox"/> 0.375 inch 27		
<input type="checkbox"/> 8-32 18	<input type="checkbox"/> 1/2 inch 21	<input type="checkbox"/> 0.437 inch 24		
<input type="checkbox"/> 10-24 18	<input type="checkbox"/> 1/4 inch 6	<input type="checkbox"/> 0.562 inch 24		
<input type="checkbox"/> 10-32 18	<input type="checkbox"/> 2 inch 9			
	<input type="checkbox"/> 3/4 inch 21			

Imperial Low Cap Head Screws

Thread Size	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> 1/4-20 27	<input type="checkbox"/> 1.1/4 inch 15	<input type="checkbox"/> 0.27 inch 18	<input type="checkbox"/> Stainless Steel (A2) 147	<input type="checkbox"/> Matte Black 49
<input type="checkbox"/> 3/8-16 24	<input type="checkbox"/> 1.3/4 inch 9	<input type="checkbox"/> 0.226 inch 18		<input type="checkbox"/> Natural 49
<input type="checkbox"/> 5/16-18 24	<input type="checkbox"/> 1/2 inch 21	<input type="checkbox"/> 0.312 inch 36		<input type="checkbox"/> Thread Locking 49
<input type="checkbox"/> 6-32 18	<input type="checkbox"/> 1/4 inch 6	<input type="checkbox"/> 0.375 inch 27		
<input type="checkbox"/> 8-32 18	<input type="checkbox"/> 2 inch 9	<input type="checkbox"/> 0.437 inch 24		
<input type="checkbox"/> 10-24 18	<input type="checkbox"/> 3/4 inch 21	<input type="checkbox"/> 0.562 inch 24		
<input type="checkbox"/> 10-32 18	<input type="checkbox"/> 3/8 inch 9			
	<input type="checkbox"/> 5/8 inch 21			



TORX COUNTERSUNK THREAD ROLLING SCREWS – STAINLESS STEEL (A2)



APPLICATIONS

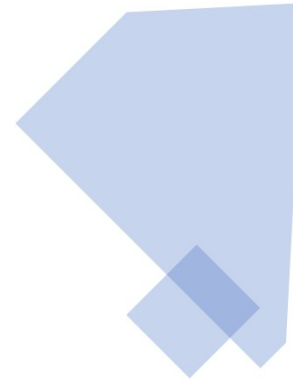
Screws with a countersunk head are typically used in **woodworking applications**. When building furniture, manufacturers often use countersunk screws so that the heads don't protrude. If the head protrudes out of a piece of furniture, such as a recliner, it will likely be uncomfortable to consumers to use.

Torx Countersunk Thread Rolling Screws - Stainless Steel (A2)

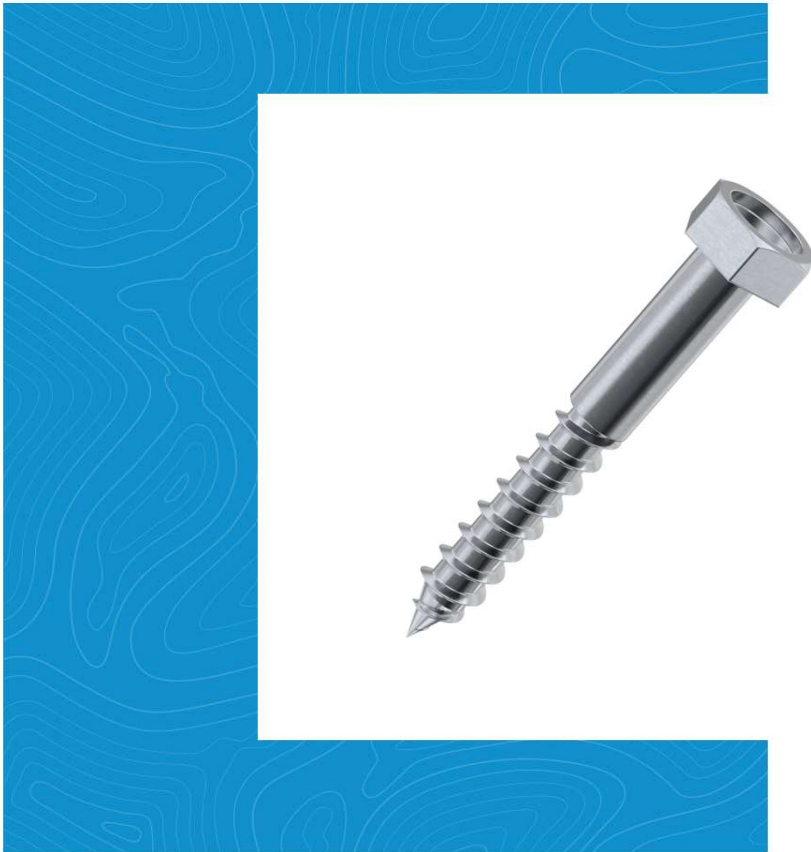
Thread Size (T)	Length (L)	Torx Drive Size	Material	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 4mm 2	<input type="checkbox"/> T8 12	<input type="checkbox"/> Stainless Steel (A2) 70	<input type="checkbox"/> Matte Black 35
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 5mm 2	<input type="checkbox"/> T10 14		<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> T20 16		
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> T25 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> T30 14		
	<input type="checkbox"/> 12mm 10			
	<input type="checkbox"/> 16mm 8			
	<input type="checkbox"/> 20mm 8			

Torx Countersunk Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Torx Drive Size	Material	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> T8 12	<input type="checkbox"/> Stainless Steel (A2) 70	<input type="checkbox"/> Matte Black 35
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> T10 14		<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> T20 16		
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> T25 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> T30 14		
	<input type="checkbox"/> 20mm 8			
	<input type="checkbox"/> 25mm 8			
	<input type="checkbox"/> 30mm 6			



METRIC COACH BOLTS



APPLICATIONS

Coach bolts are intended for use with wood and metal. They are ideal for tougher situations where a more heavy-duty fastening solution is required.

Coach bolts are used for **connecting metal to timber, or to join heavy timbers**. They are often used now however with bare timber as the coach bolt has developed.

Metric Coach Bolts

Thread Size	Length (L)	Head Width A/F (J)	Material	Finish
<input type="checkbox"/> 5mm 40	<input type="checkbox"/> 20mm 4	<input type="checkbox"/> 8mm 40	<input type="checkbox"/> Marine Stainless Steel (A4) 228	<input type="checkbox"/> Matte Black 247
<input type="checkbox"/> 6mm 68	<input type="checkbox"/> 25mm 12	<input type="checkbox"/> 10mm 68	<input type="checkbox"/> Stainless Steel (A2) 266	<input type="checkbox"/> Natural 247
<input type="checkbox"/> 7mm 78	<input type="checkbox"/> 30mm 16	<input type="checkbox"/> 12mm 78		
<input type="checkbox"/> 8mm 88	<input type="checkbox"/> 35mm 16	<input type="checkbox"/> 13mm 88		
<input type="checkbox"/> 10mm 86	<input type="checkbox"/> 40mm 20	<input type="checkbox"/> 17mm 86		
<input type="checkbox"/> 12mm 78	<input type="checkbox"/> 45mm 20	<input type="checkbox"/> 19mm 78		
<input type="checkbox"/> 16mm 56	<input type="checkbox"/> 50mm 28	<input type="checkbox"/> 24mm 56		
	<input type="checkbox"/> 55mm 24			

Metric Coach Bolts

Thread Size	Length (L)	Head Width A/F (J)	Material	Finish
<input type="checkbox"/> 5mm 40	<input type="checkbox"/> 130mm 24	<input type="checkbox"/> 8mm 40	<input type="checkbox"/> Marine Stainless Steel (A4) 228	<input type="checkbox"/> Matte Black 247
<input type="checkbox"/> 6mm 68	<input type="checkbox"/> 140mm 22	<input type="checkbox"/> 10mm 68	<input type="checkbox"/> Stainless Steel (A2) 266	<input type="checkbox"/> Natural 247
<input type="checkbox"/> 7mm 78	<input type="checkbox"/> 150mm 20	<input type="checkbox"/> 12mm 78		
<input type="checkbox"/> 8mm 88	<input type="checkbox"/> 160mm 18	<input type="checkbox"/> 13mm 88		
<input type="checkbox"/> 10mm 86	<input type="checkbox"/> 170mm 2	<input type="checkbox"/> 17mm 86		
<input type="checkbox"/> 12mm 78	<input type="checkbox"/> 180mm 18	<input type="checkbox"/> 19mm 78		
<input type="checkbox"/> 16mm 56	<input type="checkbox"/> 190mm 2	<input type="checkbox"/> 24mm 56		
	<input type="checkbox"/> 200mm 16			

Metric Coach Bolts

Thread Size	Length (L)	Head Width A/F (J)	Material	Finish
<input type="checkbox"/> 5mm 40	<input type="checkbox"/> 190mm 2	<input type="checkbox"/> 8mm 40	<input type="checkbox"/> Marine Stainless Steel (A4) 228	<input type="checkbox"/> Matte Black 247
<input type="checkbox"/> 6mm 68	<input type="checkbox"/> 200mm 16	<input type="checkbox"/> 10mm 68	<input type="checkbox"/> Stainless Steel (A2) 266	<input type="checkbox"/> Natural 247
<input type="checkbox"/> 7mm 78	<input type="checkbox"/> 210mm 2	<input type="checkbox"/> 12mm 78		
<input type="checkbox"/> 8mm 88	<input type="checkbox"/> 220mm 4	<input type="checkbox"/> 13mm 88		
<input type="checkbox"/> 10mm 86	<input type="checkbox"/> 240mm 4	<input type="checkbox"/> 17mm 86		
<input type="checkbox"/> 12mm 78	<input type="checkbox"/> 260mm 4	<input type="checkbox"/> 19mm 78		
<input type="checkbox"/> 16mm 56	<input type="checkbox"/> 280mm 4	<input type="checkbox"/> 24mm 56		
	<input type="checkbox"/> 300mm 4			

SEALING SELF DRILLING HEXAGON BOLTS



APPLICATIONS

Self-drilling screws can be used for a wide variety of applications which involve fastening two different types of materials together. They are commonly used **to fasten metal to wood, or even metal to metal.**

Sealing Self Drilling Hexagon Bolts

Thread Size (T)	Overall Length (L)	Hexagon Width A/F (J)	Material	Finish
<input type="checkbox"/> No.12 (5.5mm) 13	<input type="checkbox"/> 19mm 1	<input type="checkbox"/> 8mm 21	<input type="checkbox"/> Marine Stainless Steel (A4) / Carbon Steel Tip 4	<input type="checkbox"/> Natural 21
<input type="checkbox"/> No.14 (6.3mm) 8	<input type="checkbox"/> 22mm 3		<input type="checkbox"/> Stainless Steel (A2) 13	
	<input type="checkbox"/> 25mm 1		<input type="checkbox"/> Stainless Steel (A2) / Carbon Steel Tip 4	
	<input type="checkbox"/> 28mm 1			
	<input type="checkbox"/> 30mm 1			
	<input type="checkbox"/> 32mm 2			
	<input type="checkbox"/> 35mm 2			
	<input type="checkbox"/> 38mm 1			

Sealing Self Drilling Hexagon Bolts

Thread Size (T)	Overall Length (L)	Hexagon Width A/F (J)	Material	Finish
<input type="checkbox"/> No.12 (5.5mm) 13	<input type="checkbox"/> 38mm 1	<input type="checkbox"/> 8mm 21	<input type="checkbox"/> Marine Stainless Steel (A4) / Carbon Steel Tip 4	<input type="checkbox"/> Natural 21
<input type="checkbox"/> No.14 (6.3mm) 8	<input type="checkbox"/> 45mm 1		<input type="checkbox"/> Stainless Steel (A2) 13	
	<input type="checkbox"/> 50mm 3		<input type="checkbox"/> Stainless Steel (A2) / Carbon Steel Tip 4	
	<input type="checkbox"/> 58mm 1			
	<input type="checkbox"/> 65mm 1			
	<input type="checkbox"/> 70mm 1			
	<input type="checkbox"/> 75mm 1			
	<input type="checkbox"/> 100mm 1			

IMPERIAL FULL THREAD CARRIAGE BOLTS



APPLICATIONS

Imperial Full Thread Carriage Bolts are typically used **to secure wood to metal** and feature a smooth rounded head with a square neck, designed to be fastened using a spanner or wrench. Installing these bolts into a square hole offers a self-locking fastening solution.

Imperial Full Thread Carriage Bolts

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> 1/2-13 21	<input type="checkbox"/> 1 inch 6	<input type="checkbox"/> 0.594 inch 24	<input type="checkbox"/> Stainless Steel (A2) 126	<input type="checkbox"/> Matte Black 42
<input type="checkbox"/> 1/4-20 24	<input type="checkbox"/> 1.1/2 inch 15	<input type="checkbox"/> 0.719 inch 30		<input type="checkbox"/> Natural 42
<input type="checkbox"/> 3/4-10 15	<input type="checkbox"/> 1.1/4 inch 6	<input type="checkbox"/> 0.844 inch 18		<input type="checkbox"/> Thread Locking 42
<input type="checkbox"/> 3/8-16 18	<input type="checkbox"/> 2 inch 18	<input type="checkbox"/> 1.094 inch 21		
<input type="checkbox"/> 5/8-11 18	<input type="checkbox"/> 2.1/2 inch 18	<input type="checkbox"/> 1.344 inch 18		
<input type="checkbox"/> 5/16-18 30	<input type="checkbox"/> 2.1/4 inch 3	<input type="checkbox"/> 1.594 inch 15		
	<input type="checkbox"/> 2.3/4 inch 3			
	<input type="checkbox"/> 3 inch 18			

Imperial Full Thread Carriage Bolts

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> 1/2-13 21	<input type="checkbox"/> 2 inch 18	<input type="checkbox"/> 0.594 inch 24	<input type="checkbox"/> Stainless Steel (A2) 126	<input type="checkbox"/> Matte Black 42
<input type="checkbox"/> 1/4-20 24	<input type="checkbox"/> 2.1/2 inch 18	<input type="checkbox"/> 0.719 inch 30		<input type="checkbox"/> Natural 42
<input type="checkbox"/> 3/4-10 15	<input type="checkbox"/> 2.1/4 inch 3	<input type="checkbox"/> 0.844 inch 18		<input type="checkbox"/> Thread Locking 42
<input type="checkbox"/> 3/8-16 18	<input type="checkbox"/> 2.3/4 inch 3	<input type="checkbox"/> 1.094 inch 21		
<input type="checkbox"/> 5/8-11 18	<input type="checkbox"/> 3 inch 18	<input type="checkbox"/> 1.344 inch 18		
<input type="checkbox"/> 5/16-18 30	<input type="checkbox"/> 3.1/2 inch 18	<input type="checkbox"/> 1.594 inch 15		
	<input type="checkbox"/> 4 inch 18			
	<input type="checkbox"/> 5.1/2 inch 3			



REDUCED SLOTTED PAN HEAD SCREWS



APPLICATIONS

Pan head wood screws are used **to fasten flat materials to timber**. Pan heads are like round heads, truss heads, and binding heads, although pan heads have largely replaced these other heads in modern screws.

Reduced Slotted Pan Head Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M2 (2mm) 10	<input type="checkbox"/> 4mm 6	<input type="checkbox"/> 2.8mm 10	<input type="checkbox"/> Stainless Steel (A2) 92	<input type="checkbox"/> Matte Black 33
<input type="checkbox"/> M3 (3mm) 20	<input type="checkbox"/> 5mm 11	<input type="checkbox"/> 4mm 20		<input type="checkbox"/> Natural 33
<input type="checkbox"/> M4 (4mm) 20	<input type="checkbox"/> 6mm 14	<input type="checkbox"/> 5.5mm 20		<input type="checkbox"/> Thread Locking 26
<input type="checkbox"/> M5 (5mm) 21	<input type="checkbox"/> 8mm 14	<input type="checkbox"/> 6.5mm 21		
<input type="checkbox"/> M6 (6mm) 21	<input type="checkbox"/> 10mm 14	<input type="checkbox"/> 8mm 21		
	<input type="checkbox"/> 12mm 12			
	<input type="checkbox"/> 16mm 12			
	<input type="checkbox"/> 20mm 6			

Reduced Slotted Pan Head Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M2 (2mm) 10	<input type="checkbox"/> 5mm 11	<input type="checkbox"/> 2.8mm 10	<input type="checkbox"/> Stainless Steel (A2) 92	<input type="checkbox"/> Matte Black 33
<input type="checkbox"/> M3 (3mm) 20	<input type="checkbox"/> 6mm 14	<input type="checkbox"/> 4mm 20		<input type="checkbox"/> Natural 33
<input type="checkbox"/> M4 (4mm) 20	<input type="checkbox"/> 8mm 14	<input type="checkbox"/> 5.5mm 20		<input type="checkbox"/> Thread Locking 26
<input type="checkbox"/> M5 (5mm) 21	<input type="checkbox"/> 10mm 14	<input type="checkbox"/> 6.5mm 21		
<input type="checkbox"/> M6 (6mm) 21	<input type="checkbox"/> 12mm 12	<input type="checkbox"/> 8mm 21		
	<input type="checkbox"/> 16mm 12			
	<input type="checkbox"/> 20mm 6			
	<input type="checkbox"/> 25mm 3			

POZI RAISED COUNTERSUNK SEALING WOOD SCREWS



APPLICATIONS

Wood screws are handy for **quickly building jigs and clamping forms, joining cabinet and furniture parts, mounting hardware and trim, and much more.**

Screws form strong connections between parts made from solid wood, plywood and other sheet goods without the need for cut joinery.

Pozi Raised Countersunk Sealing Wood Screws

Metric or Imperial?	Thread Size (T)	Length (L)	Sealing Washer Diameter	Screw Material
<input type="checkbox"/> Metric 53	<input type="checkbox"/> No.9 (4.5mm) 41 <input type="checkbox"/> No.10 (5mm) 12	<input type="checkbox"/> 20mm 3 <input type="checkbox"/> 25mm 3 <input type="checkbox"/> 30mm 3 <input type="checkbox"/> 35mm 3 <input type="checkbox"/> 40mm 3 <input type="checkbox"/> 45mm 3 <input type="checkbox"/> 50mm 3 <input type="checkbox"/> 55mm 3	<input type="checkbox"/> 15mm 22 <input type="checkbox"/> 20mm 21 <input type="checkbox"/> 25mm 10	<input type="checkbox"/> Stainless Steel (A2) 53

Pozi Raised Countersunk Sealing Wood Screws

Metric or Imperial?	Thread Size (T)	Length (L)	Sealing Washer Diameter	Screw Material
<input type="checkbox"/> Metric 53	<input type="checkbox"/> No.9 (4.5mm) 41 <input type="checkbox"/> No.10 (5mm) 12	<input type="checkbox"/> 60mm 3 <input type="checkbox"/> 65mm 2 <input type="checkbox"/> 70mm 3 <input type="checkbox"/> 80mm 2 <input type="checkbox"/> 90mm 1 <input type="checkbox"/> 100mm 2 <input type="checkbox"/> 120mm 2 <input type="checkbox"/> 150mm 2	<input type="checkbox"/> 15mm 22 <input type="checkbox"/> 20mm 21 <input type="checkbox"/> 25mm 10	<input type="checkbox"/> Stainless Steel (A2) 53

Pozi Raised Countersunk Sealing Wood Screws

Metric or Imperial?	Thread Size (T)	Length (L)	Sealing Washer Diameter	Screw Material
<input type="checkbox"/> Metric 53	<input type="checkbox"/> No.9 (4.5mm) 41 <input type="checkbox"/> No.10 (5mm) 12	<input type="checkbox"/> 120mm 2 <input type="checkbox"/> 150mm 2 <input type="checkbox"/> 180mm 2 <input type="checkbox"/> 200mm 2 <input type="checkbox"/> 220mm 2 <input type="checkbox"/> 250mm 2 <input type="checkbox"/> 280mm 2 <input type="checkbox"/> 300mm 2	<input type="checkbox"/> 15mm 22 <input type="checkbox"/> 20mm 21 <input type="checkbox"/> 25mm 10	<input type="checkbox"/> Stainless Steel (A2) 53

SECURITY 2 HOLE/SNAKE EYE PAN HEAD SCREWS



APPLICATIONS

These versatile security screws are ideal for a wide range of applications and are often used to secure glass panels and sign-age in place in both indoor and outdoor locations.

Security 2Hole / Snake Eye Pan Head Screws

Thread Size (T)	Thread Length (E)	Drive Size	Material	Finish
<input type="checkbox"/> M3 (3mm) 9	<input type="checkbox"/> 6mm 3	<input type="checkbox"/> TH3 9	<input type="checkbox"/> Stainless Steel (A2) 72	<input type="checkbox"/> Matte Black 24
<input type="checkbox"/> M4 (4mm) 18	<input type="checkbox"/> 8mm 3	<input type="checkbox"/> TH5 18		<input type="checkbox"/> Natural 24
<input type="checkbox"/> M5 (5mm) 18	<input type="checkbox"/> 10mm 6	<input type="checkbox"/> TH6 18		<input type="checkbox"/> Thread Locking 24
<input type="checkbox"/> M6 (6mm) 27	<input type="checkbox"/> 12mm 12	<input type="checkbox"/> TH8 27		
	<input type="checkbox"/> 16mm 12			
	<input type="checkbox"/> 20mm 9			
	<input type="checkbox"/> 25mm 9			
	<input type="checkbox"/> 30mm 6			

Security 2Hole / Snake Eye Pan Head Screws

Thread Size (T)	Thread Length (E)	Drive Size	Material	Finish
<input type="checkbox"/> M3 (3mm) 9	<input type="checkbox"/> 16mm 12	<input type="checkbox"/> TH3 9	<input type="checkbox"/> Stainless Steel (A2) 72	<input type="checkbox"/> Matte Black 24
<input type="checkbox"/> M4 (4mm) 18	<input type="checkbox"/> 20mm 9	<input type="checkbox"/> TH5 18		<input type="checkbox"/> Natural 24
<input type="checkbox"/> M5 (5mm) 18	<input type="checkbox"/> 25mm 9	<input type="checkbox"/> TH6 18		<input type="checkbox"/> Thread Locking 24
<input type="checkbox"/> M6 (6mm) 27	<input type="checkbox"/> 30mm 6	<input type="checkbox"/> TH8 27		
	<input type="checkbox"/> 35mm 3			
	<input type="checkbox"/> 40mm 3			
	<input type="checkbox"/> 45mm 3			
	<input type="checkbox"/> 50mm 3			

SLOTTED HIGH THUMB SCREWS – DIN 465

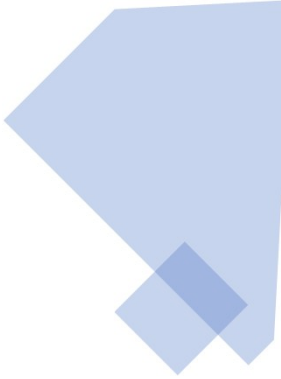
APPLICATIONS

Thumb screws offer a hand-adjustment feature, which allows for simple action to **fasten, tighten, loosen, or remove the screws**. The main benefit is that no tools are needed, so assembly teams and end-user consumers can adjust the screws with thumb and forefinger alone.

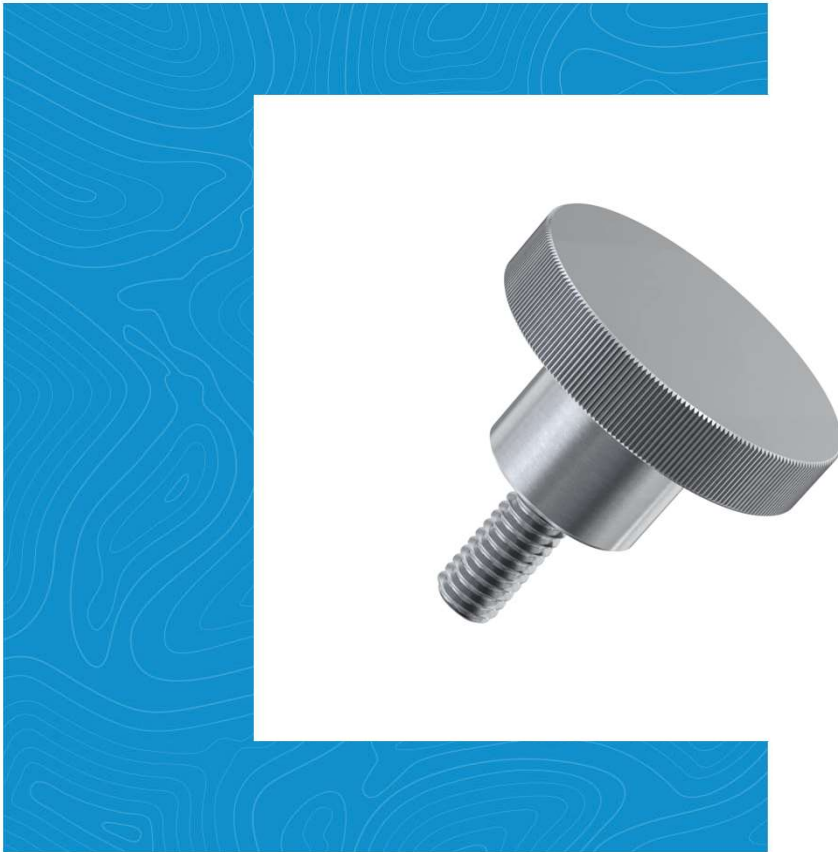


Slotted High Thumb Screws - DIN 465

Thread Size (T)	Length (L)	Head Diameter (D)	Screw Material	Finish
<input type="checkbox"/> M3 (3mm) 18	<input type="checkbox"/> 6mm 9	<input type="checkbox"/> 12mm 18	<input type="checkbox"/> Stainless Steel (A1) 66	<input type="checkbox"/> Matte Black 22
<input type="checkbox"/> M4 (4mm) 18	<input type="checkbox"/> 8mm 9	<input type="checkbox"/> 16mm 18		<input type="checkbox"/> Natural 22
<input type="checkbox"/> M5 (5mm) 18	<input type="checkbox"/> 10mm 12	<input type="checkbox"/> 20mm 18		<input type="checkbox"/> Thread Locking 22
<input type="checkbox"/> M6 (6mm) 12	<input type="checkbox"/> 12mm 12	<input type="checkbox"/> 24mm 12		
	<input type="checkbox"/> 16mm 12			
	<input type="checkbox"/> 20mm 12			



KNURLED HIGH THUMB SCREWS – DIN 464



APPLICATIONS

- Safety covers for electronic gadgets.
- Battery covers of small electronic devices.
- High vibration Boats.
- Off-road vehicles.
- High stress, corrosive, and outdoor applications.
- Aerospace Applications.

Knurled High Thumb Screws - DIN 464

Thread Size (T)	Length (L)	Head Diameter (D)	Screw Material	Finish
<input type="checkbox"/> M3 (3mm) 23	<input type="checkbox"/> 4mm 2	<input type="checkbox"/> 12mm 23	<input type="checkbox"/> Stainless Steel (A1) 119	<input type="checkbox"/> Matte Black 40
<input type="checkbox"/> M4 (4mm) 27	<input type="checkbox"/> 5mm 6	<input type="checkbox"/> 16mm 27		<input type="checkbox"/> Natural 40
<input type="checkbox"/> M5 (5mm) 24	<input type="checkbox"/> 6mm 9	<input type="checkbox"/> 20mm 24		<input type="checkbox"/> Thread Locking 39
<input type="checkbox"/> M6 (6mm) 21	<input type="checkbox"/> 8mm 12	<input type="checkbox"/> 24mm 21		
<input type="checkbox"/> M8 (8mm) 15	<input type="checkbox"/> 10mm 12	<input type="checkbox"/> 30mm 15		
<input type="checkbox"/> M10 (10mm) 9	<input type="checkbox"/> 12mm 15	<input type="checkbox"/> 36mm 9		
	<input type="checkbox"/> 16mm 15			
	<input type="checkbox"/> 20mm 18			

Knurled High Thumb Screws - DIN 464

Thread Size (T)	Length (L)	Head Diameter (D)	Screw Material	Finish
<input type="checkbox"/> M3 (3mm) 23	<input type="checkbox"/> 6mm 9	<input type="checkbox"/> 12mm 23	<input type="checkbox"/> Stainless Steel (A1) 119	<input type="checkbox"/> Matte Black 40
<input type="checkbox"/> M4 (4mm) 27	<input type="checkbox"/> 8mm 12	<input type="checkbox"/> 16mm 27		<input type="checkbox"/> Natural 40
<input type="checkbox"/> M5 (5mm) 24	<input type="checkbox"/> 10mm 12	<input type="checkbox"/> 20mm 24		<input type="checkbox"/> Thread Locking 39
<input type="checkbox"/> M6 (6mm) 21	<input type="checkbox"/> 12mm 15	<input type="checkbox"/> 24mm 21		
<input type="checkbox"/> M8 (8mm) 15	<input type="checkbox"/> 16mm 15	<input type="checkbox"/> 30mm 15		
<input type="checkbox"/> M10 (10mm) 9	<input type="checkbox"/> 20mm 18	<input type="checkbox"/> 36mm 9		
	<input type="checkbox"/> 25mm 15			
	<input type="checkbox"/> 30mm 15			

KNURLED THIN THUMB SCREWS – DIN 653



APPLICATIONS

The thumb screws are popularly used on: **Safety covers for electronic gadgets.**

Battery covers of small electronic devices.

Knurled Thin Thumb Screws - DIN 653

Thread Size	Length (L)	Head Diameter (Max) (D)	Material	Finish
<input type="checkbox"/> M2 (2mm) 14	<input type="checkbox"/> 4mm 2	<input type="checkbox"/> 9.29mm 14	<input type="checkbox"/> Stainless Steel (A1) 254	<input type="checkbox"/> Matte Black 87
<input type="checkbox"/> M2.5 (2.5mm) 27	<input type="checkbox"/> 5mm 8	<input type="checkbox"/> 11.35mm 27		<input type="checkbox"/> Natural 87
<input type="checkbox"/> M3 (3mm) 27	<input type="checkbox"/> 6mm 11	<input type="checkbox"/> 12.35mm 27		<input type="checkbox"/> Thread Locking 80
<input type="checkbox"/> M3.5 (3.5mm) 30	<input type="checkbox"/> 8mm 14	<input type="checkbox"/> 14.35mm 30		
<input type="checkbox"/> M4 (4mm) 27	<input type="checkbox"/> 10mm 20	<input type="checkbox"/> 16.35mm 27		
<input type="checkbox"/> M5 (5mm) 30	<input type="checkbox"/> 12mm 23	<input type="checkbox"/> 20.42mm 30		
<input type="checkbox"/> M6 (6mm) 30	<input type="checkbox"/> 14mm 23	<input type="checkbox"/> 24.42mm 30		
<input type="checkbox"/> M8 (8mm) 36	<input type="checkbox"/> 16mm 21	<input type="checkbox"/> 30.42mm 36		

Knurled Thin Thumb Screws - DIN 653

Thread Size	Length (L)	Head Diameter (Max) (D)	Material	Finish
<input type="checkbox"/> M2 (2mm) 14	<input type="checkbox"/> 18mm 24	<input type="checkbox"/> 11.35mm 27	<input type="checkbox"/> Stainless Steel (A1) 254	<input type="checkbox"/> Matte Black 87
<input type="checkbox"/> M2.5 (2.5mm) 27	<input type="checkbox"/> 20mm 24	<input type="checkbox"/> 12.35mm 27		<input type="checkbox"/> Natural 87
<input type="checkbox"/> M3 (3mm) 27	<input type="checkbox"/> 22mm 18	<input type="checkbox"/> 14.35mm 30		<input type="checkbox"/> Thread Locking 80
<input type="checkbox"/> M3.5 (3.5mm) 30	<input type="checkbox"/> 25mm 18	<input type="checkbox"/> 16.35mm 27		
<input type="checkbox"/> M4 (4mm) 27	<input type="checkbox"/> 28mm 12	<input type="checkbox"/> 20.42mm 30		
<input type="checkbox"/> M5 (5mm) 30	<input type="checkbox"/> 30mm 12	<input type="checkbox"/> 24.42mm 30		
<input type="checkbox"/> M6 (6mm) 30	<input type="checkbox"/> 32mm 6	<input type="checkbox"/> 30.42mm 36		
<input type="checkbox"/> M8 (8mm) 36	<input type="checkbox"/> 35mm 9	<input type="checkbox"/> 36.5mm 33		

Knurled Thin Thumb Screws - DIN 653

Thread Size	Length (L)	Head Diameter (Max) (D)	Material	Finish
<input type="checkbox"/> M2.5 (2.5mm) 27	<input type="checkbox"/> 22mm 18	<input type="checkbox"/> 11.35mm 27	<input type="checkbox"/> Stainless Steel (A1) 254	<input type="checkbox"/> Matte Black 87
<input type="checkbox"/> M3 (3mm) 27	<input type="checkbox"/> 25mm 18	<input type="checkbox"/> 12.35mm 27		<input type="checkbox"/> Natural 87
<input type="checkbox"/> M3.5 (3.5mm) 30	<input type="checkbox"/> 28mm 12	<input type="checkbox"/> 14.35mm 30		<input type="checkbox"/> Thread Locking 80
<input type="checkbox"/> M4 (4mm) 27	<input type="checkbox"/> 30mm 12	<input type="checkbox"/> 16.35mm 27		
<input type="checkbox"/> M5 (5mm) 30	<input type="checkbox"/> 32mm 6	<input type="checkbox"/> 20.42mm 30		
<input type="checkbox"/> M6 (6mm) 30	<input type="checkbox"/> 35mm 9	<input type="checkbox"/> 24.42mm 30		
<input type="checkbox"/> M8 (8mm) 36	<input type="checkbox"/> 38mm 3	<input type="checkbox"/> 30.42mm 36		
<input type="checkbox"/> M10 (10mm) 33	<input type="checkbox"/> 40mm 6	<input type="checkbox"/> 36.5mm 33		

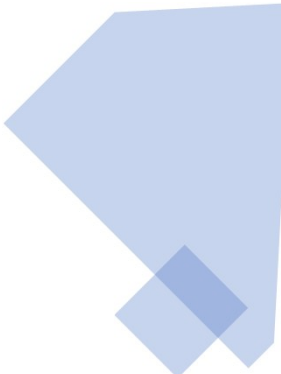
METRIC ULTRA LOW HEAD SOCKET

SHOULDER SCREWS



APPLICATIONS

What are shoulder screws used for? Much like all other screws, shoulder screws are meant to **hold objects together and in a particular position**. However, these screws are designed for use in parts which requires a mounting pin, joint, shaft, dowel, pivot, or sliding motion.



Metric Ultra Low Head Socket Shoulder Screws

Thread Size (T)	Shoulder Diameter (d)	Shoulder Length (L)	Material	Finish
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 4mm 14	<input type="checkbox"/> 4mm 6	<input type="checkbox"/> Marine Stainless Steel (A4) 54	<input type="checkbox"/> Matte Black 27
<input type="checkbox"/> M4 (4mm) 23	<input type="checkbox"/> 5mm 23	<input type="checkbox"/> 5mm 9	<input type="checkbox"/> Thread Locking Marine Stainless Steel (A4) 24	<input type="checkbox"/> Natural 27
<input type="checkbox"/> M5 (5mm) 23	<input type="checkbox"/> 6mm 23	<input type="checkbox"/> 6mm 12		<input type="checkbox"/> Thread Locking 24
<input type="checkbox"/> M6 (6mm) 18	<input type="checkbox"/> 8mm 18	<input type="checkbox"/> 8mm 12		
		<input type="checkbox"/> 10mm 12		
		<input type="checkbox"/> 12mm 9		
		<input type="checkbox"/> 16mm 9		
		<input type="checkbox"/> 20mm 9		



POZI COUNTERSUNK THREAD ROLLING SCREWS – STAINLESS STEEL (A2)

APPLICATIONS

Screw threads have several

applications: **Fastening: Fasteners such as wood screws, plastic screws, machine screws, nuts, and bolts. Connecting threaded pipes and hoses to each other and to caps and fixtures.**



Pozi Countersunk Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Head Dia. (D)	Pozi Drive Size	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 4mm 2	<input type="checkbox"/> 4.7mm 12	<input type="checkbox"/> #1 26	<input type="checkbox"/> Matte Black 35
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> 5.6mm 14	<input type="checkbox"/> #2 30	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 7.5mm 16	<input type="checkbox"/> #3 14	
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> 9.2mm 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 11mm 14		
	<input type="checkbox"/> 12mm 10			
	<input type="checkbox"/> 16mm 8			
	<input type="checkbox"/> 20mm 8			

Pozi Countersunk Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Head Dia. (D)	Pozi Drive Size	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 4.7mm 12	<input type="checkbox"/> #1 26	<input type="checkbox"/> Matte Black 35
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> 5.6mm 14	<input type="checkbox"/> #2 30	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 7.5mm 16	<input type="checkbox"/> #3 14	
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> 9.2mm 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> 11mm 14		
	<input type="checkbox"/> 20mm 8			
	<input type="checkbox"/> 25mm 6			
	<input type="checkbox"/> 30mm 6			

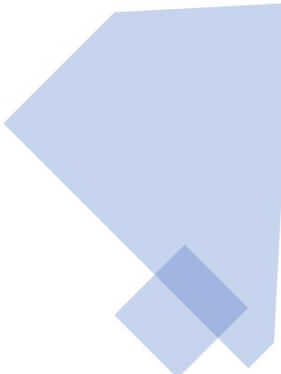
SELF TAPPING SECURITY 2HOLE SNAKE EYE PAN HEAD SCREWS



APPLICATIONS

Spanner (Snake-Eye) security bits are used for **making installations more secure**. By adding an unconventional drive style in public areas, they are much less likely to be vandalized or tampered with on a whim.

Spanner screws can be seen commonly on public applications such as: Bathroom dividers and Public Art Displays.



Features

Thread Size (T)	Nominal Length	Head Diameter (K)	Drive Size	Finish
<input type="checkbox"/> No. 6 (3.5mm) 16	<input type="checkbox"/> 1 inch (25.4mm) 12	<input type="checkbox"/> 5.4mm 10	<input type="checkbox"/> TH3 10	<input type="checkbox"/> Matte Black 41
<input type="checkbox"/> No.4 (2.9mm) 10	<input type="checkbox"/> 1.1/2 inch (38.1mm) 12	<input type="checkbox"/> 6.7mm 16	<input type="checkbox"/> TH4 16	<input type="checkbox"/> Natural 41
<input type="checkbox"/> No.8 (4.2mm) 16	<input type="checkbox"/> 1.1/4 inch (31.75mm) 10	<input type="checkbox"/> 8mm 16	<input type="checkbox"/> TH5 16	
<input type="checkbox"/> No.10 (4.8mm) 18	<input type="checkbox"/> 1/2 inch (12.7mm) 10	<input type="checkbox"/> 9.2mm 18	<input type="checkbox"/> TH6 18	
<input type="checkbox"/> No.12 (5.5mm) 10	<input type="checkbox"/> 2 inch (50.8mm) 10	<input type="checkbox"/> 10.5mm 10	<input type="checkbox"/> TH7 10	
<input type="checkbox"/> No.14 (6.3mm) 12	<input type="checkbox"/> 2.1/2 inch (63.5mm) 2	<input type="checkbox"/> 12.2mm 12	<input type="checkbox"/> TH8 12	
	<input type="checkbox"/> 3/4 inch (19.05mm) 10			
	<input type="checkbox"/> 3/8 inch (9.53mm) 8			

Features

Thread Size (T)	Nominal Length	Head Diameter (K)	Drive Size	Finish
<input type="checkbox"/> No. 6 (3.5mm) 16	<input type="checkbox"/> 1.1/2 inch (38.1mm) 12	<input type="checkbox"/> 5.4mm 10	<input type="checkbox"/> TH3 10	<input type="checkbox"/> Matte Black 41
<input type="checkbox"/> No.4 (2.9mm) 10	<input type="checkbox"/> 1.1/4 inch (31.75mm) 10	<input type="checkbox"/> 6.7mm 16	<input type="checkbox"/> TH4 16	<input type="checkbox"/> Natural 41
<input type="checkbox"/> No.8 (4.2mm) 16	<input type="checkbox"/> 1/2 inch (12.7mm) 10	<input type="checkbox"/> 8mm 16	<input type="checkbox"/> TH5 16	
<input type="checkbox"/> No.10 (4.8mm) 18	<input type="checkbox"/> 2 inch (50.8mm) 10	<input type="checkbox"/> 9.2mm 18	<input type="checkbox"/> TH6 18	
<input type="checkbox"/> No.12 (5.5mm) 10	<input type="checkbox"/> 2.1/2 inch (63.5mm) 2	<input type="checkbox"/> 10.5mm 10	<input type="checkbox"/> TH7 10	
<input type="checkbox"/> No.14 (6.3mm) 12	<input type="checkbox"/> 3/4 inch (19.05mm) 10	<input type="checkbox"/> 12.2mm 12	<input type="checkbox"/> TH8 12	
	<input type="checkbox"/> 3/8 inch (9.53mm) 8			
	<input type="checkbox"/> 5/8 inch (15.88mm) 8			



METRIC CAP HEAD CAPTIVE SCREWS



APPLICATIONS

Captive screws are **fasteners designed to remain attached to guards or equipment**. A conventional screw typically passes through a clearance hole in one part and then screws into a threaded hole in a second part – so the first part is clamped to the second.

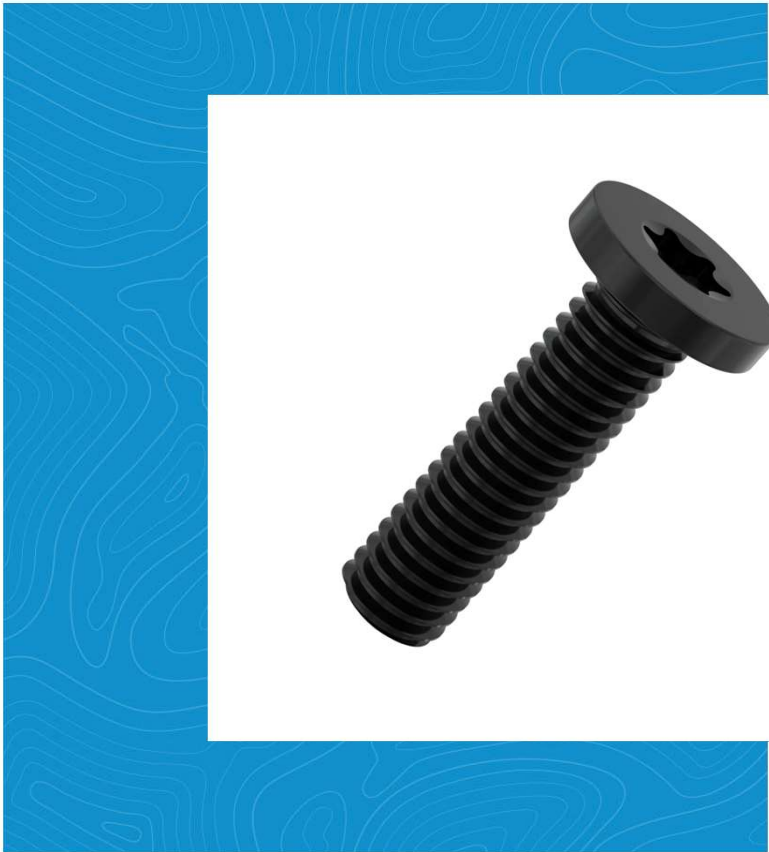
Metric Cap Head Captive Screws

Thread Size (T)	Length (L)	Head Diameter (Max) (D)	Material	Finish
<input type="checkbox"/> M2 (2mm) 10	<input type="checkbox"/> 8mm 2	<input type="checkbox"/> 3.8mm 10	<input type="checkbox"/> Stainless Steel (A2) 68	<input type="checkbox"/> Matte Black 24
<input type="checkbox"/> M3 (3mm) 15	<input type="checkbox"/> 10mm 2	<input type="checkbox"/> 5.5mm 15		<input type="checkbox"/> Natural 25
<input type="checkbox"/> M4 (4mm) 15	<input type="checkbox"/> 12mm 5	<input type="checkbox"/> 7mm 15		<input type="checkbox"/> Thread Locking 19
<input type="checkbox"/> M5 (5mm) 13	<input type="checkbox"/> 14mm 5	<input type="checkbox"/> 8.5mm 13		
<input type="checkbox"/> M6 (6mm) 15	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> 10mm 15		
	<input type="checkbox"/> 20mm 9			
	<input type="checkbox"/> 25mm 12			
	<input type="checkbox"/> 30mm 9			

Metric Cap Head Captive Screws

Thread Size (T)	Length (L)	Head Diameter (Max) (D)	Material	Finish
<input type="checkbox"/> M2 (2mm) 10	<input type="checkbox"/> 14mm 5	<input type="checkbox"/> 3.8mm 10	<input type="checkbox"/> Stainless Steel (A2) 68	<input type="checkbox"/> Matte Black 24
<input type="checkbox"/> M3 (3mm) 15	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> 5.5mm 15		<input type="checkbox"/> Natural 25
<input type="checkbox"/> M4 (4mm) 15	<input type="checkbox"/> 20mm 9	<input type="checkbox"/> 7mm 15		<input type="checkbox"/> Thread Locking 19
<input type="checkbox"/> M5 (5mm) 13	<input type="checkbox"/> 25mm 12	<input type="checkbox"/> 8.5mm 13		
<input type="checkbox"/> M6 (6mm) 15	<input type="checkbox"/> 30mm 9	<input type="checkbox"/> 10mm 15		
	<input type="checkbox"/> 35mm 4			
	<input type="checkbox"/> 40mm 9			
	<input type="checkbox"/> 50mm 3			

TORX ULTRA LOW CAP HEAD SCREWS

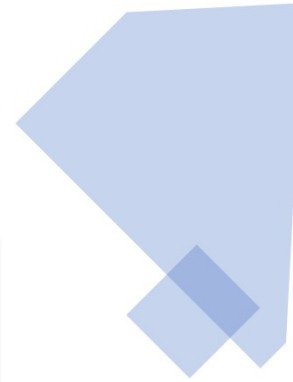


APPLICATIONS

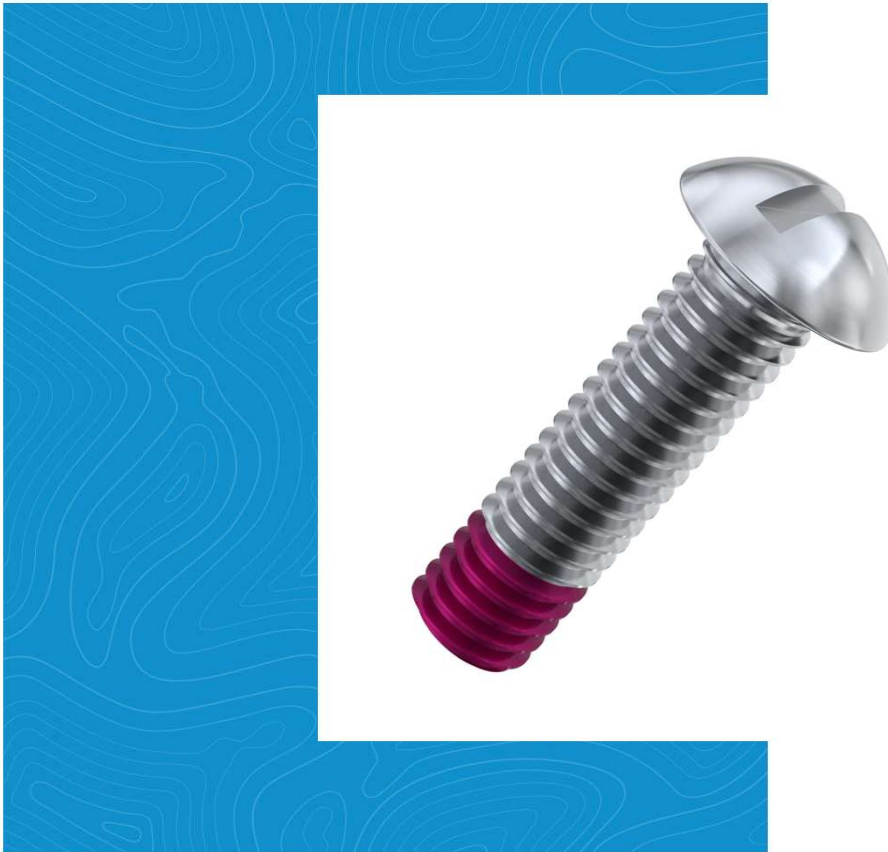
Torx screws are typically used in **vehicles, motorcycles, bicycles, computer systems, hard disk drives and consumer electronics**. The unusual star-shaped head makes them far more secure than regular flat-head or cross-head screws and allows higher torque transmission so screws and bolts can be tightened more securely.

Thread Size	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M3 (3mm) 18	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 6mm 18	<input type="checkbox"/> PEEK 28	<input type="checkbox"/> Black 26
<input type="checkbox"/> M4 (4mm) 21	<input type="checkbox"/> 8mm 9	<input type="checkbox"/> 8mm 21	<input type="checkbox"/> PPS 27	<input type="checkbox"/> Brown 55
<input type="checkbox"/> M5 (5mm) 20	<input type="checkbox"/> 10mm 11	<input type="checkbox"/> 9mm 20	<input type="checkbox"/> Remy 26	
<input type="checkbox"/> M6 (6mm) 22	<input type="checkbox"/> 12mm 12	<input type="checkbox"/> 10mm 22		
	<input type="checkbox"/> 16mm 12			
	<input type="checkbox"/> 20mm 12			
	<input type="checkbox"/> 25mm 10			
	<input type="checkbox"/> 30mm 6			

Thread Size	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M3 (3mm) 18	<input type="checkbox"/> 10mm 11	<input type="checkbox"/> 6mm 18	<input type="checkbox"/> PEEK 28	<input type="checkbox"/> Black 26
<input type="checkbox"/> M4 (4mm) 21	<input type="checkbox"/> 12mm 12	<input type="checkbox"/> 8mm 21	<input type="checkbox"/> PPS 27	<input type="checkbox"/> Brown 55
<input type="checkbox"/> M5 (5mm) 20	<input type="checkbox"/> 16mm 12	<input type="checkbox"/> 9mm 20	<input type="checkbox"/> Remy 26	
<input type="checkbox"/> M6 (6mm) 22	<input type="checkbox"/> 20mm 12	<input type="checkbox"/> 10mm 22		
	<input type="checkbox"/> 25mm 10			
	<input type="checkbox"/> 30mm 6			
	<input type="checkbox"/> 35mm 1			
	<input type="checkbox"/> 40mm 2			



SLOTTED ROUND HEAD SCREWS



APPLICATIONS

A combination slotted/hex head cap is often used for **self-tapping screws for metal**, where the hex head enables greater torque during the initial self-tapping installation, while allowing the convenience of a slotted screwdriver to be used for removal and reinsertion.

Slotted Round Head Screws

Thread Size (T)	Length (L)	Head Diameter (K)	Material	Finish
<input type="checkbox"/> 1/4-20 48	<input type="checkbox"/> 1 inch 42	<input type="checkbox"/> 0.26 inch 46	<input type="checkbox"/> Nylon 25	<input type="checkbox"/> Matte Black 196
<input type="checkbox"/> 1/4-28 48	<input type="checkbox"/> 1.1/2 inch 30	<input type="checkbox"/> 0.59 inch 45	<input type="checkbox"/> Stainless Steel (A2) 556	<input type="checkbox"/> Natural 221
<input type="checkbox"/> 2-56 34	<input type="checkbox"/> 1.1/4 inch 32	<input type="checkbox"/> 0.162 inch 34		<input type="checkbox"/> Thread Locking 164
<input type="checkbox"/> 2BA 12	<input type="checkbox"/> 1.3/4 inch 24	<input type="checkbox"/> 0.187 inch 34		
<input type="checkbox"/> 3-48 34	<input type="checkbox"/> 1/2 inch 42	<input type="checkbox"/> 0.189 inch 18		
<input type="checkbox"/> 3/8-16 39	<input type="checkbox"/> 1/4 inch 26	<input type="checkbox"/> 0.211 inch 40		
<input type="checkbox"/> 4-40 40	<input type="checkbox"/> 1/8 inch 10	<input type="checkbox"/> 0.236 inch 40		
<input type="checkbox"/> 4BA 14	<input type="checkbox"/> 2 inch 24	<input type="checkbox"/> 0.247 inch 14		

Slotted Round Head Screws

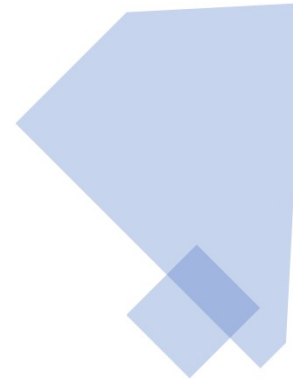
Thread Size (T)	Length (L)	Head Diameter (K)	Material	Finish
<input type="checkbox"/> 5/16-18 45	<input type="checkbox"/> 3 inch 18	<input type="checkbox"/> 0.309 inch 39	<input type="checkbox"/> Nylon 25	<input type="checkbox"/> Matte Black 196
<input type="checkbox"/> 6-32 46	<input type="checkbox"/> 3.1/2 inch 3	<input type="checkbox"/> 0.314 inch 12	<input type="checkbox"/> Stainless Steel (A2) 556	<input type="checkbox"/> Natural 221
<input type="checkbox"/> 6BA 18	<input type="checkbox"/> 3/4 inch 42	<input type="checkbox"/> 0.359 inch 99		<input type="checkbox"/> Thread Locking 164
<input type="checkbox"/> 8-32 39	<input type="checkbox"/> 3/8 inch 39	<input type="checkbox"/> 0.472 inch 96		
<input type="checkbox"/> 10-24 51	<input type="checkbox"/> 3/16 inch 12	<input type="checkbox"/> 0.708 inch 39		
<input type="checkbox"/> 10-32 48	<input type="checkbox"/> 4 inch 3	<input type="checkbox"/> 5.5mm 7		
<input type="checkbox"/> M3 (3mm) 7	<input type="checkbox"/> 4mm 1	<input type="checkbox"/> 7mm 6		
<input type="checkbox"/> M4 (4mm) 6	<input type="checkbox"/> 5/8 inch 42	<input type="checkbox"/> 9mm 4		

Slotted Round Head Screws

Thread Size (T)	Length (L)	Head Diameter (K)	Material	Finish
<input type="checkbox"/> 6BA 18 ^	<input type="checkbox"/> 9/16 inch 15 ^	<input type="checkbox"/> 0.314 inch 12 ^	<input type="checkbox"/> Nylon 25 ^	<input type="checkbox"/> Matte Black 196 ^
<input type="checkbox"/> 8-32 39	<input type="checkbox"/> 10mm 4	<input type="checkbox"/> 0.359 inch 99	<input type="checkbox"/> Stainless Steel (A2) 556	<input type="checkbox"/> Natural 221
<input type="checkbox"/> 10-24 51	<input type="checkbox"/> 12mm 2	<input type="checkbox"/> 0.472 inch 96		<input type="checkbox"/> Thread Locking 164
<input type="checkbox"/> 10-32 48	<input type="checkbox"/> 16mm 4	<input type="checkbox"/> 0.708 inch 39		
<input type="checkbox"/> M3 (3mm) 7	<input type="checkbox"/> 20mm 4	<input type="checkbox"/> 5.5mm 7		
<input type="checkbox"/> M4 (4mm) 6	<input type="checkbox"/> 22mm 1	<input type="checkbox"/> 7mm 6		
<input type="checkbox"/> M5 (5mm) 4	<input type="checkbox"/> 25mm 2	<input type="checkbox"/> 9mm 4		
<input type="checkbox"/> M6 (6mm) 8 v	<input type="checkbox"/> 30mm 1 v	<input type="checkbox"/> 10mm 8 v		

Slotted Round Head Screws

Thread Size (T)	Length (L)	Head Diameter (K)	Material	Finish
<input type="checkbox"/> 6BA 18 ^	<input type="checkbox"/> 6mm 2 ^	<input type="checkbox"/> 0.314 inch 12 ^	<input type="checkbox"/> Nylon 25 ^	<input type="checkbox"/> Matte Black 196 ^
<input type="checkbox"/> 8-32 39	<input type="checkbox"/> 6.5mm 1	<input type="checkbox"/> 0.359 inch 99	<input type="checkbox"/> Stainless Steel (A2) 556	<input type="checkbox"/> Natural 221
<input type="checkbox"/> 10-24 51	<input type="checkbox"/> 7/8 inch 40	<input type="checkbox"/> 0.472 inch 96		<input type="checkbox"/> Thread Locking 164
<input type="checkbox"/> 10-32 48	<input type="checkbox"/> 7/16 inch 33	<input type="checkbox"/> 0.708 inch 39		
<input type="checkbox"/> M3 (3mm) 7	<input type="checkbox"/> 8mm 3	<input type="checkbox"/> 5.5mm 7		
<input type="checkbox"/> M4 (4mm) 6	<input type="checkbox"/> 9/16 inch 15	<input type="checkbox"/> 7mm 6		
<input type="checkbox"/> M5 (5mm) 4	<input type="checkbox"/> 10mm 4	<input type="checkbox"/> 9mm 4		
<input type="checkbox"/> M6 (6mm) 8 v	<input type="checkbox"/> 12mm 2 v	<input type="checkbox"/> 10mm 8 v		



IMPERIAL SECURITY TORX BUTTON HEAD SCREWS



APPLICATIONS

Torx screws are commonly found on **automobiles, motorcycles, bicycle brake systems (disc brakes), hard disk drives, computer systems and consumer electronics.**

Imperial Security Torx Button Head Screws

Thread Size (T)	Length (L)	Security Torx Drive Size	Material	Finish
<input type="checkbox"/> 1/4-20 21	<input type="checkbox"/> 1 inch 21	<input type="checkbox"/> T8 9	<input type="checkbox"/> Stainless Steel (A2) 135	<input type="checkbox"/> Matte Black 45
<input type="checkbox"/> 3/8-16 12	<input type="checkbox"/> 1.1/2 inch 15	<input type="checkbox"/> T10 15		<input type="checkbox"/> Natural 45
<input type="checkbox"/> 4-40 9	<input type="checkbox"/> 1.1/4 inch 18	<input type="checkbox"/> T15 21		<input type="checkbox"/> Thread Locking 45
<input type="checkbox"/> 5/16-18 12	<input type="checkbox"/> 1/2 inch 18	<input type="checkbox"/> T25 45		
<input type="checkbox"/> 6-32 15	<input type="checkbox"/> 1/4 inch 12	<input type="checkbox"/> T27 21		
<input type="checkbox"/> 8-32 21	<input type="checkbox"/> 2 inch 3	<input type="checkbox"/> T40 12		
<input type="checkbox"/> 10-24 24	<input type="checkbox"/> 3/4 inch 21	<input type="checkbox"/> T45 12		
<input type="checkbox"/> 10-32 21	<input type="checkbox"/> 3/8 inch 15			

Imperial Security Torx Button Head Screws

Thread Size (T)	Length (L)	Security Torx Drive Size	Material	Finish
<input type="checkbox"/> 1/4-20 21	<input type="checkbox"/> 1.1/2 inch 15	<input type="checkbox"/> T8 9	<input type="checkbox"/> Stainless Steel (A2) 135	<input type="checkbox"/> Matte Black 45
<input type="checkbox"/> 3/8-16 12	<input type="checkbox"/> 1.1/4 inch 18	<input type="checkbox"/> T10 15		<input type="checkbox"/> Natural 45
<input type="checkbox"/> 4-40 9	<input type="checkbox"/> 1/2 inch 18	<input type="checkbox"/> T15 21		<input type="checkbox"/> Thread Locking 45
<input type="checkbox"/> 5/16-18 12	<input type="checkbox"/> 1/4 inch 12	<input type="checkbox"/> T25 45		
<input type="checkbox"/> 6-32 15	<input type="checkbox"/> 2 inch 3	<input type="checkbox"/> T27 21		
<input type="checkbox"/> 8-32 21	<input type="checkbox"/> 3/4 inch 21	<input type="checkbox"/> T40 12		
<input type="checkbox"/> 10-24 24	<input type="checkbox"/> 3/8 inch 15	<input type="checkbox"/> T45 12		
<input type="checkbox"/> 10-32 21	<input type="checkbox"/> 5/8 inch 12			

SLOTTED PAN HEAD SHOULDER SCREWS



APPLICATIONS

Shoulder screws are meant **to hold objects together and in a particular position.**

However, these screws are designed for use in parts which requires a mounting pin, joint, shaft, dowel, pivot, or sliding motion. A shoulder screw is **a mechanical fastener that screws into one part and provides a freely rotating pin joint connection to another part.** A shoulder screw is also called a shoulder bolt.

Slotted Pan Head Shoulder Screws

Thread Size (T)	Shoulder Diameter (d)	Shoulder Length (L)	Material	Finish
<input type="checkbox"/> M2 (2mm) 18 ^	<input type="checkbox"/> 2.8mm 18 ^	<input type="checkbox"/> 1mm 6 ^	<input type="checkbox"/> Stainless Steel (Al) 185 ^	<input type="checkbox"/> Matte Black 66 ^
<input type="checkbox"/> M2.5 (2.5mm) 21	<input type="checkbox"/> 3.5mm 21	<input type="checkbox"/> 2mm 10		<input type="checkbox"/> Natural 66
<input type="checkbox"/> M3 (3mm) 26	<input type="checkbox"/> 4mm 26	<input type="checkbox"/> 2.5mm 6		<input type="checkbox"/> Thread Locking 53
<input type="checkbox"/> M4 (4mm) 29	<input type="checkbox"/> 5.5mm 29	<input type="checkbox"/> 3mm 14		
<input type="checkbox"/> M5 (5mm) 24	<input type="checkbox"/> 7mm 24	<input type="checkbox"/> 4mm 17		
<input type="checkbox"/> M6 (6mm) 28	<input type="checkbox"/> 8mm 28	<input type="checkbox"/> 5mm 21		
<input type="checkbox"/> M8 (8mm) 30	<input type="checkbox"/> 10mm 30	<input type="checkbox"/> 6mm 21		
<input type="checkbox"/> M10 (10mm) 9 v	<input type="checkbox"/> 13mm 9 v	<input type="checkbox"/> 8mm 18 v		

Slotted Pan Head Shoulder Screws

Thread Size (T)	Shoulder Diameter (d)	Shoulder Length (L)	Material	Finish
<input type="checkbox"/> M2 (2mm) 18 ^	<input type="checkbox"/> 2.8mm 18 ^	<input type="checkbox"/> 6mm 21 ^	<input type="checkbox"/> Stainless Steel (Al) 185 ^	<input type="checkbox"/> Matte Black 66 ^
<input type="checkbox"/> M2.5 (2.5mm) 21	<input type="checkbox"/> 3.5mm 21	<input type="checkbox"/> 8mm 18		<input type="checkbox"/> Natural 66
<input type="checkbox"/> M3 (3mm) 26	<input type="checkbox"/> 4mm 26	<input type="checkbox"/> 10mm 18		<input type="checkbox"/> Thread Locking 53
<input type="checkbox"/> M4 (4mm) 29	<input type="checkbox"/> 5.5mm 29	<input type="checkbox"/> 12mm 18		
<input type="checkbox"/> M5 (5mm) 24	<input type="checkbox"/> 7mm 24	<input type="checkbox"/> 16mm 18		
<input type="checkbox"/> M6 (6mm) 28	<input type="checkbox"/> 8mm 28	<input type="checkbox"/> 20mm 9		
<input type="checkbox"/> M8 (8mm) 30	<input type="checkbox"/> 10mm 30	<input type="checkbox"/> 25mm 6		
<input type="checkbox"/> M10 (10mm) 9 v	<input type="checkbox"/> 13mm 9 v	<input type="checkbox"/> 30mm 3 v		

TORX PAN HEAD THREAD ROLLING SCREWS



APPLICATIONS

Thread rolling screws are **designed for reliable and secure fastening into materials such as plastic**. They have a trilobular lobed cross-section, and form threads in pre-existing holes by pushing material outward during installation.

Torx Pan Head Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Torx Drive Size	Material	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 4mm 2	<input type="checkbox"/> T8 12	<input type="checkbox"/> Stainless Steel (A2) 72	<input type="checkbox"/> Matte Black 36
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> T10 14		<input type="checkbox"/> Natural 36
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> T20 16		
<input type="checkbox"/> M5 (5mm) 16	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> T25 16		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> T30 14		
	<input type="checkbox"/> 12mm 10			
	<input type="checkbox"/> 14mm 2			
	<input type="checkbox"/> 16mm 8			

Torx Pan Head Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Torx Drive Size	Material	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> T8 12	<input type="checkbox"/> Stainless Steel (A2) 72	<input type="checkbox"/> Matte Black 36
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> T10 14		<input type="checkbox"/> Natural 36
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> T20 16		
<input type="checkbox"/> M5 (5mm) 16	<input type="checkbox"/> 14mm 2	<input type="checkbox"/> T25 16		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> T30 14		
	<input type="checkbox"/> 20mm 8			
	<input type="checkbox"/> 25mm 6			
	<input type="checkbox"/> 30mm 6			

POZI COUNTERSUNK THREAD ROLLING SCREWS



APPLICATIONS

Screw threads have several applications: **Fastening: Fasteners such as wood screws, plastic screws, machine screws, nuts, and bolts. Connecting threaded pipes and hoses to each other and to caps and fixtures.**

Pozi Countersunk Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Head Dia. (D)	Pozi Drive Size	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 4mm 2	<input type="checkbox"/> 4.7mm 12	<input type="checkbox"/> #1 26	<input type="checkbox"/> Matte Black 35
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> 5.6mm 14	<input type="checkbox"/> #2 30	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 7.5mm 16	<input type="checkbox"/> #3 14	
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> 9.2mm 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 11mm 14		
	<input type="checkbox"/> 12mm 10			
	<input type="checkbox"/> 16mm 8			
	<input type="checkbox"/> 20mm 8			

Pozi Countersunk Thread Rolling Screws - Stainless Steel (A2)

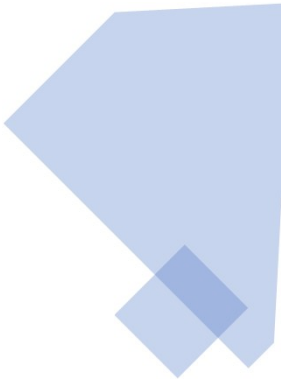
Thread Size (T)	Length (L)	Head Dia. (D)	Pozi Drive Size	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 4.7mm 12	<input type="checkbox"/> #1 26	<input type="checkbox"/> Matte Black 35
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> 5.6mm 14	<input type="checkbox"/> #2 30	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 7.5mm 16	<input type="checkbox"/> #3 14	
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> 9.2mm 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> 11mm 14		
	<input type="checkbox"/> 20mm 8			
	<input type="checkbox"/> 25mm 6			
	<input type="checkbox"/> 30mm 6			

TORX CAP SCREWS



APPLICATIONS

Torx screws are typically used in vehicles, motorcycles, bicycles, computer systems, hard disk drives and consumer electronics. The unusual star-shaped head makes them far more secure than regular flat-head or cross-head screws and **allows higher torque transmission so screws and bolts can be tightened more securely**



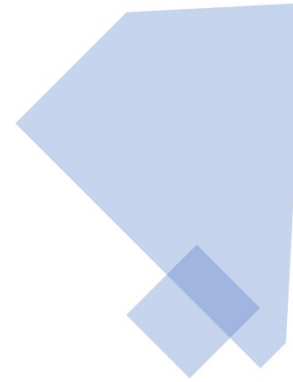
Thread Size (T)	Length (L)	Fully Threaded	Material	Finish
<input type="checkbox"/> M2 (2mm) 44	<input type="checkbox"/> 3mm 8	<input type="checkbox"/> No 344	<input type="checkbox"/> Marine Stainless Steel (A4) 454	<input type="checkbox"/> Matte Black 312
<input type="checkbox"/> M2.5 (2.5mm) 62	<input type="checkbox"/> 4mm 12	<input type="checkbox"/> Yes 564	<input type="checkbox"/> Stainless Steel (A2) 454	<input type="checkbox"/> Natural 312
<input type="checkbox"/> M3 (3mm) 88	<input type="checkbox"/> 5mm 22			<input type="checkbox"/> Thread Locking 284
<input type="checkbox"/> M4 (4mm) 150	<input type="checkbox"/> 6mm 34			
<input type="checkbox"/> M5 (5mm) 144	<input type="checkbox"/> 8mm 34			
<input type="checkbox"/> M6 (6mm) 138	<input type="checkbox"/> 10mm 34			
<input type="checkbox"/> M8 (8mm) 138	<input type="checkbox"/> 12mm 34			
<input type="checkbox"/> M10 (10mm) 144	<input type="checkbox"/> 14mm 34			

Thread Size (T)	Length (L)	Fully Threaded	Material	Finish
<input type="checkbox"/> M2 (2mm) 44	<input type="checkbox"/> 16mm 46	<input type="checkbox"/> No 344	<input type="checkbox"/> Marine Stainless Steel (A4) 454	<input type="checkbox"/> Matte Black 312
<input type="checkbox"/> M2.5 (2.5mm) 62	<input type="checkbox"/> 18mm 40	<input type="checkbox"/> Yes 564	<input type="checkbox"/> Stainless Steel (A2) 454	<input type="checkbox"/> Natural 312
<input type="checkbox"/> M3 (3mm) 88	<input type="checkbox"/> 20mm 46			<input type="checkbox"/> Thread Locking 284
<input type="checkbox"/> M4 (4mm) 150	<input type="checkbox"/> 22mm 30			
<input type="checkbox"/> M5 (5mm) 144	<input type="checkbox"/> 25mm 42			
<input type="checkbox"/> M6 (6mm) 138	<input type="checkbox"/> 30mm 54			
<input type="checkbox"/> M8 (8mm) 138	<input type="checkbox"/> 35mm 48			
<input type="checkbox"/> M10 (10mm) 144	<input type="checkbox"/> 40mm 54			



Thread Size (T)	Length (L)	Fully Threaded	Material	Finish
<input type="checkbox"/> M2 (2mm) 44	<input type="checkbox"/> 45mm 60	<input type="checkbox"/> No 344	<input type="checkbox"/> Marine Stainless Steel (A4) 454	<input type="checkbox"/> Matte Black 312
<input type="checkbox"/> M2.5 (2.5mm) 62	<input type="checkbox"/> 50mm 60	<input type="checkbox"/> Yes 564	<input type="checkbox"/> Stainless Steel (A2) 454	<input type="checkbox"/> Natural 312
<input type="checkbox"/> M3 (3mm) 88	<input type="checkbox"/> 55mm 60			<input type="checkbox"/> Thread Locking 284
<input type="checkbox"/> M4 (4mm) 150	<input type="checkbox"/> 60mm 60			
<input type="checkbox"/> M5 (5mm) 144	<input type="checkbox"/> 65mm 24			
<input type="checkbox"/> M6 (6mm) 138	<input type="checkbox"/> 70mm 24			
<input type="checkbox"/> M8 (8mm) 138	<input type="checkbox"/> 80mm 24			
<input type="checkbox"/> M10 (10mm) 144	<input type="checkbox"/> 90mm 12			

Thread Size (T)	Length (L)	Fully Threaded	Material	Finish
<input type="checkbox"/> M2 (2mm) 44	<input type="checkbox"/> 50mm 60	<input type="checkbox"/> No 344	<input type="checkbox"/> Marine Stainless Steel (A4) 454	<input type="checkbox"/> Matte Black 312
<input type="checkbox"/> M2.5 (2.5mm) 62	<input type="checkbox"/> 55mm 60	<input type="checkbox"/> Yes 564	<input type="checkbox"/> Stainless Steel (A2) 454	<input type="checkbox"/> Natural 312
<input type="checkbox"/> M3 (3mm) 88	<input type="checkbox"/> 60mm 60			<input type="checkbox"/> Thread Locking 284
<input type="checkbox"/> M4 (4mm) 150	<input type="checkbox"/> 65mm 24			
<input type="checkbox"/> M5 (5mm) 144	<input type="checkbox"/> 70mm 24			
<input type="checkbox"/> M6 (6mm) 138	<input type="checkbox"/> 80mm 24			
<input type="checkbox"/> M8 (8mm) 138	<input type="checkbox"/> 90mm 12			
<input type="checkbox"/> M10 (10mm) 144	<input type="checkbox"/> 100mm 12			



IMPERIAL BINDING PAN HEAD SCREWS

APPLICATIONS

Pan head screws are often used **to secure metal components, such as machinery and automotive parts and accessories, such as license plates and head lights**. Pan head screws are a common head type of non-countersunk screw head used **to secure and fasten insulation**. They have wide heads, a flat bearing surface, and a flat or slightly domed top surface with a recessed socket.



Imperial Binding Pan Head Screws

Thread Size (T)	Length (L)	Head Diameter (K)	Material	Finish
<input type="checkbox"/> 1/4-20 48	<input type="checkbox"/> 1 inch 36	<input type="checkbox"/> 0.068 inch 3	<input type="checkbox"/> Stainless Steel (A2) 489	<input type="checkbox"/> Matte Black 166
<input type="checkbox"/> 1/4-28 48	<input type="checkbox"/> 1.1/2 inch 30	<input type="checkbox"/> 0.078 inch 8		<input type="checkbox"/> Natural 166
<input type="checkbox"/> 2-56 34	<input type="checkbox"/> 1.1/4 inch 30	<input type="checkbox"/> 0.165 inch 57		<input type="checkbox"/> Thread Locking 157
<input type="checkbox"/> 3-48 34	<input type="checkbox"/> 1.3/4 inch 24	<input type="checkbox"/> 0.209 inch 45		
<input type="checkbox"/> 3/8-16 39	<input type="checkbox"/> 1/2 inch 36	<input type="checkbox"/> 0.253 inch 39		
<input type="checkbox"/> 4-40 40	<input type="checkbox"/> 1/4 inch 24	<input type="checkbox"/> 4.6mm 34		
<input type="checkbox"/> 5-40 40	<input type="checkbox"/> 1/8 inch 8	<input type="checkbox"/> 5.28mm 34		
<input type="checkbox"/> 5/16-18 45	<input type="checkbox"/> 2 inch 24	<input type="checkbox"/> 5.97mm 37		

Imperial Binding Pan Head Screws

Thread Size (T)	Length (L)	Head Diameter (K)	Material	Finish
<input type="checkbox"/> 3/8-16 39	<input type="checkbox"/> 2.1/2 inch 12	<input type="checkbox"/> 4.6mm 34	<input type="checkbox"/> Stainless Steel (A2) 489	<input type="checkbox"/> Matte Black 166
<input type="checkbox"/> 4-40 40	<input type="checkbox"/> 2.1/4 inch 9	<input type="checkbox"/> 5.28mm 34		<input type="checkbox"/> Natural 166
<input type="checkbox"/> 5-40 40	<input type="checkbox"/> 2.3/4 inch 9	<input type="checkbox"/> 5.97mm 37		<input type="checkbox"/> Thread Locking 157
<input type="checkbox"/> 5/16-18 45	<input type="checkbox"/> 3 inch 12	<input type="checkbox"/> 6.68mm 32		
<input type="checkbox"/> 6-32 44	<input type="checkbox"/> 3.1/2 inch 3	<input type="checkbox"/> 7.37mm 44		
<input type="checkbox"/> 8-32 39	<input type="checkbox"/> 3/4 inch 36	<input type="checkbox"/> 8.74mm 39		
<input type="checkbox"/> 10-24 39	<input type="checkbox"/> 3/8 inch 33	<input type="checkbox"/> 10.13mm 78		
<input type="checkbox"/> 10-32 39	<input type="checkbox"/> 3/16 inch 10	<input type="checkbox"/> 13.34mm 39		

Imperial Binding Pan Head Screws

Thread Size (T)	Length (L)	Head Diameter (K)	Material	Finish
<input type="checkbox"/> 3/8-16 39	<input type="checkbox"/> 3/8 inch 33	<input type="checkbox"/> 4.6mm 34	<input type="checkbox"/> Stainless Steel (A2) 489	<input type="checkbox"/> Matte Black 166
<input type="checkbox"/> 4-40 40	<input type="checkbox"/> 3/16 inch 10	<input type="checkbox"/> 5.28mm 34		<input type="checkbox"/> Natural 166
<input type="checkbox"/> 5-40 40	<input type="checkbox"/> 4 inch 3	<input type="checkbox"/> 5.97mm 37		<input type="checkbox"/> Thread Locking 157
<input type="checkbox"/> 5/16-18 45	<input type="checkbox"/> 5/8 inch 36	<input type="checkbox"/> 6.68mm 32		
<input type="checkbox"/> 6-32 44	<input type="checkbox"/> 5/16 inch 30	<input type="checkbox"/> 7.37mm 44		
<input type="checkbox"/> 8-32 39	<input type="checkbox"/> 7/8 inch 36	<input type="checkbox"/> 8.74mm 39		
<input type="checkbox"/> 10-24 39	<input type="checkbox"/> 7/16 inch 33	<input type="checkbox"/> 10.13mm 78		
<input type="checkbox"/> 10-32 39	<input type="checkbox"/> 9/16 inch 15	<input type="checkbox"/> 13.34mm 39		

METRIC SOCKET CAP HEAD SEALING SCREWS

APPLICATIONS

They are **used in military applications, to build and secure medical equipment and even in marine hulls.** They are also used in valves, electronic devices & panels, fuel tanks, food processing equipment, consumer products and more. The Socket Cap Seal Screw is safe, high quality and reliable.

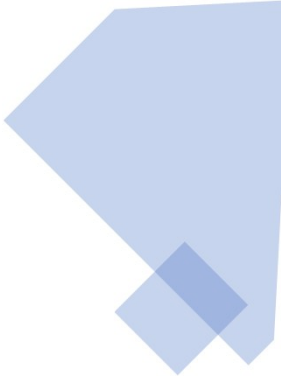


Metric Socket Cap Head Sealing Screws

Thread Size	Thread Length	O-Ring Material	Material	Finish
<input type="checkbox"/> M2 (2mm) 56	<input type="checkbox"/> 4mm 24	<input type="checkbox"/> Buna T18	<input type="checkbox"/> Stainless Steel (A2) 472	<input type="checkbox"/> Natural 236
<input type="checkbox"/> M2.5 (2.5mm) 56	<input type="checkbox"/> 6mm 32	<input type="checkbox"/> Fluorosilicone T18		<input type="checkbox"/> Thread Locking 236
<input type="checkbox"/> M3 (3mm) 72	<input type="checkbox"/> 8mm 32	<input type="checkbox"/> Silicone T18		
<input type="checkbox"/> M4 (4mm) 72	<input type="checkbox"/> 10mm 56	<input type="checkbox"/> Viton T18		
<input type="checkbox"/> M5 (5mm) 56	<input type="checkbox"/> 12mm 56			
<input type="checkbox"/> M6 (6mm) 56	<input type="checkbox"/> 14mm 40			
<input type="checkbox"/> M8 (8mm) 56	<input type="checkbox"/> 16mm 72			
<input type="checkbox"/> M10 (10mm) 24	<input type="checkbox"/> 18mm 32			

Metric Socket Cap Head Sealing Screws

Thread Size	Thread Length	O-Ring Material	Material	Finish
<input type="checkbox"/> M2.5 (2.5mm) 56	<input type="checkbox"/> 8mm 32	<input type="checkbox"/> Buna T18	<input type="checkbox"/> Stainless Steel (A2) 472	<input type="checkbox"/> Natural 236
<input type="checkbox"/> M3 (3mm) 72	<input type="checkbox"/> 10mm 56	<input type="checkbox"/> Fluorosilicone T18		<input type="checkbox"/> Thread Locking 236
<input type="checkbox"/> M4 (4mm) 72	<input type="checkbox"/> 12mm 56	<input type="checkbox"/> Silicone T18		
<input type="checkbox"/> M5 (5mm) 56	<input type="checkbox"/> 14mm 40	<input type="checkbox"/> Viton T18		
<input type="checkbox"/> M6 (6mm) 56	<input type="checkbox"/> 16mm 72			
<input type="checkbox"/> M8 (8mm) 56	<input type="checkbox"/> 18mm 32			
<input type="checkbox"/> M10 (10mm) 24	<input type="checkbox"/> 20mm 72			
<input type="checkbox"/> M12 (12mm) 24	<input type="checkbox"/> 25mm 56			



METRIC SLOTTED MUSHROOM SCREWS



APPLICATIONS

Mushroom Head Screws are wide headed, lower profile screws with a traditional slot drive. They are used for **bolting softer materials** and are usually manufactured with a full thread. Their mushroom head is larger in diameter to create a larger bearing surface.

Metric Slotted Mushroom Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M3 (3mm) 39	<input type="checkbox"/> 5mm 3	<input type="checkbox"/> 6.9mm 39	<input type="checkbox"/> Nylon 47	<input type="checkbox"/> Matte Black 89
<input type="checkbox"/> M4 (4mm) 51	<input type="checkbox"/> 6mm 10	<input type="checkbox"/> 9mm 9	<input type="checkbox"/> Stainless Steel (A2) 222	<input type="checkbox"/> Natural 106
<input type="checkbox"/> M5 (5mm) 63	<input type="checkbox"/> 6.5mm 1	<input type="checkbox"/> 10mm 42		<input type="checkbox"/> Thread Locking 74
<input type="checkbox"/> M6 (6mm) 66	<input type="checkbox"/> 8mm 15	<input type="checkbox"/> 11mm 12		
<input type="checkbox"/> M8 (8mm) 50	<input type="checkbox"/> 10mm 18	<input type="checkbox"/> 12.5mm 51		
	<input type="checkbox"/> 12mm 18	<input type="checkbox"/> 14mm 18		
	<input type="checkbox"/> 16mm 23	<input type="checkbox"/> 15mm 48		
	<input type="checkbox"/> 20mm 23	<input type="checkbox"/> 20mm 50		

Metric Slotted Mushroom Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M3 (3mm) 39	<input type="checkbox"/> 20mm 23	<input type="checkbox"/> 6.9mm 39	<input type="checkbox"/> Nylon 47	<input type="checkbox"/> Matte Black 89
<input type="checkbox"/> M4 (4mm) 51	<input type="checkbox"/> 22mm 1	<input type="checkbox"/> 9mm 9	<input type="checkbox"/> Stainless Steel (A2) 222	<input type="checkbox"/> Natural 106
<input type="checkbox"/> M5 (5mm) 63	<input type="checkbox"/> 25mm 18	<input type="checkbox"/> 10mm 42		<input type="checkbox"/> Thread Locking 74
<input type="checkbox"/> M6 (6mm) 66	<input type="checkbox"/> 30mm 21	<input type="checkbox"/> 11mm 12		
<input type="checkbox"/> M8 (8mm) 50	<input type="checkbox"/> 35mm 16	<input type="checkbox"/> 12.5mm 51		
	<input type="checkbox"/> 40mm 18	<input type="checkbox"/> 14mm 18		
	<input type="checkbox"/> 45mm 15	<input type="checkbox"/> 15mm 48		
	<input type="checkbox"/> 50mm 16	<input type="checkbox"/> 20mm 50		

Metric Slotted Mushroom Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M3 (3mm) 39	<input type="checkbox"/> 40mm 18	<input type="checkbox"/> 6.9mm 39	<input type="checkbox"/> Nylon 47	<input type="checkbox"/> Matte Black 89
<input type="checkbox"/> M4 (4mm) 51	<input type="checkbox"/> 45mm 15	<input type="checkbox"/> 9mm 9	<input type="checkbox"/> Stainless Steel (A2) 222	<input type="checkbox"/> Natural 106
<input type="checkbox"/> M5 (5mm) 63	<input type="checkbox"/> 50mm 16	<input type="checkbox"/> 10mm 42		<input type="checkbox"/> Thread Locking 74
<input type="checkbox"/> M6 (6mm) 66	<input type="checkbox"/> 60mm 13	<input type="checkbox"/> 11mm 12		
<input type="checkbox"/> M8 (8mm) 50	<input type="checkbox"/> 70mm 12	<input type="checkbox"/> 12.5mm 51		
	<input type="checkbox"/> 80mm 10	<input type="checkbox"/> 14mm 18		
	<input type="checkbox"/> 90mm 9	<input type="checkbox"/> 15mm 48		
	<input type="checkbox"/> 100mm 9	<input type="checkbox"/> 20mm 50		

TORX PAN HEAD THREAD ROLLING SCREWS – STAINLESS STEEL (A2)



APPLICATIONS

Thread rolling screws are **designed for reliable and secure fastening into materials such as plastic**. They have a tri-lobular lobed cross-section, and form threads in pre-existing holes by pushing material outward during installation.

Torx Pan Head Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Torx Drive Size	Material	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12 ^	<input type="checkbox"/> 4mm 2 ^	<input type="checkbox"/> T8 12 ^	<input type="checkbox"/> Stainless Steel (A2) 72 ^	<input type="checkbox"/> Matte Black 36 ^
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> T10 14		<input type="checkbox"/> Natural 36
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> T20 16		
<input type="checkbox"/> M5 (5mm) 16	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> T25 16		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> T30 14		
	<input type="checkbox"/> 12mm 10			
	<input type="checkbox"/> 14mm 2			
	<input type="checkbox"/> 16mm 8			

Torx Pan Head Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Torx Drive Size	Material	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12 ^	<input type="checkbox"/> 8mm 10 ^	<input type="checkbox"/> T8 12 ^	<input type="checkbox"/> Stainless Steel (A2) 72 ^	<input type="checkbox"/> Matte Black 36 ^
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> T10 14		<input type="checkbox"/> Natural 36
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> T20 16		
<input type="checkbox"/> M5 (5mm) 16	<input type="checkbox"/> 14mm 2	<input type="checkbox"/> T25 16		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> T30 14		
	<input type="checkbox"/> 20mm 8			
	<input type="checkbox"/> 25mm 6			
	<input type="checkbox"/> 30mm 6			

VENTED SOCKET CAP HEAD SCREWS



APPLICATIONS

A vented screw features a hollow core (has a hole drilled through it) and are specially designed to **allow the release of gases, contaminants, and pressure through the fastener**. Vented Screws are widely used within vacuum systems and enable faster, more efficient pump-down of HV, UHV, and EUV systems.

Vented Socket Cap Head Screws

Thread Size	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M2 (2mm) 7 ^	<input type="checkbox"/> 4mm 2 ^	<input type="checkbox"/> 3.8mm 7 ^	<input type="checkbox"/> Marine Stainless Steel (A4) 2 ^	<input type="checkbox"/> Natural 85 ^
<input type="checkbox"/> M2.5 (2.5mm) 8	<input type="checkbox"/> 5mm 6	<input type="checkbox"/> 4.5mm 8	<input type="checkbox"/> Stainless Steel (A2) 140	<input type="checkbox"/> Thread Locking 57
<input type="checkbox"/> M3 (3mm) 12	<input type="checkbox"/> 6mm 8	<input type="checkbox"/> 5.5mm 12		
<input type="checkbox"/> M4 (4mm) 20	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> 7mm 20		
<input type="checkbox"/> M5 (5mm) 20	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 8.5mm 20		
<input type="checkbox"/> M6 (6mm) 24	<input type="checkbox"/> 12mm 14	<input type="checkbox"/> 10mm 24		
<input type="checkbox"/> M8 (8mm) 20	<input type="checkbox"/> 16mm 14	<input type="checkbox"/> 13mm 20		
<input type="checkbox"/> M10 (10mm) 18 v	<input type="checkbox"/> 20mm 11 v	<input type="checkbox"/> 16mm 18 v		

Vented Socket Cap Head Screws

Thread Size	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M3 (3mm) 12 ^	<input type="checkbox"/> 20mm 11 ^	<input type="checkbox"/> 5.5mm 12 ^	<input type="checkbox"/> Marine Stainless Steel (A4) 2 ^	<input type="checkbox"/> Natural 85 ^
<input type="checkbox"/> M4 (4mm) 20	<input type="checkbox"/> 25mm 11	<input type="checkbox"/> 7mm 20	<input type="checkbox"/> Stainless Steel (A2) 140	<input type="checkbox"/> Thread Locking 57
<input type="checkbox"/> M5 (5mm) 20	<input type="checkbox"/> 30mm 12	<input type="checkbox"/> 8.5mm 20		
<input type="checkbox"/> M6 (6mm) 24	<input type="checkbox"/> 35mm 12	<input type="checkbox"/> 10mm 24		
<input type="checkbox"/> M8 (8mm) 20	<input type="checkbox"/> 40mm 10	<input type="checkbox"/> 13mm 20		
<input type="checkbox"/> M10 (10mm) 18	<input type="checkbox"/> 45mm 8	<input type="checkbox"/> 16mm 18		
<input type="checkbox"/> M12 (12mm) 6	<input type="checkbox"/> 50mm 8	<input type="checkbox"/> 18mm 6		
<input type="checkbox"/> M16 (16mm) 7 v	<input type="checkbox"/> 60mm 6 v	<input type="checkbox"/> 24mm 7 v		

SERRATED SOCKET CAP HEAD SCREWS

APPLICATIONS

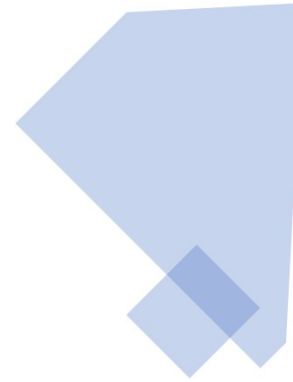
Socket head cap screws are widely used in **industrial production and assembly lines, including in the automotive sector, machine tooling applications and steel fabrication.** Socket head cap screws are typically used in **machine parts, die fixturing, and clamping.** Socket head cap screws are ideal for applications in which there is not enough space to maneuver wrenches or sockets.



Thread Size	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M8 (8mm) 28	<input type="checkbox"/> 12mm 2 <input type="checkbox"/> 14mm 2 <input type="checkbox"/> 16mm 2 <input type="checkbox"/> 20mm 2 <input type="checkbox"/> 22mm 2 <input type="checkbox"/> 25mm 2 <input type="checkbox"/> 28mm 2 <input type="checkbox"/> 30mm 2	<input type="checkbox"/> 13mm 28	<input type="checkbox"/> Stainless Steel (A2) 28	<input type="checkbox"/> Matte Black 14 <input type="checkbox"/> Natural 14

Serrated Socket Cap Head Screws

Thread Size	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M8 (8mm) 28	<input type="checkbox"/> 28mm 2 <input type="checkbox"/> 30mm 2 <input type="checkbox"/> 35mm 2 <input type="checkbox"/> 40mm 2 <input type="checkbox"/> 45mm 2 <input type="checkbox"/> 50mm 2 <input type="checkbox"/> 55mm 2 <input type="checkbox"/> 60mm 2	<input type="checkbox"/> 13mm 28	<input type="checkbox"/> Stainless Steel (A2) 28	<input type="checkbox"/> Matte Black 14 <input type="checkbox"/> Natural 14



FLANGED HEXAGON BOLTS

APPLICATIONS



Hexagon flanged bolts are mainly use in **automotive/plumbing applications**. Hex Flange Bolts are **typically used for automotive and construction applications**. The flange directly underneath the hexagon-shaped head is designed to distribute the load and help protect the surface beneath and eliminates the potential need for a washer head

Flanged Hexagon Bolts

Thread Size (T)	Length (L)	Flange Diameter (D)	Material	Finish
<input type="checkbox"/> M5 (5mm) 66	<input type="checkbox"/> 8mm 6	<input type="checkbox"/> 11.8mm 66	<input type="checkbox"/> Marine Stainless Steel (A4) 153	<input type="checkbox"/> Matte Black 102
<input type="checkbox"/> M6 (6mm) 72	<input type="checkbox"/> 10mm 12	<input type="checkbox"/> 14.2mm 72	<input type="checkbox"/> Stainless Steel (A2) 153	<input type="checkbox"/> Natural 102
<input type="checkbox"/> M8 (8mm) 78	<input type="checkbox"/> 12mm 18	<input type="checkbox"/> 18mm 78		<input type="checkbox"/> Thread Locking 102
<input type="checkbox"/> M10 (10mm) 90	<input type="checkbox"/> 16mm 24	<input type="checkbox"/> 22.3mm 90		
	<input type="checkbox"/> 20mm 24			
	<input type="checkbox"/> 25mm 24			
	<input type="checkbox"/> 30mm 24			
	<input type="checkbox"/> 35mm 24			

Flanged Hexagon Bolts

Thread Size (T)	Length (L)	Flange Diameter (D)	Material	Finish
<input type="checkbox"/> M5 (5mm) 66	<input type="checkbox"/> 40mm 24	<input type="checkbox"/> 11.8mm 66	<input type="checkbox"/> Marine Stainless Steel (A4) 153	<input type="checkbox"/> Matte Black 102
<input type="checkbox"/> M6 (6mm) 72	<input type="checkbox"/> 45mm 24	<input type="checkbox"/> 14.2mm 72	<input type="checkbox"/> Stainless Steel (A2) 153	<input type="checkbox"/> Natural 102
<input type="checkbox"/> M8 (8mm) 78	<input type="checkbox"/> 50mm 24	<input type="checkbox"/> 18mm 78		<input type="checkbox"/> Thread Locking 102
<input type="checkbox"/> M10 (10mm) 90	<input type="checkbox"/> 55mm 18	<input type="checkbox"/> 22.3mm 90		
	<input type="checkbox"/> 60mm 18			
	<input type="checkbox"/> 65mm 6			
	<input type="checkbox"/> 70mm 12			
	<input type="checkbox"/> 80mm 12			

Flanged Hexagon Bolts

Thread Size (T)	Length (L)	Flange Diameter (D)	Material	Finish
<input type="checkbox"/> M5 (5mm) 66	<input type="checkbox"/> 50mm 24	<input type="checkbox"/> 11.8mm 66	<input type="checkbox"/> Marine Stainless Steel (A4) 153	<input type="checkbox"/> Matte Black 102
<input type="checkbox"/> M6 (6mm) 72	<input type="checkbox"/> 55mm 18	<input type="checkbox"/> 14.2mm 72	<input type="checkbox"/> Stainless Steel (A2) 153	<input type="checkbox"/> Natural 102
<input type="checkbox"/> M8 (8mm) 78	<input type="checkbox"/> 60mm 18	<input type="checkbox"/> 18mm 78		<input type="checkbox"/> Thread Locking 102
<input type="checkbox"/> M10 (10mm) 90	<input type="checkbox"/> 65mm 6	<input type="checkbox"/> 22.3mm 90		
	<input type="checkbox"/> 70mm 12			
	<input type="checkbox"/> 80mm 12			
	<input type="checkbox"/> 90mm 6			
	<input type="checkbox"/> 100mm 6			

POZI PAN HEAD THREAD ROLLING SCREWS – STAINLESS STEEL (A2)



APPLICATIONS

Thread rolling screws are **designed for reliable and secure fastening into materials such as plastic**. They have a tri-lobular lobed cross-section, and form threads in pre-existing holes by pushing material outward during installation.

Pozi Pan Head Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Head Diameter (D)	Pozi Drive Size	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 4mm 2	<input type="checkbox"/> 5mm 12	<input type="checkbox"/> #1 26	<input type="checkbox"/> Matte Black 35
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> 6mm 14	<input type="checkbox"/> #2 30	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 8mm 16	<input type="checkbox"/> #3 14	
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> 10mm 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 12mm 14		
	<input type="checkbox"/> 12mm 10			
	<input type="checkbox"/> 16mm 8			
	<input type="checkbox"/> 20mm 8			

Pozi Pan Head Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Head Diameter (D)	Pozi Drive Size	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 5mm 12	<input type="checkbox"/> #1 26	<input type="checkbox"/> Matte Black 35
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> 6mm 14	<input type="checkbox"/> #2 30	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 8mm 16	<input type="checkbox"/> #3 14	
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> 10mm 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> 12mm 14		
	<input type="checkbox"/> 20mm 8			
	<input type="checkbox"/> 25mm 6			
	<input type="checkbox"/> 30mm 6			

POZI COUNTERSUNK THREAD ROLLING SCREWS – STAINLESS STEEL (A2)



APPLICATIONS

Screw threads have several applications: **Fastening: Fasteners such as wood screws, plastic screws, machine screws, nuts, and bolts. Connecting threaded pipes and hoses to each other and to caps and fixtures.**

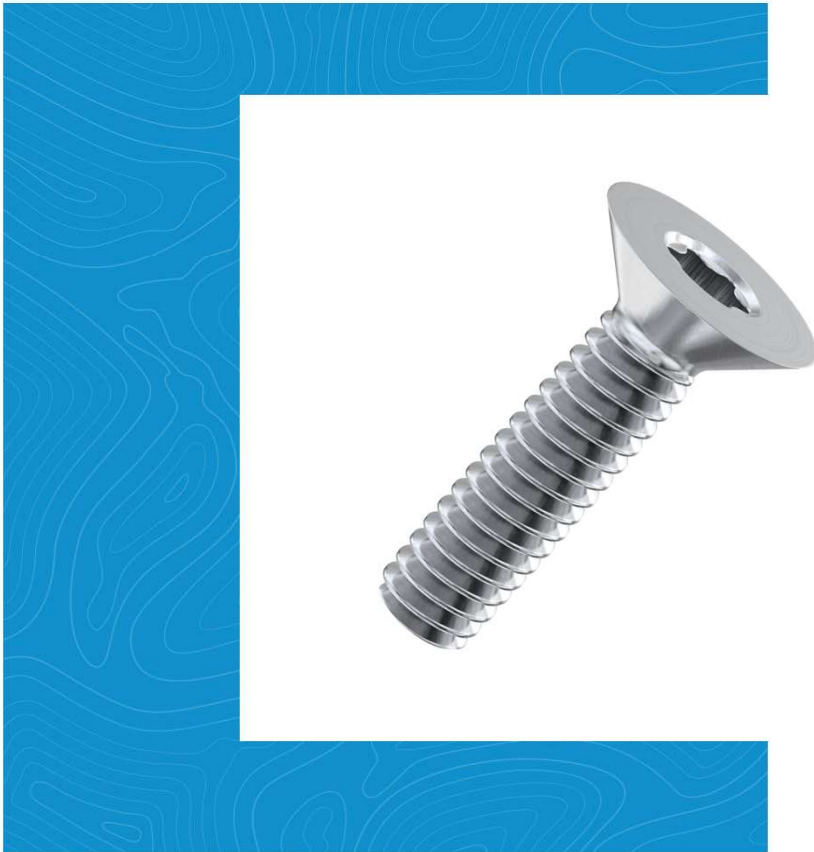
Pozi Countersunk Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Head Dia. (D)	Pozi Drive Size	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 4mm 2	<input type="checkbox"/> 4.7mm 12	<input type="checkbox"/> #1 26	<input type="checkbox"/> Matte Black 35
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> 5.6mm 14	<input type="checkbox"/> #2 30	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 7.5mm 16	<input type="checkbox"/> #3 14	
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> 9.2mm 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 11mm 14		
	<input type="checkbox"/> 12mm 10			
	<input type="checkbox"/> 16mm 8			
	<input type="checkbox"/> 20mm 8			

Pozi Countersunk Thread Rolling Screws - Stainless Steel (A2)

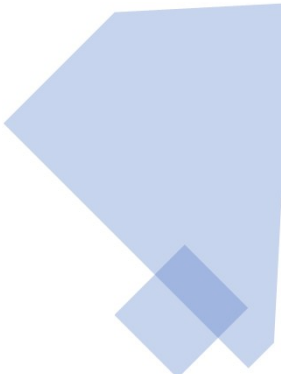
Thread Size (T)	Length (L)	Head Dia. (D)	Pozi Drive Size	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 4.7mm 12	<input type="checkbox"/> #1 26	<input type="checkbox"/> Matte Black 35
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> 5.6mm 14	<input type="checkbox"/> #2 30	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 7.5mm 16	<input type="checkbox"/> #3 14	
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> 9.2mm 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> 11mm 14		
	<input type="checkbox"/> 20mm 8			
	<input type="checkbox"/> 25mm 6			
	<input type="checkbox"/> 30mm 6			

TORX COUNTERSUNK THREAD ROLLING SCREWS



APPLICATIONS

Thread rolling screws are **designed for reliable and secure fastening into materials such as plastic.** They have a trilobular lobed cross-section, and form threads in pre-existing holes by pushing material outward during installation.



Torx Countersunk Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Torx Drive Size	Material	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12 ^	<input type="checkbox"/> 4mm 2 ^	<input type="checkbox"/> T8 12 ^	<input type="checkbox"/> Stainless Steel (A2) 70 ^	<input type="checkbox"/> Matte Black 35 ^
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 5mm 2	<input type="checkbox"/> T10 14		<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> T20 16		
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> T25 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> T30 14		
	<input type="checkbox"/> 12mm 10			
	<input type="checkbox"/> 16mm 8			
	<input type="checkbox"/> 20mm 8			

Torx Countersunk Thread Rolling Screws - Stainless Steel (A2)

Thread Size (T)	Length (L)	Torx Drive Size	Material	Finish
<input type="checkbox"/> M2.5 (2.5mm) 12 ^	<input type="checkbox"/> 6mm 6 ^	<input type="checkbox"/> T8 12 ^	<input type="checkbox"/> Stainless Steel (A2) 70 ^	<input type="checkbox"/> Matte Black 35 ^
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> T10 14		<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 16	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> T20 16		
<input type="checkbox"/> M5 (5mm) 14	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> T25 14		
<input type="checkbox"/> M6 (6mm) 14	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> T30 14		
	<input type="checkbox"/> 20mm 8			
	<input type="checkbox"/> 25mm 8			
	<input type="checkbox"/> 30mm 6			



METRIC PHILLIPS COUNTERSUNK SEALING SCREWS

APPLICATIONS

This **prevents contaminants such as air, water or micro particle materials from entering and degrading or corroding the product that they are fastened to.** They are a proven product that is used in many high grade military applications where conditions are strict and requirements are usually very specific.

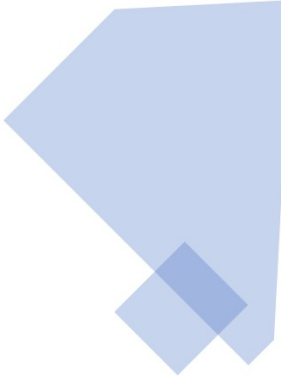


Metric Phillips Countersunk Sealing Screws

Thread Size	Thread Length (L)	O-Ring Material	Material	Finish
<input type="checkbox"/> M3 (3mm) 30	<input type="checkbox"/> 5mm 6	<input type="checkbox"/> Buna 48	<input type="checkbox"/> Stainless Steel (A2) 144	<input type="checkbox"/> Natural 72
<input type="checkbox"/> M4 (4mm) 30	<input type="checkbox"/> 6mm 12	<input type="checkbox"/> Fluorosilicone 48		<input type="checkbox"/> Thread Locking 72
<input type="checkbox"/> M5 (5mm) 30	<input type="checkbox"/> 8mm 18	<input type="checkbox"/> Viton 48		
<input type="checkbox"/> M6 (6mm) 30	<input type="checkbox"/> 10mm 18			
<input type="checkbox"/> M8 (8mm) 24	<input type="checkbox"/> 12mm 24			
	<input type="checkbox"/> 16mm 24			
	<input type="checkbox"/> 20mm 18			
	<input type="checkbox"/> 25mm 12			

Metric Phillips Countersunk Sealing Screws

Thread Size	Thread Length (L)	O-Ring Material	Material	Finish
<input type="checkbox"/> M3 (3mm) 30	<input type="checkbox"/> 6mm 12	<input type="checkbox"/> Buna 48	<input type="checkbox"/> Stainless Steel (A2) 144	<input type="checkbox"/> Natural 72
<input type="checkbox"/> M4 (4mm) 30	<input type="checkbox"/> 8mm 18	<input type="checkbox"/> Fluorosilicone 48		<input type="checkbox"/> Thread Locking 72
<input type="checkbox"/> M5 (5mm) 30	<input type="checkbox"/> 10mm 18	<input type="checkbox"/> Viton 48		
<input type="checkbox"/> M6 (6mm) 30	<input type="checkbox"/> 12mm 24			
<input type="checkbox"/> M8 (8mm) 24	<input type="checkbox"/> 16mm 24			
	<input type="checkbox"/> 20mm 18			
	<input type="checkbox"/> 25mm 12			
	<input type="checkbox"/> 30mm 12			



SECURITY 2 HOLE/SNAKE EYE PAN HEAD SCREWS



APPLICATIONS

These versatile security screws are ideal for a wide range of applications and are often used to secure glass panels and sign-age in place in both indoor and outdoor locations.

Security 2Hole / Snake Eye Pan Head Screws

Thread Size (T)	Thread Length (E)	Drive Size	Material	Finish
<input type="checkbox"/> M3 (3mm) 9	<input type="checkbox"/> 6mm 3	<input type="checkbox"/> TH3 9	<input type="checkbox"/> Stainless Steel (A2) 72	<input type="checkbox"/> Matte Black 24
<input type="checkbox"/> M4 (4mm) 18	<input type="checkbox"/> 8mm 3	<input type="checkbox"/> TH5 18		<input type="checkbox"/> Natural 24
<input type="checkbox"/> M5 (5mm) 18	<input type="checkbox"/> 10mm 6	<input type="checkbox"/> TH6 18		<input type="checkbox"/> Thread Locking 24
<input type="checkbox"/> M6 (6mm) 27	<input type="checkbox"/> 12mm 12	<input type="checkbox"/> TH8 27		
	<input type="checkbox"/> 16mm 12			
	<input type="checkbox"/> 20mm 9			
	<input type="checkbox"/> 25mm 9			
	<input type="checkbox"/> 30mm 6			

Security 2Hole / Snake Eye Pan Head Screws

Thread Size (T)	Thread Length (E)	Drive Size	Material	Finish
<input type="checkbox"/> M3 (3mm) 9	<input type="checkbox"/> 16mm 12	<input type="checkbox"/> TH3 9	<input type="checkbox"/> Stainless Steel (A2) 72	<input type="checkbox"/> Matte Black 24
<input type="checkbox"/> M4 (4mm) 18	<input type="checkbox"/> 20mm 9	<input type="checkbox"/> TH5 18		<input type="checkbox"/> Natural 24
<input type="checkbox"/> M5 (5mm) 18	<input type="checkbox"/> 25mm 9	<input type="checkbox"/> TH6 18		<input type="checkbox"/> Thread Locking 24
<input type="checkbox"/> M6 (6mm) 27	<input type="checkbox"/> 30mm 6	<input type="checkbox"/> TH8 27		
	<input type="checkbox"/> 35mm 3			
	<input type="checkbox"/> 40mm 3			
	<input type="checkbox"/> 45mm 3			
	<input type="checkbox"/> 50mm 3			

POZI COUNTERSUNK WOOD SCREWS



APPLICATIONS

Components within this range are commonly used for fastening two pieces of wood together. Pozi Countersunk Wood Screws are designed with a partially threaded shaft, which allows them to hold a panel (such as a floorboard) to a piece of structural timber. Wood Screws also have a coarse thread, specially designed for use in joinery and wooden assemblies.

Pozi Countersunk Wood Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> No.4 (3mm) 10	<input type="checkbox"/> 12mm 4	<input type="checkbox"/> 5.6mm 10	<input type="checkbox"/> Stainless Steel (A2) 124	<input type="checkbox"/> Matte Black 62
<input type="checkbox"/> No.6 (3.5mm) 16	<input type="checkbox"/> 16mm 6	<input type="checkbox"/> 6.5mm 16		<input type="checkbox"/> Natural 62
<input type="checkbox"/> No.8 (4mm) 20	<input type="checkbox"/> 20mm 10	<input type="checkbox"/> 7.5mm 20		
<input type="checkbox"/> No.9 (4.5mm) 20	<input type="checkbox"/> 25mm 12	<input type="checkbox"/> 8.3mm 20		
<input type="checkbox"/> No.10 (5mm) 28	<input type="checkbox"/> 30mm 12	<input type="checkbox"/> 9.2mm 28		
<input type="checkbox"/> No.14 (6mm) 30	<input type="checkbox"/> 35mm 10	<input type="checkbox"/> 11mm 30		
	<input type="checkbox"/> 40mm 10			
	<input type="checkbox"/> 45mm 8			



METRIC ULTRA LOW HEAD SOCKET SHOULDER SCREWS



APPLICATIONS

What are shoulder screws used for?

Much like all other screws, shoulder

screws are meant to **hold objects**

together and in a particular position.

However, these screws are designed for

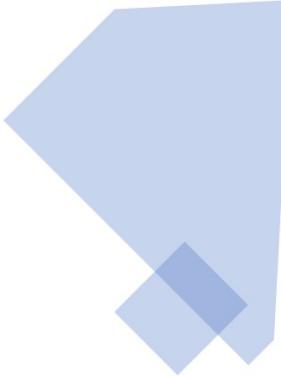
use in parts which requires a mounting

pin, joint, shaft, dowel, pivot, or sliding

motion.

Metric Ultra Low Head Socket Shoulder Screws

Thread Size (T)	Shoulder Diameter (d)	Shoulder Length (L)	Material	Finish
<input type="checkbox"/> M3 (3mm) 14	<input type="checkbox"/> 4mm 14	<input type="checkbox"/> 4mm 6	<input type="checkbox"/> Marine Stainless Steel (A4) 54	<input type="checkbox"/> Matte Black 27
<input type="checkbox"/> M4 (4mm) 23	<input type="checkbox"/> 5mm 23	<input type="checkbox"/> 5mm 9	<input type="checkbox"/> Thread Locking Marine Stainless Steel (A4) 24	<input type="checkbox"/> Natural 27
<input type="checkbox"/> M5 (5mm) 23	<input type="checkbox"/> 6mm 23	<input type="checkbox"/> 6mm 12		<input type="checkbox"/> Thread Locking 24
<input type="checkbox"/> M6 (6mm) 18	<input type="checkbox"/> 8mm 18	<input type="checkbox"/> 8mm 12		
		<input type="checkbox"/> 10mm 12		
		<input type="checkbox"/> 12mm 9		
		<input type="checkbox"/> 16mm 9		
		<input type="checkbox"/> 20mm 9		



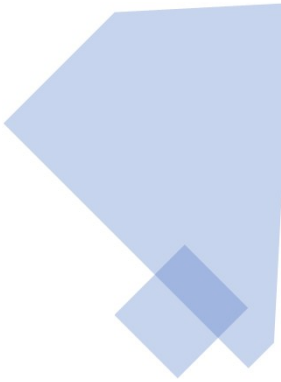
IMPERIAL TORX PAN HEAD SEALING SCREWS



APPLICATIONS

A variety of sealing screws, which are **designed to seal out contaminants and prevent leaks.**

Sealing fasteners are made of corrosion-resistant metals, such as stainless steel and steel alloys, titanium, or Brass and Monel. This means they can easily be cleaned and are impervious to alcohol and other disinfectants.



Imperial Torx Pan Head Screws

Thread Size (T)	Thread Length (L)	Torx Size	Material	Finish
<input type="checkbox"/> 1/4-20 15	<input type="checkbox"/> 1 inch 21	<input type="checkbox"/> T10 12	<input type="checkbox"/> Stainless Steel (A2) 108	<input type="checkbox"/> Matte Black 36
<input type="checkbox"/> 3/8-16 12	<input type="checkbox"/> 1.1/2 inch 12	<input type="checkbox"/> T15 15		<input type="checkbox"/> Natural 36
<input type="checkbox"/> 4-40 12	<input type="checkbox"/> 1.1/4 inch 15	<input type="checkbox"/> T20 15		<input type="checkbox"/> Thread Locking 36
<input type="checkbox"/> 5/16-18 9	<input type="checkbox"/> 1/2 inch 18	<input type="checkbox"/> T25 30		
<input type="checkbox"/> 6-32 15	<input type="checkbox"/> 1/4 inch 9	<input type="checkbox"/> T30 15		
<input type="checkbox"/> 8-32 15	<input type="checkbox"/> 3/4 inch 21	<input type="checkbox"/> T40 9		
<input type="checkbox"/> 10-24 15	<input type="checkbox"/> 3/8 inch 9	<input type="checkbox"/> T45 12		
<input type="checkbox"/> 10-32 15	<input type="checkbox"/> 5/16 inch 3			



CROSS-SLOTTED MUSHROOM HEAD SCREWS

APPLICATIONS

Mushroom Head Screws are wide headed, lower profile screws with a traditional slot drive. They are used for **bolting softer materials** and are usually manufactured with a full thread. These heads, which have a slight circular shape where the slots cross, **provide a larger mating surface between the screw and the screwdriver.**



Cross-Slotted Mushroom Head Screws

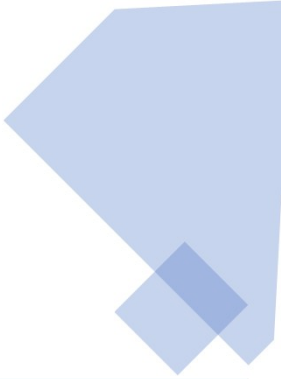
Thread Size (T)	Thread Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M4 (4mm) 66	<input type="checkbox"/> 8mm 12	<input type="checkbox"/> 10mm 66	<input type="checkbox"/> Marine Stainless Steel (A4) 204	<input type="checkbox"/> Matte Black 140
<input type="checkbox"/> M5 (5mm) 78	<input type="checkbox"/> 10mm 20	<input type="checkbox"/> 12.5mm 78	<input type="checkbox"/> Nylon 8	<input type="checkbox"/> Natural 140
<input type="checkbox"/> M6 (6mm) 90	<input type="checkbox"/> 12mm 24	<input type="checkbox"/> 15mm 90	<input type="checkbox"/> Stainless Steel (A2) 204	<input type="checkbox"/> Thread Locking 136
<input type="checkbox"/> M8 (8mm) 92	<input type="checkbox"/> 16mm 30	<input type="checkbox"/> 20mm 92		
<input type="checkbox"/> M10 (10mm) 90	<input type="checkbox"/> 20mm 32	<input type="checkbox"/> 25mm 90		
	<input type="checkbox"/> 25mm 32			
	<input type="checkbox"/> 30mm 32			
	<input type="checkbox"/> 35mm 30			

Cross-Slotted Mushroom Head Screws

Thread Size (T)	Thread Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M4 (4mm) 66	<input type="checkbox"/> 40mm 30	<input type="checkbox"/> 10mm 66	<input type="checkbox"/> Marine Stainless Steel (A4) 204	<input type="checkbox"/> Matte Black 140
<input type="checkbox"/> M5 (5mm) 78	<input type="checkbox"/> 45mm 30	<input type="checkbox"/> 12.5mm 78	<input type="checkbox"/> Nylon 8	<input type="checkbox"/> Natural 140
<input type="checkbox"/> M6 (6mm) 90	<input type="checkbox"/> 50mm 30	<input type="checkbox"/> 15mm 90	<input type="checkbox"/> Stainless Steel (A2) 204	<input type="checkbox"/> Thread Locking 136
<input type="checkbox"/> M8 (8mm) 92	<input type="checkbox"/> 55mm 24	<input type="checkbox"/> 20mm 92		
<input type="checkbox"/> M10 (10mm) 90	<input type="checkbox"/> 60mm 24	<input type="checkbox"/> 25mm 90		
	<input type="checkbox"/> 65mm 18			
	<input type="checkbox"/> 70mm 18			
	<input type="checkbox"/> 80mm 18			

Cross-Slotted Mushroom Head Screws

Thread Size (T)	Thread Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M4 (4mm) 66 ^	<input type="checkbox"/> 50mm 30 ^	<input type="checkbox"/> 10mm 66 ^	<input type="checkbox"/> Marine Stainless Steel (A4) 204 ^	<input type="checkbox"/> Matte Black 140
<input type="checkbox"/> M5 (5mm) 78	<input type="checkbox"/> 55mm 24	<input type="checkbox"/> 12.5mm 78	<input type="checkbox"/> Nylon 8	<input type="checkbox"/> Natural 140
<input type="checkbox"/> M6 (6mm) 90	<input type="checkbox"/> 60mm 24	<input type="checkbox"/> 15mm 90	<input type="checkbox"/> Stainless Steel (A2) 204	<input type="checkbox"/> Thread Locking 136
<input type="checkbox"/> M8 (8mm) 92	<input type="checkbox"/> 65mm 18	<input type="checkbox"/> 20mm 92		
<input type="checkbox"/> M10 (10mm) 90	<input type="checkbox"/> 70mm 18	<input type="checkbox"/> 25mm 90		
	<input type="checkbox"/> 80mm 18			
	<input type="checkbox"/> 90mm 6			
	<input type="checkbox"/> 100mm 6			



IMPERIAL SLOTTED MUSHROOM SCREWS



APPLICATIONS

Mushroom Head Screws are wide headed, lower profile screws with a traditional slot drive. They are used for **bolting softer materials** and are usually manufactured with a full thread. Their mushroom head is larger in diameter to create a larger bearing surface.

Features

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> 1/4-20 39 ▲	<input type="checkbox"/> 1 inch 24 ▲	<input type="checkbox"/> 0.15 inch 27 ▲	<input type="checkbox"/> Stainless Steel (A2) 276 ▲	<input type="checkbox"/> Matte Black 92 ▲
<input type="checkbox"/> 1/4-28 39	<input type="checkbox"/> 1.1/2 inch 21	<input type="checkbox"/> 0.128 inch 3		<input type="checkbox"/> Natural 92
<input type="checkbox"/> 3/8-16 33	<input type="checkbox"/> 1.1/4 inch 21	<input type="checkbox"/> 0.183 inch 18		<input type="checkbox"/> Thread Locking 92
<input type="checkbox"/> 5/16-18 33	<input type="checkbox"/> 1.3/4 inch 18	<input type="checkbox"/> 0.215 inch 21		
<input type="checkbox"/> 6-32 27	<input type="checkbox"/> 1/2 inch 24	<input type="checkbox"/> 0.321 inch 27		
<input type="checkbox"/> 8-32 33	<input type="checkbox"/> 1/4 inch 12	<input type="checkbox"/> 0.384 inch 33		
<input type="checkbox"/> 10-24 36	<input type="checkbox"/> 2 inch 18	<input type="checkbox"/> 0.448 inch 69		
<input type="checkbox"/> 10-32 36 ▼	<input type="checkbox"/> 2.1/2 inch 12 ▼	<input type="checkbox"/> 0.573 inch 51 ▼		

Features

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> 1/4-20 39 ▲	<input type="checkbox"/> 2.1/2 inch 12 ▲	<input type="checkbox"/> 0.183 inch 18 ▲	<input type="checkbox"/> Stainless Steel (A2) 276 ▲	<input type="checkbox"/> Matte Black 92 ▲
<input type="checkbox"/> 1/4-28 39	<input type="checkbox"/> 3 inch 12	<input type="checkbox"/> 0.215 inch 21		<input type="checkbox"/> Natural 92
<input type="checkbox"/> 3/8-16 33	<input type="checkbox"/> 3/4 inch 24	<input type="checkbox"/> 0.321 inch 27		<input type="checkbox"/> Thread Locking 92
<input type="checkbox"/> 5/16-18 33	<input type="checkbox"/> 3/8 inch 18	<input type="checkbox"/> 0.384 inch 33		
<input type="checkbox"/> 6-32 27	<input type="checkbox"/> 5/8 inch 24	<input type="checkbox"/> 0.448 inch 69		
<input type="checkbox"/> 8-32 33	<input type="checkbox"/> 5/16 inch 12	<input type="checkbox"/> 0.573 inch 51		
<input type="checkbox"/> 10-24 36	<input type="checkbox"/> 7/8 inch 24	<input type="checkbox"/> 0.698 inch 15		
<input type="checkbox"/> 10-32 36 ▼	<input type="checkbox"/> 7/16 inch 12 ▼	<input type="checkbox"/> 0.823 inch 12 ▼		



CAPSTAN SCREWS

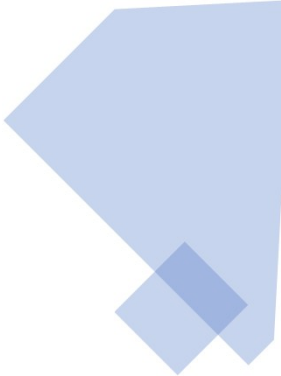


APPLICATIONS

Applications that the Slotted Capstan Screw can be found in include **meteorology, the science of measurement, or most often within musical instruments such as pianos,** due to their fine incremental adjustment capabilities

Capstan Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Finish	Screw Material
<input type="checkbox"/> M3 (3mm) 23	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 5.5mm 23	<input type="checkbox"/> Matte Black 30	<input type="checkbox"/> Stainless Steel (A1) 89
<input type="checkbox"/> M4 (4mm) 27	<input type="checkbox"/> 8mm 9	<input type="checkbox"/> 7mm 27	<input type="checkbox"/> Natural 30	
<input type="checkbox"/> M5 (5mm) 21	<input type="checkbox"/> 10mm 12	<input type="checkbox"/> 8.5mm 21	<input type="checkbox"/> Thread Locking 29	
<input type="checkbox"/> M6 (6mm) 18	<input type="checkbox"/> 12mm 12	<input type="checkbox"/> 10mm 18		
	<input type="checkbox"/> 16mm 12			
	<input type="checkbox"/> 20mm 12			
	<input type="checkbox"/> 25mm 9			
	<input type="checkbox"/> 30mm 9			



IMPERIAL TORX SHOULDER SCREWS



APPLICATIONS

What are shoulder screws used for? Much like all other screws, shoulder screws are meant **to hold objects together and in a particular position**. However, these screws are designed for use in parts which requires a mounting pin, joint, shaft, dowel, pivot, or sliding motion.

Imperial Torx Shoulder Screws

Thread Size (T)	Shoulder Diameter (d)	Shoulder Length (L)	Material	Finish
<input type="checkbox"/> 4-40 12	<input type="checkbox"/> 1/4 inch 18	<input type="checkbox"/> 1 inch 4	<input type="checkbox"/> Stainless Steel (A2) 48	<input type="checkbox"/> Matte Black 24
<input type="checkbox"/> 8-32 18	<input type="checkbox"/> 1/8 inch 12	<input type="checkbox"/> 1/2 inch 6		<input type="checkbox"/> Natural 24
<input type="checkbox"/> 10-32 18	<input type="checkbox"/> 3/16 inch 18	<input type="checkbox"/> 1/4 inch 6		
		<input type="checkbox"/> 1/8 inch 6		
		<input type="checkbox"/> 3/4 inch 4		
		<input type="checkbox"/> 3/8 inch 6		
		<input type="checkbox"/> 3/16 inch 6		
		<input type="checkbox"/> 5/8 inch 4		

Imperial Torx Shoulder Screws

Thread Size (T)	Shoulder Diameter (d)	Shoulder Length (L)	Material	Finish
<input type="checkbox"/> 4-40 12	<input type="checkbox"/> 1/4 inch 18	<input type="checkbox"/> 1/2 inch 6	<input type="checkbox"/> Stainless Steel (A2) 48	<input type="checkbox"/> Matte Black 24
<input type="checkbox"/> 8-32 18	<input type="checkbox"/> 1/8 inch 12	<input type="checkbox"/> 1/4 inch 6		<input type="checkbox"/> Natural 24
<input type="checkbox"/> 10-32 18	<input type="checkbox"/> 3/16 inch 18	<input type="checkbox"/> 1/8 inch 6		
		<input type="checkbox"/> 3/4 inch 4		
		<input type="checkbox"/> 3/8 inch 6		
		<input type="checkbox"/> 3/16 inch 6		
		<input type="checkbox"/> 5/8 inch 4		
		<input type="checkbox"/> 5/16 inch 6		

FILLISTER SCREWS



APPLICATIONS

Slotted Fillister head machine screws have a large over sized head and are used **to attach metal to metal or metal to wood**. A Fillister head machine screw, sometimes called a cheese head screw, is like a Pan head machine screw but with greater side height.

Fillister Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> 0-80 36	<input type="checkbox"/> 1 inch 60	<input type="checkbox"/> 0.14 inch 62	<input type="checkbox"/> Stainless Steel (A2) 805	<input type="checkbox"/> Matte Black 277
<input type="checkbox"/> 1-64 31	<input type="checkbox"/> 1.1/2 inch 39	<input type="checkbox"/> 0.27 inch 46		<input type="checkbox"/> Natural 277
<input type="checkbox"/> 1-72 31	<input type="checkbox"/> 1.1/4 inch 39	<input type="checkbox"/> 0.096 inch 36		<input type="checkbox"/> Thread Locking 251
<input type="checkbox"/> 1/4-20 45	<input type="checkbox"/> 1.1/8 inch 4	<input type="checkbox"/> 0.118 inch 62		
<input type="checkbox"/> 1/4-28 45	<input type="checkbox"/> 1.3/4 inch 30	<input type="checkbox"/> 0.161 inch 68		
<input type="checkbox"/> 2-56 31	<input type="checkbox"/> 1/2 inch 60	<input type="checkbox"/> 0.183 inch 74		
<input type="checkbox"/> 2-64 31	<input type="checkbox"/> 1/4 inch 45	<input type="checkbox"/> 0.205 inch 38		
<input type="checkbox"/> 3-48 37	<input type="checkbox"/> 1/8 inch 18	<input type="checkbox"/> 0.226 inch 88		

Fillister Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> 3-56 31	<input type="checkbox"/> 2 inch 30	<input type="checkbox"/> 0.183 inch 74	<input type="checkbox"/> Stainless Steel (A2) 805	<input type="checkbox"/> Matte Black 277
<input type="checkbox"/> 3/8-16 45	<input type="checkbox"/> 2.1/2 inch 21	<input type="checkbox"/> 0.205 inch 38		<input type="checkbox"/> Natural 277
<input type="checkbox"/> 4-40 40	<input type="checkbox"/> 2.1/4 inch 6	<input type="checkbox"/> 0.226 inch 88		<input type="checkbox"/> Thread Locking 251
<input type="checkbox"/> 4-48 34	<input type="checkbox"/> 2.3/4 inch 6	<input type="checkbox"/> 0.313 inch 106		
<input type="checkbox"/> 5-40 38	<input type="checkbox"/> 3 inch 21	<input type="checkbox"/> 0.357 inch 42		
<input type="checkbox"/> 5/16-18 48	<input type="checkbox"/> 3.1/2 inch 12	<input type="checkbox"/> 0.414 inch 90		
<input type="checkbox"/> 6-32 46	<input type="checkbox"/> 3/4 inch 60	<input type="checkbox"/> 0.518 inch 48		
<input type="checkbox"/> 6-40 42	<input type="checkbox"/> 3/8 inch 57	<input type="checkbox"/> 0.622 inch 36		

Fillister Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> 5-40 38	<input type="checkbox"/> 3/16 inch 28	<input type="checkbox"/> 0.183 inch 74	<input type="checkbox"/> Stainless Steel (A2) 805	<input type="checkbox"/> Matte Black 277
<input type="checkbox"/> 5/16-18 48	<input type="checkbox"/> 4 inch 12	<input type="checkbox"/> 0.205 inch 38		<input type="checkbox"/> Natural 277
<input type="checkbox"/> 6-32 46	<input type="checkbox"/> 4.1/2 inch 3	<input type="checkbox"/> 0.226 inch 88		<input type="checkbox"/> Thread Locking 251
<input type="checkbox"/> 6-40 42	<input type="checkbox"/> 5 inch 6	<input type="checkbox"/> 0.313 inch 106		
<input type="checkbox"/> 8-32 46	<input type="checkbox"/> 5/8 inch 60	<input type="checkbox"/> 0.357 inch 42		
<input type="checkbox"/> 10-24 53	<input type="checkbox"/> 5/16 inch 54	<input type="checkbox"/> 0.414 inch 90		
<input type="checkbox"/> 10-32 53	<input type="checkbox"/> 5/32 inch 2	<input type="checkbox"/> 0.518 inch 48		
<input type="checkbox"/> 12-24 42	<input type="checkbox"/> 6 inch 3	<input type="checkbox"/> 0.622 inch 36		

Fillister Screws

Thread Size (T)	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> 5-40 38	<input type="checkbox"/> 5 inch 6	<input type="checkbox"/> 0.183 inch 74	<input type="checkbox"/> Stainless Steel (A2) 805	<input type="checkbox"/> Matte Black 277
<input type="checkbox"/> 5/16-18 48	<input type="checkbox"/> 5/8 inch 60	<input type="checkbox"/> 0.205 inch 38		<input type="checkbox"/> Natural 277
<input type="checkbox"/> 6-32 46	<input type="checkbox"/> 5/16 inch 54	<input type="checkbox"/> 0.226 inch 88		<input type="checkbox"/> Thread Locking 251
<input type="checkbox"/> 6-40 42	<input type="checkbox"/> 5/32 inch 2	<input type="checkbox"/> 0.313 inch 106		
<input type="checkbox"/> 8-32 46	<input type="checkbox"/> 6 inch 3	<input type="checkbox"/> 0.357 inch 42		
<input type="checkbox"/> 10-24 53	<input type="checkbox"/> 7/8 inch 60	<input type="checkbox"/> 0.414 inch 90		
<input type="checkbox"/> 10-32 53	<input type="checkbox"/> 7/16 inch 48	<input type="checkbox"/> 0.518 inch 48		
<input type="checkbox"/> 12-24 42	<input type="checkbox"/> 9/16 inch 21	<input type="checkbox"/> 0.622 inch 36		

WING SCREWS



APPLICATIONS

The wing nut should be used **in a setting where the fastener that is to be used needs to be opened and fastened with ease and in a frequent manner.** A good example of this is when you need to fasten a lid on a particular type of machinery, but in such a manner that you will still have easy access to it when you need to.

Wing Screws

Thread Size (T)	Thread Length (E)	Wing Width (W)	Material	Finish
<input type="checkbox"/> M3 (3mm) 24	<input type="checkbox"/> 10mm 18	<input type="checkbox"/> 17.6mm 56	<input type="checkbox"/> Marine Stainless Steel (A4) 126	<input type="checkbox"/> Matte Black 128
<input type="checkbox"/> M4 (4mm) 32	<input type="checkbox"/> 12mm 18	<input type="checkbox"/> 22.5mm 40	<input type="checkbox"/> Stainless Steel (A2) 130	<input type="checkbox"/> Natural 128
<input type="checkbox"/> M5 (5mm) 40	<input type="checkbox"/> 16mm 24	<input type="checkbox"/> 27.8mm 40		
<input type="checkbox"/> M6 (6mm) 40	<input type="checkbox"/> 20mm 28	<input type="checkbox"/> 30.3mm 44		
<input type="checkbox"/> M8 (8mm) 44	<input type="checkbox"/> 25mm 28	<input type="checkbox"/> 36.2mm 40		
<input type="checkbox"/> M10 (10mm) 40	<input type="checkbox"/> 30mm 28	<input type="checkbox"/> 62mm 36		
<input type="checkbox"/> M12 (12mm) 36	<input type="checkbox"/> 35mm 24			
	<input type="checkbox"/> 40mm 24			

Wing Screws

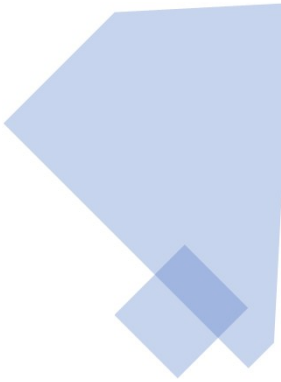
Thread Size (T)	Thread Length (E)	Wing Width (W)	Material	Finish
<input type="checkbox"/> M3 (3mm) 24	<input type="checkbox"/> 25mm 28	<input type="checkbox"/> 17.6mm 56	<input type="checkbox"/> Marine Stainless Steel (A4) 126	<input type="checkbox"/> Matte Black 128
<input type="checkbox"/> M4 (4mm) 32	<input type="checkbox"/> 30mm 28	<input type="checkbox"/> 22.5mm 40	<input type="checkbox"/> Stainless Steel (A2) 130	<input type="checkbox"/> Natural 128
<input type="checkbox"/> M5 (5mm) 40	<input type="checkbox"/> 35mm 24	<input type="checkbox"/> 27.8mm 40		
<input type="checkbox"/> M6 (6mm) 40	<input type="checkbox"/> 40mm 24	<input type="checkbox"/> 30.3mm 44		
<input type="checkbox"/> M8 (8mm) 44	<input type="checkbox"/> 45mm 20	<input type="checkbox"/> 36.2mm 40		
<input type="checkbox"/> M10 (10mm) 40	<input type="checkbox"/> 50mm 20	<input type="checkbox"/> 62mm 36		
<input type="checkbox"/> M12 (12mm) 36	<input type="checkbox"/> 55mm 12			
	<input type="checkbox"/> 60mm 12			

STRAIGHT WING NUTS



APPLICATIONS

Wing nuts work like most other nuts: They are designed **to hold two or more objects together when used in conjunction with a bolt**. You can twist a wing nut onto the end of a bolt to prevent the connected objects from pulling away.



Straight Wing Nuts

Thread Size	Nut Length (d1)	Base Diameter (d3)	Wing Width	Material
<input type="checkbox"/> M6 (6mm) 2	<input type="checkbox"/> 46mm 4	<input type="checkbox"/> 13mm 4	<input type="checkbox"/> 6mm 4	<input type="checkbox"/> Stainless Steel 8
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 58mm 4	<input type="checkbox"/> 16mm 4	<input type="checkbox"/> 7mm 4	
<input type="checkbox"/> M10 (10mm) 2				



METRIC HEXAGON SEALING BOLTS



APPLICATIONS

Self-sealing bolts offer a reliable and reusable seal, preventing (or containing!) contamination from dust, air, water, lubricants and other liquid or gaseous substances. They are suitable for any kind of environment and industry as required. They are occasionally used when continuous vibration might normally cause problems.

Metric Hexagon Sealing Bolts

Thread Size	Thread Length (L)	O-Ring Material	Material	Finish
<input type="checkbox"/> M4 (4mm) 42	<input type="checkbox"/> 6mm 12	<input type="checkbox"/> Buna 84	<input type="checkbox"/> Stainless Steel (A2) 252	<input type="checkbox"/> Natural 126
<input type="checkbox"/> M5 (5mm) 60	<input type="checkbox"/> 8mm 18	<input type="checkbox"/> Fluorosilicone 84		<input type="checkbox"/> Thread Locking 126
<input type="checkbox"/> M6 (6mm) 48	<input type="checkbox"/> 10mm 24	<input type="checkbox"/> Viton 84		
<input type="checkbox"/> M8 (8mm) 48	<input type="checkbox"/> 12mm 30			
<input type="checkbox"/> M10 (10mm) 24	<input type="checkbox"/> 14mm 18			
<input type="checkbox"/> M12 (12mm) 18	<input type="checkbox"/> 16mm 36			
<input type="checkbox"/> M14 (14mm) 12	<input type="checkbox"/> 18mm 24			
	<input type="checkbox"/> 20mm 36			

Metric Hexagon Sealing Bolts

Thread Size	Thread Length (L)	O-Ring Material	Material	Finish
<input type="checkbox"/> M4 (4mm) 42	<input type="checkbox"/> 10mm 24	<input type="checkbox"/> Buna 84	<input type="checkbox"/> Stainless Steel (A2) 252	<input type="checkbox"/> Natural 126
<input type="checkbox"/> M5 (5mm) 60	<input type="checkbox"/> 12mm 30	<input type="checkbox"/> Fluorosilicone 84		<input type="checkbox"/> Thread Locking 126
<input type="checkbox"/> M6 (6mm) 48	<input type="checkbox"/> 14mm 18	<input type="checkbox"/> Viton 84		
<input type="checkbox"/> M8 (8mm) 48	<input type="checkbox"/> 16mm 36			
<input type="checkbox"/> M10 (10mm) 24	<input type="checkbox"/> 18mm 24			
<input type="checkbox"/> M12 (12mm) 18	<input type="checkbox"/> 20mm 36			
<input type="checkbox"/> M14 (14mm) 12	<input type="checkbox"/> 22mm 18			
	<input type="checkbox"/> 25mm 36			

METRIC SLOTTED HEAD PART THREADED SET/GRUB SCREWS



APPLICATIONS

Well, the grub screw is generally used **to secure an item against another item, without the use of a nut**. This is important, because the ability to secure without a nut makes the grub screw very versatile and means that a grub screw can be used in applications that require a very small and unobtrusive fixing.

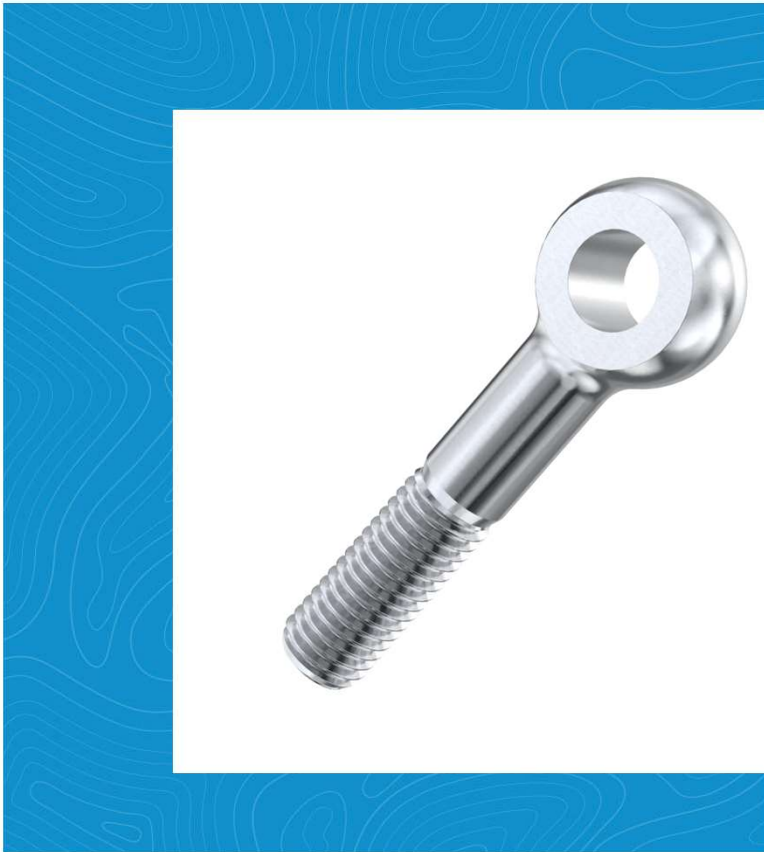
Metric Slotted Head Part Threaded Set / Grub Screws

Thread Size (T)	Length (L)	Pitch	Screw Material	Finish
<input type="checkbox"/> M2 (2mm) 4	<input type="checkbox"/> 6mm 8	<input type="checkbox"/> 0.4mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 138	<input type="checkbox"/> Matte Black 97
<input type="checkbox"/> M3 (3mm) 36	<input type="checkbox"/> 8mm 20	<input type="checkbox"/> 0.5mm 36	<input type="checkbox"/> Stainless Steel (A1) 151	<input type="checkbox"/> Natural 97
<input type="checkbox"/> M4 (4mm) 54	<input type="checkbox"/> 10mm 21	<input type="checkbox"/> 0.7mm 54		<input type="checkbox"/> Thread Locking 95
<input type="checkbox"/> M5 (5mm) 57	<input type="checkbox"/> 12mm 24	<input type="checkbox"/> 0.8mm 57		
<input type="checkbox"/> M6 (6mm) 45	<input type="checkbox"/> 16mm 30	<input type="checkbox"/> 1mm 45		
<input type="checkbox"/> M8 (8mm) 51	<input type="checkbox"/> 18mm 6	<input type="checkbox"/> 1.25mm 51		
<input type="checkbox"/> M10 (10mm) 42	<input type="checkbox"/> 20mm 36	<input type="checkbox"/> 1.5mm 42		
	<input type="checkbox"/> 25mm 30			

Metric Slotted Head Part Threaded Set / Grub Screws

Thread Size (T)	Length (L)	Pitch	Screw Material	Finish
<input type="checkbox"/> M2 (2mm) 4	<input type="checkbox"/> 18mm 6	<input type="checkbox"/> 0.4mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 138	<input type="checkbox"/> Matte Black 97
<input type="checkbox"/> M3 (3mm) 36	<input type="checkbox"/> 20mm 36	<input type="checkbox"/> 0.5mm 36	<input type="checkbox"/> Stainless Steel (A1) 151	<input type="checkbox"/> Natural 97
<input type="checkbox"/> M4 (4mm) 54	<input type="checkbox"/> 25mm 30	<input type="checkbox"/> 0.7mm 54		<input type="checkbox"/> Thread Locking 95
<input type="checkbox"/> M5 (5mm) 57	<input type="checkbox"/> 30mm 30	<input type="checkbox"/> 0.8mm 57		
<input type="checkbox"/> M6 (6mm) 45	<input type="checkbox"/> 35mm 30	<input type="checkbox"/> 1mm 45		
<input type="checkbox"/> M8 (8mm) 51	<input type="checkbox"/> 40mm 30	<input type="checkbox"/> 1.25mm 51		
<input type="checkbox"/> M10 (10mm) 42	<input type="checkbox"/> 45mm 12	<input type="checkbox"/> 1.5mm 42		
	<input type="checkbox"/> 50mm 12			

EYE BOLTS



APPLICATIONS

Eye bolts can be used as a connection point for **rigging, anchoring, pulling, pushing, or hoisting applications.**

Although eye bolts are commonly used in industrial applications.

Eye Bolts

Thread Size	Length (L)	External Eye Diameter (D)	Material	Finish
<input type="checkbox"/> M6 (6mm) 32	<input type="checkbox"/> 30mm 8	<input type="checkbox"/> 14mm - 13.57mm 32	<input type="checkbox"/> Marine Stainless Steel (A4) 156	<input type="checkbox"/> Matte Black 156
<input type="checkbox"/> M8 (8mm) 52	<input type="checkbox"/> 35mm 8	<input type="checkbox"/> 18mm - 17.57mm 52	<input type="checkbox"/> Stainless Steel (A2) 156	<input type="checkbox"/> Natural 156
<input type="checkbox"/> M10 (10mm) 52	<input type="checkbox"/> 40mm 12	<input type="checkbox"/> 20mm - 19.48mm 52		
<input type="checkbox"/> M12 (12mm) 56	<input type="checkbox"/> 45mm 12	<input type="checkbox"/> 25mm - 24.48mm 56		
<input type="checkbox"/> M16 (16mm) 48	<input type="checkbox"/> 50mm 16	<input type="checkbox"/> 32mm - 31.38mm 48		
<input type="checkbox"/> M20 (20mm) 40	<input type="checkbox"/> 55mm 16	<input type="checkbox"/> 40mm - 39.38mm 40		
<input type="checkbox"/> M24 (24mm) 32	<input type="checkbox"/> 60mm 20	<input type="checkbox"/> 45mm - 44.38mm 32		
	<input type="checkbox"/> 65mm 16			

Eye Bolts

Thread Size	Length (L)	External Eye Diameter (D)	Material	Finish
<input type="checkbox"/> M6 (6mm) 32	<input type="checkbox"/> 65mm 16	<input type="checkbox"/> 14mm - 13.57mm 32	<input type="checkbox"/> Marine Stainless Steel (A4) 156	<input type="checkbox"/> Matte Black 156
<input type="checkbox"/> M8 (8mm) 52	<input type="checkbox"/> 70mm 24	<input type="checkbox"/> 18mm - 17.57mm 52	<input type="checkbox"/> Stainless Steel (A2) 156	<input type="checkbox"/> Natural 156
<input type="checkbox"/> M10 (10mm) 52	<input type="checkbox"/> 75mm 20	<input type="checkbox"/> 20mm - 19.48mm 52		
<input type="checkbox"/> M12 (12mm) 56	<input type="checkbox"/> 80mm 24	<input type="checkbox"/> 25mm - 24.48mm 56		
<input type="checkbox"/> M16 (16mm) 48	<input type="checkbox"/> 90mm 24	<input type="checkbox"/> 32mm - 31.38mm 48		
<input type="checkbox"/> M20 (20mm) 40	<input type="checkbox"/> 100mm 24	<input type="checkbox"/> 40mm - 39.38mm 40		
<input type="checkbox"/> M24 (24mm) 32	<input type="checkbox"/> 110mm 20	<input type="checkbox"/> 45mm - 44.38mm 32		
	<input type="checkbox"/> 120mm 20			

Eye Bolts

Thread Size	Length (L)	External Eye Diameter (D)	Material	Finish
<input type="checkbox"/> M6 (6mm) 32	<input type="checkbox"/> 80mm 24	<input type="checkbox"/> 14mm - 13.57mm 32	<input type="checkbox"/> Marine Stainless Steel (A4) 156	<input type="checkbox"/> Matte Black 156
<input type="checkbox"/> M8 (8mm) 52	<input type="checkbox"/> 90mm 24	<input type="checkbox"/> 18mm - 17.57mm 52	<input type="checkbox"/> Stainless Steel (A2) 156	<input type="checkbox"/> Natural 156
<input type="checkbox"/> M10 (10mm) 52	<input type="checkbox"/> 100mm 24	<input type="checkbox"/> 20mm - 19.48mm 52		
<input type="checkbox"/> M12 (12mm) 56	<input type="checkbox"/> 110mm 20	<input type="checkbox"/> 25mm - 24.48mm 56		
<input type="checkbox"/> M16 (16mm) 48	<input type="checkbox"/> 120mm 20	<input type="checkbox"/> 32mm - 31.38mm 48		
<input type="checkbox"/> M20 (20mm) 40	<input type="checkbox"/> 130mm 16	<input type="checkbox"/> 40mm - 39.38mm 40		
<input type="checkbox"/> M24 (24mm) 32	<input type="checkbox"/> 140mm 16	<input type="checkbox"/> 45mm - 44.38mm 32		
	<input type="checkbox"/> 150mm 16			

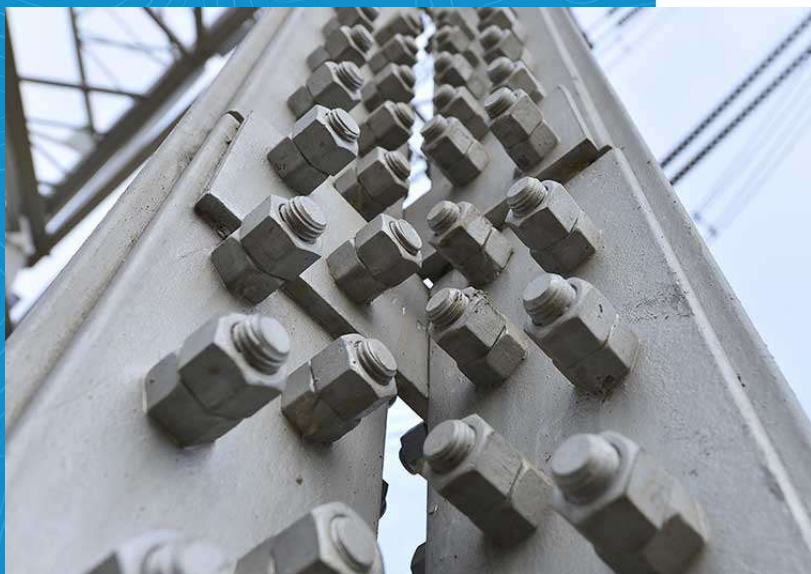
NUTS



APPLICATIONS

A nut is a mechanical fastener with a threaded hole. It is attached to a bolt, screw or stud to **provide a clamping force and prevent axial movement**. For example, a bolt is inserted through two parts, with aligned holes, and a nut is then screwed onto the bolt. Applications include **industrial valves used in petrochemical, oil and gas industries, water and sewage, and for the connection of pipes and flanges, etc.**

NUTS IN CATALOUGE



- 109. BUMAX (FLANGED) LOCKING NUTS
- 111. CAGE NUTS
- 113. STEEL/BRONZE CYLINDRICAL TRAPEZOIDAL LEADSCREW NUTS
- 115. METRIC CYLINDRICAL CONNECTOR NUTS
- 117. SOCKET COUNTERSUNK BARREL NUTS
- 119. HEXAGON NYLON LOCKING NUTS
- 121. THIN CASTLE NUTS
- 123. CASTLE NUTS
- 125. HEXAGONAL TRAPEZOIDAL LEADSCREW NUTS
- 127. METAL LOCKING NUTS
- 129. STEEL CYLINDRICAL TRAPEZOIDAL LEADSCREW NUTS
- 131. CAP NUTS
- 133. METRIC HEXAGONAL STUD CONNECTOR NUTS
- 135. SLOTTED ROUND NUTS
- 137. PIPE NUTS
- 139. SHEAR NUTS
- 141. TEE NUTS
- 143. METRIC DOME NUTS
- 145. FLANGED TRAPEZOIDAL LEADSCREW NUTS

BUMAX (FLANGED) LOCKING NUTS



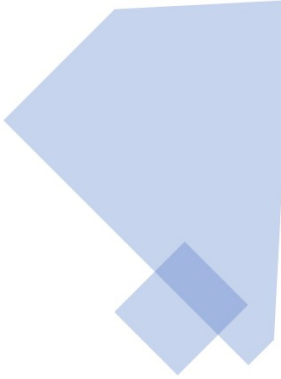
APPLICATIONS

This specially designed base acts as an integrated, non-spinning washer. Flange nuts speed up assembly and find use in applications where their large bearing surface covers oversized holes or slots.

Some typical applications include **automotive assembly**

Bumax Flanged Locking Nuts

Thread Size	Hexagon Width A/F (max) (J)	Nut Thickness (T)	Material	Finish
<input type="checkbox"/> M6 (6mm) 1	<input type="checkbox"/> 10mm 1	<input type="checkbox"/> 6mm 1	<input type="checkbox"/> Bumax 88 4	<input type="checkbox"/> Natural 4
<input type="checkbox"/> M8 (8mm) 1	<input type="checkbox"/> 13mm 1	<input type="checkbox"/> 8mm 1		
<input type="checkbox"/> M10 (10mm) 1	<input type="checkbox"/> 15mm 1	<input type="checkbox"/> 10mm 1		
<input type="checkbox"/> M12 (12mm) 1	<input type="checkbox"/> 18mm 1	<input type="checkbox"/> 12mm 1		

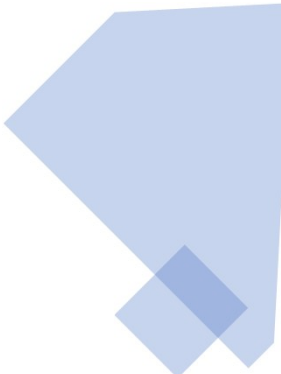


CAGE NUTS



APPLICATIONS

Cage Nuts (also called Clip Nuts) are widely used in rack mounting and computer construction. The cage of this type of nut is generally clipped to a square hole in sheet metal, or to a metal mesh, creating a light-duty fixture which is versatile, easily installed, and easily replaced if damaged. Cage Nuts are particularly useful with housings which are too thin or soft to create a suitably threaded bore.



Cage Nuts

Thread Size (D)	Length (CL)	Width (W)	Material	Finish
<input type="checkbox"/> M6 (6mm) 2	<input type="checkbox"/> 9.3mm 2	<input type="checkbox"/> 12mm 2	<input type="checkbox"/> Stainless Steel (A2) 6	<input type="checkbox"/> Matte Black 3
<input type="checkbox"/> M8 (8mm) 2	<input type="checkbox"/> 12mm 4	<input type="checkbox"/> 15.5mm 4		<input type="checkbox"/> Natural 3
<input type="checkbox"/> M10 (10mm) 2				



STEEL/BRONZE CYLINDRICAL TRAPEZOIDAL LEADSCREW NUTS

APPLICATIONS

A lead screw is sometimes referred to as a “power screw” or a “translation screw”. They are used within motion control devices **to transform rotary or turning movements into linear movements.** The Screw Nut is **a sliding feed nut compatible with the standards for a 30-degree trapezoidal screw thread.**



Steel Cylindrical Trapezoidal Leadscrew Nuts

Lead screw diameter (D)	Lead (L)	Number of starts	Nut diameter (OD)	Screw hand
<input type="checkbox"/> 10mm 4	<input type="checkbox"/> 2mm 2	<input type="checkbox"/> 1 26	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> Left 13
<input type="checkbox"/> 12mm 3	<input type="checkbox"/> 3mm 6	<input type="checkbox"/> 2 1	<input type="checkbox"/> 26mm 3	<input type="checkbox"/> Right 14
<input type="checkbox"/> 14mm 4	<input type="checkbox"/> 4mm 8		<input type="checkbox"/> 30mm 4	
<input type="checkbox"/> 16mm 2	<input type="checkbox"/> 5mm 8		<input type="checkbox"/> 36mm 2	
<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 6mm 3		<input type="checkbox"/> 40mm 2	
<input type="checkbox"/> 20mm 2			<input type="checkbox"/> 45mm 4	
<input type="checkbox"/> 22mm 2			<input type="checkbox"/> 50mm 4	
<input type="checkbox"/> 24mm 2			<input type="checkbox"/> 60mm 4	

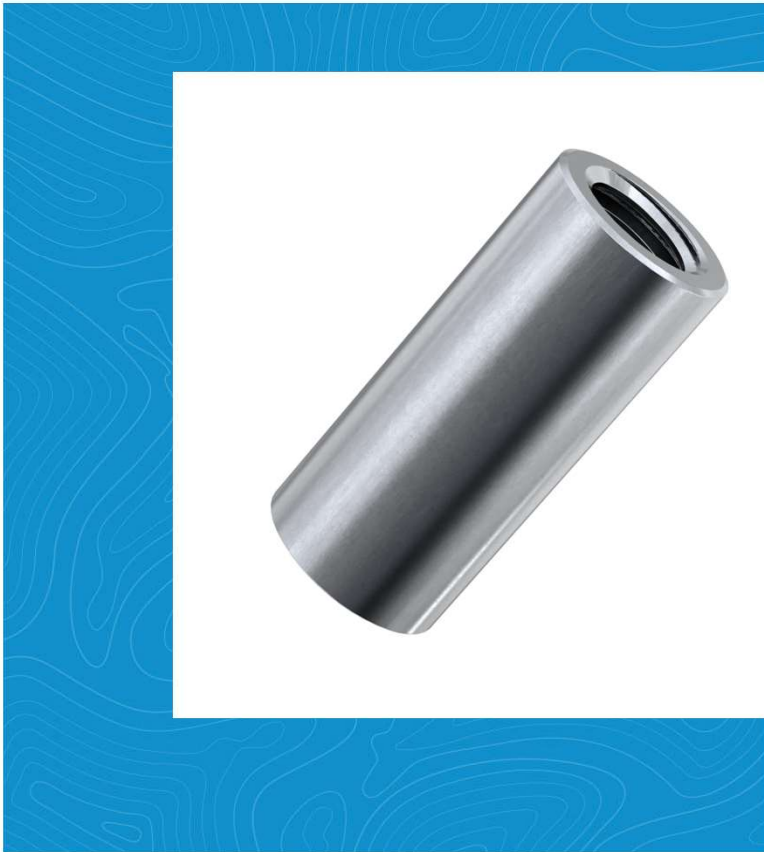
Steel Cylindrical Trapezoidal Leadscrew Nuts

Lead screw diameter (D)	Lead (L)	Number of starts	Nut diameter (OD)	Screw hand
<input type="checkbox"/> 16mm 2	<input type="checkbox"/> 2mm 2	<input type="checkbox"/> 1 26	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> Left 13
<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 3mm 6	<input type="checkbox"/> 2 1	<input type="checkbox"/> 26mm 3	<input type="checkbox"/> Right 14
<input type="checkbox"/> 20mm 2	<input type="checkbox"/> 4mm 8		<input type="checkbox"/> 30mm 4	
<input type="checkbox"/> 22mm 2	<input type="checkbox"/> 5mm 8		<input type="checkbox"/> 36mm 2	
<input type="checkbox"/> 24mm 2	<input type="checkbox"/> 6mm 3		<input type="checkbox"/> 40mm 2	
<input type="checkbox"/> 26mm 2			<input type="checkbox"/> 45mm 4	
<input type="checkbox"/> 28mm 2			<input type="checkbox"/> 50mm 4	
<input type="checkbox"/> 30mm 2			<input type="checkbox"/> 60mm 4	

Bronze Cylindrical Trapezoidal Leadscrew Nuts

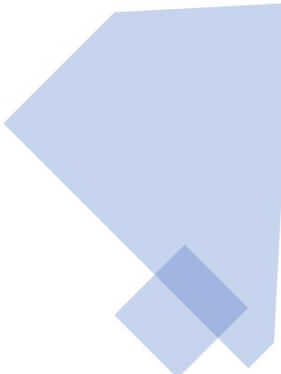
Lead screw diameter	Lead	Number of starts	Nut diameter (OD)	Screw hand
<input type="checkbox"/> 10mm 4	<input type="checkbox"/> 2mm 2	<input type="checkbox"/> 1 26	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> Left 13
<input type="checkbox"/> 12mm 3	<input type="checkbox"/> 3mm 6	<input type="checkbox"/> 2 1	<input type="checkbox"/> 26mm 3	<input type="checkbox"/> Right 14
<input type="checkbox"/> 14mm 4	<input type="checkbox"/> 4mm 8		<input type="checkbox"/> 30mm 4	
<input type="checkbox"/> 16mm 2	<input type="checkbox"/> 5mm 8		<input type="checkbox"/> 36mm 2	
<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 6mm 3		<input type="checkbox"/> 40mm 2	
<input type="checkbox"/> 20mm 2			<input type="checkbox"/> 45mm 4	
<input type="checkbox"/> 22mm 2			<input type="checkbox"/> 50mm 4	
<input type="checkbox"/> 24mm 2			<input type="checkbox"/> 60mm 4	

METRIC CYLINDRICAL CONNECTOR NUTS



APPLICATIONS

Metric Cylindrical Connector Nuts are a specialised component, commonly used on circuit boards, and are **designed to connect or space two parallel Screws or Threaded Bars.**



Metric Cylindrical Connector Nuts

Thread Size	Length (L)	Diameter (D)	Material	Finish
<input type="checkbox"/> M6 (6mm) 12	<input type="checkbox"/> 20mm 12	<input type="checkbox"/> 10mm 12	<input type="checkbox"/> Marine Stainless Steel (A4) 38	<input type="checkbox"/> Matte Black 38
<input type="checkbox"/> M8 (8mm) 24	<input type="checkbox"/> 25mm 12	<input type="checkbox"/> 11mm 24	<input type="checkbox"/> Stainless Steel (A2) 38	<input type="checkbox"/> Natural 38
<input type="checkbox"/> M10 (10mm) 16	<input type="checkbox"/> 30mm 16	<input type="checkbox"/> 13mm 16		
<input type="checkbox"/> M12 (12mm) 12	<input type="checkbox"/> 35mm 4	<input type="checkbox"/> 15mm 12		
<input type="checkbox"/> M16 (16mm) 8	<input type="checkbox"/> 40mm 16	<input type="checkbox"/> 25mm 8		
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 50mm 16	<input type="checkbox"/> 28mm 4		



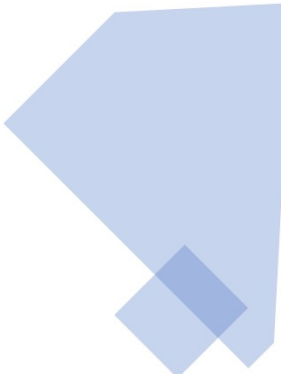
SOCKET COUNTERSUNK

BARREL NUTS



APPLICATIONS

Countersunk socket head barrel nuts in 300 series stainless steel feature the same head diameter as their **mating countersunk hex socket screws**. Most used in architectural joinery features with glass, steel and timber materials using a channel design in overhead or vertical panels. 302 grade stainless steel.



Socket Countersunk Barrel Nuts

Thread Size	Length (L)	Outside Diameter (d)	Material	Finish
<input type="checkbox"/> M4 (4mm) 2	<input type="checkbox"/> 12mm 2	<input type="checkbox"/> 5mm 2	<input type="checkbox"/> Marine Stainless Steel (A4) 10	<input type="checkbox"/> Matte Black 12
<input type="checkbox"/> M5 (5mm) 4	<input type="checkbox"/> 15mm 4	<input type="checkbox"/> 6.5mm 4	<input type="checkbox"/> Stainless Steel (A1) 14	<input type="checkbox"/> Natural 12
<input type="checkbox"/> M6 (6mm) 4	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> 8mm 4		
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 20mm 8	<input type="checkbox"/> 11mm 4		
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 25mm 2	<input type="checkbox"/> 14mm 4		
<input type="checkbox"/> M12 (12mm) 4		<input type="checkbox"/> 16mm 4		
<input type="checkbox"/> M16 (16mm) 2		<input type="checkbox"/> 22mm 2		



HEXAGON NYLON

LOCKING NUTS



APPLICATIONS

Nylon lock nuts are used across a wide variety of industries, including in **appliances, computers, furniture, medical equipment, vehicles, sheet metal, and aircraft**. Heavier nylon insert lock nuts are used in buildings, on bridges, and in railroad equipment. Nylon's advantages include resistance to greases and oils; a low coefficient of friction; ability to maintain its strength when exposed to heat.

Hexagon Nylon Locking Nuts

Thread Size	Nut Width A/F (J) [Max]	Total Thickness (L) [Max]	Material	Finish
<input type="checkbox"/> M1.6 (1.6mm) 2 ^	<input type="checkbox"/> 2.2mm 2 ^	<input type="checkbox"/> 1.65mm 2 ^	<input type="checkbox"/> Grade 8 Carbon Steel 18 ^	<input type="checkbox"/> Hot Dip Galvanised 6 ^
<input type="checkbox"/> M2 (2mm) 1	<input type="checkbox"/> 4mm 1	<input type="checkbox"/> 2.80mm 1	<input type="checkbox"/> Grade 10 Carbon Steel 18	<input type="checkbox"/> Natural 36
<input type="checkbox"/> M2.5 (2.5mm) 2	<input type="checkbox"/> 5mm 2	<input type="checkbox"/> 3.60mm 2	<input type="checkbox"/> Marine Stainless Steel (A4) 17	<input type="checkbox"/> Zinc Plated 30
<input type="checkbox"/> M3 (3mm) 3	<input type="checkbox"/> 5.50mm 3	<input type="checkbox"/> 4mm 3	<input type="checkbox"/> Stainless Steel (A2) 19	
<input type="checkbox"/> M3.5 (3.5mm) 1	<input type="checkbox"/> 6mm 1	<input type="checkbox"/> 4.50mm 1		
<input type="checkbox"/> M4 (4mm) 3	<input type="checkbox"/> 7mm 3	<input type="checkbox"/> 5mm 6		
<input type="checkbox"/> M5 (5mm) 3	<input type="checkbox"/> 8mm 3	<input type="checkbox"/> 6mm 4		
<input type="checkbox"/> M6 (6mm) 4 v	<input type="checkbox"/> 10mm 4 v	<input type="checkbox"/> 8mm 5 v		

Hexagon Nylon Locking Nuts

Thread Size	Nut Width A/F (J) [Max]	Total Thickness (L) [Max]	Material	Finish
<input type="checkbox"/> M8 (8mm) 5 ^	<input type="checkbox"/> 13mm 5 ^	<input type="checkbox"/> 10mm 5 ^	<input type="checkbox"/> Grade 8 Carbon Steel 18 ^	<input type="checkbox"/> Hot Dip Galvanised 6 ^
<input type="checkbox"/> M10 (10mm) 5	<input type="checkbox"/> 17mm 5	<input type="checkbox"/> 12mm 5	<input type="checkbox"/> Grade 10 Carbon Steel 18	<input type="checkbox"/> Natural 36
<input type="checkbox"/> M12 (12mm) 5	<input type="checkbox"/> 19mm 5	<input type="checkbox"/> 14mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 17	<input type="checkbox"/> Zinc Plated 30
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> 16mm 5	<input type="checkbox"/> Stainless Steel (A2) 19	
<input type="checkbox"/> M16 (16mm) 5	<input type="checkbox"/> 24mm 5	<input type="checkbox"/> 18.50mm 3		
<input type="checkbox"/> M18 (18mm) 3	<input type="checkbox"/> 27mm 3	<input type="checkbox"/> 20mm 5		
<input type="checkbox"/> M20 (20mm) 5	<input type="checkbox"/> 30mm 5	<input type="checkbox"/> 22mm 2		
<input type="checkbox"/> M22 (22mm) 2 v	<input type="checkbox"/> 32mm 2 v	<input type="checkbox"/> 24mm 5 v		

Hexagon Nylon Locking Nuts

Thread Size	Nut Width A/F (J) [Max]	Total Thickness (L) [Max]	Material	Finish
<input type="checkbox"/> M22 (22mm) 2 ^	<input type="checkbox"/> 32mm 2 ^	<input type="checkbox"/> 22mm 2 ^	<input type="checkbox"/> Grade 8 Carbon Steel 18 ^	<input type="checkbox"/> Hot Dip Galvanised 6 ^
<input type="checkbox"/> M24 (24mm) 5	<input type="checkbox"/> 36mm 5	<input type="checkbox"/> 24mm 5	<input type="checkbox"/> Grade 10 Carbon Steel 18	<input type="checkbox"/> Natural 36
<input type="checkbox"/> M27 (27mm) 2	<input type="checkbox"/> 41mm 2	<input type="checkbox"/> 27mm 2	<input type="checkbox"/> Marine Stainless Steel (A4) 17	<input type="checkbox"/> Zinc Plated 30
<input type="checkbox"/> M30 (30mm) 3	<input type="checkbox"/> 46mm 3	<input type="checkbox"/> 30mm 3	<input type="checkbox"/> Stainless Steel (A2) 19	
<input type="checkbox"/> M33 (33mm) 3	<input type="checkbox"/> 50mm 3	<input type="checkbox"/> 33mm 3		
<input type="checkbox"/> M36 (36mm) 4	<input type="checkbox"/> 55mm 4	<input type="checkbox"/> 36mm 4		
<input type="checkbox"/> M42 (42mm) 1	<input type="checkbox"/> 65mm 1	<input type="checkbox"/> 42mm 1		
<input type="checkbox"/> M48 (48mm) 1 v	<input type="checkbox"/> 75mm 1 v	<input type="checkbox"/> 48mm 1 v		

Drag the cursor around the area you want to capture.

THIN CASTLE NUTS



APPLICATIONS

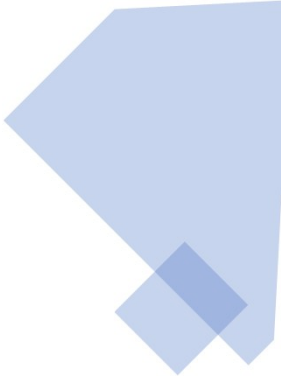
A castellated nut, also known as a castle nut, has three notches in one end, giving an appearance like the crenellated battlements of a castle. Castellated nuts are a positive locking device that's used **to ensure that the nut remains affixed and resists vibration.**

Thin Castle Nuts

Thread Size (T)	Nut Width A/F (F)	Nut Thickness (T)	Material	Finish
<input type="checkbox"/> M6 (6mm) 4	<input type="checkbox"/> 10mm 4	<input type="checkbox"/> 3.5mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 22	<input type="checkbox"/> Matte Black 22
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 13mm 4	<input type="checkbox"/> 4.5mm 4	<input type="checkbox"/> Stainless Steel (A2) 22	<input type="checkbox"/> Natural 22
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 17mm 4	<input type="checkbox"/> 5mm 4		
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 19mm 4	<input type="checkbox"/> 6mm 4		
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> 7mm 8		
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 8mm 8		
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 27mm 4	<input type="checkbox"/> 9mm 4		
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 11mm 8		

Thin Castle Nuts

Thread Size (T)	Nut Width A/F (F)	Nut Thickness (T)	Material	Finish
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 19mm 4	<input type="checkbox"/> 3.5mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 22	<input type="checkbox"/> Matte Black 22
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> 4.5mm 4	<input type="checkbox"/> Stainless Steel (A2) 22	<input type="checkbox"/> Natural 22
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 5mm 4		
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 27mm 4	<input type="checkbox"/> 6mm 4		
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 7mm 8		
<input type="checkbox"/> M24 (24mm) 4	<input type="checkbox"/> 36mm 4	<input type="checkbox"/> 8mm 8		
<input type="checkbox"/> M27 (27mm) 4	<input type="checkbox"/> 41mm 4	<input type="checkbox"/> 9mm 4		
<input type="checkbox"/> M30 (30mm) 4	<input type="checkbox"/> 46mm 4	<input type="checkbox"/> 11mm 8		



CASTLE NUTS



APPLICATIONS

They are also known as castellated nuts, which are particularly useful for **locking certain items in place on a project when you don't want to use special locking nuts and bolts**. A castle nut is easy to use because you can thread it without using a wrench initially.

Castle Nuts

Thread Size (T)	Nut Width A/F (F)	Nut Thickness (T)	Material	Finish
<input type="checkbox"/> M5 (5mm) 4	<input type="checkbox"/> 08mm 4	<input type="checkbox"/> 4mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 28	<input type="checkbox"/> Matte Black 28
<input type="checkbox"/> M6 (6mm) 4	<input type="checkbox"/> 10mm 4	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> Stainless Steel (A2) 28	<input type="checkbox"/> Natural 28
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 13mm 4	<input type="checkbox"/> 6.5mm 4		
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 17mm 4	<input type="checkbox"/> 8mm 4		
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 19mm 4	<input type="checkbox"/> 10mm 4		
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> 11mm 4		
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 13mm 4		
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 27mm 4	<input type="checkbox"/> 15mm 4		

Castle Nuts

Thread Size (T)	Nut Width A/F (F)	Nut Thickness (T)	Material	Finish
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 13mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 28	<input type="checkbox"/> Matte Black 28
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 27mm 4	<input type="checkbox"/> 15mm 4	<input type="checkbox"/> Stainless Steel (A2) 28	<input type="checkbox"/> Natural 28
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 16mm 4		
<input type="checkbox"/> M22 (22mm) 4	<input type="checkbox"/> 32mm 4	<input type="checkbox"/> 18mm 4		
<input type="checkbox"/> M24 (24mm) 4	<input type="checkbox"/> 36mm 4	<input type="checkbox"/> 19mm 4		
<input type="checkbox"/> M27 (27mm) 4	<input type="checkbox"/> 41mm 4	<input type="checkbox"/> 22mm 4		
<input type="checkbox"/> M30 (30mm) 4	<input type="checkbox"/> 46mm 4	<input type="checkbox"/> 24mm 4		
<input type="checkbox"/> M36 (36mm) 4	<input type="checkbox"/> 55mm 4	<input type="checkbox"/> 29mm 4		

HEXAGONAL TRAPEZOIDAL LEADSCREW NUTS

APPLICATIONS

Trapezoidal Round Coupling Nuts are **internally threaded fasteners that are used for joining two externally threaded fasteners together that have trapezoidal thread.** Trapezoidal Thread is often used where large screw loads are required. Common uses are as the lead screw of a lathe or in a vise



Hexagonal Trapezoidal Leadscrew Nuts

Lead screw diameter	Lead	Number of starts	Nut Width A/F (J)	Screw hand
<input type="checkbox"/> 10mm 4	<input type="checkbox"/> 2mm 2	<input type="checkbox"/> 1 26	<input type="checkbox"/> 17mm 4	<input type="checkbox"/> Left 13
<input type="checkbox"/> 12mm 2	<input type="checkbox"/> 3mm 6		<input type="checkbox"/> 19mm 2	<input type="checkbox"/> Right 13
<input type="checkbox"/> 14mm 4	<input type="checkbox"/> 4mm 8		<input type="checkbox"/> 22mm 4	
<input type="checkbox"/> 16mm 2	<input type="checkbox"/> 5mm 8		<input type="checkbox"/> 27mm 4	
<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 6mm 2		<input type="checkbox"/> 30mm 4	
<input type="checkbox"/> 20mm 2			<input type="checkbox"/> 36mm 4	
<input type="checkbox"/> 22mm 2			<input type="checkbox"/> 41mm 2	
<input type="checkbox"/> 24mm 2			<input type="checkbox"/> 46mm 2	

Hexagonal Trapezoidal Leadscrew Nuts

Lead screw diameter	Lead	Number of starts	Nut Width A/F (J)	Screw hand
<input type="checkbox"/> 16mm 2	<input type="checkbox"/> 2mm 2	<input type="checkbox"/> 1 26	<input type="checkbox"/> 17mm 4	<input type="checkbox"/> Left 13
<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 3mm 6		<input type="checkbox"/> 19mm 2	<input type="checkbox"/> Right 13
<input type="checkbox"/> 20mm 2	<input type="checkbox"/> 4mm 8		<input type="checkbox"/> 22mm 4	
<input type="checkbox"/> 22mm 2	<input type="checkbox"/> 5mm 8		<input type="checkbox"/> 27mm 4	
<input type="checkbox"/> 24mm 2	<input type="checkbox"/> 6mm 2		<input type="checkbox"/> 30mm 4	
<input type="checkbox"/> 26mm 2			<input type="checkbox"/> 36mm 4	
<input type="checkbox"/> 28mm 2			<input type="checkbox"/> 41mm 2	
<input type="checkbox"/> 30mm 2			<input type="checkbox"/> 46mm 2	

METAL LOCKING NUTS



APPLICATIONS

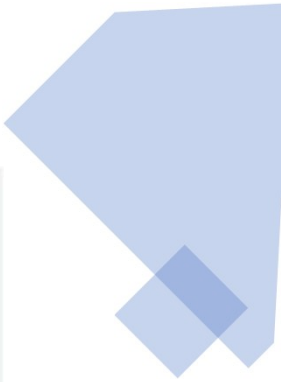
All-Metal Lock Nuts **prevent against loosening, providing resistance when tightened down on a bolt thread.**

Metal Locking Nuts

Thread Size	Nut Width A/F (F)	Nut Thickness (Max) (T)	Material	Finish
<input type="checkbox"/> M3 (3mm) 4 ^	<input type="checkbox"/> 5.5mm 4 ^	<input type="checkbox"/> 3.7mm 4 ^	<input type="checkbox"/> Duplex Stainless Steel 14 ^	<input type="checkbox"/> Matte Black 29 ^
<input type="checkbox"/> M4 (4mm) 4	<input type="checkbox"/> 7mm 4	<input type="checkbox"/> 4.2mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 18	<input type="checkbox"/> Natural 29
<input type="checkbox"/> M5 (5mm) 4	<input type="checkbox"/> 8mm 4	<input type="checkbox"/> 5.1mm 4	<input type="checkbox"/> Stainless Steel (A2) 26	
<input type="checkbox"/> M6 (6mm) 6	<input type="checkbox"/> 10mm 6	<input type="checkbox"/> 6mm 6		
<input type="checkbox"/> M7 (7mm) 2	<input type="checkbox"/> 11mm 2	<input type="checkbox"/> 7mm 2		
<input type="checkbox"/> M8 (8mm) 6	<input type="checkbox"/> 13mm 6	<input type="checkbox"/> 8mm 6		
<input type="checkbox"/> M10 (10mm) 6	<input type="checkbox"/> 17mm 6	<input type="checkbox"/> 10mm 6		
<input type="checkbox"/> M12 (12mm) 6 v	<input type="checkbox"/> 19mm 6 v	<input type="checkbox"/> 12mm 6 v		

Metal Locking Nuts

Thread Size	Nut Width A/F (F)	Nut Thickness (Max) (T)	Material	Finish
<input type="checkbox"/> M8 (8mm) 6 ^	<input type="checkbox"/> 13mm 6 ^	<input type="checkbox"/> 8mm 6 ^	<input type="checkbox"/> Duplex Stainless Steel 14 ^	<input type="checkbox"/> Matte Black 29 ^
<input type="checkbox"/> M10 (10mm) 6	<input type="checkbox"/> 17mm 6	<input type="checkbox"/> 10mm 6	<input type="checkbox"/> Marine Stainless Steel (A4) 18	<input type="checkbox"/> Natural 29
<input type="checkbox"/> M12 (12mm) 6	<input type="checkbox"/> 19mm 6	<input type="checkbox"/> 12mm 6	<input type="checkbox"/> Stainless Steel (A2) 26	
<input type="checkbox"/> M14 (14mm) 2	<input type="checkbox"/> 22mm 2	<input type="checkbox"/> 14mm 2		
<input type="checkbox"/> M16 (16mm) 6	<input type="checkbox"/> 24mm 6	<input type="checkbox"/> 16mm 6		
<input type="checkbox"/> M20 (20mm) 6	<input type="checkbox"/> 30mm 6	<input type="checkbox"/> 20mm 6		
<input type="checkbox"/> M22 (22mm) 2	<input type="checkbox"/> 32mm 2	<input type="checkbox"/> 22mm 2		
<input type="checkbox"/> M24 (24mm) 4 v	<input type="checkbox"/> 36mm 4 v	<input type="checkbox"/> 24mm 4 v		



STEEL CYLINDRICAL TRAPEZOIDAL LEADSCREW NUTS

APPLICATIONS



A lead screw is sometimes referred to as a “power screw” or a “translation screw”. They are used within motion control devices **to transform rotary or turning movements into linear movements.** The Screw Nut is a **sliding feed nut compatible with the standards for a 30-degree trapezoidal screw thread.**

Steel Cylindrical Trapezoidal Leadscrew Nuts

Lead screw diameter (D)	Lead (L)	Number of starts	Nut diameter (OD)	Screw hand
<input type="checkbox"/> 10mm 4	<input type="checkbox"/> 2mm 2	<input type="checkbox"/> 1 26	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> Left 13
<input type="checkbox"/> 12mm 3	<input type="checkbox"/> 3mm 6	<input type="checkbox"/> 2 1	<input type="checkbox"/> 26mm 3	<input type="checkbox"/> Right 14
<input type="checkbox"/> 14mm 4	<input type="checkbox"/> 4mm 8		<input type="checkbox"/> 30mm 4	
<input type="checkbox"/> 16mm 2	<input type="checkbox"/> 5mm 8		<input type="checkbox"/> 36mm 2	
<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 6mm 3		<input type="checkbox"/> 40mm 2	
<input type="checkbox"/> 20mm 2			<input type="checkbox"/> 45mm 4	
<input type="checkbox"/> 22mm 2			<input type="checkbox"/> 50mm 4	
<input type="checkbox"/> 24mm 2			<input type="checkbox"/> 60mm 4	

Steel Cylindrical Trapezoidal Leadscrew Nuts

Lead screw diameter (D)	Lead (L)	Number of starts	Nut diameter (OD)	Screw hand
<input type="checkbox"/> 16mm 2	<input type="checkbox"/> 2mm 2	<input type="checkbox"/> 1 26	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> Left 13
<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 3mm 6	<input type="checkbox"/> 2 1	<input type="checkbox"/> 26mm 3	<input type="checkbox"/> Right 14
<input type="checkbox"/> 20mm 2	<input type="checkbox"/> 4mm 8		<input type="checkbox"/> 30mm 4	
<input type="checkbox"/> 22mm 2	<input type="checkbox"/> 5mm 8		<input type="checkbox"/> 36mm 2	
<input type="checkbox"/> 24mm 2	<input type="checkbox"/> 6mm 3		<input type="checkbox"/> 40mm 2	
<input type="checkbox"/> 26mm 2			<input type="checkbox"/> 45mm 4	
<input type="checkbox"/> 28mm 2			<input type="checkbox"/> 50mm 4	
<input type="checkbox"/> 30mm 2			<input type="checkbox"/> 60mm 4	

CAP NUTS



APPLICATIONS

A cap nut **serves to protect the bolt threads underneath, but also provides a cleaner appearance, and may improve safety on certain joints and applications.** When your application requires a smooth finish, or all rough-edged fasteners and exposed threads must be covered, cap nuts provide an excellent solution.

Cap Nuts

Thread Size (T)	Nut Width A/F (J)	Nut Length (T)	Material	Finish
<input type="checkbox"/> M3 (3mm)	<input type="checkbox"/> 5.5mm	<input type="checkbox"/> 4mm	<input type="checkbox"/> Marine Stainless Steel (A4)	<input type="checkbox"/> Matte Black
<input type="checkbox"/> M4 (4mm)	<input type="checkbox"/> 7mm	<input type="checkbox"/> 4.4mm	<input checked="" type="checkbox"/> Stainless Steel (A2)	<input checked="" type="checkbox"/> Natural
<input type="checkbox"/> M5 (5mm)	<input type="checkbox"/> 8mm	<input type="checkbox"/> 5.2mm		
<input type="checkbox"/> M6 (6mm)	<input type="checkbox"/> 10mm	<input type="checkbox"/> 7mm		
<input type="checkbox"/> M8 (8mm)	<input type="checkbox"/> 13mm	<input type="checkbox"/> 9.5mm		
<input type="checkbox"/> M10 (10mm)	<input type="checkbox"/> 17mm	<input type="checkbox"/> 11mm		
<input type="checkbox"/> M12 (12mm)	<input type="checkbox"/> 19mm	<input type="checkbox"/> 13.6mm		
<input type="checkbox"/> M14 (14mm)	<input type="checkbox"/> 22mm	<input type="checkbox"/> 15mm		

Cap Nuts

Thread Size (T)	Nut Width A/F (J)	Nut Length (T)	Material	Finish
<input type="checkbox"/> M14 (14mm)	<input type="checkbox"/> 22mm	<input type="checkbox"/> 15mm	<input type="checkbox"/> Marine Stainless Steel (A4)	<input type="checkbox"/> Matte Black
<input type="checkbox"/> M16 (16mm)	<input type="checkbox"/> 24mm	<input type="checkbox"/> 17mm	<input checked="" type="checkbox"/> Stainless Steel (A2)	<input checked="" type="checkbox"/> Natural
<input type="checkbox"/> M18 (18mm)	<input type="checkbox"/> 27mm	<input type="checkbox"/> 19mm		
<input type="checkbox"/> M20 (20mm)	<input type="checkbox"/> 30mm	<input type="checkbox"/> 21mm		
<input type="checkbox"/> M22 (22mm)	<input type="checkbox"/> 32mm	<input type="checkbox"/> 22mm		
<input type="checkbox"/> M24 (24mm)	<input type="checkbox"/> 36mm	<input type="checkbox"/> 24mm		
<input type="checkbox"/> M27 (27mm)	<input type="checkbox"/> 41mm	<input type="checkbox"/> 26mm		
<input type="checkbox"/> M30 (30mm)	<input type="checkbox"/> 46mm	<input type="checkbox"/> 28mm		

METRIC HEXAGONAL STUD CONNECTOR NUTS



APPLICATIONS

Stud and connector nuts are essentially extended hexagon nuts that are traditionally used to connect together two lengths of studding (threaded bar). They are also used for many other applications where a longer nut is required.

These nuts are supplied with metric coarse threads, in either a zinc plated or stainless steel finish

Metric Hexagonal Stud Connector Nuts

Thread Size	Nut Width Across Flats (J)	Nut Length (L)	Material	Finish
<input type="checkbox"/> M5 (5mm) 2	<input type="checkbox"/> 8mm 2	<input type="checkbox"/> 15mm 2	<input type="checkbox"/> Marine Stainless Steel (A4) 18	<input type="checkbox"/> Matte Black 19
<input type="checkbox"/> M6 (6mm) 4	<input type="checkbox"/> 10mm 4	<input type="checkbox"/> 18mm 4	<input type="checkbox"/> Stainless Steel (A2) 20	<input type="checkbox"/> Natural 19
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 13mm 4	<input type="checkbox"/> 24mm 4		
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 17mm 4	<input type="checkbox"/> 30mm 4		
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 19mm 4	<input type="checkbox"/> 36mm 4		
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> 42mm 4		
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 48mm 4		
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 60mm 4		

Metric Hexagonal Stud Connector Nuts

Thread Size	Nut Width Across Flats (J)	Nut Length (L)	Material	Finish
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 13mm 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 18	<input type="checkbox"/> Matte Black 19
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 17mm 4	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> Stainless Steel (A2) 20	<input type="checkbox"/> Natural 19
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 19mm 4	<input type="checkbox"/> 36mm 4		
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> 42mm 4		
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 48mm 4		
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 60mm 4		
<input type="checkbox"/> M24 (24mm) 4	<input type="checkbox"/> 36mm 4	<input type="checkbox"/> 72mm 4		
<input type="checkbox"/> M30 (30mm) 4	<input type="checkbox"/> 46mm 4	<input type="checkbox"/> 90mm 4		

SLOTTED ROUND NUTS



APPLICATIONS

The Slotted Round Nut is used across several applications including **electrical engineering**. They can be tightened by means of a slotted screwdriver and are intended to be used for locking components where no specific pre-stressing forces are required.

Slotted nuts are used **in applications where vibration or motion might undo the locknut.**

Slotted Round Nuts

Thread Size (T)	Nut Thickness (L)	External Diameter (D)	Material	Finish
<input type="checkbox"/> M2 (2mm) 4	<input type="checkbox"/> 2mm 4	<input type="checkbox"/> 4.5mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 20	<input type="checkbox"/> Matte Black 20
<input type="checkbox"/> M2.5 (2.5mm) 4	<input type="checkbox"/> 2.2mm 4	<input type="checkbox"/> 5.5mm 4	<input type="checkbox"/> Stainless Steel (A1) 18	<input type="checkbox"/> Natural 20
<input type="checkbox"/> M3 (3mm) 4	<input type="checkbox"/> 2.5mm 4	<input type="checkbox"/> 6mm 4	<input type="checkbox"/> Stainless Steel (A4) 2	
<input type="checkbox"/> M3.5 (3.5mm) 4	<input type="checkbox"/> 3mm 4	<input type="checkbox"/> 7mm 4		
<input type="checkbox"/> M4 (4mm) 4	<input type="checkbox"/> 3.5mm 4	<input type="checkbox"/> 8mm 4		
<input type="checkbox"/> M5 (5mm) 4	<input type="checkbox"/> 4.2mm 4	<input type="checkbox"/> 9mm 4		
<input type="checkbox"/> M6 (6mm) 4	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> 11mm 4		
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 6.5mm 4	<input type="checkbox"/> 14mm 4		

Slotted Round Nuts

Thread Size (T)	Nut Thickness (L)	External Diameter (D)	Material	Finish
<input type="checkbox"/> M3.5 (3.5mm) 4	<input type="checkbox"/> 3mm 4	<input type="checkbox"/> 7mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 20	<input type="checkbox"/> Matte Black 20
<input type="checkbox"/> M4 (4mm) 4	<input type="checkbox"/> 3.5mm 4	<input type="checkbox"/> 8mm 4	<input type="checkbox"/> Stainless Steel (A1) 18	<input type="checkbox"/> Natural 20
<input type="checkbox"/> M5 (5mm) 4	<input type="checkbox"/> 4.2mm 4	<input type="checkbox"/> 9mm 4	<input type="checkbox"/> Stainless Steel (A4) 2	
<input type="checkbox"/> M6 (6mm) 4	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> 11mm 4		
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 6.5mm 4	<input type="checkbox"/> 14mm 4		
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 8mm 4	<input type="checkbox"/> 18mm 4		
<input type="checkbox"/> M12 (12mm) 2	<input type="checkbox"/> 10mm 2	<input type="checkbox"/> 21mm 2		
<input type="checkbox"/> M16 (16mm) 2	<input type="checkbox"/> 12mm 2	<input type="checkbox"/> 26mm 2		



PIPE NUTS



APPLICATIONS

A pipe nut is a type of pipe fitting is used in plumbing system **to join multiple pipes of same size or different sizes, to regulate the flow or to measure the flow.**

Pipe Nuts

Thread Size	Nut Length (L)	Hexagon A/F (F)	Material	Finish
<input type="checkbox"/> G 1 inch 4	<input type="checkbox"/> 6mm - 6.4mm 16	<input type="checkbox"/> 18mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 34	<input type="checkbox"/> Matte Black 34
<input type="checkbox"/> G 1.1/2 inch 4	<input type="checkbox"/> 7mm - 7.5mm 4	<input type="checkbox"/> 19mm 4	<input type="checkbox"/> Stainless Steel (A2) 34	<input type="checkbox"/> Natural 34
<input type="checkbox"/> G 1.1/4 inch 4	<input type="checkbox"/> 8mm - 8.5mm 16	<input type="checkbox"/> 21mm 4		
<input type="checkbox"/> G 1.1/8 inch 4	<input type="checkbox"/> 9mm 9.5mm 12	<input type="checkbox"/> 22mm 4		
<input type="checkbox"/> G 1/2 inch 8	<input type="checkbox"/> 10mm - 10.5mm 4	<input type="checkbox"/> 27mm 4		
<input type="checkbox"/> G 1/4 inch 8	<input type="checkbox"/> 11mm - 11.7mm 4	<input type="checkbox"/> 32mm 8		
<input type="checkbox"/> G 1/8 inch 8	<input type="checkbox"/> 12mm - 12.7mm 4	<input type="checkbox"/> 34mm 8		
<input type="checkbox"/> G 2 inch 4	<input type="checkbox"/> 13mm - 13.7mm 4	<input type="checkbox"/> 36mm 4		

Pipe Nuts

Thread Size	Nut Length (L)	Hexagon A/F (F)	Material	Finish
<input type="checkbox"/> G 1/4 inch 8	<input type="checkbox"/> 7mm - 7.5mm 4	<input type="checkbox"/> 36mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 34	<input type="checkbox"/> Matte Black 34
<input type="checkbox"/> G 1/8 inch 8	<input type="checkbox"/> 8mm - 8.5mm 16	<input type="checkbox"/> 41mm 4	<input type="checkbox"/> Stainless Steel (A2) 34	<input type="checkbox"/> Natural 34
<input type="checkbox"/> G 2 inch 4	<input type="checkbox"/> 9mm 9.5mm 12	<input type="checkbox"/> 46mm 4		
<input type="checkbox"/> G 3 inch 4	<input type="checkbox"/> 10mm - 10.5mm 4	<input type="checkbox"/> 50mm 4		
<input type="checkbox"/> G 3/4 inch 4	<input type="checkbox"/> 11mm - 11.7mm 4	<input type="checkbox"/> 55mm 4		
<input type="checkbox"/> G 3/8 inch 4	<input type="checkbox"/> 12mm - 12.7mm 4	<input type="checkbox"/> 60mm 4		
<input type="checkbox"/> G 5/8 inch 8	<input type="checkbox"/> 13mm - 13.7mm 4	<input type="checkbox"/> 75mm 4		
<input type="checkbox"/> G 7/8 inch 4	<input type="checkbox"/> 19mm - 19.8mm 4	<input type="checkbox"/> 105mm 4		

SHEAR NUTS



APPLICATIONS

Shear nuts deliver a simple, low-cost solution for any project where a permanent fixing is required. For example, they are used **to anchor park benches to pre-embedded fixing studs, or for securing street sign-age**, thus providing an effective deterrent against theft or vandalism.

Shear Nuts

Thread Size	Nut Width (A/F) (J)	Nut Thickness (H)	Material	Finish
<input type="checkbox"/> M4 (4mm) 2	<input type="checkbox"/> 7mm 2	<input type="checkbox"/> 3.5mm 2	<input type="checkbox"/> Case Hardened Steel 13	<input type="checkbox"/> Bright Zinc Plated 7
<input type="checkbox"/> M5 (5mm) 2	<input type="checkbox"/> 10mm 6	<input type="checkbox"/> 4mm 2	<input type="checkbox"/> Marine Stainless Steel (A4) 10	<input type="checkbox"/> Galvanised 6
<input type="checkbox"/> M6 (6mm) 5	<input type="checkbox"/> 13mm 5	<input type="checkbox"/> 5mm 2	<input type="checkbox"/> Stainless Steel (A2) 16	<input type="checkbox"/> Matte Black 13
<input type="checkbox"/> M8 (8mm) 6	<input type="checkbox"/> 17mm 6	<input type="checkbox"/> 5.5mm 2		<input type="checkbox"/> Natural 13
<input type="checkbox"/> M10 (10mm) 6	<input type="checkbox"/> 19mm 4	<input type="checkbox"/> 7mm 2		
<input type="checkbox"/> M12 (12mm) 6	<input type="checkbox"/> 20mm 2			
<input type="checkbox"/> M16 (16mm) 6	<input type="checkbox"/> 22mm 2			
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 24mm 6			

Shear Nuts

Thread Size	Nut Width (A/F) (J)	Nut Thickness (H)	Material	Finish
<input type="checkbox"/> M5 (5mm) 2	<input type="checkbox"/> 17mm 6	<input type="checkbox"/> 3.5mm 2	<input type="checkbox"/> Case Hardened Steel 13	<input type="checkbox"/> Bright Zinc Plated 7
<input type="checkbox"/> M6 (6mm) 5	<input type="checkbox"/> 19mm 4	<input type="checkbox"/> 4mm 2	<input type="checkbox"/> Marine Stainless Steel (A4) 10	<input type="checkbox"/> Galvanised 6
<input type="checkbox"/> M8 (8mm) 6	<input type="checkbox"/> 20mm 2	<input type="checkbox"/> 5mm 2	<input type="checkbox"/> Stainless Steel (A2) 16	<input type="checkbox"/> Matte Black 13
<input type="checkbox"/> M10 (10mm) 6	<input type="checkbox"/> 22mm 2	<input type="checkbox"/> 5.5mm 2		<input type="checkbox"/> Natural 13
<input type="checkbox"/> M12 (12mm) 6	<input type="checkbox"/> 24mm 6	<input type="checkbox"/> 7mm 2		
<input type="checkbox"/> M16 (16mm) 6	<input type="checkbox"/> 30mm 3			
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 32mm 1			
<input type="checkbox"/> M24 (24mm) 2	<input type="checkbox"/> 36mm 1			

TEE NUTS

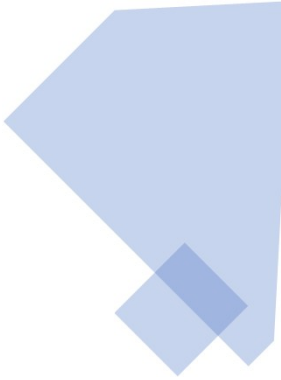
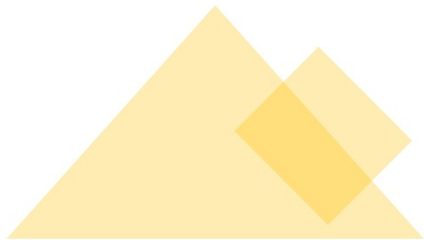


APPLICATIONS

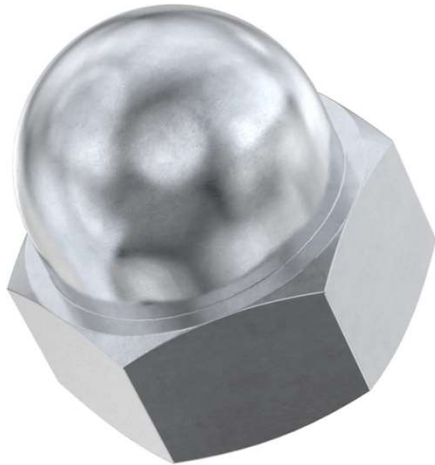
Tee nuts can be used **to fasten materials such as wood, plastic or composite material in such a manner that it will leave a flush surface.** This makes it ideal for all sorts of assembly, including in the manufacture of some types of toys such as slides. The tee nut has a long body and a flange in one end. It is also used for **particle or composite materials workpiece, leaving a flush surface.**

Tee / T Nuts

Thread Size	Total Length (L)	Nut Thickness (T)	Material	Finish
<input type="checkbox"/> M5 (5mm) 2	<input type="checkbox"/> 8mm 2	<input type="checkbox"/> 6.7mm 2	<input type="checkbox"/> Stainless Steel (A2) 8	<input type="checkbox"/> Matte Black 4
<input type="checkbox"/> M6 (6mm) 2	<input type="checkbox"/> 9mm 2	<input type="checkbox"/> 7.8mm 2		<input type="checkbox"/> Natural 4
<input type="checkbox"/> M8 (8mm) 2	<input type="checkbox"/> 11mm 2	<input type="checkbox"/> 9.5mm 2		
<input type="checkbox"/> M10 (10mm) 2	<input type="checkbox"/> 12mm 2	<input type="checkbox"/> 10.2mm 2		



METRIC DOME NUTS



APPLICATIONS

Dome nuts **cover the threaded end of a fastener** meaning that they are especially suitable for when a nut is used in applications where the aesthetics matter. The domed head also acts as a shield from any ends on fasteners that could potentially be dangerous such as sharp bolt threads.

Metric Dome Nuts

Thread Size	Nut Width A/F (J)	Nut Length (E)	Material	Finish
<input type="checkbox"/> M3 (3mm) 7 ▲	<input type="checkbox"/> 22mm 4 ▲	<input type="checkbox"/> 2.4mm 6 ▲	<input type="checkbox"/> Brass 7 ▲	<input type="checkbox"/> Black 6 ▲
<input type="checkbox"/> M4 (4mm) 5	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 3mm 1	<input type="checkbox"/> Marine Stainless Steel (A4) 30	<input type="checkbox"/> Matte Black 31
<input type="checkbox"/> M5 (5mm) 7	<input type="checkbox"/> 27mm 4	<input type="checkbox"/> 3.2mm 5	<input type="checkbox"/> Nylon 12	<input type="checkbox"/> Natural 44
<input type="checkbox"/> M6 (6mm) 7	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 4mm 7	<input type="checkbox"/> Stainless Steel (A2) 32	
<input type="checkbox"/> M7 (7mm) 2	<input type="checkbox"/> 32mm 4	<input type="checkbox"/> 5mm 7		
<input type="checkbox"/> M8 (8mm) 7	<input type="checkbox"/> 36mm 4	<input type="checkbox"/> 6.5mm 7		
<input type="checkbox"/> M10 (10mm) 7	<input type="checkbox"/> 41mm 4	<input type="checkbox"/> 8mm 7		
<input type="checkbox"/> M12 (12mm) 7 ▼	<input type="checkbox"/> 46mm 4 ▼	<input type="checkbox"/> 10mm 7 ▼		

Metric Dome Nuts

Thread Size	Nut Width A/F (J)	Nut Length (E)	Material	Finish
<input type="checkbox"/> M14 (14mm) 4 ▲	<input type="checkbox"/> 22mm 4 ▲	<input type="checkbox"/> 11mm 4 ▲	<input type="checkbox"/> Brass 7 ▲	<input type="checkbox"/> Black 6 ▲
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 13mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 30	<input type="checkbox"/> Matte Black 31
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 27mm 4	<input type="checkbox"/> 15mm 4	<input type="checkbox"/> Nylon 12	<input type="checkbox"/> Natural 44
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 16mm 4	<input type="checkbox"/> Stainless Steel (A2) 32	
<input type="checkbox"/> M22 (22mm) 4	<input type="checkbox"/> 32mm 4	<input type="checkbox"/> 18mm 4		
<input type="checkbox"/> M24 (24mm) 4	<input type="checkbox"/> 36mm 4	<input type="checkbox"/> 19mm 4		
<input type="checkbox"/> M27 (27mm) 4	<input type="checkbox"/> 41mm 4	<input type="checkbox"/> 22mm 4		
<input type="checkbox"/> M30 (30mm) 4 ▼	<input type="checkbox"/> 46mm 4 ▼	<input type="checkbox"/> 24mm 4 ▼		

FLANGED TRAPEZOIDAL LEADSCREW NUTS



APPLICATIONS

Examples include **laboratory and life sciences equipment such as DNA sampling, scanning and fluid handling devices**. Others include engraving, rapid prototyping, inspection, and data storage. Lead screws are also used in heavy lifting applications when combined with a metallic (typically bronze) nut. Lead screws are commonly used in **linear actuators, machine slides (such as in machine tools), vises, presses, and jacks**.

Flanged Trapezoidal Leadscrew Nuts

Lead screw diameter (D)	Lead (L)	Number of starts	Nut diameter (OD)	Screw hand
<input type="checkbox"/> 10mm 3	<input type="checkbox"/> 2mm 2	<input type="checkbox"/> 1 22	<input type="checkbox"/> 25mm 3	<input type="checkbox"/> Left 11
<input type="checkbox"/> 12mm 3	<input type="checkbox"/> 3mm 4	<input type="checkbox"/> 2 10	<input type="checkbox"/> 28mm 12	<input type="checkbox"/> Right 21
<input type="checkbox"/> 14mm 3	<input type="checkbox"/> 4mm 7		<input type="checkbox"/> 32mm 9	
<input type="checkbox"/> 16mm 3	<input type="checkbox"/> 5mm 8		<input type="checkbox"/> 38mm 8	
<input type="checkbox"/> 18mm 3	<input type="checkbox"/> 6mm 4			
<input type="checkbox"/> 20mm 3	<input type="checkbox"/> 8mm 3			
<input type="checkbox"/> 22mm 3	<input type="checkbox"/> 10mm 3			
<input type="checkbox"/> 24mm 3	<input type="checkbox"/> 12mm 1			

Flanged Trapezoidal Leadscrew Nuts

Lead screw diameter (D)	Lead (L)	Number of starts	Nut diameter (OD)	Screw hand
<input type="checkbox"/> 16mm 3	<input type="checkbox"/> 2mm 2	<input type="checkbox"/> 1 22	<input type="checkbox"/> 25mm 3	<input type="checkbox"/> Left 11
<input type="checkbox"/> 18mm 3	<input type="checkbox"/> 3mm 4	<input type="checkbox"/> 2 10	<input type="checkbox"/> 28mm 12	<input type="checkbox"/> Right 21
<input type="checkbox"/> 20mm 3	<input type="checkbox"/> 4mm 7		<input type="checkbox"/> 32mm 9	
<input type="checkbox"/> 22mm 3	<input type="checkbox"/> 5mm 8		<input type="checkbox"/> 38mm 8	
<input type="checkbox"/> 24mm 3	<input type="checkbox"/> 6mm 4			
<input type="checkbox"/> 26mm 2	<input type="checkbox"/> 8mm 3			
<input type="checkbox"/> 28mm 3	<input type="checkbox"/> 10mm 3			
<input type="checkbox"/> 30mm 3	<input type="checkbox"/> 12mm 1			

BEARINGS



APPLICATIONS

A bearing is a machine element that **constrains relative motion to only the desired motion and reduces friction between moving parts**. Its common applications include **gearboxes, wind turbines, material handling, pumps, fans and blowers, mining and construction equipment**, etc.

For example, cylindrical roller bearings are designed to carry heavy radial loads and is suitable for high-speed applications.

LIST OF BEARINGS IN CATALOGUE



149. ROTARY BEARING A

152. ROTARY BEARING B

ROTARY BEARINGS A



APPLICATIONS

Designed to enable rotational or linear movement in a device, bearings are **machine elements that are used to reduce friction between moving parts and to enhance the speed and efficiency of a system.** Applications include:

- Aviation Cargo Systems
- Aerospace Wing Actuators
- A.T.M & Card Readers
- Commercial Blenders & Dental Hand Tools.
- Electrical Motors.

Rotary Bearings

Bearing Size	Internal Diameter (d)	External Diameter (D)	Type	Material
<input type="checkbox"/> 609 4 ^	<input type="checkbox"/> 9mm 16 ^	<input type="checkbox"/> 16mm 8 ^	<input type="checkbox"/> Double Seal (2RS) 55 ^	<input type="checkbox"/> Acetal Plastic 27 ^
<input type="checkbox"/> 618/4 2	<input type="checkbox"/> 10mm 19	<input type="checkbox"/> 17mm 10	<input type="checkbox"/> Double Shield (2Z) 66	<input type="checkbox"/> Stainless Steel 187
<input type="checkbox"/> 618/5 2	<input type="checkbox"/> 12mm 19	<input type="checkbox"/> 19mm 17	<input type="checkbox"/> Open 66	
<input type="checkbox"/> 618/6 3	<input type="checkbox"/> 15mm 19	<input type="checkbox"/> 20mm 3	<input type="checkbox"/> Single Shield (Z) 27	
<input type="checkbox"/> 618/7 3	<input type="checkbox"/> 17mm 18	<input type="checkbox"/> 21mm 4		
<input type="checkbox"/> 618/8 3	<input type="checkbox"/> 20mm 18	<input type="checkbox"/> 22mm 13		
<input type="checkbox"/> 618/9 3	<input type="checkbox"/> 22mm 9	<input type="checkbox"/> 24mm 14		
<input type="checkbox"/> 619/3 2 v	<input type="checkbox"/> 25mm 18 v	<input type="checkbox"/> 26mm 13 v		

Rotary Bearings

Bearing Size	Internal Diameter (d)	External Diameter (D)	Type	Material
<input type="checkbox"/> 60/22 3 ^	<input type="checkbox"/> 3mm 6 ^	<input type="checkbox"/> 8mm 2 ^	<input type="checkbox"/> Double Seal (2RS) 55 ^	<input type="checkbox"/> Acetal Plastic 27 ^
<input type="checkbox"/> 62/22 3	<input type="checkbox"/> 4mm 11	<input type="checkbox"/> 9mm 2	<input type="checkbox"/> Double Shield (2Z) 66	<input type="checkbox"/> Stainless Steel 187
<input type="checkbox"/> 63/22 3	<input type="checkbox"/> 5mm 13	<input type="checkbox"/> 10mm 2	<input type="checkbox"/> Open 66	
<input type="checkbox"/> 604 3	<input type="checkbox"/> 6mm 16	<input type="checkbox"/> 11mm 4	<input type="checkbox"/> Single Shield (Z) 27	
<input type="checkbox"/> 605 3	<input type="checkbox"/> 7mm 16	<input type="checkbox"/> 12mm 3		
<input type="checkbox"/> 606 4	<input type="checkbox"/> 8mm 16	<input type="checkbox"/> 13mm 9		
<input type="checkbox"/> 607 4	<input type="checkbox"/> 9mm 16	<input type="checkbox"/> 14mm 6		
<input type="checkbox"/> 608 4 v	<input type="checkbox"/> 10mm 19 v	<input type="checkbox"/> 15mm 3 v		

Rotary Bearings

Bearing Size	Internal Diameter (d)	External Diameter (D)	Type	Material
<input type="checkbox"/> 609 4	<input type="checkbox"/> 9mm 16	<input type="checkbox"/> 28mm 10	<input type="checkbox"/> Double Seal (2RS) 55	<input type="checkbox"/> Acetal Plastic 27
<input type="checkbox"/> 618/4 2	<input type="checkbox"/> 10mm 19	<input type="checkbox"/> 30mm 10	<input type="checkbox"/> Double Shield (2Z) 66	<input type="checkbox"/> Stainless Steel 187
<input type="checkbox"/> 618/5 2	<input type="checkbox"/> 12mm 19	<input type="checkbox"/> 32mm 11	<input type="checkbox"/> Open 66	
<input type="checkbox"/> 618/6 3	<input type="checkbox"/> 15mm 19	<input type="checkbox"/> 35mm 12	<input type="checkbox"/> Single Shield (Z) 27	
<input type="checkbox"/> 618/7 3	<input type="checkbox"/> 17mm 18	<input type="checkbox"/> 37mm 10		
<input type="checkbox"/> 618/8 3	<input type="checkbox"/> 20mm 18	<input type="checkbox"/> 40mm 4		
<input type="checkbox"/> 618/9 3	<input type="checkbox"/> 22mm 9	<input type="checkbox"/> 42mm 11		
<input type="checkbox"/> 619/3 2	<input type="checkbox"/> 25mm 18	<input type="checkbox"/> 44mm 3		

Rotary Bearings

Bearing Size	Internal Diameter (d)	External Diameter (D)	Type	Material
<input type="checkbox"/> 609 4	<input type="checkbox"/> 9mm 16	<input type="checkbox"/> 40mm 4	<input type="checkbox"/> Double Seal (2RS) 55	<input type="checkbox"/> Acetal Plastic 27
<input type="checkbox"/> 618/4 2	<input type="checkbox"/> 10mm 19	<input type="checkbox"/> 42mm 11	<input type="checkbox"/> Double Shield (2Z) 66	<input type="checkbox"/> Stainless Steel 187
<input type="checkbox"/> 618/5 2	<input type="checkbox"/> 12mm 19	<input type="checkbox"/> 44mm 3	<input type="checkbox"/> Open 66	
<input type="checkbox"/> 618/6 3	<input type="checkbox"/> 15mm 19	<input type="checkbox"/> 47mm 12	<input type="checkbox"/> Single Shield (Z) 27	
<input type="checkbox"/> 618/7 3	<input type="checkbox"/> 17mm 18	<input type="checkbox"/> 50mm 3		
<input type="checkbox"/> 618/8 3	<input type="checkbox"/> 20mm 18	<input type="checkbox"/> 52mm 8		
<input type="checkbox"/> 618/9 3	<input type="checkbox"/> 22mm 9	<input type="checkbox"/> 56mm 3		
<input type="checkbox"/> 619/3 2	<input type="checkbox"/> 25mm 18	<input type="checkbox"/> 62mm 4		

ROTARY BEARINGS B



APPLICATIONS

Designed to enable rotational or linear movement in a device, bearings are **machine elements that are used to reduce friction between moving parts and to enhance the speed and efficiency of a system.** Applications

include:

- Aviation Cargo Systems
- Aerospace Wing Actuators
- A.T.M & Card Readers
- Commercial Blenders & Dental Hand Tools.
- Electrical Motors.

Rotary Bearings

Bearing Size	Internal Diameter (d)	External Diameter (D)	Type	Material
<input type="checkbox"/> 60/22 3	<input type="checkbox"/> 3mm 6	<input type="checkbox"/> 8mm 2	<input type="checkbox"/> Double Seal (2RS) 55	<input type="checkbox"/> Acetal Plastic 27
<input type="checkbox"/> 62/22 3	<input type="checkbox"/> 4mm 11	<input type="checkbox"/> 9mm 2	<input type="checkbox"/> Double Shield (ZZ) 66	<input type="checkbox"/> Stainless Steel 187
<input type="checkbox"/> 63/22 3	<input type="checkbox"/> 5mm 13	<input type="checkbox"/> 10mm 2	<input type="checkbox"/> Open 66	
<input type="checkbox"/> 604 3	<input type="checkbox"/> 6mm 16	<input type="checkbox"/> 11mm 4	<input type="checkbox"/> Single Shield (Z) 27	
<input type="checkbox"/> 605 3	<input type="checkbox"/> 7mm 16	<input type="checkbox"/> 12mm 3		
<input type="checkbox"/> 606 4	<input type="checkbox"/> 8mm 16	<input type="checkbox"/> 13mm 9		
<input type="checkbox"/> 607 4	<input type="checkbox"/> 9mm 16	<input type="checkbox"/> 14mm 6		
<input type="checkbox"/> 608 4	<input type="checkbox"/> 10mm 19	<input type="checkbox"/> 15mm 3		

Rotary Bearings

Bearing Size	Internal Diameter (d)	External Diameter (D)	Type	Material
<input type="checkbox"/> 609 4	<input type="checkbox"/> 9mm 16	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> Double Seal (2RS) 55	<input type="checkbox"/> Acetal Plastic 27
<input type="checkbox"/> 618/4 2	<input type="checkbox"/> 10mm 19	<input type="checkbox"/> 17mm 10	<input type="checkbox"/> Double Shield (ZZ) 66	<input type="checkbox"/> Stainless Steel 187
<input type="checkbox"/> 618/5 2	<input type="checkbox"/> 12mm 19	<input type="checkbox"/> 19mm 17	<input type="checkbox"/> Open 66	
<input type="checkbox"/> 618/6 3	<input type="checkbox"/> 15mm 19	<input type="checkbox"/> 20mm 3	<input type="checkbox"/> Single Shield (Z) 27	
<input type="checkbox"/> 618/7 3	<input type="checkbox"/> 17mm 18	<input type="checkbox"/> 21mm 4		
<input type="checkbox"/> 618/8 3	<input type="checkbox"/> 20mm 18	<input type="checkbox"/> 22mm 13		
<input type="checkbox"/> 618/9 3	<input type="checkbox"/> 22mm 9	<input type="checkbox"/> 24mm 14		
<input type="checkbox"/> 619/3 2	<input type="checkbox"/> 25mm 18	<input type="checkbox"/> 26mm 13		

Rotary Bearings

Bearing Size	Internal Diameter (d)	External Diameter (D)	Type	Material
<input type="checkbox"/> 609 4 ↑	<input type="checkbox"/> 9mm 16 ↑	<input type="checkbox"/> 28mm 10 ↑	<input type="checkbox"/> Double Seal (2RS) 55 ↑	<input type="checkbox"/> Acetal Plastic 27 ↑
<input type="checkbox"/> 618/4 2	<input type="checkbox"/> 10mm 19	<input type="checkbox"/> 30mm 10	<input type="checkbox"/> Double Shield (2Z) 66	<input type="checkbox"/> Stainless Steel 187
<input type="checkbox"/> 618/5 2	<input type="checkbox"/> 12mm 19	<input type="checkbox"/> 32mm 11	<input type="checkbox"/> Open 66	
<input type="checkbox"/> 618/6 3	<input type="checkbox"/> 15mm 19	<input type="checkbox"/> 35mm 12	<input type="checkbox"/> Single Shield (Z) 27	
<input type="checkbox"/> 618/7 3	<input type="checkbox"/> 17mm 18	<input type="checkbox"/> 37mm 10		
<input type="checkbox"/> 618/8 3	<input type="checkbox"/> 20mm 18	<input type="checkbox"/> 40mm 4		
<input type="checkbox"/> 618/9 3	<input type="checkbox"/> 22mm 9	<input type="checkbox"/> 42mm 11		
<input type="checkbox"/> 619/3 2 ↓	<input type="checkbox"/> 25mm 18 ↓	<input type="checkbox"/> 44mm 3 ↓		

Rotary Bearings

Bearing Size	Internal Diameter (d)	External Diameter (D)	Type	Material
<input type="checkbox"/> 609 4 ↑	<input type="checkbox"/> 9mm 16 ↑	<input type="checkbox"/> 40mm 4 ↑	<input type="checkbox"/> Double Seal (2RS) 55 ↑	<input type="checkbox"/> Acetal Plastic 27 ↑
<input type="checkbox"/> 618/4 2	<input type="checkbox"/> 10mm 19	<input type="checkbox"/> 42mm 11	<input type="checkbox"/> Double Shield (2Z) 66	<input type="checkbox"/> Stainless Steel 187
<input type="checkbox"/> 618/5 2	<input type="checkbox"/> 12mm 19	<input type="checkbox"/> 44mm 3	<input type="checkbox"/> Open 66	
<input type="checkbox"/> 618/6 3	<input type="checkbox"/> 15mm 19	<input type="checkbox"/> 47mm 12	<input type="checkbox"/> Single Shield (Z) 27	
<input type="checkbox"/> 618/7 3	<input type="checkbox"/> 17mm 18	<input type="checkbox"/> 50mm 3		
<input type="checkbox"/> 618/8 3	<input type="checkbox"/> 20mm 18	<input type="checkbox"/> 52mm 8		
<input type="checkbox"/> 618/9 3	<input type="checkbox"/> 22mm 9	<input type="checkbox"/> 56mm 3		
<input type="checkbox"/> 619/3 2 ↓	<input type="checkbox"/> 25mm 18 ↓	<input type="checkbox"/> 62mm 4 ↓		

HOSE CLAMPS



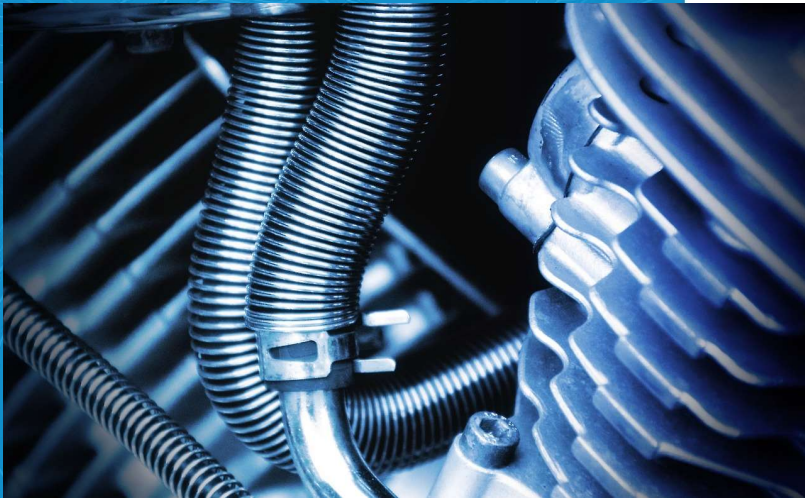
APPLICATIONS

T-bolts are ideal as clamps for high-pressure hose and for use with silicone hoses.

Applications and industries:

- Wire-reinforced hoses.
- Automotive fuel lines and exhaust hoses.
- Plumbing – seal hoses, water pipes and marine sink outlets.
- Signage, temporary repairs, sealing large containers.

HOSE CLAMPS IN CATALOGUE



157. T-BOLT CLAMPS

159. WORM DRIVE HOSE CLAMPS

T-BOLT CLAMPS



APPLICATIONS

T-Bolt clamps provide uniform sealing pressure for a positive, reliable seal. Designed for use in high vibration and large diameter applications common in heavy trucks, industrial machinery, off-road equipment, agricultural irrigation and machinery. T Bolt Clamps are designed to secure pipes and hoses at high pressure, and turbo pressure hoses, etc.

T Bolt Clamps

Metric or Imperial?	Diameter (d)	Clip Width (W)	Bolt size (B)	Material
<input type="checkbox"/> Metric 16	<input type="checkbox"/> 17 - 19mm 1 <input type="checkbox"/> 20 - 22mm 1 <input type="checkbox"/> 26 - 28mm 1 <input type="checkbox"/> 29 - 31mm 1 <input type="checkbox"/> 32 - 35mm 1 <input type="checkbox"/> 36 - 39mm 1 <input type="checkbox"/> 40 - 43mm 1 <input type="checkbox"/> 44 - 47mm 1	<input type="checkbox"/> 18mm 3 <input type="checkbox"/> 20mm 4 <input type="checkbox"/> 22mm 5 <input type="checkbox"/> 24mm 4	<input type="checkbox"/> M5 x 40 3 <input type="checkbox"/> M6 x 50 4 <input type="checkbox"/> M6 x 60 4 <input type="checkbox"/> M8 x 70 3 <input type="checkbox"/> M8 x 75 1 <input type="checkbox"/> M8 x 80 1	<input type="checkbox"/> Stainless Steel (A2) 16

T Bolt Clamps

Metric or Imperial?	Diameter (d)	Clip Width (W)	Bolt size (B)	Material
<input type="checkbox"/> Metric 16	<input type="checkbox"/> 48 - 51mm 1 <input type="checkbox"/> 52 - 55mm 1 <input type="checkbox"/> 56 - 59mm 1 <input type="checkbox"/> 64 - 67mm 1 <input type="checkbox"/> 68 - 73mm 1 <input type="checkbox"/> 74 - 79mm 1 <input type="checkbox"/> 83 - 88mm 1 <input type="checkbox"/> 104 - 112mm 1	<input type="checkbox"/> 18mm 3 <input type="checkbox"/> 20mm 4 <input type="checkbox"/> 22mm 5 <input type="checkbox"/> 24mm 4	<input type="checkbox"/> M5 x 40 3 <input type="checkbox"/> M6 x 50 4 <input type="checkbox"/> M6 x 60 4 <input type="checkbox"/> M8 x 70 3 <input type="checkbox"/> M8 x 75 1 <input type="checkbox"/> M8 x 80 1	<input type="checkbox"/> Stainless Steel (A2) 16



WORM DRIVE HOSE CLAMPS

APPLICATIONS



For anything water-related, these are handy for fastening piping sections and clamping silicone hoses, and it's best to use either Hi-Torque Stainless Steel Worm Drive hose clamps, Hi-Grip 304 Stainless (A2), or Hi-Grip 316 Stainless (A4) as they all offer maximum corrosion resistance. A hi-torque clamp that prevents hose connections from slacking, and they also prevent leakage. When the included screw is turned on the clamp worm drive, it acts like a worm drive pulling the threads of the band.

Worm Drive Hose Clamps

Diameter	Clip Width (W)	Barrel Width (B)	Material	Finish
<input type="checkbox"/> 8mm-12mm 1	<input type="checkbox"/> 9mm 22	<input type="checkbox"/> 14mm 18	<input type="checkbox"/> Marine Stainless Steel (A4) 26	<input type="checkbox"/> Natural 62
<input type="checkbox"/> 10mm-16mm 3	<input type="checkbox"/> 12mm 40	<input type="checkbox"/> 20mm 34	<input type="checkbox"/> Stainless Steel 10	
<input type="checkbox"/> 12mm-22mm 5			<input type="checkbox"/> Stainless Steel (A2) 26	
<input type="checkbox"/> 16mm-25mm 2				
<input type="checkbox"/> 16mm-27mm 4				
<input type="checkbox"/> 20mm-32mm 5				
<input type="checkbox"/> 25mm-40mm 5				
<input type="checkbox"/> 30mm-45mm 4				

Worm Drive Hose Clamps

Diameter	Clip Width (W)	Barrel Width (B)	Material	Finish
<input type="checkbox"/> 32mm-50mm 1	<input type="checkbox"/> 9mm 22	<input type="checkbox"/> 14mm 18	<input type="checkbox"/> Marine Stainless Steel (A4) 26	<input type="checkbox"/> Natural 62
<input type="checkbox"/> 35mm-50mm 4	<input type="checkbox"/> 12mm 40	<input type="checkbox"/> 20mm 34	<input type="checkbox"/> Stainless Steel 10	
<input type="checkbox"/> 40mm-60mm 5			<input type="checkbox"/> Stainless Steel (A2) 26	
<input type="checkbox"/> 50mm-70mm 5				
<input type="checkbox"/> 60mm-80mm 2				
<input type="checkbox"/> 70mm-90mm 2				
<input type="checkbox"/> 80mm-100mm 2				
<input type="checkbox"/> 90mm-110mm 2				

Worm Drive Hose Clamps

Diameter	Clip Width (W)	Barrel Width (B)	Material	Finish
<input type="checkbox"/> 70mm-90mm 2	<input type="checkbox"/> 9mm 22	<input type="checkbox"/> 14mm 18	<input type="checkbox"/> Marine Stainless Steel (A4) 26	<input type="checkbox"/> Natural 62
<input type="checkbox"/> 80mm-100mm 2	<input type="checkbox"/> 12mm 40	<input type="checkbox"/> 20mm 34	<input type="checkbox"/> Stainless Steel 10	
<input type="checkbox"/> 90mm-110mm 2			<input type="checkbox"/> Stainless Steel (A2) 26	
<input type="checkbox"/> 100mm-120mm 2				
<input type="checkbox"/> 110mm-130mm 2				
<input type="checkbox"/> 120mm-140mm 2				
<input type="checkbox"/> 130mm-150mm 2				
<input type="checkbox"/> 140mm-160mm 2				

RIVETS AND FASTENERS



APPLICATIONS

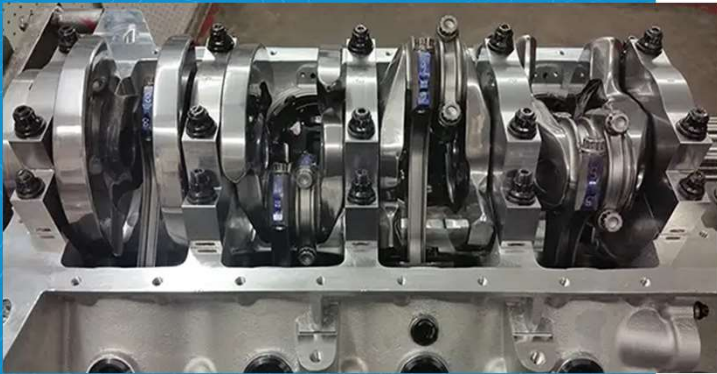
RIVETS

- Aerospace
- Aluminium boats
- Military equipment
- Electric and magnetic motors
- Construction Applications

FASTENERS

- Aerospace
- Automotive industries
- Petrochemical, Nuclear, and Marine, etc.

RIVETS/FASTENERS IN CATALOUGE



163. FLANGED BLIND RIVETS

166. BUTTON HEAD SOLID RIVETS

169. HAMMER DRIVE ROUND HEAD FASTENERS

171. COUNTERSUNK SOLID RIVETS

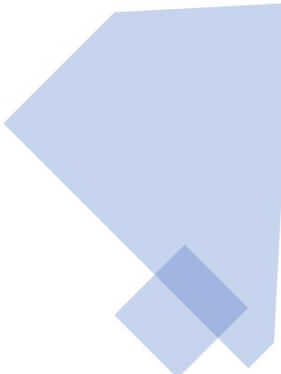
173. HAMMER DRIVE ROUND HEAD FASTENERS

FLANGED BLIND RIVETS



APPLICATIONS

Most of them are used in Trailers, Air crafts, Machinery, Jeans, Small Electronics, Structural Beams, Battleships and Submersibles. Rivets are essential in the construction of buildings, cookware, jewellery, and so much more because they are cost-effective and the preferred way to permanently fasten a variety of materials like wood, metal, and plastic.

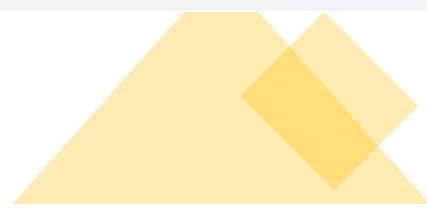


Flanged Blind Rivets

Rivet Diameter (D)	Length (L)	Grip Range	Body Material (Body / Mandrel)	Finish (Body / Mandrel)
<input type="checkbox"/> 3.2mm 15	<input type="checkbox"/> 22mm 2	<input type="checkbox"/> 2mm - 3.5mm 1	<input type="checkbox"/> Aluminium / Steel 36	<input type="checkbox"/> Matte Black / Matte Black 16
<input type="checkbox"/> 4mm 17	<input type="checkbox"/> 24mm 2	<input type="checkbox"/> 2mm - 4mm 2	<input type="checkbox"/> Stainless Steel (A2) / Stainless Steel (A2) 32	<input type="checkbox"/> Natural / Clear & Zinc Passivated 36
<input type="checkbox"/> 4.8mm 43	<input type="checkbox"/> 25mm 3	<input type="checkbox"/> 2mm - 9mm 1	<input type="checkbox"/> Steel / Steel 7	<input type="checkbox"/> Natural / Natural 16
	<input type="checkbox"/> 26mm 2	<input type="checkbox"/> 2mm - 23mm 1		<input type="checkbox"/> Zinc & Clear Passivated / Zinc & Clear Passivated 7
	<input type="checkbox"/> 28mm 2	<input type="checkbox"/> 2mm - 30mm 1		
	<input type="checkbox"/> 30mm 2	<input type="checkbox"/> 2.5mm - 5.5mm 2		
	<input type="checkbox"/> 35mm 1	<input type="checkbox"/> 3mm - 4mm 2		
	<input type="checkbox"/> 40mm 1	<input type="checkbox"/> 3mm - 6mm 1		

Flanged Blind Rivets

Rivet Diameter (D)	Length (L)	Grip Range	Body Material (Body / Mandrel)	Finish (Body / Mandrel)
<input type="checkbox"/> 3.2mm 15	<input type="checkbox"/> 6mm 5	<input type="checkbox"/> 0.5mm - 1mm 1	<input type="checkbox"/> Aluminium / Steel 36	<input type="checkbox"/> Matte Black / Matte Black 16
<input type="checkbox"/> 4mm 17	<input type="checkbox"/> 8mm 6	<input type="checkbox"/> 1mm - 3.5mm 2	<input type="checkbox"/> Stainless Steel (A2) / Stainless Steel (A2) 32	<input type="checkbox"/> Natural / Clear & Zinc Passivated 36
<input type="checkbox"/> 4.8mm 43	<input type="checkbox"/> 10mm 11	<input type="checkbox"/> 1mm - 7.5mm 1	<input type="checkbox"/> Steel / Steel 7	<input type="checkbox"/> Natural / Natural 16
	<input type="checkbox"/> 12mm 11	<input type="checkbox"/> 1mm - 7mm 1		<input type="checkbox"/> Zinc & Clear Passivated / Zinc & Clear Passivated 7
	<input type="checkbox"/> 14mm 9	<input type="checkbox"/> 1mm - 8mm 1		
	<input type="checkbox"/> 16mm 8	<input type="checkbox"/> 1mm - 17mm 1		
	<input type="checkbox"/> 18mm 4	<input type="checkbox"/> 1mm - 23mm 1		
	<input type="checkbox"/> 20mm 6	<input type="checkbox"/> 1.5mm - 1mm 2		



Flanged Blind Rivets

Rivet Diameter (D)	Length (L)	Grip Range	Body Material (Body / Mandrel)	Finish (Body / Mandrel)
<input type="checkbox"/> 3.2mm 15	<input type="checkbox"/> 22mm 2	<input type="checkbox"/> 3mm - 10mm 1	<input type="checkbox"/> Aluminium / Steel 36	<input type="checkbox"/> Matte Black / Matte Black 16
<input type="checkbox"/> 4mm 17	<input type="checkbox"/> 24mm 2	<input type="checkbox"/> 3mm - 17mm 1	<input type="checkbox"/> Stainless Steel (A2) / Stainless Steel (A2) 32	<input type="checkbox"/> Natural / Clear & Zinc Passivated 36
<input type="checkbox"/> 4.8mm 43	<input type="checkbox"/> 25mm 3	<input type="checkbox"/> 3.5mm - 4.5mm 1	<input type="checkbox"/> Steel / Steel 7	<input type="checkbox"/> Natural / Natural 16
	<input type="checkbox"/> 26mm 2	<input type="checkbox"/> 3.5mm - 4mm 2		<input type="checkbox"/> Zinc & Clear Passivated / Zinc & Clear Passivated 7
	<input type="checkbox"/> 28mm 2	<input type="checkbox"/> 3.5mm - 5mm 2		
	<input type="checkbox"/> 30mm 2	<input type="checkbox"/> 3.5mm - 9.5mm 2		
	<input type="checkbox"/> 35mm 1	<input type="checkbox"/> 3.5mm - 13mm 1		
	<input type="checkbox"/> 40mm 1	<input type="checkbox"/> 3.5mm - 17mm 1		

Flanged Blind Rivets

Rivet Diameter (D)	Length (L)	Grip Range	Body Material (Body / Mandrel)	Finish (Body / Mandrel)
<input type="checkbox"/> 3.2mm 15	<input type="checkbox"/> 22mm 2	<input type="checkbox"/> 4mm - 2mm 1	<input type="checkbox"/> Aluminium / Steel 36	<input type="checkbox"/> Matte Black / Matte Black 16
<input type="checkbox"/> 4mm 17	<input type="checkbox"/> 24mm 2	<input type="checkbox"/> 4.5mm - 5mm 1	<input type="checkbox"/> Stainless Steel (A2) / Stainless Steel (A2) 32	<input type="checkbox"/> Natural / Clear & Zinc Passivated 36
<input type="checkbox"/> 4.8mm 43	<input type="checkbox"/> 25mm 3	<input type="checkbox"/> 4.5mm - 24.5mm 1	<input type="checkbox"/> Steel / Steel 7	<input type="checkbox"/> Natural / Natural 16
	<input type="checkbox"/> 26mm 2	<input type="checkbox"/> 5mm - 12mm 1		<input type="checkbox"/> Zinc & Clear Passivated / Zinc & Clear Passivated 7
	<input type="checkbox"/> 28mm 2	<input type="checkbox"/> 5mm - 19.5mm 1		
	<input type="checkbox"/> 30mm 2	<input type="checkbox"/> 6mm - 8mm 2		
	<input type="checkbox"/> 35mm 1	<input type="checkbox"/> 6.5mm - 6mm 2		
	<input type="checkbox"/> 40mm 1	<input type="checkbox"/> 6.5mm - 11.5mm 1		

BUTTON HEAD SOLID RIVETS



APPLICATIONS

Heating, Air Conditioning – Use our button head rivets for Blower Housings, Duct Joints, Hanger Straps, Louvres, Handles, Nameplates.

Button Head Solid Rivets

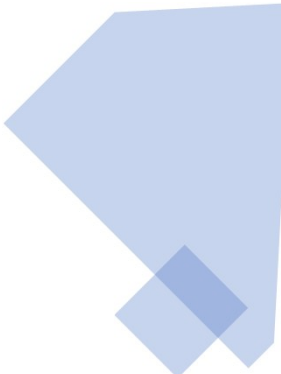
Max Rivet Diameter (R)	Length (L)	Grip Length	Material	Finish
<input type="checkbox"/> 2mm 40	<input type="checkbox"/> 6mm 18	<input type="checkbox"/> 1mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 122	<input type="checkbox"/> Matte Black 135
<input type="checkbox"/> 2.5mm 20	<input type="checkbox"/> 8mm 18	<input type="checkbox"/> 2mm 8	<input type="checkbox"/> Stainless Steel (A2) 148	<input type="checkbox"/> Natural 135
<input type="checkbox"/> 3mm 40	<input type="checkbox"/> 10mm 22	<input type="checkbox"/> 2.5mm 6		
<input type="checkbox"/> 4mm 60	<input type="checkbox"/> 12mm 22	<input type="checkbox"/> 3mm 8		
<input type="checkbox"/> 5mm 54	<input type="checkbox"/> 14mm 22	<input type="checkbox"/> 4mm 14		
<input type="checkbox"/> 6mm 56	<input type="checkbox"/> 16mm 22	<input type="checkbox"/> 4.5mm 12		
	<input type="checkbox"/> 18mm 22	<input type="checkbox"/> 5.5mm 8		
	<input type="checkbox"/> 20mm 22	<input type="checkbox"/> 6mm 10		

Button Head Solid Rivets

Max Rivet Diameter (R)	Length (L)	Grip Length	Material	Finish
<input type="checkbox"/> 2mm 40	<input type="checkbox"/> 25mm 22	<input type="checkbox"/> 12.5mm 6	<input type="checkbox"/> Marine Stainless Steel (A4) 122	<input type="checkbox"/> Matte Black 135
<input type="checkbox"/> 2.5mm 20	<input type="checkbox"/> 28mm 10	<input type="checkbox"/> 13mm 12	<input type="checkbox"/> Stainless Steel (A2) 148	<input type="checkbox"/> Natural 135
<input type="checkbox"/> 3mm 40	<input type="checkbox"/> 30mm 12	<input type="checkbox"/> 14mm 14		
<input type="checkbox"/> 4mm 60	<input type="checkbox"/> 35mm 12	<input type="checkbox"/> 15mm 4		
<input type="checkbox"/> 5mm 54	<input type="checkbox"/> 40mm 10	<input type="checkbox"/> 16mm 14		
<input type="checkbox"/> 6mm 56	<input type="checkbox"/> 45mm 6	<input type="checkbox"/> 17mm 8		
	<input type="checkbox"/> 50mm 6	<input type="checkbox"/> 18mm 14		
	<input type="checkbox"/> 60mm 2	<input type="checkbox"/> 19mm 2		

Button Head Solid Rivets

Max Rivet Diameter (R)	Length (L)	Grip Length	Material	Finish
<input type="checkbox"/> 2mm 40	<input type="checkbox"/> 20mm 22	<input type="checkbox"/> 6.5mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 122	<input type="checkbox"/> Matte Black 135
<input type="checkbox"/> 2.5mm 20	<input type="checkbox"/> 22mm 22	<input type="checkbox"/> 7mm 4	<input type="checkbox"/> Stainless Steel (A2) 148	<input type="checkbox"/> Natural 135
<input type="checkbox"/> 3mm 40	<input type="checkbox"/> 25mm 22	<input type="checkbox"/> 7.5mm 14		
<input type="checkbox"/> 4mm 60	<input type="checkbox"/> 28mm 10	<input type="checkbox"/> 8mm 4		
<input type="checkbox"/> 5mm 54	<input type="checkbox"/> 30mm 12	<input type="checkbox"/> 9mm 10		
<input type="checkbox"/> 6mm 56	<input type="checkbox"/> 35mm 12	<input type="checkbox"/> 9.5mm 12		
	<input type="checkbox"/> 40mm 10	<input type="checkbox"/> 11mm 22		
	<input type="checkbox"/> 45mm 6	<input type="checkbox"/> 12mm 4		



Button Head Solid Rivets

Max Rivet Diameter (R)	Length (L)	Grip Length	Material	Finish
<input type="checkbox"/> 2mm 40	<input type="checkbox"/> 25mm 22	<input type="checkbox"/> 25mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 122	<input type="checkbox"/> Matte Black 135
<input type="checkbox"/> 2.5mm 20	<input type="checkbox"/> 28mm 10	<input type="checkbox"/> 26mm 4	<input type="checkbox"/> Stainless Steel (A2) 148	<input type="checkbox"/> Natural 135
<input type="checkbox"/> 3mm 40	<input type="checkbox"/> 30mm 12	<input type="checkbox"/> 30mm 2		
<input type="checkbox"/> 4mm 60	<input type="checkbox"/> 35mm 12	<input type="checkbox"/> 32mm 8		
<input type="checkbox"/> 5mm 54	<input type="checkbox"/> 40mm 10	<input type="checkbox"/> 34mm 2		
<input type="checkbox"/> 6mm 56	<input type="checkbox"/> 45mm 6	<input type="checkbox"/> 35mm 4		
	<input type="checkbox"/> 50mm 6	<input type="checkbox"/> 38mm 6		
	<input type="checkbox"/> 60mm 2	<input type="checkbox"/> 42mm 2		

Button Head Solid Rivets

Max Rivet Diameter (R)	Length (L)	Grip Length	Material	Finish
<input type="checkbox"/> 2mm 40	<input type="checkbox"/> 25mm 22	<input type="checkbox"/> 19mm 2	<input type="checkbox"/> Marine Stainless Steel (A4) 122	<input type="checkbox"/> Matte Black 135
<input type="checkbox"/> 2.5mm 20	<input type="checkbox"/> 28mm 10	<input type="checkbox"/> 20mm 8	<input type="checkbox"/> Stainless Steel (A2) 148	<input type="checkbox"/> Natural 135
<input type="checkbox"/> 3mm 40	<input type="checkbox"/> 30mm 12	<input type="checkbox"/> 21mm 4		
<input type="checkbox"/> 4mm 60	<input type="checkbox"/> 35mm 12	<input type="checkbox"/> 22mm 4		
<input type="checkbox"/> 5mm 54	<input type="checkbox"/> 40mm 10	<input type="checkbox"/> 24mm 4		
<input type="checkbox"/> 6mm 56	<input type="checkbox"/> 45mm 6	<input type="checkbox"/> 25mm 4		
	<input type="checkbox"/> 50mm 6	<input type="checkbox"/> 26mm 4		
	<input type="checkbox"/> 60mm 2	<input type="checkbox"/> 30mm 2		



HAMMER DRIVE ROUND HEAD FASTENERS



APPLICATIONS

Hammer drive screws are commonly used for attaching nameplates, wall signs, and other similar applications. Drive screws feature round, un-slotted heads, multiple start threads with large helical angles, and an un-threaded pilot point.



Thread Size	Thread Length (L)	Nose Diameter (Max) (T)	Material	Finish
<input type="checkbox"/> No.00 (0.060 inch) 10	<input type="checkbox"/> 1/2 inch 12.7mm 12	<input type="checkbox"/> 0.049 inch 1.245mm 10	<input type="checkbox"/> Stainless Steel (A2) 67	<input type="checkbox"/> Matte Black 33
<input type="checkbox"/> No.0 (0.075 inch) 10	<input type="checkbox"/> 1/4 inch 6.35mm 12	<input type="checkbox"/> 0.063 inch 1.6mm 10		<input type="checkbox"/> Natural 34
<input type="checkbox"/> No.2 (0.100 inch) 12	<input type="checkbox"/> 1/8 inch 3.175mm 6	<input type="checkbox"/> 0.083 inch 2.108mm 12		
<input type="checkbox"/> No.4 (0.116 inch) 8	<input type="checkbox"/> 3/4 inch 19.05mm 1	<input type="checkbox"/> 0.096 inch 2.438mm 8		
<input type="checkbox"/> No.6 (0.140 inch) 11	<input type="checkbox"/> 3/8 inch 9.525mm 14	<input type="checkbox"/> 0.116 inch 2.946mm 11		
<input type="checkbox"/> No.8 (0.167 inch) 8	<input type="checkbox"/> 3/16 inch 4.763mm 8	<input type="checkbox"/> 0.136 inch 3.454mm 8		
<input type="checkbox"/> No.10 (0.182 inch) 4	<input type="checkbox"/> 5/8 inch 15.875mm 2	<input type="checkbox"/> 0.150 inch 3.81mm 4		
<input type="checkbox"/> No.12 (0.212 inch) 2	<input type="checkbox"/> 5/16 inch 7.938mm 12	<input type="checkbox"/> 0.177 inch 4.496mm 2		

Thread Size	Thread Length (L)	Nose Diameter (Max) (T)	Material	Finish
<input type="checkbox"/> No.0 (0.075 inch) 10	<input type="checkbox"/> 1/2 inch 12.7mm 12	<input type="checkbox"/> 0.049 inch 1.245mm 10	<input type="checkbox"/> Stainless Steel (A2) 67	<input type="checkbox"/> Matte Black 33
<input type="checkbox"/> No.2 (0.100 inch) 12	<input type="checkbox"/> 1/4 inch 6.35mm 12	<input type="checkbox"/> 0.063 inch 1.6mm 10		<input type="checkbox"/> Natural 34
<input type="checkbox"/> No.4 (0.116 inch) 8	<input type="checkbox"/> 1/8 inch 3.175mm 6	<input type="checkbox"/> 0.083 inch 2.108mm 12		
<input type="checkbox"/> No.6 (0.140 inch) 11	<input type="checkbox"/> 3/4 inch 19.05mm 1	<input type="checkbox"/> 0.096 inch 2.438mm 8		
<input type="checkbox"/> No.8 (0.167 inch) 8	<input type="checkbox"/> 3/8 inch 9.525mm 14	<input type="checkbox"/> 0.116 inch 2.946mm 11		
<input type="checkbox"/> No.10 (0.182 inch) 4	<input type="checkbox"/> 3/16 inch 4.763mm 8	<input type="checkbox"/> 0.136 inch 3.454mm 8		
<input type="checkbox"/> No.12 (0.212 inch) 2	<input type="checkbox"/> 5/8 inch 15.875mm 2	<input type="checkbox"/> 0.150 inch 3.81mm 4		
<input type="checkbox"/> No.14 (0.242 inch) 2	<input type="checkbox"/> 5/16 inch 7.938mm 12	<input type="checkbox"/> 0.177 inch 4.496mm 2		



COUNTERSUNK SOLID RIVETS



APPLICATIONS

Rivets which use mechanical force on parts to join the parts together permanently. The process of joining these parts together is riveting. Solid rivets are used in applications where **reliability and safety count**. A typical application for solid rivets can be found within the structural parts of aircraft.

Countersunk Solid Rivets

Max Rivet Diameter (R)	Length (L)	Grip Length	Material	Finish
<input type="checkbox"/> 2mm 20	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 3.5mm 2	<input type="checkbox"/> Stainless Steel (A2) 120	<input type="checkbox"/> Matte Black 60
<input type="checkbox"/> 3mm 20	<input type="checkbox"/> 8mm 8	<input type="checkbox"/> 4mm 4		<input type="checkbox"/> Natural 60
<input type="checkbox"/> 4mm 26	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 5mm 2		
<input type="checkbox"/> 5mm 26	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> 5.5mm 2		
<input type="checkbox"/> 6mm 28	<input type="checkbox"/> 14mm 10	<input type="checkbox"/> 6mm 4		
	<input type="checkbox"/> 16mm 10	<input type="checkbox"/> 6.5mm 2		
	<input type="checkbox"/> 18mm 10	<input type="checkbox"/> 7mm 4		
	<input type="checkbox"/> 20mm 10	<input type="checkbox"/> 7.5mm 4		

Countersunk Solid Rivets

Max Rivet Diameter (R)	Length (L)	Grip Length	Material	Finish
<input type="checkbox"/> 2mm 20	<input type="checkbox"/> 22mm 10	<input type="checkbox"/> 8.5mm 2	<input type="checkbox"/> Stainless Steel (A2) 120	<input type="checkbox"/> Matte Black 60
<input type="checkbox"/> 3mm 20	<input type="checkbox"/> 25mm 10	<input type="checkbox"/> 9mm 4		<input type="checkbox"/> Natural 60
<input type="checkbox"/> 4mm 26	<input type="checkbox"/> 28mm 6	<input type="checkbox"/> 9.5mm 4		
<input type="checkbox"/> 5mm 26	<input type="checkbox"/> 30mm 6	<input type="checkbox"/> 10mm 4		
<input type="checkbox"/> 6mm 28	<input type="checkbox"/> 35mm 6	<input type="checkbox"/> 10.5mm 6		
	<input type="checkbox"/> 40mm 4	<input type="checkbox"/> 11.5mm 2		
	<input type="checkbox"/> 45mm 2	<input type="checkbox"/> 12mm 8		
	<input type="checkbox"/> 50mm 2	<input type="checkbox"/> 13mm 4		

HAMMER DRIVE ROUND HEAD FASTENERS



APPLICATIONS

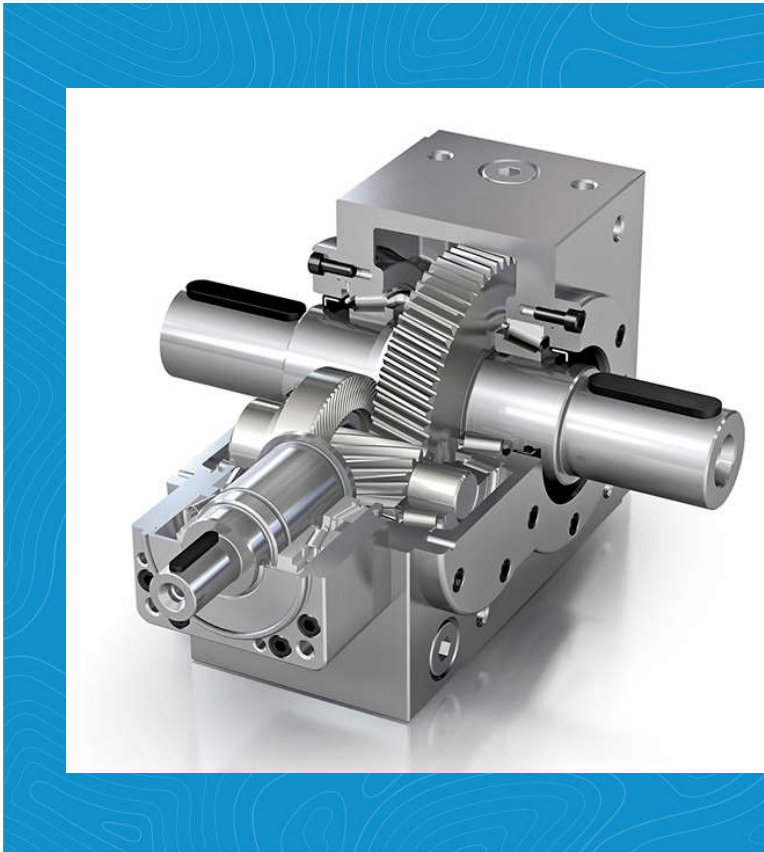
Hammer drive screws are commonly used for attaching nameplates, wall signs, and other similar applications. Drive screws feature round, un-slotted heads, multiple start threads with large helical angles, and an un-threaded pilot point.

Thread Size	Thread Length (L)	Nose Diameter (Max) (T)	Material	Finish
<input type="checkbox"/> No.00 (0.060 inch) 10	<input type="checkbox"/> 1/2 inch 12.7mm 12	<input type="checkbox"/> 0.049 inch 1.245mm 10	<input type="checkbox"/> Stainless Steel (A2) 67	<input type="checkbox"/> Matte Black 33
<input type="checkbox"/> No.0 (0.075 inch) 10	<input type="checkbox"/> 1/4 inch 6.35mm 12	<input type="checkbox"/> 0.063 inch 1.6mm 10		<input type="checkbox"/> Natural 34
<input type="checkbox"/> No.2 (0.100 inch) 12	<input type="checkbox"/> 1/8 inch 3.175mm 6	<input type="checkbox"/> 0.083 inch 2.108mm 12		
<input type="checkbox"/> No.4 (0.116 inch) 8	<input type="checkbox"/> 3/4 inch 19.05mm 1	<input type="checkbox"/> 0.096 inch 2.438mm 8		
<input type="checkbox"/> No.6 (0.140 inch) 11	<input type="checkbox"/> 3/8 inch 9.525mm 14	<input type="checkbox"/> 0.116 inch 2.946mm 11		
<input type="checkbox"/> No.8 (0.167 inch) 8	<input type="checkbox"/> 3/16 inch 4.763mm 8	<input type="checkbox"/> 0.136 inch 3.454mm 8		
<input type="checkbox"/> No.10 (0.182 inch) 4	<input type="checkbox"/> 5/8 inch 15.875mm 2	<input type="checkbox"/> 0.150 inch 3.81mm 4		
<input type="checkbox"/> No.12 (0.212 inch) 2	<input type="checkbox"/> 5/16 inch 7.938mm 12	<input type="checkbox"/> 0.177 inch 4.496mm 2		

Thread Size	Thread Length (L)	Nose Diameter (Max) (T)	Material	Finish
<input type="checkbox"/> No.0 (0.075 inch) 10	<input type="checkbox"/> 1/2 inch 12.7mm 12	<input type="checkbox"/> 0.049 inch 1.245mm 10	<input type="checkbox"/> Stainless Steel (A2) 67	<input type="checkbox"/> Matte Black 33
<input type="checkbox"/> No.2 (0.100 inch) 12	<input type="checkbox"/> 1/4 inch 6.35mm 12	<input type="checkbox"/> 0.063 inch 1.6mm 10		<input type="checkbox"/> Natural 34
<input type="checkbox"/> No.4 (0.116 inch) 8	<input type="checkbox"/> 1/8 inch 3.175mm 6	<input type="checkbox"/> 0.083 inch 2.108mm 12		
<input type="checkbox"/> No.6 (0.140 inch) 11	<input type="checkbox"/> 3/4 inch 19.05mm 1	<input type="checkbox"/> 0.096 inch 2.438mm 8		
<input type="checkbox"/> No.8 (0.167 inch) 8	<input type="checkbox"/> 3/8 inch 9.525mm 14	<input type="checkbox"/> 0.116 inch 2.946mm 11		
<input type="checkbox"/> No.10 (0.182 inch) 4	<input type="checkbox"/> 3/16 inch 4.763mm 8	<input type="checkbox"/> 0.136 inch 3.454mm 8		
<input type="checkbox"/> No.12 (0.212 inch) 2	<input type="checkbox"/> 5/8 inch 15.875mm 2	<input type="checkbox"/> 0.150 inch 3.81mm 4		
<input type="checkbox"/> No.14 (0.242 inch) 2	<input type="checkbox"/> 5/16 inch 7.938mm 12	<input type="checkbox"/> 0.177 inch 4.496mm 2		



PULLEYS, GEARS & ROTARY COMPONENTS



APPLICATIONS

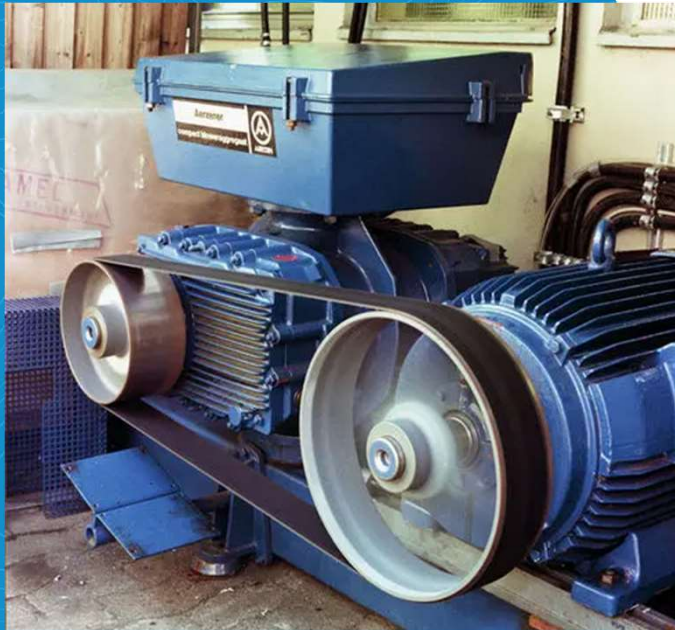
PULLEYS

- Automotive engines such as **cars, trucks, buses**
- Stationary Power Generators
- Marine Engines
- Air compressor engines, etc.

GEARS

- Pumps Power plants
- Material handling systems
- Aerospace and aircraft
- Railways

PULLEYS, GEARS & ROTARY COMPONENTS IN CATALOGUE



177. SPUR GEARS

181. 3M HD TIMING PULLEYS

183. T2.5 TIMING PULLEYS

185. 5M HTD TIMING PULLEYS

187. 8M HTD TIMING PULLEYS

189. AT10 TIMING PULLEYS

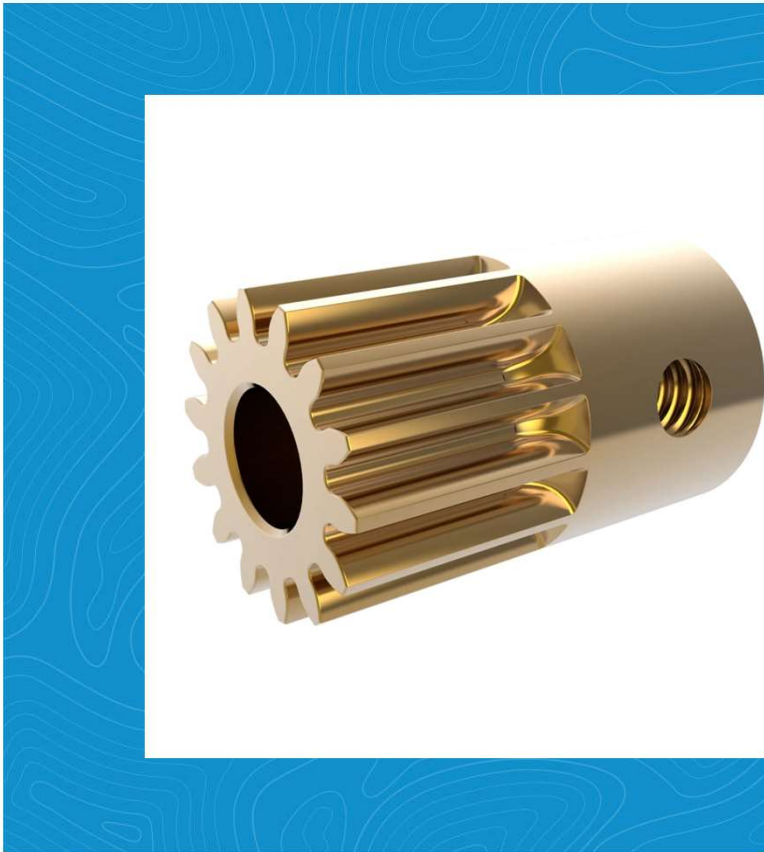
191. INTERNAL GEARS

193. BACKLASH CONTROL SPUR GEARS

195. ADJUSTING RINGS

197. PARALLEL KEYS

SPUR GEARS



APPLICATIONS

Examples of high-speed applications that use spur gears – despite their high noise levels – include **consumer appliances such as washing machines and blenders**. They are often used in aircraft engines, trains, and even bicycles. They are quite reliable and offer constant velocity. Other mechanical applications, include **clocks, electric screwdrivers, pumps, material handling equipment, power plant machinery, etc.**

Spur Gears

Pitch	Number of teeth	Pitch Circle Dia. (PCD)	Bore Diameter (B)	Material Specification
<input type="checkbox"/> 0.3 MOD 29	<input type="checkbox"/> 10 2	<input type="checkbox"/> 4.2mm 1	<input type="checkbox"/> 2mm 11	<input type="checkbox"/> Brass, CuZn38Pb2/CuZn39Pb3 190
<input type="checkbox"/> 0.5 MOD 64	<input type="checkbox"/> 12 2	<input type="checkbox"/> 4.5mm 1	<input type="checkbox"/> 3mm 55	
<input type="checkbox"/> 0.8 MOD 31	<input type="checkbox"/> 14 4	<input type="checkbox"/> 4.8mm 1	<input type="checkbox"/> 4mm 8	
<input type="checkbox"/> 0.75 MOD 66	<input type="checkbox"/> 15 4	<input type="checkbox"/> 5mm 1	<input type="checkbox"/> 5mm 16	
	<input type="checkbox"/> 16 6	<input type="checkbox"/> 5.4mm 1	<input type="checkbox"/> 6mm 43	
	<input type="checkbox"/> 18 6	<input type="checkbox"/> 6mm 2	<input type="checkbox"/> 8mm 27	
	<input type="checkbox"/> 20 7	<input type="checkbox"/> 7mm 1	<input type="checkbox"/> 12mm 3	
	<input type="checkbox"/> 24 5	<input type="checkbox"/> 7.2mm 1	<input type="checkbox"/> 15mm 22	

Spur Gears

Pitch	Number of teeth	Pitch Circle Dia. (PCD)	Bore Diameter (B)	Material Specification
<input type="checkbox"/> 0.3 MOD 29	<input type="checkbox"/> 25 5	<input type="checkbox"/> 7.2mm 1	<input type="checkbox"/> 3mm 55	<input type="checkbox"/> Brass, CuZn38Pb2/CuZn39Pb3 190
<input type="checkbox"/> 0.5 MOD 64	<input type="checkbox"/> 26 2	<input type="checkbox"/> 7.5mm 3	<input type="checkbox"/> 4mm 8	
<input type="checkbox"/> 0.8 MOD 31	<input type="checkbox"/> 28 5	<input type="checkbox"/> 8mm 1	<input type="checkbox"/> 5mm 16	
<input type="checkbox"/> 0.75 MOD 66	<input type="checkbox"/> 30 5	<input type="checkbox"/> 8.4mm 1	<input type="checkbox"/> 6mm 43	
	<input type="checkbox"/> 32 4	<input type="checkbox"/> 9mm 3	<input type="checkbox"/> 8mm 27	
	<input type="checkbox"/> 35 3	<input type="checkbox"/> 9.6mm 1	<input type="checkbox"/> 12mm 3	
	<input type="checkbox"/> 36 4	<input type="checkbox"/> 10mm 2	<input type="checkbox"/> 15mm 22	
	<input type="checkbox"/> 40 5	<input type="checkbox"/> 10.5mm 2	<input type="checkbox"/> No Bore 5	

Spur Gears

Pitch	Number of teeth	Pitch Circle Dia. (PCD)	Bore Diameter (B)	Material Specification
<input type="checkbox"/> 0.3 MOD 29	<input type="checkbox"/> 42 3	<input type="checkbox"/> 10.8mm 1	<input type="checkbox"/> 3mm 55	<input type="checkbox"/> Brass, CuZn38Pb2/CuZn39Pb3 190
<input type="checkbox"/> 0.5 MOD 64	<input type="checkbox"/> 45 5	<input type="checkbox"/> 11.2mm 1	<input type="checkbox"/> 4mm 8	
<input type="checkbox"/> 0.8 MOD 31	<input type="checkbox"/> 48 5	<input type="checkbox"/> 11.25mm 1	<input type="checkbox"/> 5mm 16	
<input type="checkbox"/> 0.75 MOD 66	<input type="checkbox"/> 50 6	<input type="checkbox"/> 12mm 5	<input type="checkbox"/> 6mm 43	
	<input type="checkbox"/> 55 4	<input type="checkbox"/> 12.5mm 1	<input type="checkbox"/> 8mm 27	
	<input type="checkbox"/> 56 6	<input type="checkbox"/> 12.8mm 2	<input type="checkbox"/> 12mm 3	
	<input type="checkbox"/> 58 4	<input type="checkbox"/> 13mm 1	<input type="checkbox"/> 15mm 22	
	<input type="checkbox"/> 60 6	<input type="checkbox"/> 13.5mm 3	<input type="checkbox"/> No Bore 5	

Spur Gears

Pitch	Number of teeth	Pitch Circle Dia. (PCD)	Bore Diameter (B)	Material Specification
<input type="checkbox"/> 0.3 MOD 29	<input type="checkbox"/> 62 4	<input type="checkbox"/> 14mm 1	<input type="checkbox"/> 3mm 55	<input type="checkbox"/> Brass, CuZn38Pb2/CuZn39Pb3 190
<input type="checkbox"/> 0.5 MOD 64	<input type="checkbox"/> 64 6	<input type="checkbox"/> 14.4mm 3	<input type="checkbox"/> 4mm 8	
<input type="checkbox"/> 0.8 MOD 31	<input type="checkbox"/> 65 4	<input type="checkbox"/> 15mm 4	<input type="checkbox"/> 5mm 16	
<input type="checkbox"/> 0.75 MOD 66	<input type="checkbox"/> 66 3	<input type="checkbox"/> 16mm 3	<input type="checkbox"/> 6mm 43	
	<input type="checkbox"/> 68 4	<input type="checkbox"/> 16.8mm 1	<input type="checkbox"/> 8mm 27	
	<input type="checkbox"/> 70 6	<input type="checkbox"/> 17.5mm 1	<input type="checkbox"/> 12mm 3	
	<input type="checkbox"/> 72 6	<input type="checkbox"/> 18mm 3	<input type="checkbox"/> 15mm 22	
	<input type="checkbox"/> 75 5	<input type="checkbox"/> 18.75mm 1	<input type="checkbox"/> No Bore 5	

Spur Gears

Pitch	Number of teeth	Pitch Circle Dia. (PCD)	Bore Diameter (B)	Material Specification
<input type="checkbox"/> 0.3 MOD 29	<input type="checkbox"/> 80 6	<input type="checkbox"/> 19.2mm 3	<input type="checkbox"/> 3mm 55	<input type="checkbox"/> Brass, CuZn38Pb2/CuZn39Pb3 190
<input type="checkbox"/> 0.5 MOD 64	<input type="checkbox"/> 84 2	<input type="checkbox"/> 19.5mm 1	<input type="checkbox"/> 4mm 8	
<input type="checkbox"/> 0.8 MOD 31	<input type="checkbox"/> 85 4	<input type="checkbox"/> 19.8mm 1	<input type="checkbox"/> 5mm 16	
<input type="checkbox"/> 0.75 MOD 66	<input type="checkbox"/> 90 6	<input type="checkbox"/> 20mm 4	<input type="checkbox"/> 6mm 43	
	<input type="checkbox"/> 95 4	<input type="checkbox"/> 21mm 4	<input type="checkbox"/> 8mm 27	
	<input type="checkbox"/> 96 1	<input type="checkbox"/> 21.6mm 1	<input type="checkbox"/> 12mm 3	
	<input type="checkbox"/> 100 6	<input type="checkbox"/> 22.4mm 2	<input type="checkbox"/> 15mm 22	
	<input type="checkbox"/> 105 4	<input type="checkbox"/> 22.5mm 4	<input type="checkbox"/> No Bore 5	

Spur Gears

Pitch	Number of teeth	Pitch Circle Dia. (PCD)	Bore Diameter (B)	Material Specification
<input type="checkbox"/> 0.3 MOD 29	<input type="checkbox"/> 95 4	<input type="checkbox"/> 22.5mm 1	<input type="checkbox"/> 3mm 55	<input type="checkbox"/> Brass, CuZn38Pb2/CuZn39Pb3 190
<input type="checkbox"/> 0.5 MOD 64	<input type="checkbox"/> 96 1	<input type="checkbox"/> 24mm 6	<input type="checkbox"/> 4mm 8	
<input type="checkbox"/> 0.8 MOD 31	<input type="checkbox"/> 100 6	<input type="checkbox"/> 25mm 2	<input type="checkbox"/> 5mm 16	
<input type="checkbox"/> 0.75 MOD 66	<input type="checkbox"/> 105 4	<input type="checkbox"/> 25.6mm 1	<input type="checkbox"/> 6mm 43	
	<input type="checkbox"/> 108 1	<input type="checkbox"/> 26.25mm 1	<input type="checkbox"/> 8mm 27	
	<input type="checkbox"/> 110 4	<input type="checkbox"/> 27mm 2	<input type="checkbox"/> 12mm 3	
	<input type="checkbox"/> 115 2	<input type="checkbox"/> 27.5mm 2	<input type="checkbox"/> 15mm 22	
	<input type="checkbox"/> 120 4	<input type="checkbox"/> 28mm 2	<input type="checkbox"/> No Bore 5	
		<input type="checkbox"/> 28.8mm 2		

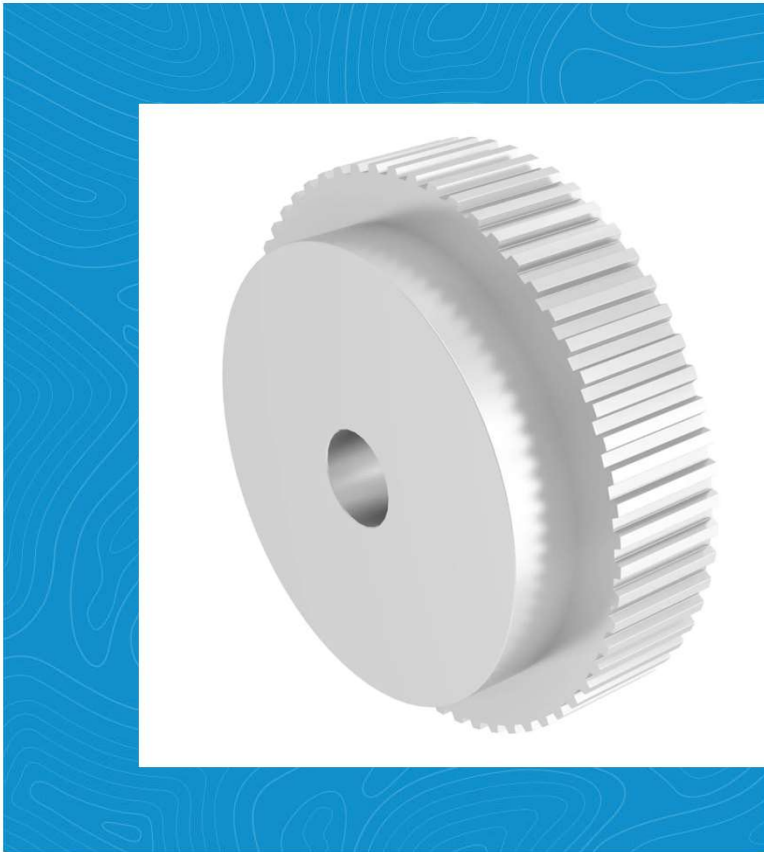
Spur Gears

Pitch	Number of teeth	Pitch Circle Dia. (PCD)	Bore Diameter (B)	Material Specification
<input type="checkbox"/> 0.3 MOD 29	<input type="checkbox"/> 95 4	<input type="checkbox"/> 28.8111mm 2	<input type="checkbox"/> 3mm 55	<input type="checkbox"/> Brass, CuZn38Pb2/CuZn39Pb3 190
<input type="checkbox"/> 0.5 MOD 64	<input type="checkbox"/> 96 1	<input type="checkbox"/> 29mm 2	<input type="checkbox"/> 4mm 8	
<input type="checkbox"/> 0.8 MOD 31	<input type="checkbox"/> 100 6	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 5mm 16	
<input type="checkbox"/> 0.75 MOD 66	<input type="checkbox"/> 105 4	<input type="checkbox"/> 31mm 2	<input type="checkbox"/> 6mm 43	
	<input type="checkbox"/> 108 1	<input type="checkbox"/> 31.5mm 1	<input type="checkbox"/> 8mm 27	
	<input type="checkbox"/> 110 4	<input type="checkbox"/> 32mm 3	<input type="checkbox"/> 12mm 3	
	<input type="checkbox"/> 115 2	<input type="checkbox"/> 32.4mm 1	<input type="checkbox"/> 15mm 22	
	<input type="checkbox"/> 120 4	<input type="checkbox"/> 32.5mm 2	<input type="checkbox"/> No Bore 5	

Spur Gears

Pitch	Number of teeth	Pitch Circle Dia. (PCD)	Bore Diameter (B)	Material Specification
<input type="checkbox"/> 0.3 MOD 29	<input type="checkbox"/> 95 4	<input type="checkbox"/> 33.75mm 1	<input type="checkbox"/> 3mm 55	<input type="checkbox"/> Brass, CuZn38Pb2/CuZn39Pb3 190
<input type="checkbox"/> 0.5 MOD 64	<input type="checkbox"/> 96 1	<input type="checkbox"/> 34mm 2	<input type="checkbox"/> 4mm 8	
<input type="checkbox"/> 0.8 MOD 31	<input type="checkbox"/> 100 6	<input type="checkbox"/> 35mm 2	<input type="checkbox"/> 5mm 16	
<input type="checkbox"/> 0.75 MOD 66	<input type="checkbox"/> 105 4	<input type="checkbox"/> 36mm 5	<input type="checkbox"/> 6mm 43	
	<input type="checkbox"/> 108 1	<input type="checkbox"/> 37.5mm 4	<input type="checkbox"/> 8mm 27	
	<input type="checkbox"/> 110 4	<input type="checkbox"/> 38.4mm 1	<input type="checkbox"/> 12mm 3	
	<input type="checkbox"/> 115 2	<input type="checkbox"/> 40mm 3	<input type="checkbox"/> 15mm 22	
	<input type="checkbox"/> 120 4	<input type="checkbox"/> 41.25mm 2	<input type="checkbox"/> No Bore 5	

3M HD TIMING PULLEYS



APPLICATIONS

High Torque Drive (HTD) Belts have a parabolic tooth profile that enables increased surface area contact between the pulleys and the belts. Timing belt pulleys are utilized when two shafts need **to be precisely linked** for **homogeneous rotation**. Applications include:

- (1) Washing machines
- (2) Alternators in automobiles.
- (3) Flour mills.
- (4) Milling Machines, Drilling machine, etc.
- (5) Paper mills & Conveyors

3M HTD Timing Pulleys

Material	Belt Width	Pitch (P)	Number of teeth	PCD
<input type="checkbox"/> Aluminium 31	<input type="checkbox"/> 6mm 20 <input type="checkbox"/> 9mm 11	<input type="checkbox"/> 3mm 31	<input type="checkbox"/> 10 2 <input type="checkbox"/> 12 2 <input type="checkbox"/> 14 2 <input type="checkbox"/> 15 2 <input type="checkbox"/> 16 2 <input type="checkbox"/> 18 2 <input type="checkbox"/> 20 2 <input type="checkbox"/> 21 2	<input type="checkbox"/> 9.55mm 2 <input type="checkbox"/> 11.46mm 2 <input type="checkbox"/> 13.37mm 2 <input type="checkbox"/> 14.32mm 2 <input type="checkbox"/> 15.28mm 2 <input type="checkbox"/> 17.19mm 2 <input type="checkbox"/> 19.1mm 2 <input type="checkbox"/> 20.05mm 2

3M HTD Timing Pulleys

Material	Belt Width	Pitch (P)	Number of teeth	PCD
<input type="checkbox"/> Aluminium 31	<input type="checkbox"/> 6mm 20 <input type="checkbox"/> 9mm 11	<input type="checkbox"/> 3mm 31	<input type="checkbox"/> 22 1 <input type="checkbox"/> 24 1 <input type="checkbox"/> 26 1 <input type="checkbox"/> 28 1 <input type="checkbox"/> 30 1 <input type="checkbox"/> 32 2 <input type="checkbox"/> 36 2 <input type="checkbox"/> 40 1	<input type="checkbox"/> 21.01mm 1 <input type="checkbox"/> 22.92mm 1 <input type="checkbox"/> 24.83mm 1 <input type="checkbox"/> 26.74mm 1 <input type="checkbox"/> 28.65mm 1 <input type="checkbox"/> 30.56mm 2 <input type="checkbox"/> 34.38mm 2 <input type="checkbox"/> 38.2mm 1

3M HTD Timing Pulleys

Material	Belt Width	Pitch (P)	Number of teeth	PCD
<input type="checkbox"/> Aluminium 31	<input type="checkbox"/> 6mm 20 <input type="checkbox"/> 9mm 11	<input type="checkbox"/> 3mm 31	<input type="checkbox"/> 30 1 <input type="checkbox"/> 32 2 <input type="checkbox"/> 36 2 <input type="checkbox"/> 40 1 <input type="checkbox"/> 44 2 <input type="checkbox"/> 48 1 <input type="checkbox"/> 60 1 <input type="checkbox"/> 72 1	<input type="checkbox"/> 28.65mm 1 <input type="checkbox"/> 30.56mm 2 <input type="checkbox"/> 34.38mm 2 <input type="checkbox"/> 38.2mm 1 <input type="checkbox"/> 42.02mm 2 <input type="checkbox"/> 45.84mm 1 <input type="checkbox"/> 57.3mm 1 <input type="checkbox"/> 68.75mm 1

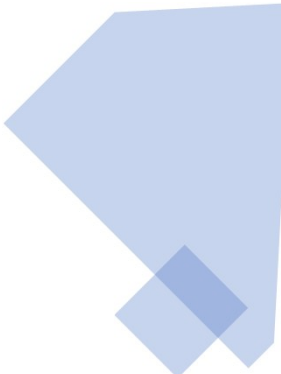
T2.5 TIMING PULLEYS



APPLICATIONS

High Torque Drive (HTD) Belts have a parabolic tooth profile that enables increased surface area contact between the pulleys and the belts. Timing belt pulleys are utilized when two shafts need **to be precisely linked** for **homogeneous rotation**. Applications include:

- (1) Washing machines
- (2) Alternators in automobiles.
- (3) Flour mills.
- (4) Milling Machines, Drilling machine, etc.
- (5) Paper mills & Conveyors



T2.5 Timing Pulleys

Pitch (P)	Number of teeth	PCD	Belt Width	Material
<input type="checkbox"/> 2.5mm	<input type="checkbox"/> 24 <input type="checkbox"/> 25 <input type="checkbox"/> 26 <input type="checkbox"/> 28 <input type="checkbox"/> 30 <input type="checkbox"/> 32 <input type="checkbox"/> 36 <input type="checkbox"/> 40	<input type="checkbox"/> 19.1mm <input type="checkbox"/> 19.89mm <input type="checkbox"/> 20.69mm <input type="checkbox"/> 22.28mm <input type="checkbox"/> 23.87mm <input type="checkbox"/> 25.46mm <input type="checkbox"/> 28.65mm <input type="checkbox"/> 31.83mm	<input type="checkbox"/> 6mm	<input type="checkbox"/> Aluminium

T2.5 Timing Pulleys

Pitch (P)	Number of teeth	PCD	Belt Width	Material
<input type="checkbox"/> 2.5mm	<input type="checkbox"/> 28 <input type="checkbox"/> 30 <input type="checkbox"/> 32 <input type="checkbox"/> 36 <input type="checkbox"/> 40 <input type="checkbox"/> 44 <input type="checkbox"/> 48 <input type="checkbox"/> 60	<input type="checkbox"/> 22.28mm <input type="checkbox"/> 23.87mm <input type="checkbox"/> 25.46mm <input type="checkbox"/> 28.65mm <input type="checkbox"/> 31.83mm <input type="checkbox"/> 35.01mm <input type="checkbox"/> 38.2mm <input type="checkbox"/> 47.75mm	<input type="checkbox"/> 6mm	<input type="checkbox"/> Aluminium



5M HTD TIMING PULLEYS



APPLICATIONS

High Torque Drive (HTD) Belts have a parabolic tooth profile that enables increased surface area contact between the pulleys and the belts. Timing belt pulleys are utilized **when two shafts need to be precisely linked for homogeneous rotation.** Belt

Drives are used in the following applications:

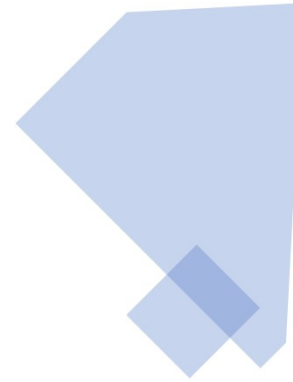
- (1) Washing machines
- (2) Alternators in automobiles.
- (3) Milling Machines, Drilling machine, etc.
- (4) Paper mills & Conveyors

5M HTD Timing Pulleys

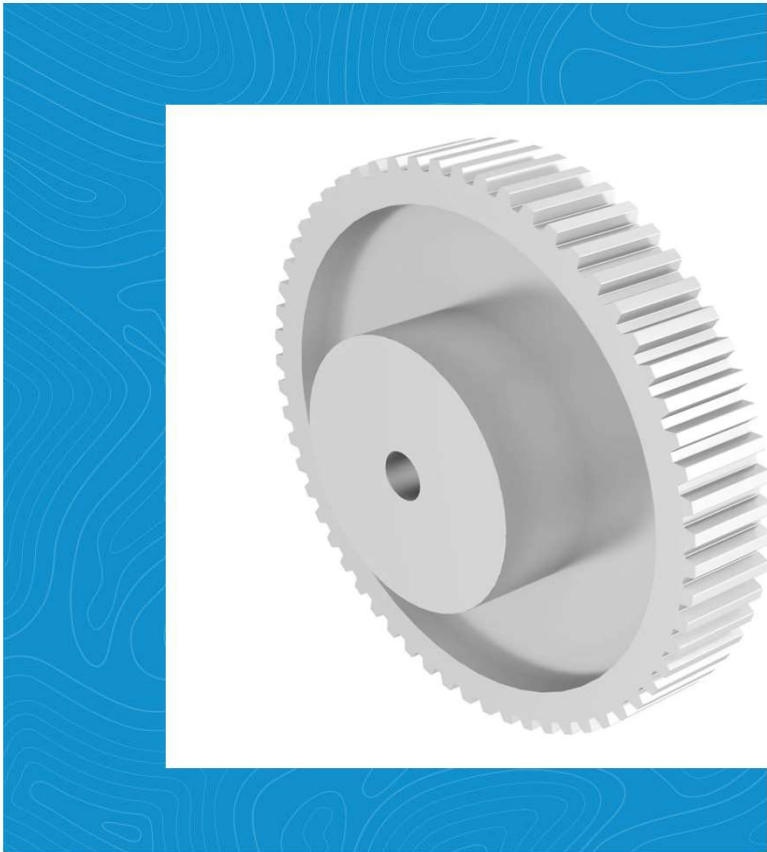
Pitch (P)	Number of teeth	PCD	Belt Width	Bore Diameter (B)
<input type="checkbox"/> 5mm 43	<input type="checkbox"/> 12 1	<input type="checkbox"/> 19.1mm 1	<input type="checkbox"/> 9mm 15	<input type="checkbox"/> 4mm 1
	<input type="checkbox"/> 14 3	<input type="checkbox"/> 22.28mm 3	<input type="checkbox"/> 15mm 14	<input type="checkbox"/> 6mm 33
	<input type="checkbox"/> 15 3	<input type="checkbox"/> 23.87mm 3	<input type="checkbox"/> 25mm 14	<input type="checkbox"/> 8mm 9
	<input type="checkbox"/> 16 3	<input type="checkbox"/> 25.46mm 3		
	<input type="checkbox"/> 18 3	<input type="checkbox"/> 28.65mm 3		
	<input type="checkbox"/> 20 3	<input type="checkbox"/> 31.83mm 3		
	<input type="checkbox"/> 21 3	<input type="checkbox"/> 33.42mm 3		
	<input type="checkbox"/> 22 3	<input type="checkbox"/> 35.01mm 3		

5M HTD Timing Pulleys

Pitch (P)	Number of teeth	PCD	Belt Width	Bore Diameter (B)
<input type="checkbox"/> 5mm 43	<input type="checkbox"/> 22 3	<input type="checkbox"/> 35.01mm 3	<input type="checkbox"/> 9mm 15	<input type="checkbox"/> 4mm 1
	<input type="checkbox"/> 24 3	<input type="checkbox"/> 38.2mm 3	<input type="checkbox"/> 15mm 14	<input type="checkbox"/> 6mm 33
	<input type="checkbox"/> 26 3	<input type="checkbox"/> 41.38mm 3	<input type="checkbox"/> 25mm 14	<input type="checkbox"/> 8mm 9
	<input type="checkbox"/> 28 3	<input type="checkbox"/> 44.56mm 3		
	<input type="checkbox"/> 30 3	<input type="checkbox"/> 47.75mm 3		
	<input type="checkbox"/> 32 3	<input type="checkbox"/> 50.93mm 3		
	<input type="checkbox"/> 36 3	<input type="checkbox"/> 57.3mm 3		
	<input type="checkbox"/> 40 3	<input type="checkbox"/> 63.66mm 3		



8M HTD TIMING PULLEYS



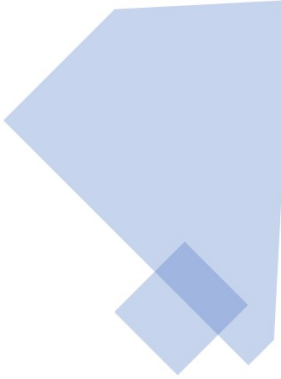
APPLICATIONS

High Torque Drive (HTD) Belts have a parabolic tooth profile that enables increased surface area contact between the pulleys and the belts. Timing belt pulleys are utilized **when two shafts need to be precisely linked for homogeneous rotation.** They are used in the following applications:

- (1) Washing machines to transfer power from the motor shaft to the drum shaft.
- (2) Alternators in automobiles
- (3) Milling Machines, Drilling machine, etc.
- (4) Paper mills & Conveyors, etc.

8M HTD Timing Pulleys

Pitch (P)	Number of teeth	PCD	Belt Width	Bore Diameter (B)
<input type="checkbox"/> 8mm 84	<input type="checkbox"/> 22 4	<input type="checkbox"/> 56.02mm 4	<input type="checkbox"/> 20mm 21	<input type="checkbox"/> 12mm 6
	<input type="checkbox"/> 24 4	<input type="checkbox"/> 61.12mm 4	<input type="checkbox"/> 30mm 21	<input type="checkbox"/> 15mm 28
	<input type="checkbox"/> 26 4	<input type="checkbox"/> 66.21mm 4	<input type="checkbox"/> 50mm 21	<input type="checkbox"/> 18mm 8
	<input type="checkbox"/> 28 4	<input type="checkbox"/> 71.3mm 4	<input type="checkbox"/> 85mm 21	<input type="checkbox"/> 20mm 14
	<input type="checkbox"/> 30 4	<input type="checkbox"/> 76.39mm 4		<input type="checkbox"/> 24mm 4
	<input type="checkbox"/> 32 4	<input type="checkbox"/> 81.49mm 4		
	<input type="checkbox"/> 34 4	<input type="checkbox"/> 86.58mm 4		
	<input type="checkbox"/> 36 4	<input type="checkbox"/> 91.67mm 4		



AT10 TIMING PULLEYS



APPLICATIONS

The AT10 timing pulleys are designed for all types of AT10 polyurethane belts with pitch 10.0 mm. They are typically used in **machine tools, packaging machines, printers, single-purpose machines, in the food, paper and glass industry and many other industries.**

AT10 Timing Pulleys

Pitch (P)	Number of teeth	PCD	Belt Width	Material
<input type="checkbox"/> 10mm 68	<input type="checkbox"/> 15 2 <input type="checkbox"/> 16 2 <input type="checkbox"/> 18 4 <input type="checkbox"/> 19 4 <input type="checkbox"/> 20 4 <input type="checkbox"/> 22 4 <input type="checkbox"/> 24 4 <input type="checkbox"/> 25 4	<input type="checkbox"/> 47.75mm 2 <input type="checkbox"/> 50.93mm 2 <input type="checkbox"/> 57.3mm 4 <input type="checkbox"/> 60.48mm 4 <input type="checkbox"/> 63.66mm 4 <input type="checkbox"/> 70.03mm 4 <input type="checkbox"/> 76.39mm 4 <input type="checkbox"/> 79.58mm 4	<input type="checkbox"/> 16mm 18 <input type="checkbox"/> 25mm 18 <input type="checkbox"/> 32mm 16 <input type="checkbox"/> 50mm 16	<input type="checkbox"/> Aluminium 68

AT10 Timing Pulleys

Pitch (P)	Number of teeth	PCD	Belt Width	Material
<input type="checkbox"/> 10mm 68	<input type="checkbox"/> 26 4 <input type="checkbox"/> 27 4 <input type="checkbox"/> 28 4 <input type="checkbox"/> 30 4 <input type="checkbox"/> 32 4 <input type="checkbox"/> 36 4 <input type="checkbox"/> 40 4 <input type="checkbox"/> 44 4	<input type="checkbox"/> 82.76mm 4 <input type="checkbox"/> 85.94mm 4 <input type="checkbox"/> 89.13mm 4 <input type="checkbox"/> 95.49mm 4 <input type="checkbox"/> 101.86mm 4 <input type="checkbox"/> 114.59mm 4 <input type="checkbox"/> 127.32mm 4 <input type="checkbox"/> 140.06mm 4	<input type="checkbox"/> 16mm 18 <input type="checkbox"/> 25mm 18 <input type="checkbox"/> 32mm 16 <input type="checkbox"/> 50mm 16	<input type="checkbox"/> Aluminium 68

AT10 Timing Pulleys

Pitch (P)	Number of teeth	PCD	Belt Width	Material
<input type="checkbox"/> 10mm 68	<input type="checkbox"/> 28 4 <input type="checkbox"/> 30 4 <input type="checkbox"/> 32 4 <input type="checkbox"/> 36 4 <input type="checkbox"/> 40 4 <input type="checkbox"/> 44 4 <input type="checkbox"/> 48 4 <input type="checkbox"/> 60 4	<input type="checkbox"/> 89.13mm 4 <input type="checkbox"/> 95.49mm 4 <input type="checkbox"/> 101.86mm 4 <input type="checkbox"/> 114.59mm 4 <input type="checkbox"/> 127.32mm 4 <input type="checkbox"/> 140.06mm 4 <input type="checkbox"/> 152.79mm 4 <input type="checkbox"/> 190.99mm 4	<input type="checkbox"/> 16mm 18 <input type="checkbox"/> 25mm 18 <input type="checkbox"/> 32mm 16 <input type="checkbox"/> 50mm 16	<input type="checkbox"/> Aluminium 68

INTERNAL GEARS



APPLICATIONS

Internal gears are primarily used for **planetary gear drives**. Spur gears are generally seen as best for applications that require speed reduction and torque multiplication, such as ball mills and crushing equipment. Gears are used for **the transmission of power**. Internal Gears are gear teeth generated in the internal diameter of a cylinder while external gears have the gear teeth generated on the outside diameter of the component.

Internal Gears

Pitch (m)	Number of teeth	Face Width (b)	Pitch Circle Dia. (PCD)	Material
<input type="checkbox"/> 0.5MOD 5	<input type="checkbox"/> 60 3	<input type="checkbox"/> 3mm 5	<input type="checkbox"/> 30mm 1	<input type="checkbox"/> Brass 10
<input type="checkbox"/> 0.8MOD 5	<input type="checkbox"/> 80 3	<input type="checkbox"/> 7mm 5	<input type="checkbox"/> 40mm 1	<input type="checkbox"/> Steel 5
<input type="checkbox"/> 1MOD 5	<input type="checkbox"/> 90 3	<input type="checkbox"/> 10mm 5	<input type="checkbox"/> 45mm 1	
	<input type="checkbox"/> 100 3		<input type="checkbox"/> 48mm 1	
	<input type="checkbox"/> 120 3		<input type="checkbox"/> 50mm 1	
			<input type="checkbox"/> 60mm 2	
			<input type="checkbox"/> 64mm 1	
			<input type="checkbox"/> 72mm 1	

Internal Gears

Pitch (m)	Number of teeth	Face Width (b)	Pitch Circle Dia. (PCD)	Material
<input type="checkbox"/> 0.5MOD 5	<input type="checkbox"/> 60 3	<input type="checkbox"/> 3mm 5	<input type="checkbox"/> 60mm 2	<input type="checkbox"/> Brass 10
<input type="checkbox"/> 0.8MOD 5	<input type="checkbox"/> 80 3	<input type="checkbox"/> 7mm 5	<input type="checkbox"/> 64mm 1	<input type="checkbox"/> Steel 5
<input type="checkbox"/> 1MOD 5	<input type="checkbox"/> 90 3	<input type="checkbox"/> 10mm 5	<input type="checkbox"/> 72mm 1	
	<input type="checkbox"/> 100 3		<input type="checkbox"/> 80mm 2	
	<input type="checkbox"/> 120 3		<input type="checkbox"/> 90mm 1	
			<input type="checkbox"/> 96mm 1	
			<input type="checkbox"/> 100mm 1	
			<input type="checkbox"/> 120mm 1	



BACKLASH CONTROL SPUR GEARS

APPLICATIONS

Backlash is necessary **to provide the running clearance needed to prevent binding of the mating gears**, which can result in heat generation, noise, abnormal wear, overload, and/or failure of the drive transmissions.

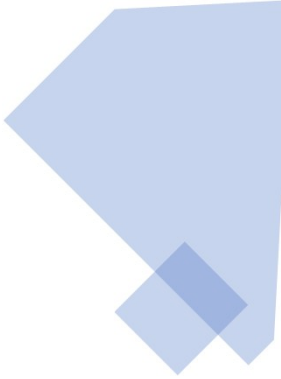
Applications include:

- Conveyor systems & Machine Tools
- Speed reducers.
- Engines and mechanical transportation systems.
- Gear pumps and motors.



Backlash Control Spur Gears

Pitch (m)	Number of teeth	Pitch Circle Dia. (PCD)	Bore Diameter (Dd)	Material
<input type="checkbox"/> 1.5MOD 4	<input type="checkbox"/> 30 1	<input type="checkbox"/> 60mm 2	<input type="checkbox"/> 12mm 3	<input type="checkbox"/> Steel 12
<input type="checkbox"/> 1MOD 4	<input type="checkbox"/> 40 2	<input type="checkbox"/> 70mm 1	<input type="checkbox"/> 15mm 3	
<input type="checkbox"/> 2MOD 4	<input type="checkbox"/> 50 2	<input type="checkbox"/> 75mm 1	<input type="checkbox"/> 20mm 5	
	<input type="checkbox"/> 60 2	<input type="checkbox"/> 80mm 2	<input type="checkbox"/> 25mm 1	
	<input type="checkbox"/> 70 1	<input type="checkbox"/> 90mm 1		
	<input type="checkbox"/> 80 2	<input type="checkbox"/> 100mm 2		
	<input type="checkbox"/> 100 1	<input type="checkbox"/> 120mm 3		
	<input type="checkbox"/> 120 1			



ADJUSTING RINGS



APPLICATIONS

Commonly found in power transmission applications, shaft collars are ring-shaped plastic or metal devices that clamp around a shaft. The purpose of the collar is usually **to hold motor components, gear assemblies, sprockets, bearings, and other parts in place and sometimes facilitate their proper movement.**

Adjusting Rings

Inside Diameter (D)	Outside Diameter (d2)	Width (D3)	Set Screw (W)	Material
<input type="checkbox"/> 4mm 2	<input type="checkbox"/> 8mm 2	<input type="checkbox"/> 5mm 2	<input type="checkbox"/> M3 X 4mm 4	<input type="checkbox"/> Black Stainless Steel (A2) 36
<input type="checkbox"/> 5mm 2	<input type="checkbox"/> 10mm 2	<input type="checkbox"/> 6mm 2	<input type="checkbox"/> M4 X 5mm 2	<input type="checkbox"/> Stainless Steel (A2) 36
<input type="checkbox"/> 6mm 2	<input type="checkbox"/> 12mm 2	<input type="checkbox"/> 8mm 4	<input type="checkbox"/> M4 X 6mm 2	
<input type="checkbox"/> 8mm 2	<input type="checkbox"/> 16mm 2	<input type="checkbox"/> 10mm 6	<input type="checkbox"/> M5 X 8mm 6	
<input type="checkbox"/> 9mm 2	<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> M6 X 8mm 14	
<input type="checkbox"/> 10mm 2	<input type="checkbox"/> 20mm 4	<input type="checkbox"/> 14mm 6	<input type="checkbox"/> M6 X 10mm 2	
<input type="checkbox"/> 11mm 2	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> 16mm 20	<input type="checkbox"/> M8 X 10mm 6	
<input type="checkbox"/> 12mm 2	<input type="checkbox"/> 25mm 4	<input type="checkbox"/> 18mm 8	<input type="checkbox"/> M8 X 12mm 14	

Adjusting Rings

Inside Diameter (D)	Outside Diameter (d2)	Width (D3)	Set Screw (W)	Material
<input type="checkbox"/> 13mm 2	<input type="checkbox"/> 28mm 2	<input type="checkbox"/> 8mm 4	<input type="checkbox"/> M5 X 8mm 6	<input type="checkbox"/> Black Stainless Steel (A2) 36
<input type="checkbox"/> 14mm 2	<input type="checkbox"/> 32mm 4	<input type="checkbox"/> 10mm 6	<input type="checkbox"/> M6 X 8mm 14	<input type="checkbox"/> Stainless Steel (A2) 36
<input type="checkbox"/> 15mm 2	<input type="checkbox"/> 36mm 2	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> M6 X 10mm 2	
<input type="checkbox"/> 16mm 2	<input type="checkbox"/> 40mm 6	<input type="checkbox"/> 14mm 6	<input type="checkbox"/> M8 X 10mm 6	
<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 45mm 4	<input type="checkbox"/> 16mm 20	<input type="checkbox"/> M8 X 12mm 14	
<input type="checkbox"/> 20mm 2	<input type="checkbox"/> 50mm 4	<input type="checkbox"/> 18mm 8	<input type="checkbox"/> M10 X 16mm 8	
<input type="checkbox"/> 22mm 2	<input type="checkbox"/> 56mm 6	<input type="checkbox"/> 20mm 6	<input type="checkbox"/> M10 X 20mm 6	
<input type="checkbox"/> 24mm 2	<input type="checkbox"/> 63mm 2	<input type="checkbox"/> 22mm 8	<input type="checkbox"/> M12 X 20mm 8	

Adjusting Rings

Inside Diameter (D)	Outside Diameter (d2)	Width (D3)	Set Screw (W)	Material
<input type="checkbox"/> 25mm 2	<input type="checkbox"/> 56mm 6	<input type="checkbox"/> 8mm 4	<input type="checkbox"/> M5 X 8mm 6	<input type="checkbox"/> Black Stainless Steel (A2) 36
<input type="checkbox"/> 26mm 2	<input type="checkbox"/> 63mm 2	<input type="checkbox"/> 10mm 6	<input type="checkbox"/> M6 X 8mm 14	<input type="checkbox"/> Stainless Steel (A2) 36
<input type="checkbox"/> 28mm 2	<input type="checkbox"/> 70mm 2	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> M6 X 10mm 2	
<input type="checkbox"/> 30mm 2	<input type="checkbox"/> 80mm 4	<input type="checkbox"/> 14mm 6	<input type="checkbox"/> M8 X 10mm 6	
<input type="checkbox"/> 32mm 2	<input type="checkbox"/> 90mm 2	<input type="checkbox"/> 16mm 20	<input type="checkbox"/> M8 X 12mm 14	
<input type="checkbox"/> 34mm 2	<input type="checkbox"/> 100mm 4	<input type="checkbox"/> 18mm 8	<input type="checkbox"/> M10 X 16mm 8	
<input type="checkbox"/> 35mm 2	<input type="checkbox"/> 110mm 4	<input type="checkbox"/> 20mm 6	<input type="checkbox"/> M10 X 20mm 6	
<input type="checkbox"/> 36mm 2	<input type="checkbox"/> 125mm 4	<input type="checkbox"/> 22mm 8	<input type="checkbox"/> M12 X 20mm 8	

PARALLEL KEYS



APPLICATIONS

A Shaft key is a piece of metal used **to connect a rotating machine element to the shaft**. A shaft key prevents a relative rotation between the two parts and may enable torque transmission to occur. Applications include the following: **light-duty or low power transmission, Machine tool, heavy-duty application**, for preventing rotation of **gears and pulleys on the shaft**.

Parallel Keys

Height (H)	Length (L)	Width (B)	Material	Finish
<input type="checkbox"/> 3mm 8	<input type="checkbox"/> 8mm 2	<input type="checkbox"/> 3mm 8	<input type="checkbox"/> Marine Stainless Steel (A4) 244	<input type="checkbox"/> Matte Black 122
<input type="checkbox"/> 4mm 26	<input type="checkbox"/> 10mm 8	<input type="checkbox"/> 4mm 26		<input type="checkbox"/> Natural 122
<input type="checkbox"/> 5mm 24	<input type="checkbox"/> 12mm 10	<input type="checkbox"/> 5mm 24		
<input type="checkbox"/> 6mm 40	<input type="checkbox"/> 14mm 8	<input type="checkbox"/> 6mm 40		
<input type="checkbox"/> 7mm 46	<input type="checkbox"/> 16mm 12	<input type="checkbox"/> 8mm 46		
<input type="checkbox"/> 8mm 72	<input type="checkbox"/> 18mm 10	<input type="checkbox"/> 10mm 38		
<input type="checkbox"/> 9mm 28	<input type="checkbox"/> 20mm 12	<input type="checkbox"/> 12mm 34		
	<input type="checkbox"/> 22mm 8	<input type="checkbox"/> 14mm 28		

Parallel Keys

Height (H)	Length (L)	Width (B)	Material	Finish
<input type="checkbox"/> 3mm 8	<input type="checkbox"/> 25mm 12	<input type="checkbox"/> 3mm 8	<input type="checkbox"/> Marine Stainless Steel (A4) 244	<input type="checkbox"/> Matte Black 122
<input type="checkbox"/> 4mm 26	<input type="checkbox"/> 28mm 4	<input type="checkbox"/> 4mm 26		<input type="checkbox"/> Natural 122
<input type="checkbox"/> 5mm 24	<input type="checkbox"/> 30mm 14	<input type="checkbox"/> 5mm 24		
<input type="checkbox"/> 6mm 40	<input type="checkbox"/> 32mm 10	<input type="checkbox"/> 6mm 40		
<input type="checkbox"/> 7mm 46	<input type="checkbox"/> 35mm 2	<input type="checkbox"/> 8mm 46		
<input type="checkbox"/> 8mm 72	<input type="checkbox"/> 36mm 14	<input type="checkbox"/> 10mm 38		
<input type="checkbox"/> 9mm 28	<input type="checkbox"/> 38mm 2	<input type="checkbox"/> 12mm 34		
	<input type="checkbox"/> 40mm 14	<input type="checkbox"/> 14mm 28		



Parallel Keys

Height (H)	Length (L)	Width (B)	Material	Finish
<input type="checkbox"/> 3mm 8	<input type="checkbox"/> 45mm 10	<input type="checkbox"/> 3mm 8	<input type="checkbox"/> Marine Stainless Steel (A4) 244	<input type="checkbox"/> Matte Black 122
<input type="checkbox"/> 4mm 26	<input type="checkbox"/> 50mm 14	<input type="checkbox"/> 4mm 26		<input type="checkbox"/> Natural 122
<input type="checkbox"/> 5mm 24	<input type="checkbox"/> 54mm 2	<input type="checkbox"/> 5mm 24		
<input type="checkbox"/> 6mm 40	<input type="checkbox"/> 55mm 4	<input type="checkbox"/> 6mm 40		
<input type="checkbox"/> 7mm 46	<input type="checkbox"/> 56mm 6	<input type="checkbox"/> 8mm 46		
<input type="checkbox"/> 8mm 72	<input type="checkbox"/> 60mm 10	<input type="checkbox"/> 10mm 38		
<input type="checkbox"/> 9mm 28	<input type="checkbox"/> 63mm 8	<input type="checkbox"/> 12mm 34		
	<input type="checkbox"/> 65mm 2	<input type="checkbox"/> 14mm 28		

Parallel Keys

Height (H)	Length (L)	Width (B)	Material	Finish
<input type="checkbox"/> 3mm 8	<input type="checkbox"/> 70mm 10	<input type="checkbox"/> 3mm 8	<input type="checkbox"/> Marine Stainless Steel (A4) 244	<input type="checkbox"/> Matte Black 122
<input type="checkbox"/> 4mm 26	<input type="checkbox"/> 75mm 2	<input type="checkbox"/> 4mm 26		<input type="checkbox"/> Natural 122
<input type="checkbox"/> 5mm 24	<input type="checkbox"/> 80mm 8	<input type="checkbox"/> 5mm 24		
<input type="checkbox"/> 6mm 40	<input type="checkbox"/> 90mm 8	<input type="checkbox"/> 6mm 40		
<input type="checkbox"/> 7mm 46	<input type="checkbox"/> 100mm 10	<input type="checkbox"/> 8mm 46		
<input type="checkbox"/> 8mm 72	<input type="checkbox"/> 110mm 4	<input type="checkbox"/> 10mm 38		
<input type="checkbox"/> 9mm 28	<input type="checkbox"/> 120mm 2	<input type="checkbox"/> 12mm 34		
	<input type="checkbox"/> 125mm 2	<input type="checkbox"/> 14mm 28		

WASHERS



APPLICATIONS

The primary purpose of most washers is **to evenly distribute the load of the threaded fastener with which they are used**. Threaded fasteners stress the material in which they are driven. Driving a screw into wood, for example, may cause the wood to crack around the surface. Most notably, washers **protect the surface from damage during installation**. They distribute the pressure and prevent the fastener from moving or corroding.

WASHERS IN CATALOGUE



203. BELLEVILLE WASHERS

205. CRINKLE WASHERS

207. DISC SPRINGS

209. FEMALE SPHERICAL SEAT WASHERS

211. MALE SPHERICAL SPRING WASHERS

213. IMPERIAL RECTANGULAR PROFILE SPRING WASHERS

215. METRIC RECTANGULAR PROFILE SPRING WASHERS

218. SEALING WASHERS

WASHERS

IN CATALOGUE CONTD.



220. SPLIT SPRING WASHERS

222. SPRING WASHERS

224. SQUARE PROFILE SPRING WASHERS

226. SQUARE TAPER WASHERS FOR U-SECTIONS

228. SHOULDER WASHERS

230. IMPERIAL EXTERNAL LOCKING WASHERS

BELLEVILLE WASHERS



APPLICATIONS

Belleville Washers are often used **to solve vibration, thermal expansion, relaxation and bolt creep problems.** Belleville washers are **typically used in conditions of high current loading or cycling.** They are used to absorb vibration and can maintain pre-load in bolted joints, indicating correct pre-load based on the gap between adjacent washers. They can also help with “bolt creep” or stress relaxation between a bolt and washer.

Belleville Washers

For Use With Thread Size	External Diameter (OD)	Thickness (T)	Material	Finish
<input type="checkbox"/> M3 (3mm) 4 ▲	<input type="checkbox"/> 7mm 4 ▲	<input type="checkbox"/> 0.6mm 4 ▲	<input type="checkbox"/> Acetal 9 ▲	<input type="checkbox"/> Matte Black 26 ▲
<input type="checkbox"/> M3.5 (3.5mm) 1	<input type="checkbox"/> 7.54mm 1	<input type="checkbox"/> 0.69mm 1	<input type="checkbox"/> Marine Stainless Steel (A4) 26	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M4 (4mm) 5	<input type="checkbox"/> 8.03mm 1	<input type="checkbox"/> 0.76mm 1	<input type="checkbox"/> Stainless Steel (A2) 26	
<input type="checkbox"/> M5 (5mm) 6	<input type="checkbox"/> 9mm 4	<input type="checkbox"/> 0.79mm 1		
<input type="checkbox"/> M6 (6mm) 6	<input type="checkbox"/> 9.27mm 1	<input type="checkbox"/> 0.89mm 2		
<input type="checkbox"/> M8 (8mm) 5	<input type="checkbox"/> 10.57mm 1	<input type="checkbox"/> 0.97mm 1		
<input type="checkbox"/> M10 (10mm) 6	<input type="checkbox"/> 11mm 4	<input type="checkbox"/> 0.99mm 1		
<input type="checkbox"/> M12 (12mm) 4 ▼	<input type="checkbox"/> 11.37mm 1 ▼	<input type="checkbox"/> 1mm 4 ▼		

Belleville Washers

For Use With Thread Size	External Diameter (OD)	Thickness (T)	Material	Finish
<input type="checkbox"/> M10 (10mm) 6 ▲	<input type="checkbox"/> 14mm 4 ▲	<input type="checkbox"/> 1.2mm 4 ▲	<input type="checkbox"/> Acetal 9 ▲	<input type="checkbox"/> Matte Black 26 ▲
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 14.33mm 1	<input type="checkbox"/> 1.22mm 1	<input type="checkbox"/> Marine Stainless Steel (A4) 26	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 16.76mm 1	<input type="checkbox"/> 1.4mm 1	<input type="checkbox"/> Stainless Steel (A2) 26	
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 18mm 4	<input type="checkbox"/> 1.5mm 4		
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 21.54mm 2	<input type="checkbox"/> 2mm 4		
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 23mm 4	<input type="checkbox"/> 2.5mm 4		
<input type="checkbox"/> M22 (22mm) 4	<input type="checkbox"/> 29mm 4	<input type="checkbox"/> 3mm 4		
<input type="checkbox"/> M24 (24mm) 4 ▼	<input type="checkbox"/> 35mm 4 ▼	<input type="checkbox"/> 3.5mm 4 ▼		

Belleville Washers

For Use With Thread Size	External Diameter (OD)	Thickness (T)	Material	Finish
<input type="checkbox"/> M10 (10mm) 6 ▲	<input type="checkbox"/> 23mm 4 ▲	<input type="checkbox"/> 2.5mm 4 ▲	<input type="checkbox"/> Acetal 9 ▲	<input type="checkbox"/> Matte Black 26 ▲
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 29mm 4	<input type="checkbox"/> 3mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 26	<input type="checkbox"/> Natural 35
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 35mm 4	<input type="checkbox"/> 3.5mm 4	<input type="checkbox"/> Stainless Steel (A2) 26	
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 39mm 4	<input type="checkbox"/> 4mm 4		
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 42mm 4	<input type="checkbox"/> 4.5mm 4		
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 45mm 4	<input type="checkbox"/> 5mm 4		
<input type="checkbox"/> M22 (22mm) 4	<input type="checkbox"/> 49mm 4	<input type="checkbox"/> 5.5mm 4		
<input type="checkbox"/> M24 (24mm) 4 ▼	<input type="checkbox"/> 56mm 4 ▼	<input type="checkbox"/> 6mm 4 ▼		

CRINKLE WASHERS



APPLICATIONS

Crinkle Washers are a component designed for **pre-loading and spacing, to improve the number of points of contacts and provide increased stability.** Crinkle washers are commonly used in many **electronic, food, chemical and construction applications.**

Crinkle Washers

For Use With Thread Size	External Diameter (D)	Thickness (T)	Material	Finish
<input type="checkbox"/> M1.6 (1.6mm) 2	<input type="checkbox"/> 3.7mm 2	<input type="checkbox"/> 0.16mm 8	<input type="checkbox"/> Stainless Steel (A2) 26	<input type="checkbox"/> Matte Black 13
<input type="checkbox"/> M2 (2mm) 2	<input type="checkbox"/> 4.6mm 2	<input type="checkbox"/> 0.2mm 2		<input type="checkbox"/> Natural 13
<input type="checkbox"/> M2.5 (2.5mm) 2	<input type="checkbox"/> 5.8mm 2	<input type="checkbox"/> 0.28mm 2		
<input type="checkbox"/> M3 (3mm) 2	<input type="checkbox"/> 6.4mm 2	<input type="checkbox"/> 0.3mm 2		
<input type="checkbox"/> M3.5 (3.5mm) 2	<input type="checkbox"/> 6.9mm 2	<input type="checkbox"/> 0.4mm 4		
<input type="checkbox"/> M4 (4mm) 2	<input type="checkbox"/> 8.1mm 2	<input type="checkbox"/> 0.55mm 4		
<input type="checkbox"/> M5 (5mm) 2	<input type="checkbox"/> 9.2mm 2	<input type="checkbox"/> 0.7mm 4		
<input type="checkbox"/> M6 (6mm) 2	<input type="checkbox"/> 11.5mm 2			

Crinkle Washers

For Use With Thread Size	External Diameter (D)	Thickness (T)	Material	Finish
<input type="checkbox"/> M4 (4mm) 2	<input type="checkbox"/> 8.1mm 2	<input type="checkbox"/> 0.16mm 8	<input type="checkbox"/> Stainless Steel (A2) 26	<input type="checkbox"/> Matte Black 13
<input type="checkbox"/> M5 (5mm) 2	<input type="checkbox"/> 9.2mm 2	<input type="checkbox"/> 0.2mm 2		<input type="checkbox"/> Natural 13
<input type="checkbox"/> M6 (6mm) 2	<input type="checkbox"/> 11.5mm 2	<input type="checkbox"/> 0.28mm 2		
<input type="checkbox"/> M8 (8mm) 2	<input type="checkbox"/> 15mm 2	<input type="checkbox"/> 0.3mm 2		
<input type="checkbox"/> M10 (10mm) 2	<input type="checkbox"/> 19.6mm 2	<input type="checkbox"/> 0.4mm 4		
<input type="checkbox"/> M12 (12mm) 2	<input type="checkbox"/> 22mm 2	<input type="checkbox"/> 0.55mm 4		
<input type="checkbox"/> M16 (16mm) 2	<input type="checkbox"/> 27.8mm 2	<input type="checkbox"/> 0.7mm 4		
<input type="checkbox"/> M20 (20mm) 2	<input type="checkbox"/> 34.7mm 2			

DISC SPRINGS



APPLICATIONS

A disc spring is **a spring washer with a conical shape**. This shape gives the spring washer its flexible effect. Disc springs are also called Belleville spring washers and conical spring washers. The properties of the disc spring make it unique in applications where space is limited - but where high force is wanted.

Features

External Diameter (OD)	Hole Dia. (ID)	Thickness (T)	Material	Finish
<input type="checkbox"/> 6mm 2	<input type="checkbox"/> 3.2mm 4	<input type="checkbox"/> 0.2mm 2	<input type="checkbox"/> Stainless Steel (A1) 80	<input type="checkbox"/> Matte Black 40
<input type="checkbox"/> 8mm 8	<input type="checkbox"/> 4.2mm 10	<input type="checkbox"/> 0.25mm 2		<input type="checkbox"/> Natural 40
<input type="checkbox"/> 10mm 6	<input type="checkbox"/> 5.2mm 6	<input type="checkbox"/> 0.3mm 4		
<input type="checkbox"/> 12mm 6	<input type="checkbox"/> 6.2mm 8	<input type="checkbox"/> 0.4mm 10		
<input type="checkbox"/> 12.5mm 4	<input type="checkbox"/> 7.2mm 2	<input type="checkbox"/> 0.5mm 12		
<input type="checkbox"/> 14mm 2	<input type="checkbox"/> 8.2mm 10	<input type="checkbox"/> 0.6mm 4		
<input type="checkbox"/> 15mm 2	<input type="checkbox"/> 9.2mm 4	<input type="checkbox"/> 0.7mm 6		
<input type="checkbox"/> 16mm 6	<input type="checkbox"/> 10.2mm 10	<input type="checkbox"/> 0.8mm 6		

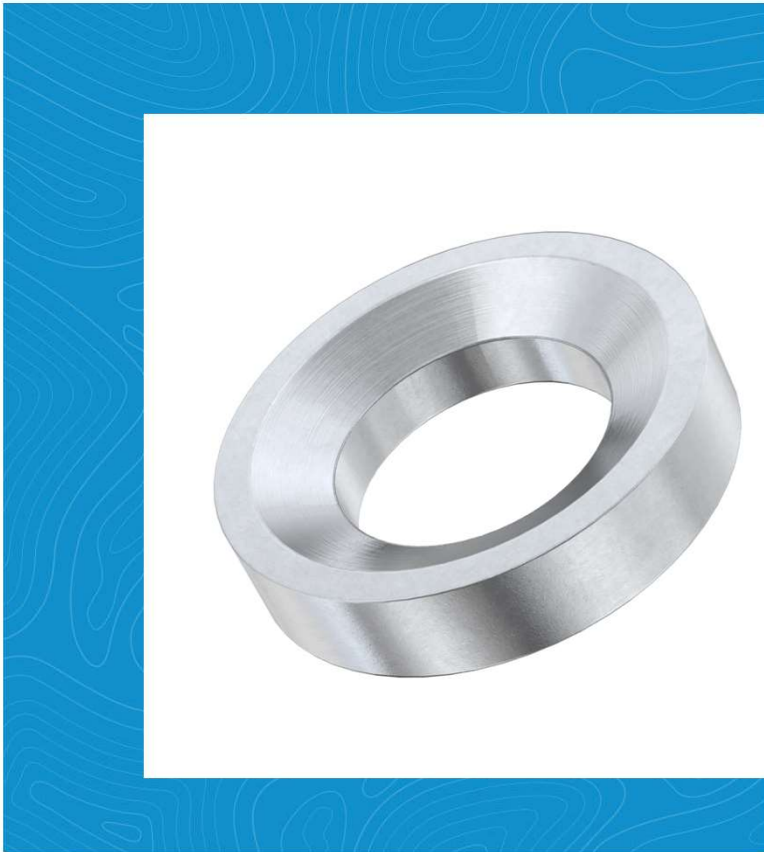
Features

External Diameter (OD)	Hole Dia. (ID)	Thickness (T)	Material	Finish
<input type="checkbox"/> 16mm 6	<input type="checkbox"/> 8.2mm 10	<input type="checkbox"/> 0.9mm 6	<input type="checkbox"/> Stainless Steel (A1) 80	<input type="checkbox"/> Matte Black 40
<input type="checkbox"/> 18mm 6	<input type="checkbox"/> 9.2mm 4	<input type="checkbox"/> 1mm 6		<input type="checkbox"/> Natural 40
<input type="checkbox"/> 20mm 12	<input type="checkbox"/> 10.2mm 10	<input type="checkbox"/> 1.1mm 4		
<input type="checkbox"/> 25mm 8	<input type="checkbox"/> 12.2mm 8	<input type="checkbox"/> 1.25mm 4		
<input type="checkbox"/> 28mm 4	<input type="checkbox"/> 14.2mm 4	<input type="checkbox"/> 1.5mm 6		
<input type="checkbox"/> 31.5mm 4	<input type="checkbox"/> 16.3mm 4	<input type="checkbox"/> 1.75mm 2		
<input type="checkbox"/> 35.5mm 4	<input type="checkbox"/> 18.3mm 4	<input type="checkbox"/> 2mm 4		
<input type="checkbox"/> 40mm 6	<input type="checkbox"/> 20.4mm 6	<input type="checkbox"/> 2.25mm 2		

Features

External Diameter (OD)	Hole Dia. (ID)	Thickness (T)	Material	Finish
<input type="checkbox"/> 16mm 6	<input type="checkbox"/> 8.2mm 10	<input type="checkbox"/> 0.9mm 6	<input type="checkbox"/> Stainless Steel (A1) 80	<input type="checkbox"/> Matte Black 40
<input type="checkbox"/> 18mm 6	<input type="checkbox"/> 9.2mm 4	<input type="checkbox"/> 1mm 6		<input type="checkbox"/> Natural 40
<input type="checkbox"/> 20mm 12	<input type="checkbox"/> 10.2mm 10	<input type="checkbox"/> 1.1mm 4		
<input type="checkbox"/> 25mm 8	<input type="checkbox"/> 12.2mm 8	<input type="checkbox"/> 1.25mm 4		
<input type="checkbox"/> 28mm 4	<input type="checkbox"/> 14.2mm 4	<input type="checkbox"/> 1.5mm 6		
<input type="checkbox"/> 31.5mm 4	<input type="checkbox"/> 16.3mm 4	<input type="checkbox"/> 1.75mm 2		
<input type="checkbox"/> 35.5mm 4	<input type="checkbox"/> 18.3mm 4	<input type="checkbox"/> 2mm 4		
<input type="checkbox"/> 40mm 6	<input type="checkbox"/> 20.4mm 6	<input type="checkbox"/> 2.25mm 2		

FEMALE SPHERICAL SEAT WASHERS

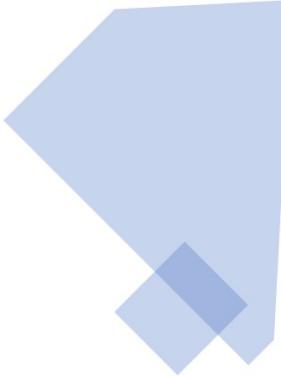
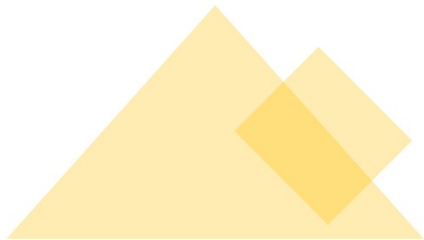


APPLICATIONS

The spherical washer, used in combination with the conical seat, **guarantees a safe locking function on non-parallel bearing surfaces – when the hole and bolt are not perfectly aligned.** Working together, the spherical washer and conical seat compensate each other to a maximum of 3 degrees.

Female Spherical Seat Washers

For Use With Thread Size	External Diameter (OD)	Washer Height (H)	Material	Finish
<input type="checkbox"/> M6 (6mm) 3	<input type="checkbox"/> 12mm 3	<input type="checkbox"/> 2.8mm 3	<input type="checkbox"/> Marine Stainless Steel (A4) 16	<input type="checkbox"/> Matte Black 15
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 17mm 4	<input type="checkbox"/> 3.5mm 4	<input type="checkbox"/> Stainless Steel (A2) 15	<input type="checkbox"/> Natural 16
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 21mm 4	<input type="checkbox"/> 4.2mm 4		
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 5mm 4		
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 28mm 4	<input type="checkbox"/> 5.6mm 4		
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 6.2mm 4		
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 36mm 4	<input type="checkbox"/> 7.5mm 4		
<input type="checkbox"/> M24 (24mm) 4	<input type="checkbox"/> 44mm 4	<input type="checkbox"/> 9.5mm 4		



MALE SPHERICAL WASHERS



APPLICATIONS

The spherical washer, used in combination with the conical seat, **guarantees a safe locking function on non-parallel bearing surfaces – when the hole and bolt are not perfectly aligned.** Working together, the spherical washer and conical seat compensate each other to a maximum of 3 degrees.

Male Spherical Washers

For Use With Thread Size	External Diameter (W)	Washer Height (H)	Material	Finish
<input type="checkbox"/> M6 (6mm) 4	<input type="checkbox"/> 12mm 4	<input type="checkbox"/> 2.3mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 16	<input type="checkbox"/> Matte Black 20
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 17mm 4	<input type="checkbox"/> 3.2mm 4	<input type="checkbox"/> Stainless Steel (A2) 24	<input type="checkbox"/> Natural 20
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 21mm 4	<input type="checkbox"/> 4mm 4		
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 4.6mm 4		
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 28mm 4	<input type="checkbox"/> 5mm 4		
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 5.3mm 4		
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 36mm 4	<input type="checkbox"/> 6.3mm 4		
<input type="checkbox"/> M24 (24mm) 4	<input type="checkbox"/> 44mm 4	<input type="checkbox"/> 8.2mm 4		

Male Spherical Washers

For Use With Thread Size	External Diameter (W)	Washer Height (H)	Material	Finish
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 28mm 4	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 16	<input type="checkbox"/> Matte Black 20
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 5.3mm 4	<input type="checkbox"/> Stainless Steel (A2) 24	<input type="checkbox"/> Natural 20
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 36mm 4	<input type="checkbox"/> 6.3mm 4		
<input type="checkbox"/> M24 (24mm) 4	<input type="checkbox"/> 44mm 4	<input type="checkbox"/> 8.2mm 4		
<input type="checkbox"/> M30 (30mm) 2	<input type="checkbox"/> 56mm 2	<input type="checkbox"/> 11.2mm 2		
<input type="checkbox"/> M36 (36mm) 2	<input type="checkbox"/> 68mm 2	<input type="checkbox"/> 14mm 2		
<input type="checkbox"/> M42 (42mm) 2	<input type="checkbox"/> 78mm 2	<input type="checkbox"/> 17mm 2		
<input type="checkbox"/> M48 (48mm) 2	<input type="checkbox"/> 92mm 2	<input type="checkbox"/> 21mm 2		

IMPERIAL RECTANGULAR PROFILE SPRING WASHERS



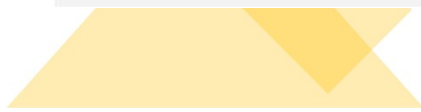
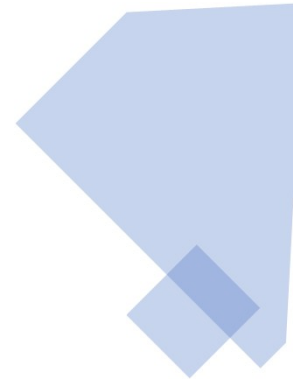
APPLICATIONS

Spring washers are locking washers that are used **when there is a need to prevent a fastener from loosening as a result of vibration.** They are also often called split lock or split ring washers.

Size	External Diameter (OD)	Uncompressed Height (L)	Material	Finish
<input type="checkbox"/> 1 inch 4	<input type="checkbox"/> 0.15 inch 2	<input type="checkbox"/> 0.02 inch 2	<input type="checkbox"/> Marine Stainless Steel (A4) 44	<input type="checkbox"/> Matte Black 46
<input type="checkbox"/> 1.1/2 inch 4	<input type="checkbox"/> 0.25 inch 4	<input type="checkbox"/> 0.04 inch 8	<input type="checkbox"/> Stainless Steel (A1) 48	<input type="checkbox"/> Natural 47
<input type="checkbox"/> 1.1/4 inch 4	<input type="checkbox"/> 0.68 inch 4	<input type="checkbox"/> 0.07 inch 4	<input type="checkbox"/> Stainless Steel (A2) 1	
<input type="checkbox"/> 1.1/8 inch 4	<input type="checkbox"/> 0.137 inch 2	<input type="checkbox"/> 0.022 inch 2		
<input type="checkbox"/> 1.3/8 inch 4	<input type="checkbox"/> 0.172 inch 4	<input type="checkbox"/> 0.035 inch 4		
<input type="checkbox"/> 1/2 inch 4	<input type="checkbox"/> 0.195 inch 4	<input type="checkbox"/> 0.047 inch 8		
<input type="checkbox"/> 1/4 inch 4	<input type="checkbox"/> 0.209 inch 4	<input type="checkbox"/> 0.055 inch 4		
<input type="checkbox"/> 3/4 inch 5	<input type="checkbox"/> 0.236 inch 4	<input type="checkbox"/> 0.062 inch 4		

Size	External Diameter (OD)	Uncompressed Height (L)	Material	Finish
<input type="checkbox"/> 3/8 inch 4	<input type="checkbox"/> 0.293 inch 4	<input type="checkbox"/> 0.062 inch 4	<input type="checkbox"/> Marine Stainless Steel (A4) 44	<input type="checkbox"/> Matte Black 46
<input type="checkbox"/> 5/8 inch 4	<input type="checkbox"/> 0.334 inch 4	<input type="checkbox"/> 0.109 inch 4	<input type="checkbox"/> Stainless Steel (A1) 48	<input type="checkbox"/> Natural 47
<input type="checkbox"/> 5/16 inch 4	<input type="checkbox"/> 0.377 inch 4	<input type="checkbox"/> 0.125 inch 4	<input type="checkbox"/> Stainless Steel (A2) 1	
<input type="checkbox"/> 7/8 inch 4	<input type="checkbox"/> 0.487 inch 4	<input type="checkbox"/> 0.141 inch 4		
<input type="checkbox"/> 7/16 inch 4	<input type="checkbox"/> 0.583 inch 4	<input type="checkbox"/> 0.156 inch 4		
<input type="checkbox"/> 9/16 inch 4	<input type="checkbox"/> 0.776 inch 4	<input type="checkbox"/> 0.171 inch 4		
<input type="checkbox"/> No.0 (0.062 inch) 2	<input type="checkbox"/> 0.869 inch 4	<input type="checkbox"/> 0.188 inch 4		
<input type="checkbox"/> No.1 (0.075 inch) 2	<input type="checkbox"/> 0.965 inch 4	<input type="checkbox"/> 0.203 inch 4		

Size	External Diameter (OD)	Uncompressed Height (L)	Material	Finish
<input type="checkbox"/> No.2 (0.088 inch) 4	<input type="checkbox"/> 1.072 inch 4	<input type="checkbox"/> 0.203 inch 4	<input type="checkbox"/> Marine Stainless Steel (A4) 44	<input type="checkbox"/> Matte Black 46
<input type="checkbox"/> No.3 (0.101 inch) 4	<input type="checkbox"/> 1.264 inch 5	<input type="checkbox"/> 0.234 inch 5	<input type="checkbox"/> Stainless Steel (A1) 48	<input type="checkbox"/> Natural 47
<input type="checkbox"/> No.4 (0.114 inch) 4	<input type="checkbox"/> 1.455 inch 4	<input type="checkbox"/> 0.266 inch 4	<input type="checkbox"/> Stainless Steel (A2) 1	
<input type="checkbox"/> No.5 (0.127 inch) 4	<input type="checkbox"/> 1.647 inch 4	<input type="checkbox"/> 0.297 inch 4		
<input type="checkbox"/> No.6 (0.141 inch) 4	<input type="checkbox"/> 1.838 inch 4	<input type="checkbox"/> 0.328 inch 4		
<input type="checkbox"/> No.8 (0.167 inch) 4	<input type="checkbox"/> 2.21 inch 4	<input type="checkbox"/> 0.359 inch 4		
<input type="checkbox"/> No.10 (0.193 inch) 4	<input type="checkbox"/> 2.028 inch 4	<input type="checkbox"/> 0.391 inch 4		
<input type="checkbox"/> No.12 (0.22 inch) 4	<input type="checkbox"/> 2.409 inch 4	<input type="checkbox"/> 0.422 inch 4		



METRIC RECTANGULAR PROFILE SPRING WASHERS

APPLICATIONS



Spring washers, which have axial flexibility and are used to **prevent fastening or loosening due to vibrations.**

Locking washers, which prevent fastening or loosening by preventing unscrewing rotation of the fastening device; locking washers are usually also spring washers.

Spring washers should be used **on the nut side of the fastener.** If an additional washer is required to spread the load (as in our image above) it should be used between the spring washer and the mounting surface.

Metric Rectangular Profile Spring Washers

Size	External Diameter (OD)	Uncompressed Height (L)	Material	Finish
<input type="checkbox"/> M1.6 (1.6mm) 4	<input type="checkbox"/> 3.4mm 4	<input type="checkbox"/> 0.8mm 4	<input type="checkbox"/> Duplex Stainless Steel 10	<input type="checkbox"/> Matte Black 57
<input type="checkbox"/> M2 (2mm) 4	<input type="checkbox"/> 4.4mm 4	<input type="checkbox"/> 1mm 4	<input type="checkbox"/> High Tensile Steel (8.8) 9	<input type="checkbox"/> Natural 57
<input type="checkbox"/> M2.5 (2.5mm) 4	<input type="checkbox"/> 5.1mm 4	<input type="checkbox"/> 1.2mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 52	<input type="checkbox"/> Zinc Plated 9
<input type="checkbox"/> M3 (3mm) 4	<input type="checkbox"/> 6.2mm 4	<input type="checkbox"/> 1.6mm 8	<input type="checkbox"/> Stainless Steel (A1) 52	
<input type="checkbox"/> M3.5 (3.5mm) 4	<input type="checkbox"/> 6.7mm 4	<input type="checkbox"/> 1.8mm 5		
<input type="checkbox"/> M4 (4mm) 5	<input type="checkbox"/> 7.6mm 5	<input type="checkbox"/> 2.4mm 5		
<input type="checkbox"/> M5 (5mm) 5	<input type="checkbox"/> 9.2mm 5	<input type="checkbox"/> 3.2mm 11		
<input type="checkbox"/> M6 (6mm) 7	<input type="checkbox"/> 11.8mm 7	<input type="checkbox"/> 4mm 7		

Metric Rectangular Profile Spring Washers

Size	External Diameter (OD)	Uncompressed Height (L)	Material	Finish
<input type="checkbox"/> M7 (7mm) 4	<input type="checkbox"/> 12.8mm 4	<input type="checkbox"/> 4.4mm 7	<input type="checkbox"/> Duplex Stainless Steel 10	<input type="checkbox"/> Matte Black 57
<input type="checkbox"/> M8 (8mm) 7	<input type="checkbox"/> 14.8mm 7	<input type="checkbox"/> 5mm 7	<input type="checkbox"/> High Tensile Steel (8.8) 9	<input type="checkbox"/> Natural 57
<input type="checkbox"/> M10 (10mm) 7	<input type="checkbox"/> 18.1mm 7	<input type="checkbox"/> 6mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 52	<input type="checkbox"/> Zinc Plated 9
<input type="checkbox"/> M12 (12mm) 7	<input type="checkbox"/> 21.1mm 7	<input type="checkbox"/> 7mm 11	<input type="checkbox"/> Stainless Steel (A1) 52	
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 24.1mm 4	<input type="checkbox"/> 8mm 9		
<input type="checkbox"/> M16 (16mm) 7	<input type="checkbox"/> 27.4mm 7	<input type="checkbox"/> 10mm 9		
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 29.4mm 4	<input type="checkbox"/> 12mm 16		
<input type="checkbox"/> M20 (20mm) 5	<input type="checkbox"/> 33.6mm 5	<input type="checkbox"/> 16.5mm 12		

Metric Rectangular Profile Spring Washers

Size	External Diameter (OD)	Uncompressed Height (L)	Material	Finish
<input type="checkbox"/> M22 (22mm) 4 ^	<input type="checkbox"/> 35.9mm 4 ^	<input type="checkbox"/> 4.4mm 7 ^	<input type="checkbox"/> Duplex Stainless Steel 10 ^	<input type="checkbox"/> Matte Black 57 ^
<input type="checkbox"/> M24 (24mm) 5	<input type="checkbox"/> 40mm 5	<input type="checkbox"/> 5mm 7	<input type="checkbox"/> High Tensile Steel (8.8) 9	<input type="checkbox"/> Natural 57
<input type="checkbox"/> M27 (27mm) 4	<input type="checkbox"/> 43mm 4	<input type="checkbox"/> 6mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 52	<input type="checkbox"/> Zinc Plated 9
<input type="checkbox"/> M30 (30mm) 4	<input type="checkbox"/> 48.2mm 8	<input type="checkbox"/> 7mm 11	<input type="checkbox"/> Stainless Steel (A1) 52	
<input type="checkbox"/> M33 (33mm) 4	<input type="checkbox"/> 56mm 4	<input type="checkbox"/> 8mm 9		
<input type="checkbox"/> M36 (36mm) 4	<input type="checkbox"/> 60mm 4	<input type="checkbox"/> 10mm 9		
<input type="checkbox"/> M39 (39mm) 4	<input type="checkbox"/> 68.2mm 4	<input type="checkbox"/> 12mm 16		
<input type="checkbox"/> M42 (42mm) 4 v	<input type="checkbox"/> 71.2mm 4 v	<input type="checkbox"/> 16.5mm 12 v		

Metric Rectangular Profile Spring Washers

Size	External Diameter (OD)	Uncompressed Height (L)	Material	Finish
<input type="checkbox"/> M27 (27mm) 4 ^	<input type="checkbox"/> 40mm 5 ^	<input type="checkbox"/> 4.4mm 7 ^	<input type="checkbox"/> Duplex Stainless Steel 10 ^	<input type="checkbox"/> Matte Black 57 ^
<input type="checkbox"/> M30 (30mm) 4	<input type="checkbox"/> 43mm 4	<input type="checkbox"/> 5mm 7	<input type="checkbox"/> High Tensile Steel (8.8) 9	<input type="checkbox"/> Natural 57
<input type="checkbox"/> M33 (33mm) 4	<input type="checkbox"/> 48.2mm 8	<input type="checkbox"/> 6mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 52	<input type="checkbox"/> Zinc Plated 9
<input type="checkbox"/> M36 (36mm) 4	<input type="checkbox"/> 56mm 4	<input type="checkbox"/> 7mm 11	<input type="checkbox"/> Stainless Steel (A1) 52	
<input type="checkbox"/> M39 (39mm) 4	<input type="checkbox"/> 60mm 4	<input type="checkbox"/> 8mm 9		
<input type="checkbox"/> M42 (42mm) 4	<input type="checkbox"/> 68.2mm 4	<input type="checkbox"/> 10mm 9		
<input type="checkbox"/> M45 (45mm) 4	<input type="checkbox"/> 71.2mm 4	<input type="checkbox"/> 12mm 16		
<input type="checkbox"/> M48 (48mm) 4 v	<input type="checkbox"/> 75mm 4 v	<input type="checkbox"/> 16.5mm 12 v		

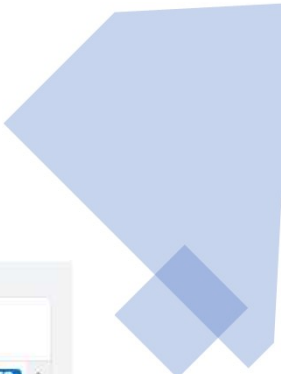
SEALING WASHERS



APPLICATIONS

Sealing washer applications include **use for liquid protection and dust protection.**

Sealing washers superbly protect bolts, screws and other fasteners or threaded surfaces, particularly when used to prevent the ingress of water and other liquids.



Features

Internal Diameter (ID)	External Diameter (OD)	Total Thickness (T+W)	Material	Finish
<input type="checkbox"/> 4.7mm 1 ▲	<input type="checkbox"/> 12mm 3 ▲	<input type="checkbox"/> 2.8mm 38 ▲	<input type="checkbox"/> Stainless Steel (A2) 38 ▲	<input type="checkbox"/> Natural 38 ▲
<input type="checkbox"/> 4.8mm 2	<input type="checkbox"/> 12.5mm 1			
<input type="checkbox"/> 5.2mm 2	<input type="checkbox"/> 14mm 5			
<input type="checkbox"/> 5.3mm 4	<input type="checkbox"/> 16mm 8			
<input type="checkbox"/> 5.5mm 1	<input type="checkbox"/> 17mm 1			
<input type="checkbox"/> 6mm 2	<input type="checkbox"/> 19mm 6			
<input type="checkbox"/> 6.2mm 1	<input type="checkbox"/> 22mm 4			
<input type="checkbox"/> 6.7mm 7 ▼	<input type="checkbox"/> 25mm 5 ▼			

Features

Internal Diameter (ID)	External Diameter (OD)	Total Thickness (T+W)	Material	Finish
<input type="checkbox"/> 6mm 2 ▲	<input type="checkbox"/> 12.5mm 1 ▲	<input type="checkbox"/> 2.8mm 38 ▲	<input type="checkbox"/> Stainless Steel (A2) 38 ▲	<input type="checkbox"/> Natural 38 ▲
<input type="checkbox"/> 6.2mm 1	<input type="checkbox"/> 14mm 5			
<input type="checkbox"/> 6.7mm 7	<input type="checkbox"/> 16mm 8			
<input type="checkbox"/> 6.8mm 4	<input type="checkbox"/> 17mm 1			
<input type="checkbox"/> 8.4mm 5	<input type="checkbox"/> 19mm 6			
<input type="checkbox"/> 8.5mm 6	<input type="checkbox"/> 22mm 4			
<input type="checkbox"/> 10.5mm 2	<input type="checkbox"/> 25mm 5			
<input type="checkbox"/> 13mm 1 ▼	<input type="checkbox"/> 29mm 5 ▼			



SPLIT SPRING WASHERS



APPLICATIONS

Split washers can **prevent bolts from loosening due to vibrations**. As a machine or piece of equipment vibrates, the split washer will push back into it. Split washers are ideal for applications involving vibrations because they prevent the bolts with which they are used from loosening

Features

For Use With Thread Size	External Diameter (D)	Uncompressed Height (S)	Material	Finish
<input type="checkbox"/> M2 (2mm) 4	<input type="checkbox"/> 4.4mm 4	<input type="checkbox"/> 0.7mm-0.9mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 42	<input type="checkbox"/> Matte Black 42
<input type="checkbox"/> M2.3 (2.3mm) 4	<input type="checkbox"/> 4.9mm 4	<input type="checkbox"/> 0.9mm-1.1mm 12	<input type="checkbox"/> Stainless Steel (A1) 42	<input type="checkbox"/> Natural 42
<input type="checkbox"/> M2.5 (2.5mm) 4	<input type="checkbox"/> 5.1mm 4	<input type="checkbox"/> 1.1mm-1.3mm 8		
<input type="checkbox"/> M2.6 (2.6mm) 4	<input type="checkbox"/> 5.2mm 4	<input type="checkbox"/> 1.2mm-1.4mm 4		
<input type="checkbox"/> M3 (3mm) 4	<input type="checkbox"/> 6.2mm 4	<input type="checkbox"/> 1.5mm-1.7mm 4		
<input type="checkbox"/> M3.5 (3.5mm) 4	<input type="checkbox"/> 6.7mm 4	<input type="checkbox"/> 2mm-2.2mm 4		
<input type="checkbox"/> M4 (4mm) 4	<input type="checkbox"/> 7.6mm 4	<input type="checkbox"/> 2.45mm-2.75mm 4		
<input type="checkbox"/> M5 (5mm) 4	<input type="checkbox"/> 9.2mm 4	<input type="checkbox"/> 2.85mm-3.15mm 4		

Features

For Use With Thread Size	External Diameter (D)	Uncompressed Height (S)	Material	Finish
<input type="checkbox"/> M6 (6mm) 4	<input type="checkbox"/> 11.8mm 4	<input type="checkbox"/> 2.85mm-3.15mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 42	<input type="checkbox"/> Matte Black 42
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 14.8mm 4	<input type="checkbox"/> 3.35mm-3.65mm 4	<input type="checkbox"/> Stainless Steel (A1) 42	<input type="checkbox"/> Natural 42
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 18.1mm 4	<input type="checkbox"/> 3.9mm-4.3mm 4		
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 21.1mm 4	<input type="checkbox"/> 4.5mm-5.1mm 8		
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 24.1mm 4	<input type="checkbox"/> 5.1mm-5.9mm 8		
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 27.4mm 4	<input type="checkbox"/> 6.5mm-7.5mm 8		
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 29.4mm 4	<input type="checkbox"/> 9.5mm-10.5mm 4		
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 33.6mm 4	<input type="checkbox"/> 10.3mm-11.3mm 4		

Features

For Use With Thread Size	External Diameter (D)	Uncompressed Height (S)	Material	Finish
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 27.4mm 4	<input type="checkbox"/> 2.85mm-3.15mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 42	<input type="checkbox"/> Matte Black 42
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 29.4mm 4	<input type="checkbox"/> 3.35mm-3.65mm 4	<input type="checkbox"/> Stainless Steel (A1) 42	<input type="checkbox"/> Natural 42
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 33.6mm 4	<input type="checkbox"/> 3.9mm-4.3mm 4		
<input type="checkbox"/> M22 (22mm) 4	<input type="checkbox"/> 35.9mm 4	<input type="checkbox"/> 4.5mm-5.1mm 8		
<input type="checkbox"/> M24 (24mm) 4	<input type="checkbox"/> 40mm 4	<input type="checkbox"/> 5.1mm-5.9mm 8		
<input type="checkbox"/> M27 (27mm) 4	<input type="checkbox"/> 43mm 4	<input type="checkbox"/> 6.5mm-7.5mm 8		
<input type="checkbox"/> M30 (30mm) 4	<input type="checkbox"/> 48.2mm 4	<input type="checkbox"/> 9.5mm-10.5mm 4		
<input type="checkbox"/> M36 (36mm) 4	<input type="checkbox"/> 58.2mm 4	<input type="checkbox"/> 10.3mm-11.3mm 4		

SPRING WASHERS



APPLICATIONS

Spring washers should be used **on the nut side of the fastener**. If an additional washer is required to spread the load (as in our image above) it should be used between the spring washer and the mounting surface, that is the spring washer should be positioned next to the nut.

Features

For Use With Thread Size

- M1.4 (1.4mm) 2
- M1.6 (1.6mm) 2
- M1.7 (1.7mm) 2
- M2 (2mm) 2
- M2.3 (2.3mm) 2
- M2.5 (2.5mm) 2
- M2.6 (2.6mm) 2
- M3 (3mm) 2

External Diameter (OD)

- 3mm 2
- 4mm 4
- 4.5mm 2
- 5mm 2
- 5.5mm 4
- 6mm 2
- 7mm 2
- 8mm 2

Uncompressed Height (Max) (S)

- 0.8mm 2
- 0.9mm 4
- 1mm 4
- 1.1mm 4
- 1.3mm 2
- 1.4mm 2
- 1.6mm 2
- 1.8mm 2

Material

- Stainless Steel (A1) 30

Finish

- Matte Black 15
- Natural 15

Features

For Use With Thread Size

- M3 (3mm) 2
- M3.5 (3.5mm) 2
- M4 (4mm) 2
- M5 (5mm) 2
- M6 (6mm) 2
- M7 (7mm) 2
- M8 (8mm) 2
- M10 (10mm) 2

External Diameter (OD)

- 6mm 2
- 7mm 2
- 8mm 2
- 10mm 2
- 11mm 2
- 12mm 2
- 15mm 2
- 18mm 2

Uncompressed Height (Max) (S)

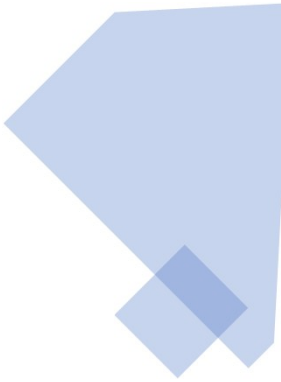
- 1.3mm 2
- 1.4mm 2
- 1.6mm 2
- 1.8mm 2
- 2.2mm 2
- 2.4mm 2
- 3.4mm 2
- 4mm 2

Material

- Stainless Steel (A1) 30

Finish

- Matte Black 15
- Natural 15



SQUARE PROFILE SPRING WASHERS



APPLICATIONS

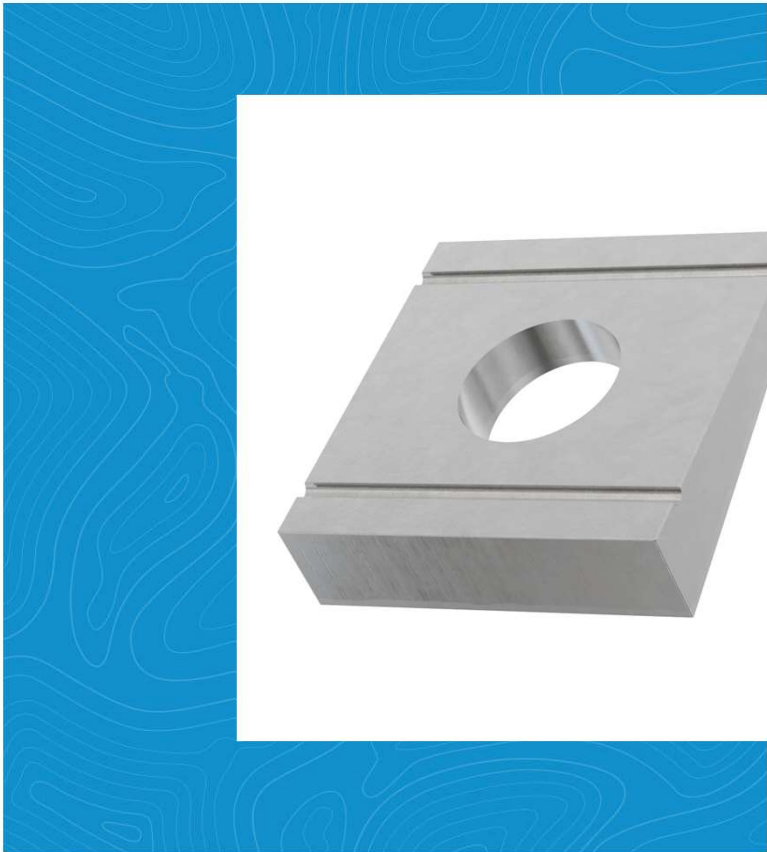
Spring washers should be used **on the nut side of the fastener**. If an additional washer is required to spread the load (as in our image above) it should be used between the spring washer and the mounting surface, that is the spring washer should be positioned next to the nut.

For Use With Thread Size	External Diameter (OD)	Uncompressed Height (T)	Material	Finish
<input type="checkbox"/> M3 (3mm) 6	<input type="checkbox"/> 5.6mm 6	<input type="checkbox"/> 2mm 10	<input type="checkbox"/> Marine Stainless Steel (A4) 32	<input type="checkbox"/> Hot Dip Galvanised 6
<input type="checkbox"/> M3.5 (3.5mm) 4	<input type="checkbox"/> 6.1mm 4	<input type="checkbox"/> 2.4mm 6	<input type="checkbox"/> Phosphor Bronze 7	<input type="checkbox"/> Matte Black 32
<input type="checkbox"/> M4 (4mm) 6	<input type="checkbox"/> 7mm 6	<input type="checkbox"/> 3.2mm 12	<input type="checkbox"/> Spring Steel 17	<input type="checkbox"/> Natural 39
<input type="checkbox"/> M5 (5mm) 6	<input type="checkbox"/> 8.8mm 6	<input type="checkbox"/> 4mm 6	<input type="checkbox"/> Stainless Steel (A1) 32	<input type="checkbox"/> Zinc Plated 11
<input type="checkbox"/> M6 (6mm) 6	<input type="checkbox"/> 9.9mm 6	<input type="checkbox"/> 5mm 14		
<input type="checkbox"/> M8 (8mm) 6	<input type="checkbox"/> 12.7mm 6	<input type="checkbox"/> 6mm 5		
<input type="checkbox"/> M10 (10mm) 7	<input type="checkbox"/> 16mm 7	<input type="checkbox"/> 7mm 10		
<input type="checkbox"/> M12 (12mm) 7	<input type="checkbox"/> 18mm 7	<input type="checkbox"/> 9mm 10		

Features

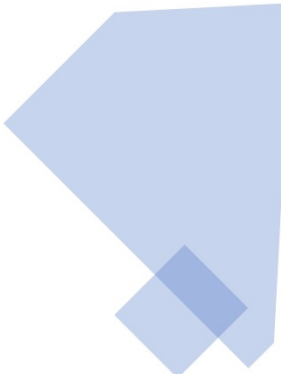
For Use With Thread Size	External Diameter (OD)	Uncompressed Height (T)	Material	Finish
<input type="checkbox"/> M14 (14mm) 5	<input type="checkbox"/> 21.1mm 5	<input type="checkbox"/> 3.2mm 12	<input type="checkbox"/> Marine Stainless Steel (A4) 32	<input type="checkbox"/> Hot Dip Galvanised 6
<input type="checkbox"/> M16 (16mm) 6	<input type="checkbox"/> 24.4mm 6	<input type="checkbox"/> 4mm 6	<input type="checkbox"/> Phosphor Bronze 7	<input type="checkbox"/> Matte Black 32
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 26.4mm 4	<input type="checkbox"/> 5mm 14	<input type="checkbox"/> Spring Steel 17	<input type="checkbox"/> Natural 39
<input type="checkbox"/> M20 (20mm) 6	<input type="checkbox"/> 30.6mm 6	<input type="checkbox"/> 6mm 5	<input type="checkbox"/> Stainless Steel (A1) 32	<input type="checkbox"/> Zinc Plated 11
<input type="checkbox"/> M22 (22mm) 4	<input type="checkbox"/> 32.9mm 4	<input type="checkbox"/> 7mm 10		
<input type="checkbox"/> M24 (24mm) 6	<input type="checkbox"/> 35.9mm 6	<input type="checkbox"/> 9mm 10		
<input type="checkbox"/> M27 (27mm) 4	<input type="checkbox"/> 38.9mm 4	<input type="checkbox"/> 10mm 10		
<input type="checkbox"/> M30 (30mm) 5	<input type="checkbox"/> 44.1mm 5	<input type="checkbox"/> 12mm 5		

SQUARE TAPER WASHERS FOR U-SECTIONS



APPLICATIONS

Taper Washer are square or half round, Taper washers are designed to be used **on channel sections, underneath nuts with tapered flanges to enable the bolt assembly to fit square when tightened.**



Square Taper Washers for U-Sections

Size	Length 1 Max (A)	Length 2 Max (B)	Material	Finish
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 24mm 8	<input type="checkbox"/> 22.65mm 8	<input type="checkbox"/> Marine Stainless Steel (A4) 10	<input type="checkbox"/> Matte Black 10
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 28mm 4	<input type="checkbox"/> 30.65mm 4	<input type="checkbox"/> Stainless Steel (A2) 10	<input type="checkbox"/> Natural 10
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 34.5mm 4	<input type="checkbox"/> 36.8mm 4		
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 42.5mm 4	<input type="checkbox"/> 44.8mm 4		
<input type="checkbox"/> M20 (20mm) 4				



SHOULDER WASHERS



APPLICATIONS

A shoulder washer **insulates a screw, rivet, or wire from an assembly or can be inserted into a housing to provide a bearing surface for rotary applications.**

The flange on the shoulder washer is used to positively locate the bushing when it is installed or to provide a thrust bearing surface.

Shoulder Washers

Size	Shoulder Diameter (d)	Shoulder Length (L)	Material	Finish
<input type="checkbox"/> 2.1mm 1	<input type="checkbox"/> 3mm 3	<input type="checkbox"/> 0.6mm 1	<input type="checkbox"/> Nylon 130	<input type="checkbox"/> Black 50
<input type="checkbox"/> 2.6mm 3	<input type="checkbox"/> 3.2mm 1	<input type="checkbox"/> 0.8mm 6		<input type="checkbox"/> Natural 80
<input type="checkbox"/> 2.7mm 1	<input type="checkbox"/> 3.4mm 1	<input type="checkbox"/> 1mm 3		
<input type="checkbox"/> 2.95mm 1	<input type="checkbox"/> 3.5mm 6	<input type="checkbox"/> 1.1mm 1		
<input type="checkbox"/> 3mm 2	<input type="checkbox"/> 3.6mm 1	<input type="checkbox"/> 1.2mm 1		
<input type="checkbox"/> 3.1mm 12	<input type="checkbox"/> 3.7mm 8	<input type="checkbox"/> 1.3mm 4		
<input type="checkbox"/> 3.5mm 2	<input type="checkbox"/> 3.9mm 4	<input type="checkbox"/> 1.4mm 1		
<input type="checkbox"/> 4mm 2	<input type="checkbox"/> 4.2mm 1	<input type="checkbox"/> 1.5mm 1		

Shoulder Washers

Size	Shoulder Diameter (d)	Shoulder Length (L)	Material	Finish
<input type="checkbox"/> 5.2mm 10	<input type="checkbox"/> 4.3mm 8	<input type="checkbox"/> 1.6mm 7	<input type="checkbox"/> Nylon 130	<input type="checkbox"/> Black 50
<input type="checkbox"/> 6.1mm 3	<input type="checkbox"/> 4.4mm 1	<input type="checkbox"/> 1.7mm 7		<input type="checkbox"/> Natural 80
<input type="checkbox"/> 6.2mm 10	<input type="checkbox"/> 4.5mm 2	<input type="checkbox"/> 2mm 30		
<input type="checkbox"/> 6.4mm 1	<input type="checkbox"/> 4.8mm 1	<input type="checkbox"/> 2.1mm 1		
<input type="checkbox"/> 6.5mm 3	<input type="checkbox"/> 4.9mm 2	<input type="checkbox"/> 2.2mm 1		
<input type="checkbox"/> 8.2mm 6	<input type="checkbox"/> 5.1mm 1	<input type="checkbox"/> 2.3mm 1		
<input type="checkbox"/> 8.5mm 2	<input type="checkbox"/> 5.2mm 9	<input type="checkbox"/> 2.4mm 7		
<input type="checkbox"/> 10.2mm 5	<input type="checkbox"/> 5.5mm 2	<input type="checkbox"/> 2.5mm 5		

Shoulder Washers

Size	Shoulder Diameter (d)	Shoulder Length (L)	Material	Finish
<input type="checkbox"/> 10.5mm 1	<input type="checkbox"/> 5.9mm 3	<input type="checkbox"/> 3.2mm 4	<input type="checkbox"/> Nylon 130	<input type="checkbox"/> Black 50
<input type="checkbox"/> 12.2mm 3	<input type="checkbox"/> 6mm 1	<input type="checkbox"/> 3.5mm 1		<input type="checkbox"/> Natural 80
<input type="checkbox"/> 12.5mm 2	<input type="checkbox"/> 6.2mm 1	<input type="checkbox"/> 4mm 4		
<input type="checkbox"/> 14.2mm 2	<input type="checkbox"/> 6.3mm 1	<input type="checkbox"/> 4.5mm 2		
<input type="checkbox"/> 16.2mm 1	<input type="checkbox"/> 6.4mm 2	<input type="checkbox"/> 4.7mm 6		
<input type="checkbox"/> M2 (2mm) 3	<input type="checkbox"/> 6.5mm 3	<input type="checkbox"/> 6mm 2		
<input type="checkbox"/> M2.5 (2.5mm) 9	<input type="checkbox"/> 6.6mm 8	<input type="checkbox"/> 6.4mm 6		
<input type="checkbox"/> M3.5 (3.5mm) 8	<input type="checkbox"/> 6.9mm 5	<input type="checkbox"/> 7.4mm 1		

IMPERIAL EXTERNAL LOCKING WASHERS

APPLICATIONS



An external tooth lock washer has teeth that extend radially outward to bite into the bearing surface. Like internal tooth lock washers, they are designed **to prevent a nut or bolt head from loosening with the strut action of the teeth**. An external tooth lock washer has teeth that extend radially outward to bite into the bearing surface.

Imperial External Locking Washers

For Use With Thread Size	External Diameter (D)	Thickness (T)	Material	Finish
<input type="checkbox"/> 1 inch 2	<input type="checkbox"/> 0.9 inch 2	<input type="checkbox"/> 0.02 inch 2	<input type="checkbox"/> Stainless Steel (A2) 34	<input type="checkbox"/> Matte Black 17
<input type="checkbox"/> 1/2 inch 2	<input type="checkbox"/> 0.26 inch 2	<input type="checkbox"/> 0.04 inch 4		<input type="checkbox"/> Natural 17
<input type="checkbox"/> 1/4 inch 2	<input type="checkbox"/> 0.32 inch 2	<input type="checkbox"/> 0.05 inch 2		
<input type="checkbox"/> 3/4 inch 2	<input type="checkbox"/> 0.41 inch 2	<input type="checkbox"/> 0.06 inch 2		
<input type="checkbox"/> 3/8 inch 2	<input type="checkbox"/> 0.51 inch 2	<input type="checkbox"/> 0.014 inch 2		
<input type="checkbox"/> 5/8 inch 2	<input type="checkbox"/> 0.61 inch 2	<input type="checkbox"/> 0.016 inch 2		
<input type="checkbox"/> 5/16 inch 2	<input type="checkbox"/> 0.76 inch 2	<input type="checkbox"/> 0.018 inch 2		
<input type="checkbox"/> 7/8 inch 2	<input type="checkbox"/> 0.210 inch 2	<input type="checkbox"/> 0.022 inch 2		

Imperial External Locking Washers

For Use With Thread Size	External Diameter (D)	Thickness (T)	Material	Finish
<input type="checkbox"/> 7/16 inch 2	<input type="checkbox"/> 0.235 inch 2	<input type="checkbox"/> 0.023 inch 2	<input type="checkbox"/> Stainless Steel (A2) 34	<input type="checkbox"/> Matte Black 17
<input type="checkbox"/> 9/16 inch 2	<input type="checkbox"/> 0.285 inch 2	<input type="checkbox"/> 0.024 inch 2		<input type="checkbox"/> Natural 17
<input type="checkbox"/> No.2 (0.210 inch) 2	<input type="checkbox"/> 0.381 inch 2	<input type="checkbox"/> 0.027 inch 2		
<input type="checkbox"/> No.3 (0.235 inch) 2	<input type="checkbox"/> 0.475 inch 2	<input type="checkbox"/> 0.028 inch 2		
<input type="checkbox"/> No.4 (0.26 inch) 2	<input type="checkbox"/> 0.694 inch 2	<input type="checkbox"/> 0.034 inch 2		
<input type="checkbox"/> No.6 (0.285 inch) 2	<input type="checkbox"/> 1.07 inch 2	<input type="checkbox"/> 0.045 inch 2		
<input type="checkbox"/> No.8 (0.32 inch) 2	<input type="checkbox"/> 1.26 inch 2	<input type="checkbox"/> 0.055 inch 2		
<input type="checkbox"/> No.10 (0.381 inch) 2	<input type="checkbox"/> 1.41 inch 2	<input type="checkbox"/> 0.067 inch 2		

Imperial External Locking Washers

For Use With Thread Size	External Diameter (D)	Thickness (T)	Material	Finish
<input type="checkbox"/> 9/16 inch 2	<input type="checkbox"/> 0.285 inch 2	<input type="checkbox"/> 0.023 inch 2	<input type="checkbox"/> Stainless Steel (A2) 34	<input type="checkbox"/> Matte Black 17
<input type="checkbox"/> No.2 (0.210 inch) 2	<input type="checkbox"/> 0.381 inch 2	<input type="checkbox"/> 0.024 inch 2		<input type="checkbox"/> Natural 17
<input type="checkbox"/> No.3 (0.235 inch) 2	<input type="checkbox"/> 0.475 inch 2	<input type="checkbox"/> 0.027 inch 2		
<input type="checkbox"/> No.4 (0.26 inch) 2	<input type="checkbox"/> 0.694 inch 2	<input type="checkbox"/> 0.028 inch 2		
<input type="checkbox"/> No.6 (0.285 inch) 2	<input type="checkbox"/> 1.07 inch 2	<input type="checkbox"/> 0.034 inch 2		
<input type="checkbox"/> No.8 (0.32 inch) 2	<input type="checkbox"/> 1.26 inch 2	<input type="checkbox"/> 0.045 inch 2		
<input type="checkbox"/> No.10 (0.381 inch) 2	<input type="checkbox"/> 1.41 inch 2	<input type="checkbox"/> 0.055 inch 2		
<input type="checkbox"/> No.12 (0.41 inch) 2	<input type="checkbox"/> 1.62 inch 2	<input type="checkbox"/> 0.067 inch 2		

ELECTRICAL FIXTURES



APPLICATIONS

The items used in domestic and industrial electrical wiring are called electrical accessories, e.g., **switch, holder, socket, plug-top, ceiling rose, fuse cut-out** etc.

A switch is used to make a circuit ON and OFF.

A holder is used with a lamp, a ceiling rose is used with a ceiling fan, tube light or a pendant lamp.

ELECTRICAL FIXTURES IN CATALOGUE



234. CAM SWITCHES

236. MONOBLOCK BUZZERS

238. PLASTIC BODY PUSH BUTTONS

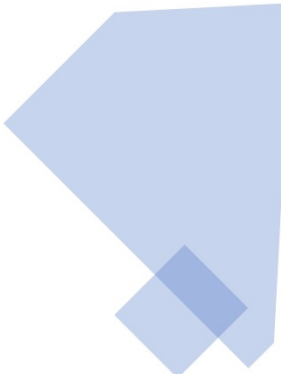
240. THREAD REDUCERS

CAM SWITCHES



APPLICATIONS

- Oil and gas.
- Food & beverage.
- Panel builders and electrical enclosure.
- Machine tools & wood industry.
- Packaging.
- Kneading-trough.
- Vegetable cutting machine



Cam Switches

Poles	Schema Version	Rated Thermal Current (A)	Material	Finish
<input type="checkbox"/> 1 8	<input type="checkbox"/> 1 8	<input type="checkbox"/> 10Amp 10	<input type="checkbox"/> PA 39	<input type="checkbox"/> Black 19
<input type="checkbox"/> 2 8	<input type="checkbox"/> 2 8	<input type="checkbox"/> 16Amp 9		<input type="checkbox"/> Red 20
<input type="checkbox"/> 3 8	<input type="checkbox"/> 3 8	<input type="checkbox"/> 20Amp 10		
<input type="checkbox"/> 3 + Neutral 7	<input type="checkbox"/> 4 8	<input type="checkbox"/> 25Amp 10		
<input type="checkbox"/> 4 8	<input type="checkbox"/> 5 7			



MONOBLOCK BUZZERS

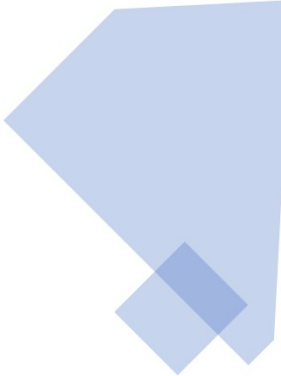


APPLICATIONS

- ❖ Communication Devices
- ❖ Electronics used in Automobiles
- ❖ Alarm Circuits
- ❖ Portable Devices
- ❖ Security Systems
- ❖ Timers
- ❖ Household Appliances
- ❖ Electronic Metronomes
- ❖ Game Shows

Monoblock Buzzers

Width	Feature	Nominal Voltage	Material	Finish
<input type="checkbox"/> 22mm 4 ^	<input type="checkbox"/> LED Illumination 2 ^	<input type="checkbox"/> 24 AC/DC 2 ^ <input type="checkbox"/> 220V AC 2 ^	<input type="checkbox"/> PA 4 ^	<input type="checkbox"/> Black 2 ^ <input type="checkbox"/> Red 2 ^



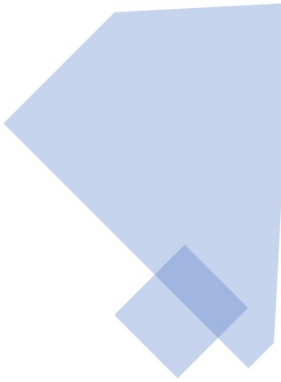
PLASTIC BODY

PUSH BUTTONS



APPLICATIONS

They are used in the following devices: **kitchen appliances, magnetic locks, and several other mechanical and electronic devices used across homes or industries.** Push buttons can be explained as **simple power controlling switches of a machine or appliance.** These are generally metal or thermoplastic switches that are intended to grant easy access to the user.



Plastic Body Push Buttons

Contact Type	Width	Button Type	Material	Finish
<input type="checkbox"/> 1NC 3	<input type="checkbox"/> 22mm 18	<input type="checkbox"/> Flush 18	<input type="checkbox"/> Polyamide 18	<input type="checkbox"/> Black 3
<input type="checkbox"/> 1NO 15				<input type="checkbox"/> Blue 3
				<input type="checkbox"/> Green 3
				<input type="checkbox"/> Red 3
				<input type="checkbox"/> White 3
				<input type="checkbox"/> Yellow 3



THREAD REDUCERS

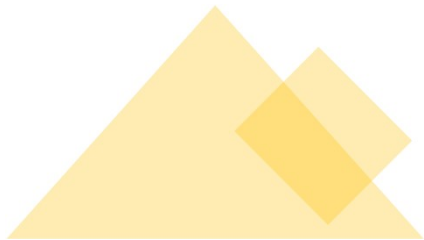


APPLICATIONS

Thread Reducer Adapters, sometimes known as plumbing adapters or thread reducing attachments are a type of mechanism which are used **to change the size of the threads**. They are designed to reduce threaded holes or clearance holes to smaller thread sizes.

Thread Reducers

Male Thread Size (A)	Female Thread Size (B)	Length (L)	Material	Finish
<input type="checkbox"/> M16 x 1.5mm 3	<input type="checkbox"/> M12 x 1.5mm 10	<input type="checkbox"/> 8mm 17	<input type="checkbox"/> Brass 17	<input type="checkbox"/> Black 22
<input type="checkbox"/> M20 x 1.5mm 6	<input type="checkbox"/> M16 x 1.5mm 11	<input type="checkbox"/> 10mm 22	<input type="checkbox"/> Polyamide 44	<input type="checkbox"/> Dark Grey 22
<input type="checkbox"/> M25 x 1.5mm 7	<input type="checkbox"/> M20 x 1.5mm 11	<input type="checkbox"/> 12mm 22		<input type="checkbox"/> Nickel Plated 17
<input type="checkbox"/> M25 x 1.5mm 1	<input type="checkbox"/> M25 x 1.5mm 11			
<input type="checkbox"/> M32 x 1.5mm 11	<input type="checkbox"/> M32 x 1.5mm 9			
<input type="checkbox"/> M40 x 1.5mm 11	<input type="checkbox"/> M40 x 1.5mm 6			
<input type="checkbox"/> M50 x 1.5mm 11	<input type="checkbox"/> M50 x 1.5mm 3			
<input type="checkbox"/> M63 x 1.5mm 11				



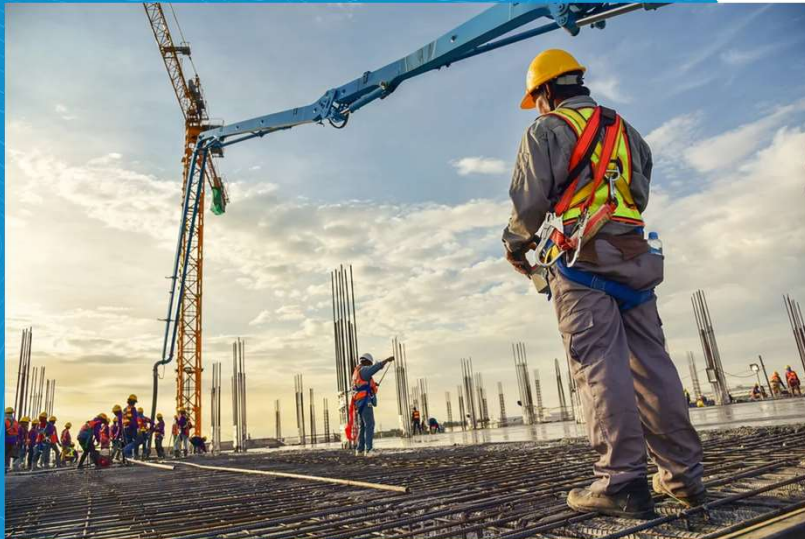
CONCRETE SCREWS



APPLICATIONS

Masonry fixings are anchors used to fasten or attach an item to masonry. They can be used with various kinds of masonry including brick and blocks, as well as concrete. Self Tapping Masonry Anchor is used for **fastening into substrates** such as stone, concrete and concrete block, amongst other masonry materials.

CONCRETE SCREWS IN CATALOGUE



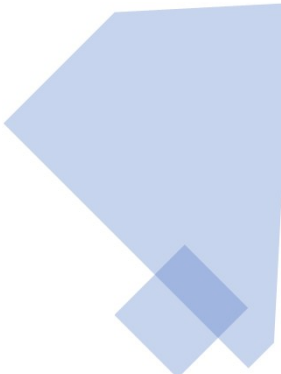
- 244. HEXAGON MASONRY ANCHORS
- 246. FLANGED HEXAGON MASONRY ANCHORS
- 248. PERMANENT SLEEVE ANCHORS
- 250. REMOVABLE SLEEVE ANCHORS
- 252. SECURITY TORX BUTTON HEAD SLEEVE ANCHORS
- 254. SQUARE DRIVE DECKING SCREWS
- 256. TORX COUNTERSUNK MASONRY ANCHORS
- 258. TORX PAN HEAD MANSORY ANCHORS
- 260. SECURITY TORX COUNTERSUNK SLEEVE ANCHORS
- 262. RAWL PLUGS – LARGE TUBS
- 264. RAWL PLUGS – MEDIUM BAGS

HEXAGON MASONRY ANCHORS



APPLICATIONS

- ❖ Window installations
- ❖ Shutters and guards.
- ❖ Interior hand-rails.
- ❖ Interior lighting fixtures.
- ❖ Metal door frames.
- ❖ Thresholds.
- ❖ Joint flashing.
- ❖ Screened Enclosures



Hexagon Masonry Anchors

Pilot Hole/Drill Size	Clearance Diameter	Drive Size	Anchor Length (L)	Material
<input type="checkbox"/> 8mm 12	<input type="checkbox"/> 10mm 12	<input type="checkbox"/> 15mm 12	<input type="checkbox"/> 60mm 4	<input type="checkbox"/> Galvanised Steel 14
<input type="checkbox"/> 10mm 11	<input type="checkbox"/> 12mm 11	<input type="checkbox"/> 17mm 11	<input type="checkbox"/> 75mm 4	<input type="checkbox"/> Yellow Zinc Plated Steel 31
<input type="checkbox"/> 12mm 12	<input type="checkbox"/> 14mm 12	<input type="checkbox"/> 19mm 12	<input type="checkbox"/> 80mm 1	
<input type="checkbox"/> 14mm 5	<input type="checkbox"/> 18mm 5	<input type="checkbox"/> 24mm 5	<input type="checkbox"/> 100mm 11	
<input type="checkbox"/> 16mm 5	<input type="checkbox"/> 20mm 5	<input type="checkbox"/> 27mm 5	<input type="checkbox"/> 130mm 7	
			<input type="checkbox"/> 150mm 12	
			<input type="checkbox"/> 200mm 6	

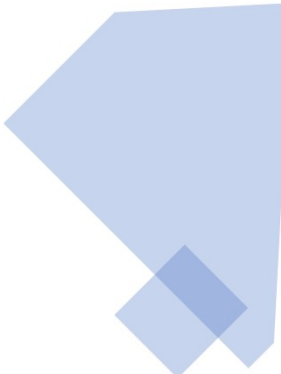


FLANGED HEXAGON MASONRY ANCHORS



APPLICATIONS

- Window installations
- Shutters and guards.
- Interior hand-rails.
- Interior lighting fixtures.
- Metal door frames.
- Thresholds.
- Joint flashing.
- Screened Enclosures



Flanged Hexagon Masonry Anchors

Pilot Hole / Drill Size	Clearance Diameter	Drive Size	Anchor Length (L)	Material
<input type="checkbox"/> 5mm 4	<input type="checkbox"/> 7mm 4	<input type="checkbox"/> 8mm 4	<input type="checkbox"/> 30mm 2	<input type="checkbox"/> Galvanised Carbon Steel 3
<input type="checkbox"/> 6mm 9	<input type="checkbox"/> 8mm 9	<input type="checkbox"/> 10mm 9	<input type="checkbox"/> 50mm 3	<input type="checkbox"/> Yellow Zinc Plated Steel 10
			<input type="checkbox"/> 75mm 3	
			<input type="checkbox"/> 100mm 3	
			<input type="checkbox"/> 130mm 1	
			<input type="checkbox"/> 150mm 1	



PERMANENT SLEEVE ANCHORS

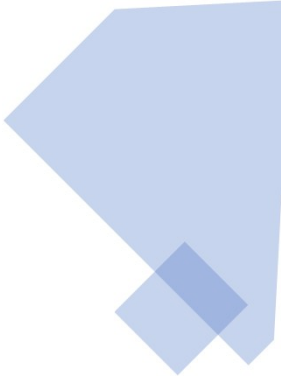


APPLICATIONS

These are anchors used in the construction industry for buildings, and other types of civil/building, and engineering works, respectively. They are durable against adverse weather conditions.

Kinmar® Permanent Sleeve Anchors

Thread Size (T)	Length (L)	Drive Size	Material	Finish
<input type="checkbox"/> M6 1	<input type="checkbox"/> 45mm 1	<input type="checkbox"/> KM6P 1	<input type="checkbox"/> Case Hardened Steel 9	<input type="checkbox"/> Zinc Plated 9
<input type="checkbox"/> M8 4	<input type="checkbox"/> 50mm 1	<input type="checkbox"/> KM8P 4		
<input type="checkbox"/> M10 4	<input type="checkbox"/> 60mm 2	<input type="checkbox"/> KM10P 4		
	<input type="checkbox"/> 70mm 2			
	<input type="checkbox"/> 80mm 1			
	<input type="checkbox"/> 90mm 1			
	<input type="checkbox"/> 95mm 1			

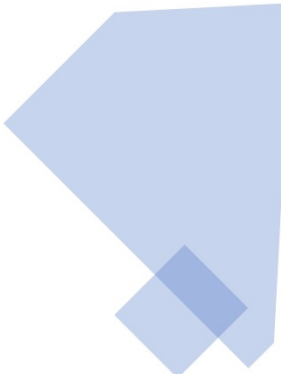


REMOVABLE SLEEVE ANCHORS



APPLICATIONS

These are anchors used in the construction industry for buildings, and other types of civil/building engineering works, respectively. They are durable against adverse weather conditions.



Kinmar® Removable Sleeve Anchors

Thread Size (T)	Length (L)	Drive Size	Material	Finish
<input type="checkbox"/> M6 (6mm) 1	<input type="checkbox"/> 45mm 1	<input type="checkbox"/> KM6R 1	<input type="checkbox"/> Case Hardened Steel 9	<input type="checkbox"/> Zinc Plated 9
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 50mm 1	<input type="checkbox"/> KM8R 4		
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 60mm 2	<input type="checkbox"/> KM10R 4		
	<input type="checkbox"/> 70mm 2			
	<input type="checkbox"/> 80mm 1			
	<input type="checkbox"/> 90mm 1			
	<input type="checkbox"/> 95mm 1			

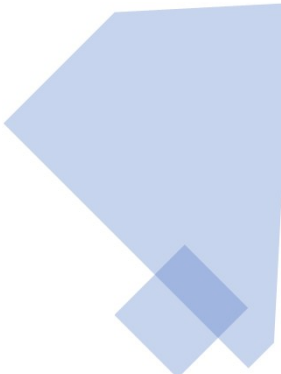


SECURITY TORX BUTTON HEAD SLEEVE ANCHORS



APPLICATIONS

These are anchors used in the construction industry for buildings, and other types of civil/building engineering works, respectively. They are durable against adverse weather conditions.



Security Torx Button Head Sleeve Anchors

Thread Size (T)	Length (L)	Drive Size	Material	Finish
<input type="checkbox"/> M6 (6mm) 1	<input type="checkbox"/> 45mm 1	<input type="checkbox"/> T30 1	<input type="checkbox"/> Stainless Steel (A2) 5	<input type="checkbox"/> Natural 5
<input type="checkbox"/> M8 (8mm) 2	<input type="checkbox"/> 55mm 1	<input type="checkbox"/> T40 2		
<input type="checkbox"/> M10 (10mm) 2	<input type="checkbox"/> 65mm 1	<input type="checkbox"/> T45 2		
	<input type="checkbox"/> 75mm 1			
	<input type="checkbox"/> 80mm 1			



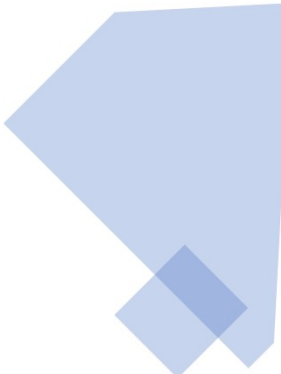
SQUARE DRIVE DECKING SCREWS



APPLICATIONS

Square Drive Screws are designed for use in **furniture manufacturing operations and other demanding industries using hard woods and other “tough” materials.**

“Drywall” screws are made of hardened , brittle steel and will often snap under the loads applied to drive them in joining two pieces of wood.



Square Drive Decking Screws - Stainless Steel (A2)

Thread Size (d1)	Length (L)	Head Diameter (D)	Drive Size	Finish
<input type="checkbox"/> No.8 (4.80mm) 8 ^	<input type="checkbox"/> 2 inch (50.8mm) 2 ^	<input type="checkbox"/> 8.5mm 8 ^	<input type="checkbox"/> No.2 14 ^	<input type="checkbox"/> Matte Black 7 ^
<input type="checkbox"/> No.10 (5.2mm) 6	<input type="checkbox"/> 2.1/2 inch (63.5mm) 4	<input type="checkbox"/> 8.9mm 6		<input type="checkbox"/> Natural 7
	<input type="checkbox"/> 2.1/4 inch (57.15mm) 2			
	<input type="checkbox"/> 3 inch (76.2mm) 4			
	<input type="checkbox"/> 3.1/2 inch (88.9mm) 2			



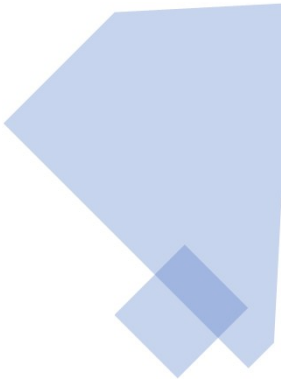
TORX COUNTERSUNK MASONRY ANCHORS



APPLICATIONS

Masonry anchors are anchors used **to fasten or attach an item to the masonry.**

Masonry anchors refer to anchors that are used in all types of masonry including concrete, brick and block or CMU. There are three basic types of masonry anchors: Expansion anchors such as the wedge anchor or sleeve anchor.

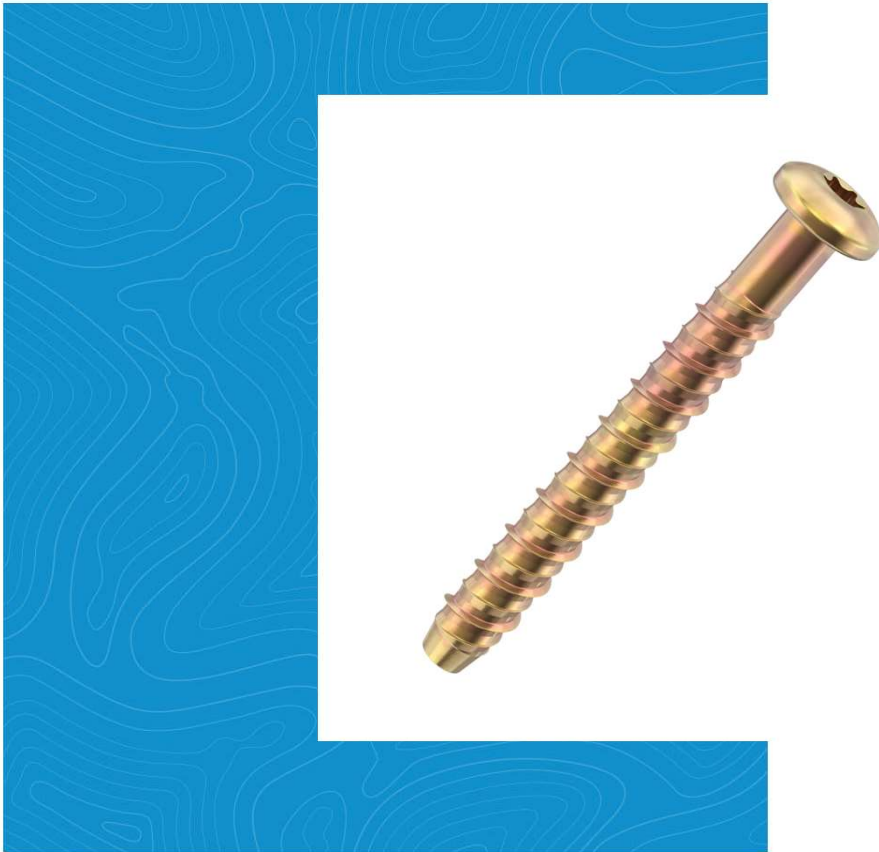


Torx Countersunk Masonry Anchors

Pilot Hole / Drill Size	Clearance Diameter	Drive Size	Anchor Length (L)	Material
<input type="checkbox"/> 5mm 4 ▲	<input type="checkbox"/> 7mm 4 ▲	<input type="checkbox"/> T25 4 ▲	<input type="checkbox"/> 30mm 1 ▲	<input type="checkbox"/> Yellow Zinc Plated Steel 9 ▲
<input type="checkbox"/> 6mm 5 ▲	<input type="checkbox"/> 8mm 5 ▲	<input type="checkbox"/> T30 5 ▲	<input type="checkbox"/> 50mm 2 ▲	
			<input type="checkbox"/> 75mm 2 ▲	
			<input type="checkbox"/> 100mm 2 ▲	
			<input type="checkbox"/> 130mm 1 ▲	
			<input type="checkbox"/> 150mm 1 ▲	



TORX PAN HEAD MANSORY ANCHORS

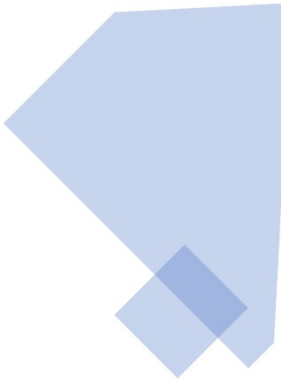


APPLICATIONS

These are anchors used in the construction industry for buildings, and other types of civil/building engineering works, respectively. They are durable against adverse weather conditions.

Torx Pan Head Masonry Anchors

Pilot Hole/Drill Size	Clearance Diameter	Drive Size	Anchor Length (L)	Material
<input type="checkbox"/> 5mm 3 ^	<input type="checkbox"/> 8mm 3 ^	<input type="checkbox"/> T25 3 ^	<input type="checkbox"/> 30mm 1 ^	<input type="checkbox"/> Yellow Zinc Plated Steel 7 ^
<input type="checkbox"/> 6mm 4	<input type="checkbox"/> 10mm 4	<input type="checkbox"/> T30 4	<input type="checkbox"/> 50mm 2	
			<input type="checkbox"/> 75mm 2	
			<input type="checkbox"/> 100mm 2	



SECURITY TORX COUNTERSUNK SLEEVE ANCHORS

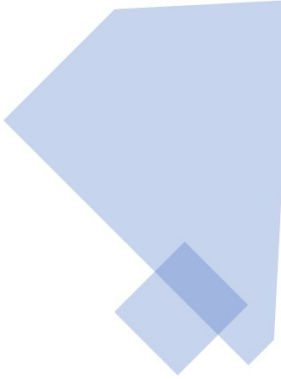


APPLICATIONS

These are anchors used in the construction industry for buildings, and other types of civil/building engineering works, respectively. They are durable against adverse weather conditions.

Security Torx Countersunk Sleeve Anchors

Thread Size (T)	Length (L)	Drive Size	Material	Finish
<input type="checkbox"/> M6 (6mm) 1 ^	<input type="checkbox"/> 50mm 1 ^	<input type="checkbox"/> T30 1 ^	<input type="checkbox"/> Stainless Steel (A2) 5 ^	<input type="checkbox"/> Natural 5 ^
<input type="checkbox"/> M8 (8mm) 2	<input type="checkbox"/> 55mm 1	<input type="checkbox"/> T40 2		
<input type="checkbox"/> M10 (10mm) 2	<input type="checkbox"/> 60mm 1	<input type="checkbox"/> T45 2		
	<input type="checkbox"/> 80mm 2			



RAWL PLUGS – LARGE TUBS



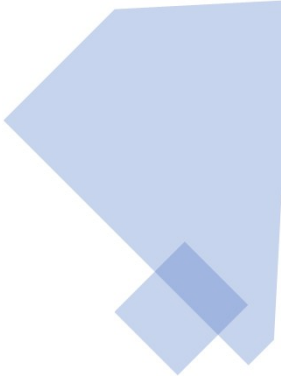
APPLICATIONS

A wall plug (commonly called a rawl plug) is used **to ensure screws driven into masonry walls provide a secure fixing.**

Without them, screws would not grip into masonry and would not provide adequate compressive force to ensure a secure, permanent fixing.

Rawlplugs - Large Tubs

Plug Length	Hole Diameter	Screw Diameter Range	No of Plugs	Material
<input type="checkbox"/> 28mm 2	<input type="checkbox"/> 6mm 2	<input type="checkbox"/> 3.0mm - 5mm 2	<input type="checkbox"/> 450 Plugs/450 Screws 1	<input type="checkbox"/> Blue Plastic 1
<input type="checkbox"/> 30mm 2	<input type="checkbox"/> 7mm 2	<input type="checkbox"/> 4.0mm - 6mm 2	<input type="checkbox"/> 500 Plugs 1	<input type="checkbox"/> Brown Plastic 2
<input type="checkbox"/> 32mm 1	<input type="checkbox"/> 8mm 1	<input type="checkbox"/> 4.5mm - 6mm 1	<input type="checkbox"/> 500 Plugs/500 Screws 1	<input type="checkbox"/> Red Plastic 2
			<input type="checkbox"/> 700 Plugs 1	
			<input type="checkbox"/> 1000 Plugs 1	



RAWL PLUGS – MEDIUM BAGS



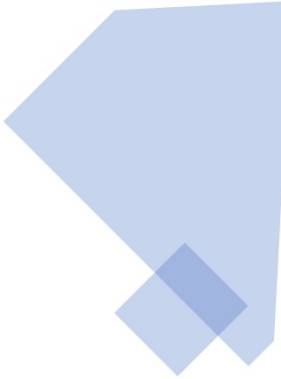
APPLICATIONS

A wall plug (commonly called a rawl plug) is used **to ensure screws driven into masonry walls provide a secure fixing.**

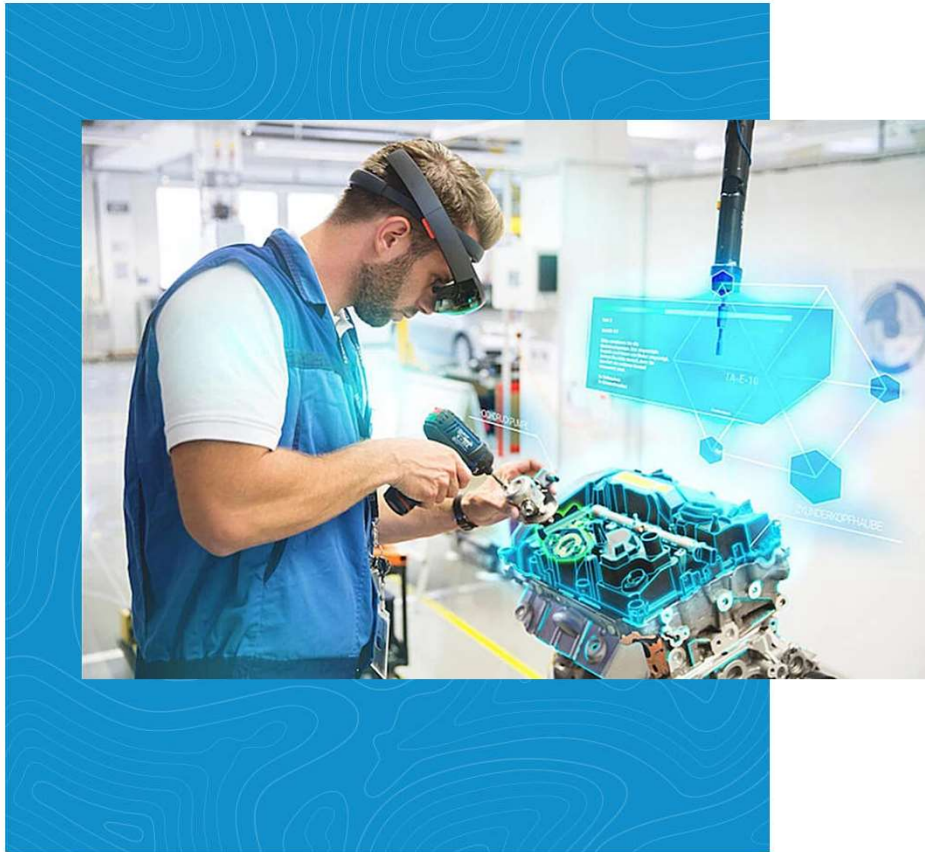
Without them, screws would not grip into masonry and would not provide adequate compressive force to ensure a secure, permanent fixing.

Rawlplugs - Medium Bags

Plug Length	Fixture Hole Diameter	Screw Diameter Range	No Of Plugs	Material
<input type="checkbox"/> 28mm 2 ^	<input type="checkbox"/> 6mm 2 ^	<input type="checkbox"/> 3mm - 4.5mm 1 ^	<input type="checkbox"/> 300 Plugs/300 Screws 2 ^	<input type="checkbox"/> Brown Plastic 2 ^
<input type="checkbox"/> 30mm 2	<input type="checkbox"/> 7mm 2	<input type="checkbox"/> 3mm - 5mm 1	<input type="checkbox"/> 350 Plugs/350 Screws 1	<input type="checkbox"/> Red Plastic 2
		<input type="checkbox"/> 4mm - 6mm 1	<input type="checkbox"/> 500 Plugs/500 Screws 1	
		<input type="checkbox"/> 4.5mm - 6mm 1		



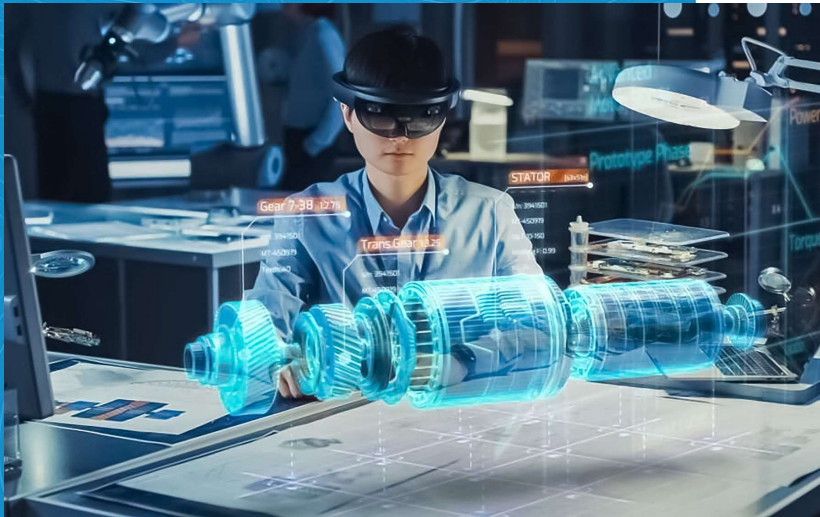
ASSEMBLY COMPONENTS



APPLICATIONS

These are structural components such as **frame members, pipe plugs, axles, self tapping inserts, studs, fasteners, seals, and leadscrews**. These are mechanisms that control movement in various ways such as gear trains, belt or chain drives, linkages, cam and follower systems, including brakes and clutches. They are used from Automotive, Aerospace, Manufacturing, Energy and Power application amongst other applications.

ASSEMBLY COMPONENTS IN CATALOGUE



268. GAS PIPE PLUGS

270. HEXAGON HEAD PIPE PLUGS

272. IMPERIAL SOCKET PIPE PLUGS

274. METRIC SLOTTED BALL/SPRING SET/GRUB SCREWS

276. METRIC FLAT HEAD SOCKET PIPE PLUGS

278. SELF TAPPING INSERTS

280. THREADED WELD STUDS

282. TRAPEZOIDAL LEADSCREWS

284. SELF DRILLING FLANGED HEXAGONAL BOLTS

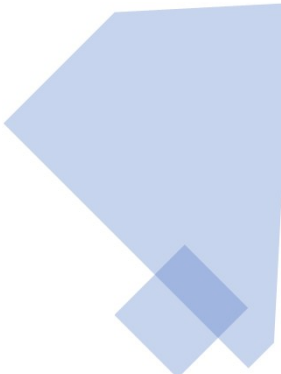
286. METRIC LEFT HAND THREADED BARS

GAS PIPE PLUGS



APPLICATIONS

Pipe Plugs are a strong nylon plug for inner gas threads of $\frac{1}{8}$ " up to $1 \frac{1}{4}$ ". These polyamide threaded plugs are resistant to most chemicals and provide protection against salt water and moisture.



Gas Pipe Plugs

Thread Type	Thread Size	Overall Diameter (D)	Thread Length (E)	Material
<input type="checkbox"/> Gas - Imperial 7	<input type="checkbox"/> 1 inch 1 <input type="checkbox"/> 1-1/4 Inch 1 <input type="checkbox"/> 1/2 inch 1 <input type="checkbox"/> 1/4 inch 1 <input type="checkbox"/> 1/8 inch 1 <input type="checkbox"/> 3/4 inch 1 <input type="checkbox"/> 3/8 inch 1	<input type="checkbox"/> 0.63 inch 1 <input type="checkbox"/> 0.512 Inch 1 <input type="checkbox"/> 0.827 Inch 1 <input type="checkbox"/> 1.063 Inch 1 <input type="checkbox"/> 1.339 Inch 1 <input type="checkbox"/> 1.614 inch 1 <input type="checkbox"/> 2.087 Inch 1	<input type="checkbox"/> 0.276 Inch 2 <input type="checkbox"/> 0.315 Inch 1 <input type="checkbox"/> 0.354 Inch 1 <input type="checkbox"/> 0.433 Inch 3	<input type="checkbox"/> PA 7



HEXAGON HEAD PIPE PLUGS



APPLICATIONS

Hex plug is an important pipe fitting. Like a normal pipe plug, the hex pipe plug is threaded in the end and the cover, or the top of the plug takes a hexagon shape. The hex pipe plugs are considered an easy and cost-effective way to plug your pipe. The basic purpose is **to stop the flow**.

Hexagon Head Pipe Plugs

Metric or Imperial	Thread Size	Flange Diameter (FD)	Length (L)	Material
<input type="checkbox"/> Imperial 44	<input type="checkbox"/> 1 inch 4	<input type="checkbox"/> 14mm 8	<input type="checkbox"/> 8mm 4	<input type="checkbox"/> Black Marine Stainless Steel (A4) 24
<input type="checkbox"/> Metric 52	<input type="checkbox"/> 1.1/2 inch 4	<input type="checkbox"/> 17mm 4	<input type="checkbox"/> 17mm 8	<input type="checkbox"/> Black Stainless Steel (A2) 24
	<input type="checkbox"/> 1.1/4 inch 4	<input type="checkbox"/> 18mm 4	<input type="checkbox"/> 21mm 20	<input type="checkbox"/> Marine Stainless Steel (A4) 24
	<input type="checkbox"/> 1.3/4 inch 4	<input type="checkbox"/> 19mm 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> Stainless Steel (A2) 24
	<input type="checkbox"/> 1/2 inch 4	<input type="checkbox"/> 21mm 4	<input type="checkbox"/> 26mm 12	
	<input type="checkbox"/> 1/4 inch 4	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> 27mm 4	
	<input type="checkbox"/> 1/8 inch 4	<input type="checkbox"/> 23mm 4	<input type="checkbox"/> 30mm 20	
	<input type="checkbox"/> 2 inch 4	<input type="checkbox"/> 25mm 4	<input type="checkbox"/> 32mm 4	

Hexagon Head Pipe Plugs

Metric or Imperial	Thread Size	Flange Diameter (FD)	Length (L)	Material
<input type="checkbox"/> Imperial 44	<input type="checkbox"/> 3/4 inch 4	<input type="checkbox"/> 26mm 8	<input type="checkbox"/> 21mm 20	<input type="checkbox"/> Black Marine Stainless Steel (A4) 24
<input type="checkbox"/> Metric 52	<input type="checkbox"/> 3/8 inch 4	<input type="checkbox"/> 27mm 4	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> Black Stainless Steel (A2) 24
	<input type="checkbox"/> 5/8 inch 4	<input type="checkbox"/> 29mm 4	<input type="checkbox"/> 26mm 12	<input type="checkbox"/> Marine Stainless Steel (A4) 24
	<input type="checkbox"/> M8 4	<input type="checkbox"/> 31mm 4	<input type="checkbox"/> 27mm 4	<input type="checkbox"/> Stainless Steel (A2) 24
	<input type="checkbox"/> M10 4	<input type="checkbox"/> 32mm 8	<input type="checkbox"/> 30mm 20	
	<input type="checkbox"/> M12 4	<input type="checkbox"/> 36mm 8	<input type="checkbox"/> 32mm 4	
	<input type="checkbox"/> M14 4	<input type="checkbox"/> 39mm 4	<input type="checkbox"/> 33mm 12	
	<input type="checkbox"/> M16 4	<input type="checkbox"/> 49mm 4	<input type="checkbox"/> 40mm 4	

Hexagon Head Pipe Plugs

Metric or Imperial	Thread Size	Flange Diameter (FD)	Length (L)	Material
<input type="checkbox"/> Imperial 44	<input type="checkbox"/> M16 4	<input type="checkbox"/> 31mm 4	<input type="checkbox"/> 21mm 20	<input type="checkbox"/> Black Marine Stainless Steel (A4) 24
<input type="checkbox"/> Metric 52	<input type="checkbox"/> M18 4	<input type="checkbox"/> 32mm 8	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> Black Stainless Steel (A2) 24
	<input type="checkbox"/> M20 4	<input type="checkbox"/> 36mm 8	<input type="checkbox"/> 26mm 12	<input type="checkbox"/> Marine Stainless Steel (A4) 24
	<input type="checkbox"/> M22 4	<input type="checkbox"/> 39mm 4	<input type="checkbox"/> 27mm 4	<input type="checkbox"/> Stainless Steel (A2) 24
	<input type="checkbox"/> M24 4	<input type="checkbox"/> 49mm 4	<input type="checkbox"/> 30mm 20	
	<input type="checkbox"/> M26 4	<input type="checkbox"/> 55mm 4	<input type="checkbox"/> 32mm 4	
	<input type="checkbox"/> M27 4	<input type="checkbox"/> 62mm 4	<input type="checkbox"/> 33mm 12	
	<input type="checkbox"/> M30 8	<input type="checkbox"/> 68mm 4	<input type="checkbox"/> 40mm 4	

IMPERIAL SOCKET PIPE PLUGS

APPLICATIONS

There are three main purposes of pipe plugs. These are **temporary sealing or stopping the fluid flow in a pipeline, leak testing and by-passing the flow**. They are also used for blocking the ends of pipes to prevent the entry of dirt and other contaminants during construction.



Imperial Socket Pipe Plugs

Thread Size	Length (L)	Drive Width A/F (J)	Material	Finish
<input type="checkbox"/> 1 inch 5	<input type="checkbox"/> 0.5 inch 2	<input type="checkbox"/> 0.25 inch 2	<input type="checkbox"/> Carbon Steel 11	<input type="checkbox"/> Matte Black 18
<input type="checkbox"/> 1.1/2 inch 4	<input type="checkbox"/> 0.25 inch 1	<input type="checkbox"/> 0.186 inch 1	<input type="checkbox"/> Marine Stainless Steel (A4) 18	<input type="checkbox"/> Natural 29
<input type="checkbox"/> 1.1/4 inch 4	<input type="checkbox"/> 0.315 inch 4	<input type="checkbox"/> 0.188 inch 1	<input type="checkbox"/> Stainless Steel (A2) 18	
<input type="checkbox"/> 1/2 inch 6	<input type="checkbox"/> 0.375 inch 1	<input type="checkbox"/> 0.197 inch 4		
<input type="checkbox"/> 1/4 inch 6	<input type="checkbox"/> 0.394 inch 12	<input type="checkbox"/> 0.276 inch 4		
<input type="checkbox"/> 1/8 inch 6	<input type="checkbox"/> 0.437 inch 1	<input type="checkbox"/> 0.312 inch 2		
<input type="checkbox"/> 2 inch 4	<input type="checkbox"/> 0.472 inch 8	<input type="checkbox"/> 0.315 inch 4		
<input type="checkbox"/> 3/4 inch 6	<input type="checkbox"/> 0.562 inch 2	<input type="checkbox"/> 0.375 inch 2		

Imperial Socket Pipe Plugs

Thread Size	Length (L)	Drive Width A/F (J)	Material	Finish
<input type="checkbox"/> 1 inch 5	<input type="checkbox"/> 0.562 inch 2	<input type="checkbox"/> 0.394 inch 4	<input type="checkbox"/> Carbon Steel 11	<input type="checkbox"/> Matte Black 18
<input type="checkbox"/> 1.1/2 inch 4	<input type="checkbox"/> 0.625 inch 1	<input type="checkbox"/> 0.472 inch 4	<input type="checkbox"/> Marine Stainless Steel (A4) 18	<input type="checkbox"/> Natural 29
<input type="checkbox"/> 1.1/4 inch 4	<input type="checkbox"/> 0.687 inch 1	<input type="checkbox"/> 0.562 inch 2	<input type="checkbox"/> Stainless Steel (A2) 18	
<input type="checkbox"/> 1/2 inch 6	<input type="checkbox"/> 0.709 inch 4	<input type="checkbox"/> 0.625 inch 1		
<input type="checkbox"/> 1/4 inch 6	<input type="checkbox"/> 0.787 inch 4	<input type="checkbox"/> 0.669 inch 4		
<input type="checkbox"/> 1/8 inch 6	<input type="checkbox"/> 0.812 inch 1	<input type="checkbox"/> 0.866 inch 4		
<input type="checkbox"/> 2 inch 4	<input type="checkbox"/> 0.866 inch 4	<input type="checkbox"/> 0.945 inch 4		
<input type="checkbox"/> 3/4 inch 6	<input type="checkbox"/> 1 inch 1	<input type="checkbox"/> 1.26 inch 4		

Imperial Socket Pipe Plugs

Thread Size	Length (L)	Drive Width A/F (J)	Material	Finish
<input type="checkbox"/> 1.1/2 inch 4	<input type="checkbox"/> 0.562 inch 2	<input type="checkbox"/> 0.394 inch 4	<input type="checkbox"/> Carbon Steel 11	<input type="checkbox"/> Matte Black 18
<input type="checkbox"/> 1.1/4 inch 4	<input type="checkbox"/> 0.625 inch 1	<input type="checkbox"/> 0.472 inch 4	<input type="checkbox"/> Marine Stainless Steel (A4) 18	<input type="checkbox"/> Natural 29
<input type="checkbox"/> 1/2 inch 6	<input type="checkbox"/> 0.687 inch 1	<input type="checkbox"/> 0.562 inch 2	<input type="checkbox"/> Stainless Steel (A2) 18	
<input type="checkbox"/> 1/4 inch 6	<input type="checkbox"/> 0.709 inch 4	<input type="checkbox"/> 0.625 inch 1		
<input type="checkbox"/> 1/8 inch 6	<input type="checkbox"/> 0.787 inch 4	<input type="checkbox"/> 0.669 inch 4		
<input type="checkbox"/> 2 inch 4	<input type="checkbox"/> 0.812 inch 1	<input type="checkbox"/> 0.866 inch 4		
<input type="checkbox"/> 3/4 inch 6	<input type="checkbox"/> 0.866 inch 4	<input type="checkbox"/> 0.945 inch 4		
<input type="checkbox"/> 3/8 inch 6	<input type="checkbox"/> 1 inch 1	<input type="checkbox"/> 1.26 inch 4		

METRIC SLOTTED BALL AND SPRING SET/GRUB SCREWS



APPLICATIONS

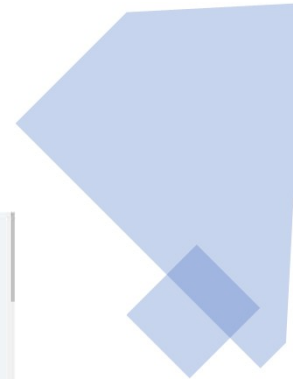
Well, the grub screw is generally used **to secure an item against another item, without the use of a nut.** This is important, because the ability to secure without a nut makes the grub screw very versatile and means that a grub screw can be used in applications that require a very small and unobtrusive fixing.

Metric Slotted Ball And Spring Set / Grub Screws

Metric or Imperial?	Thread Size (D)	Body Length (L)	Material	Finish
<input type="checkbox"/> Metric 18	<input type="checkbox"/> M3 (3mm) 2 <input type="checkbox"/> M4 (4mm) 2 <input type="checkbox"/> M5 (5mm) 2 <input type="checkbox"/> M6 (6mm) 2 <input type="checkbox"/> M8 (8mm) 2 <input type="checkbox"/> M10 (10mm) 2 <input type="checkbox"/> M12 (12mm) 2 <input type="checkbox"/> M16 (16mm) 2	<input type="checkbox"/> 7mm 1 <input type="checkbox"/> 7.5mm 1 <input type="checkbox"/> 10mm 2 <input type="checkbox"/> 13mm 2 <input type="checkbox"/> 15mm 2 <input type="checkbox"/> 17.5mm 2 <input type="checkbox"/> 21mm 2 <input type="checkbox"/> 24.5mm 2	<input type="checkbox"/> Burnished Steel 9 <input type="checkbox"/> Stainless Steel 9	<input type="checkbox"/> Natural 18

Metric Slotted Ball And Spring Set / Grub Screws

Metric or Imperial?	Thread Size (D)	Body Length (L)	Material	Finish
<input type="checkbox"/> Metric 18	<input type="checkbox"/> M4 (4mm) 2 <input type="checkbox"/> M5 (5mm) 2 <input type="checkbox"/> M6 (6mm) 2 <input type="checkbox"/> M8 (8mm) 2 <input type="checkbox"/> M10 (10mm) 2 <input type="checkbox"/> M12 (12mm) 2 <input type="checkbox"/> M16 (16mm) 2 <input type="checkbox"/> M20 (20mm) 2	<input type="checkbox"/> 10mm 2 <input type="checkbox"/> 13mm 2 <input type="checkbox"/> 15mm 2 <input type="checkbox"/> 17.5mm 2 <input type="checkbox"/> 21mm 2 <input type="checkbox"/> 24.5mm 2 <input type="checkbox"/> 27.5mm 2 <input type="checkbox"/> 34mm 2	<input type="checkbox"/> Burnished Steel 9 <input type="checkbox"/> Stainless Steel 9	<input type="checkbox"/> Natural 18



METRIC FLAT HEAD SOCKET PIPE PLUGS



APPLICATIONS

They are used for the temporary sealing or stopping the fluid flow in a pipeline, leak testing and by-passing the flow. They are also used for blocking the ends of pipes to prevent the entry of dirt and other contaminants during construction, maintenance or repair of pipelines

Metric Flat Head Socket Pipe Plugs

Thread Size	Length (L)	Hexagon Width A/F (J)	Material	Finish
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 11mm 4	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 24	<input type="checkbox"/> Matte Black 24
<input type="checkbox"/> M12 (12mm) 4	<input type="checkbox"/> 15mm 12	<input type="checkbox"/> 6mm 8	<input type="checkbox"/> Stainless Steel (A2) 24	<input type="checkbox"/> Natural 24
<input type="checkbox"/> M14 (14mm) 4	<input type="checkbox"/> 16mm 4	<input type="checkbox"/> 8mm 8		
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 18mm 12	<input type="checkbox"/> 10mm 8		
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 20mm 16	<input type="checkbox"/> 12mm 12		
<input type="checkbox"/> M20 (20mm) 4		<input type="checkbox"/> 17mm 8		
<input type="checkbox"/> M22 (22mm) 4				
<input type="checkbox"/> M24 (24mm) 4				

Metric Flat Head Socket Pipe Plugs

Thread Size	Length (L)	Hexagon Width A/F (J)	Material	Finish
<input type="checkbox"/> M16 (16mm) 4	<input type="checkbox"/> 11mm 4	<input type="checkbox"/> 5mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 24	<input type="checkbox"/> Matte Black 24
<input type="checkbox"/> M18 (18mm) 4	<input type="checkbox"/> 15mm 12	<input type="checkbox"/> 6mm 8	<input type="checkbox"/> Stainless Steel (A2) 24	<input type="checkbox"/> Natural 24
<input type="checkbox"/> M20 (20mm) 4	<input type="checkbox"/> 16mm 4	<input type="checkbox"/> 8mm 8		
<input type="checkbox"/> M22 (22mm) 4	<input type="checkbox"/> 18mm 12	<input type="checkbox"/> 10mm 8		
<input type="checkbox"/> M24 (24mm) 4	<input type="checkbox"/> 20mm 16	<input type="checkbox"/> 12mm 12		
<input type="checkbox"/> M26 (26mm) 4		<input type="checkbox"/> 17mm 8		
<input type="checkbox"/> M27 (27mm) 4				
<input type="checkbox"/> M30 (30mm) 8				



SELF TAPPING INSERTS



APPLICATIONS

Threaded inserts are commonly used in plastic casings, housing, and parts **to create a metal thread (typically: brass or stainless steel) to allow for screws to be used in the assembly of many consumer electronics and consumer products.**

Self Tapping Inserts

Internal Thread Size (d)	Length (L)	External Diameter (D)	Material	Finish
<input type="checkbox"/> M3 (3mm) 2	<input type="checkbox"/> 6mm 2	<input type="checkbox"/> 5mm 2	<input type="checkbox"/> Stainless Steel (A1) 22	<input type="checkbox"/> Matte Black 11
<input type="checkbox"/> M4 (4mm) 2	<input type="checkbox"/> 8mm 2	<input type="checkbox"/> 6.5mm 2		<input type="checkbox"/> Natural 11
<input type="checkbox"/> M5 (5mm) 2	<input type="checkbox"/> 10mm 2	<input type="checkbox"/> 8mm 2		
<input type="checkbox"/> M6 (6mm) 2	<input type="checkbox"/> 14mm 2	<input type="checkbox"/> 10mm 2		
<input type="checkbox"/> M8 (8mm) 2	<input type="checkbox"/> 15mm 2	<input type="checkbox"/> 12mm 2		
<input type="checkbox"/> M10 (10mm) 2	<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 14mm 2		
<input type="checkbox"/> M12 (12mm) 2	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> 16mm 2		
<input type="checkbox"/> M14 (14mm) 2	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 18mm 2		

Self Tapping Inserts

Internal Thread Size (d)	Length (L)	External Diameter (D)	Material	Finish
<input type="checkbox"/> M6 (6mm) 2	<input type="checkbox"/> 8mm 2	<input type="checkbox"/> 10mm 2	<input type="checkbox"/> Stainless Steel (A1) 22	<input type="checkbox"/> Matte Black 11
<input type="checkbox"/> M8 (8mm) 2	<input type="checkbox"/> 10mm 2	<input type="checkbox"/> 12mm 2		<input type="checkbox"/> Natural 11
<input type="checkbox"/> M10 (10mm) 2	<input type="checkbox"/> 14mm 2	<input type="checkbox"/> 14mm 2		
<input type="checkbox"/> M12 (12mm) 2	<input type="checkbox"/> 15mm 2	<input type="checkbox"/> 16mm 2		
<input type="checkbox"/> M14 (14mm) 2	<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 18mm 2		
<input type="checkbox"/> M16 (16mm) 2	<input type="checkbox"/> 22mm 4	<input type="checkbox"/> 20mm 2		
<input type="checkbox"/> M18 (18mm) 2	<input type="checkbox"/> 24mm 4	<input type="checkbox"/> 22mm 2		
<input type="checkbox"/> M20 (20mm) 2	<input type="checkbox"/> 27mm 2	<input type="checkbox"/> 26mm 2		

THREADED WELD STUDS



APPLICATIONS

- Automotive
- Construction
- Catering and Food Processing
- Decorative and Consumer Items
- Electrical Items
- Farming and Agriculture
- Furniture
- Heating and Ventilation
- Industrial
- Shipbuilding
- Signs and Lettering

Threaded Weld Studs

Thread Size	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M3 (3mm) 20	<input type="checkbox"/> 6mm 6	<input type="checkbox"/> 4.7mm - 4.3mm 20	<input type="checkbox"/> Stainless Steel (A2) 150	<input type="checkbox"/> Matte Black 75
<input type="checkbox"/> M4 (4mm) 28	<input type="checkbox"/> 8mm 10	<input type="checkbox"/> 5.7mm - 5.3mm 28		<input type="checkbox"/> Natural 75
<input type="checkbox"/> M5 (5mm) 28	<input type="checkbox"/> 10mm 10	<input type="checkbox"/> 6.7mm - 6.3mm 26		
<input type="checkbox"/> M6 (6mm) 26	<input type="checkbox"/> 12mm 12	<input type="checkbox"/> 7.7mm - 7.3mm 28		
<input type="checkbox"/> M8 (8mm) 26	<input type="checkbox"/> 16mm 12	<input type="checkbox"/> 11mm - 9mm 26		
<input type="checkbox"/> M10 (10mm) 22	<input type="checkbox"/> 20mm 12	<input type="checkbox"/> 12mm - 10mm 22		
	<input type="checkbox"/> 25mm 12			
	<input type="checkbox"/> 30mm 12			

Threaded Weld Studs

Thread Size	Length (L)	Head Diameter (D)	Material	Finish
<input type="checkbox"/> M3 (3mm) 20	<input type="checkbox"/> 25mm 12	<input type="checkbox"/> 4.7mm - 4.3mm 20	<input type="checkbox"/> Stainless Steel (A2) 150	<input type="checkbox"/> Matte Black 75
<input type="checkbox"/> M4 (4mm) 28	<input type="checkbox"/> 30mm 12	<input type="checkbox"/> 5.7mm - 5.3mm 28		<input type="checkbox"/> Natural 75
<input type="checkbox"/> M5 (5mm) 28	<input type="checkbox"/> 35mm 12	<input type="checkbox"/> 6.7mm - 6.3mm 26		
<input type="checkbox"/> M6 (6mm) 26	<input type="checkbox"/> 40mm 12	<input type="checkbox"/> 7.7mm - 7.3mm 28		
<input type="checkbox"/> M8 (8mm) 26	<input type="checkbox"/> 45mm 10	<input type="checkbox"/> 11mm - 9mm 26		
<input type="checkbox"/> M10 (10mm) 22	<input type="checkbox"/> 50mm 10	<input type="checkbox"/> 12mm - 10mm 22		
	<input type="checkbox"/> 55mm 10			
	<input type="checkbox"/> 60mm 10			

TRAPEZOIDAL LEADSCREWS

APPLICATIONS

Trapezoidal lead screws are used for fast movements lead screws with large threads are the best choice, while small threads should be chosen for transmitting large forces. They are the most common forms used for **lead screws (power screws)**. They are typically found where large loads are required, as in a vise or the lead screw of a lathe.



Trapezoidal Leadscrews - Stainless Steel (A2)

Lead screw diameter (D)	Lead (L)	Number of starts	Lead screw length (N)	Screw hand
<input type="checkbox"/> 12mm 3	<input type="checkbox"/> 3mm 2	<input type="checkbox"/> 1 18	<input type="checkbox"/> 1000mm 23	<input type="checkbox"/> Left 8
<input type="checkbox"/> 14mm 2	<input type="checkbox"/> 4mm 8	<input type="checkbox"/> 2 5		<input type="checkbox"/> Right 15
<input type="checkbox"/> 16mm 3	<input type="checkbox"/> 5mm 6			
<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 6mm 3			
<input type="checkbox"/> 20mm 3	<input type="checkbox"/> 8mm 2			
<input type="checkbox"/> 24mm 2	<input type="checkbox"/> 10mm 1			
<input type="checkbox"/> 25mm 3	<input type="checkbox"/> 12mm 1			
<input type="checkbox"/> 26mm 1				

Trapezoidal Leadscrews - Stainless Steel (A2)

Lead screw diameter (D)	Lead (L)	Number of starts	Lead screw length (N)	Screw hand
<input type="checkbox"/> 16mm 3	<input type="checkbox"/> 3mm 2	<input type="checkbox"/> 1 18	<input type="checkbox"/> 1000mm 23	<input type="checkbox"/> Left 8
<input type="checkbox"/> 18mm 2	<input type="checkbox"/> 4mm 8	<input type="checkbox"/> 2 5		<input type="checkbox"/> Right 15
<input type="checkbox"/> 20mm 3	<input type="checkbox"/> 5mm 6			
<input type="checkbox"/> 24mm 2	<input type="checkbox"/> 6mm 3			
<input type="checkbox"/> 25mm 3	<input type="checkbox"/> 8mm 2			
<input type="checkbox"/> 26mm 1	<input type="checkbox"/> 10mm 1			
<input type="checkbox"/> 28mm 1	<input type="checkbox"/> 12mm 1			
<input type="checkbox"/> 30mm 3				

SELF DRILLING FLANGED HEXAGON BOLTS



APPLICATIONS

Self-drilling screws can be used for a wide variety of applications which involve fastening two different types of materials together. They are commonly used **to fasten metal to wood, or even metal to metal.**

Self Drilling Flanged Hexagon Bolts

Thread Size (T)	Overall Length (L)	Hexagon Width Across Flats (J)	Material	Finish
<input type="checkbox"/> No.6 (3.5mm) 12	<input type="checkbox"/> 9.5mm 2	<input type="checkbox"/> 5.5mm 26	<input type="checkbox"/> Stainless Steel (A2) 133	<input type="checkbox"/> Matte Black 66
<input type="checkbox"/> No.7 (3.9mm) 14	<input type="checkbox"/> 13mm 8	<input type="checkbox"/> 7mm 16	<input type="checkbox"/> Stainless Steel (A4) / Carbon Steel Tip 4	<input type="checkbox"/> Natural 71
<input type="checkbox"/> No.8 (4.2mm) 16	<input type="checkbox"/> 16mm 12	<input type="checkbox"/> 8mm 62		
<input type="checkbox"/> No.10 (4.8mm) 26	<input type="checkbox"/> 19mm 12	<input type="checkbox"/> 10mm 28		
<input type="checkbox"/> No.12 (5.5mm) 41	<input type="checkbox"/> 22mm 12	<input type="checkbox"/> 10.5mm 5		
<input type="checkbox"/> No.14 (6.3mm) 28	<input type="checkbox"/> 25mm 13			
	<input type="checkbox"/> 28mm 2			
	<input type="checkbox"/> 30mm 2			

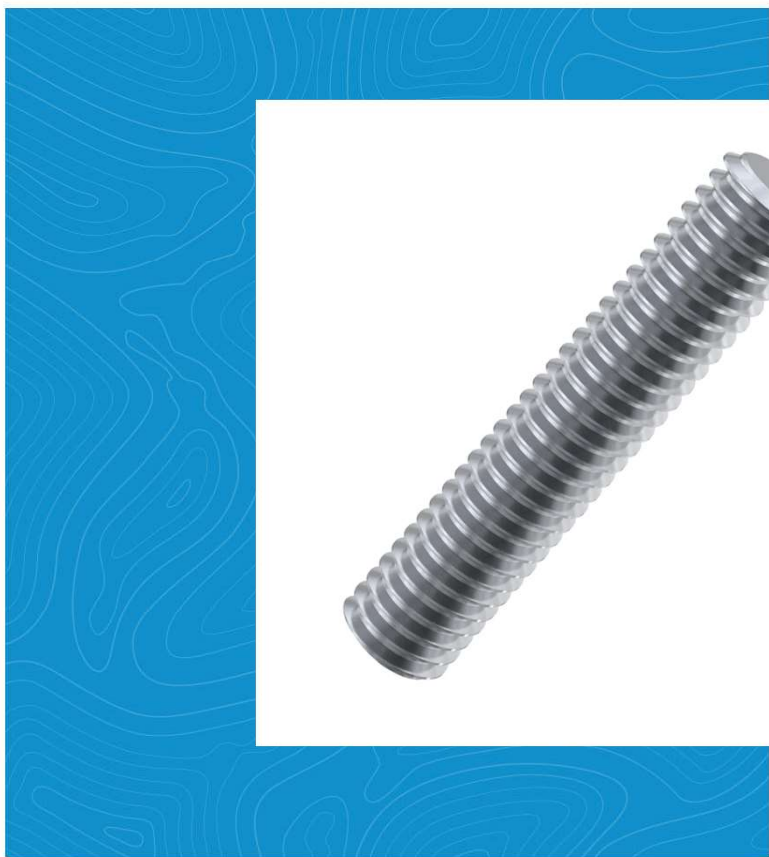
Self Drilling Flanged Hexagon Bolts

Thread Size (T)	Overall Length (L)	Hexagon Width Across Flats (J)	Material	Finish
<input type="checkbox"/> No.6 (3.5mm) 12	<input type="checkbox"/> 32mm 11	<input type="checkbox"/> 5.5mm 26	<input type="checkbox"/> Stainless Steel (A2) 133	<input type="checkbox"/> Matte Black 66
<input type="checkbox"/> No.7 (3.9mm) 14	<input type="checkbox"/> 35mm 4	<input type="checkbox"/> 7mm 16	<input type="checkbox"/> Stainless Steel (A4) / Carbon Steel Tip 4	<input type="checkbox"/> Natural 71
<input type="checkbox"/> No.8 (4.2mm) 16	<input type="checkbox"/> 38mm 11	<input type="checkbox"/> 8mm 62		
<input type="checkbox"/> No.10 (4.8mm) 26	<input type="checkbox"/> 45mm 6	<input type="checkbox"/> 10mm 28		
<input type="checkbox"/> No.12 (5.5mm) 41	<input type="checkbox"/> 50mm 9	<input type="checkbox"/> 10.5mm 5		
<input type="checkbox"/> No.14 (6.3mm) 28	<input type="checkbox"/> 60mm 6			
	<input type="checkbox"/> 65mm 1			
	<input type="checkbox"/> 70mm 4			

Self Drilling Flanged Hexagon Bolts

Thread Size (T)	Overall Length (L)	Hexagon Width Across Flats (J)	Material	Finish
<input type="checkbox"/> No.6 (3.5mm) 12	<input type="checkbox"/> 70mm 4	<input type="checkbox"/> 5.5mm 26	<input type="checkbox"/> Stainless Steel (A2) 133	<input type="checkbox"/> Matte Black 66
<input type="checkbox"/> No.7 (3.9mm) 14	<input type="checkbox"/> 75mm 2	<input type="checkbox"/> 7mm 16	<input type="checkbox"/> Stainless Steel (A4) / Carbon Steel Tip 4	<input type="checkbox"/> Natural 71
<input type="checkbox"/> No.8 (4.2mm) 16	<input type="checkbox"/> 80mm 2	<input type="checkbox"/> 8mm 62		
<input type="checkbox"/> No.10 (4.8mm) 26	<input type="checkbox"/> 90mm 6	<input type="checkbox"/> 10mm 28		
<input type="checkbox"/> No.12 (5.5mm) 41	<input type="checkbox"/> 100mm 4	<input type="checkbox"/> 10.5mm 5		
<input type="checkbox"/> No.14 (6.3mm) 28	<input type="checkbox"/> 110mm 4			
	<input type="checkbox"/> 120mm 2			
	<input type="checkbox"/> 150mm 2			

METRIC LEFT HAND THREADED BARS



APPLICATIONS

Left-Hand Thread is the term that is used for a thread where the nut tightens in the opposite direction to normal. It is **commonly used on items that rotate in a manner that could cause a normal right-handed nut to loosen**; for example, the pedal of a bicycle on the left-hand side.

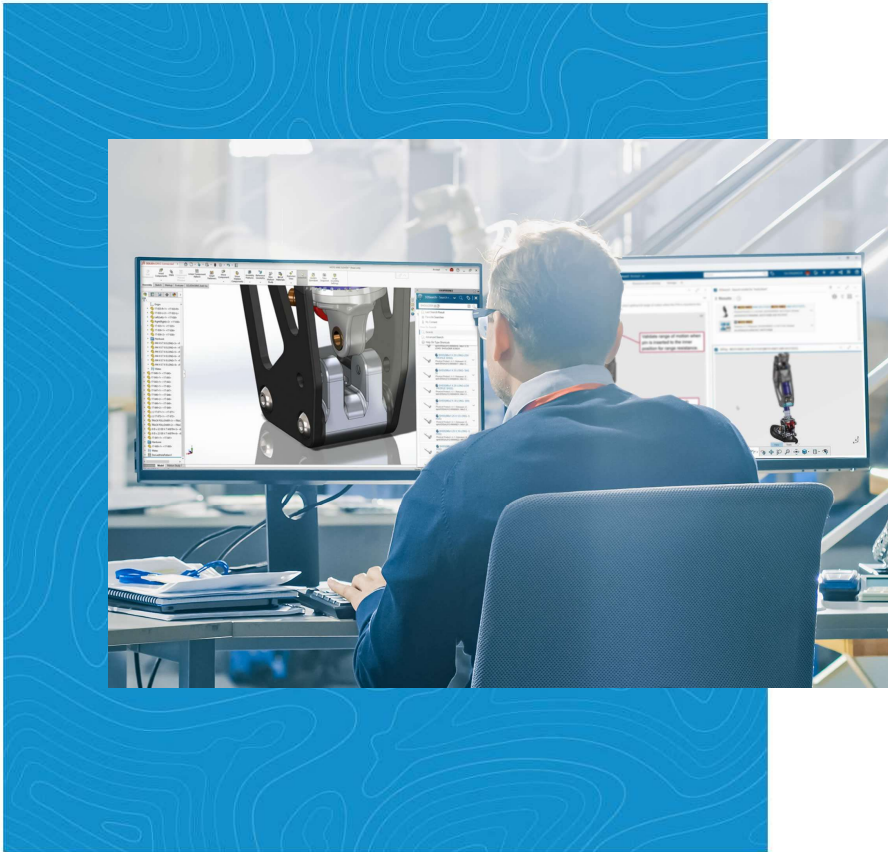
Metric Threaded Bars

Thread Size (T)	Length (L)	Thread Pitch	Material	Finish
<input type="checkbox"/> M2 (2mm) 2	<input type="checkbox"/> 12mm 2	<input type="checkbox"/> 0.4mm 2	<input type="checkbox"/> Brass 8	<input type="checkbox"/> Natural 430
<input type="checkbox"/> M2.5 (2.5mm) 2	<input type="checkbox"/> 16mm 4	<input type="checkbox"/> 0.45mm 2	<input type="checkbox"/> Duplex Stainless Steel 7	<input type="checkbox"/> Zinc Plated 6
<input type="checkbox"/> M3 (3mm) 5	<input type="checkbox"/> 20mm 6	<input type="checkbox"/> 0.5mm 5	<input type="checkbox"/> High Tensile Stainless Steel (A4-80) 8	<input type="checkbox"/> Zinc and Clear Passivated 12
<input type="checkbox"/> M4 (4mm) 6	<input type="checkbox"/> 25mm 8	<input type="checkbox"/> 0.7mm 6	<input type="checkbox"/> High Tensile Steel (8.8) 21	
<input type="checkbox"/> M5 (5mm) 6	<input type="checkbox"/> 30mm 10	<input type="checkbox"/> 0.8mm 6	<input type="checkbox"/> High Tensile Steel (10.9) 10	
<input type="checkbox"/> M6 (6mm) 47	<input type="checkbox"/> 35mm 10	<input type="checkbox"/> 1mm 47	<input type="checkbox"/> Marine Stainless Steel (A4) 183	
<input type="checkbox"/> M8 (8mm) 57	<input type="checkbox"/> 40mm 12	<input type="checkbox"/> 1.25mm 57	<input type="checkbox"/> Mild Steel (Grade 4.6) 30	
<input type="checkbox"/> M10 (10mm) 59	<input type="checkbox"/> 45mm 12	<input type="checkbox"/> 1.5mm 59		

Metric Left Hand Thread Threaded Bars

Thread Size (T)	Length (L)	Pitch	Material	Finish
<input type="checkbox"/> M8 (8mm) 4	<input type="checkbox"/> 1000mm 44	<input type="checkbox"/> 0.8mm 4	<input type="checkbox"/> Black Stainless Steel (A2) 1	<input type="checkbox"/> Matte Black 22
<input type="checkbox"/> M10 (10mm) 4		<input type="checkbox"/> 1mm 4	<input type="checkbox"/> Marine Stainless Steel (A4) 24	<input type="checkbox"/> Natural 22
<input type="checkbox"/> M12 (12mm) 4		<input type="checkbox"/> 1.25mm 4	<input type="checkbox"/> Stainless Steel (A2) 19	
<input type="checkbox"/> M14 (14mm) 2		<input type="checkbox"/> 1.5mm 4		
<input type="checkbox"/> M16 (16mm) 4		<input type="checkbox"/> 1.75mm 4		
<input type="checkbox"/> M18 (18mm) 2		<input type="checkbox"/> 2mm 6		
<input type="checkbox"/> M20 (20mm) 4		<input type="checkbox"/> 2.5mm 6		
<input type="checkbox"/> M24 (24mm) 4		<input type="checkbox"/> 3mm 4		

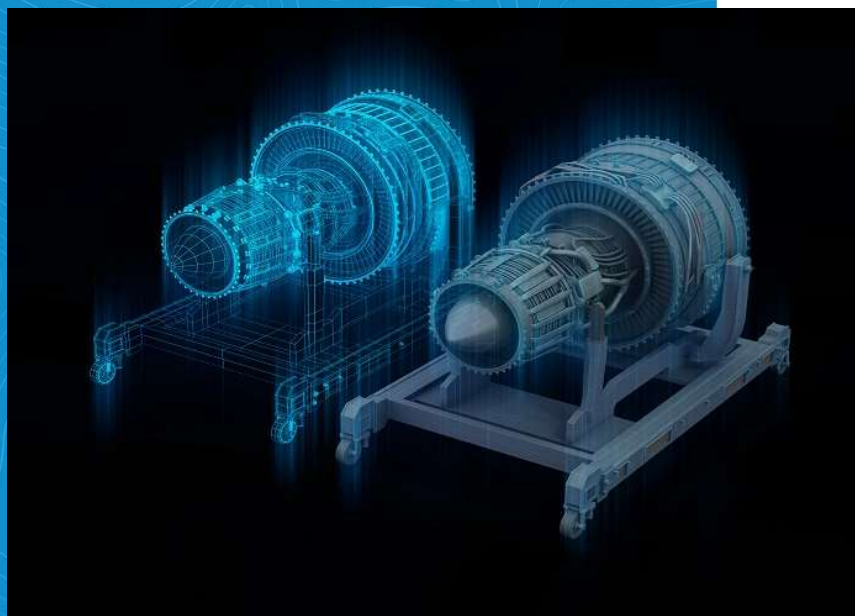
HARDWARE FITTINGS



APPLICATIONS

These are structural components such as **frame members, pipe plugs, axles, self tapping inserts, studs, fasteners, seals, and leadscrews**. These are mechanisms that control movement in various ways such as gear trains, belt or chain drives, linkages, cam and follower systems, including brakes and clutches. They are used from Automotive, Aerospace, and Manufacturing applications, etc.

HARDWARE FITTINGS IN CATALOGUE



290. CASTORS WITH BOLT HOLE

292. CONICAL WITH HANDLES

294. STANDARD HANDWHEEL

296. GRIP KNOBS

298. QUARTER TURN LOCKS

CASTORS WITH BOLT HOLE



APPLICATIONS

Bolt-hole casters **can be attached to racks, carts, furniture, and other equipment to allow them to roll, which reduces the effort required to move or reposition the equipment.** Also known as hollow-kingpin casters, they have an open hole that provides versatility when mounting the casters to equipment.

Industrial Castors With Bolt Hole

Wheel Diameter (D)	Wheel Width (T)	Fixing Plate Diameter (d)	Fixing Hole Diameter (F)	Material
<input type="checkbox"/> 40mm 2	<input type="checkbox"/> 17mm 2	<input type="checkbox"/> 33.5mm 14	<input type="checkbox"/> 9mm 2	<input type="checkbox"/> Stainless Steel 8
<input type="checkbox"/> 50mm 8	<input type="checkbox"/> 17.5mm 1	<input type="checkbox"/> 48mm 24	<input type="checkbox"/> 10mm 14	<input type="checkbox"/> Steel 52
<input type="checkbox"/> 60mm 8	<input type="checkbox"/> 18mm 4	<input type="checkbox"/> 57mm 16	<input type="checkbox"/> 10.9mm 2	
<input type="checkbox"/> 63mm 4	<input type="checkbox"/> 18.5mm 3	<input type="checkbox"/> 64mm 6	<input type="checkbox"/> 12mm 38	
<input type="checkbox"/> 75mm 4	<input type="checkbox"/> 20mm 4		<input type="checkbox"/> 13.2mm 2	
<input type="checkbox"/> 80mm 14	<input type="checkbox"/> 21.5mm 4		<input type="checkbox"/> 15.6mm 2	
<input type="checkbox"/> 100mm 10	<input type="checkbox"/> 22mm 15			
<input type="checkbox"/> 125mm 10	<input type="checkbox"/> 23mm 3			

Industrial Castors With Bolt Hole

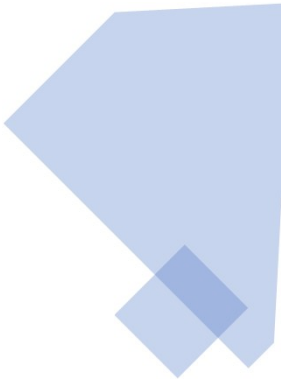
Wheel Diameter (D)	Wheel Width (T)	Fixing Plate Diameter (d)	Fixing Hole Diameter (F)	Material
<input type="checkbox"/> 40mm 2	<input type="checkbox"/> 21.5mm 4	<input type="checkbox"/> 33.5mm 14	<input type="checkbox"/> 9mm 2	<input type="checkbox"/> Stainless Steel 8
<input type="checkbox"/> 50mm 8	<input type="checkbox"/> 22mm 15	<input type="checkbox"/> 48mm 24	<input type="checkbox"/> 10mm 14	<input type="checkbox"/> Steel 52
<input type="checkbox"/> 60mm 8	<input type="checkbox"/> 23mm 3	<input type="checkbox"/> 57mm 16	<input type="checkbox"/> 10.9mm 2	
<input type="checkbox"/> 63mm 4	<input type="checkbox"/> 24mm 2	<input type="checkbox"/> 64mm 6	<input type="checkbox"/> 12mm 38	
<input type="checkbox"/> 75mm 4	<input type="checkbox"/> 27mm 12		<input type="checkbox"/> 13.2mm 2	
<input type="checkbox"/> 80mm 14	<input type="checkbox"/> 28mm 4		<input type="checkbox"/> 15.6mm 2	
<input type="checkbox"/> 100mm 10	<input type="checkbox"/> 30mm 4			
<input type="checkbox"/> 125mm 10	<input type="checkbox"/> 39mm 2			

CONICAL HANDLES



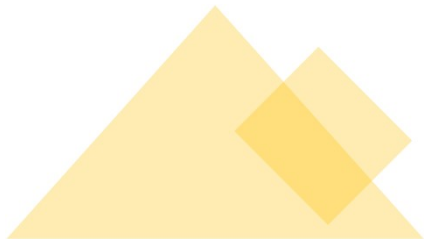
APPLICATIONS

Handles are rounded handles that **users can firmly and comfortably hold onto a piece of machinery or operate a control.** The devices may be axisymmetric, spherical, or T-shaped. Handles are used to transmit a force between a person's hand and an object.



Conical Handles

Thread Size (d)	Thread Length (E)	Knob Length (L)	Material	Finish
<input type="checkbox"/> M6 (6mm) 2 ^	<input type="checkbox"/> 10mm 4 ^	<input type="checkbox"/> 50mm 5 ^	<input type="checkbox"/> Polyamide 15 ^	<input type="checkbox"/> Black 15 ^
<input type="checkbox"/> M8 (8mm) 7	<input type="checkbox"/> 23mm 3	<input type="checkbox"/> 60mm 2		
<input type="checkbox"/> M10 (10mm) 5	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> 70mm 3		
<input type="checkbox"/> M12 (12mm) 1	<input type="checkbox"/> 31mm 2	<input type="checkbox"/> 80mm 3		
	<input type="checkbox"/> 32mm 2	<input type="checkbox"/> 89.5mm 2		



STANDARD HANDWHEEL

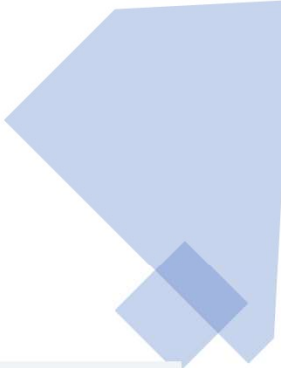
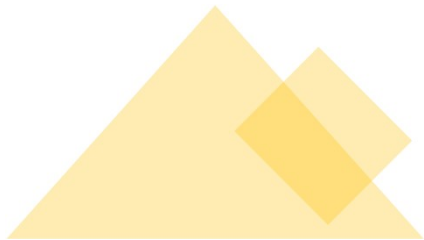


APPLICATIONS

There are many applications for handwheels. Some devices are used to **manually operate valves**. Others are used to adjust tables and cutters on machine tools, or to manually drive presses. In the printing industry, handwheels are used to regulate roll tension and feed paper and other materials

Standard Handwheels

Thread Size	Handwheel Diameter (D)	Wheel Shape	Material	Finish
<input type="checkbox"/> M6 (6mm) 12	<input type="checkbox"/> 30mm 4	<input type="checkbox"/> Scalloped 25	<input type="checkbox"/> Polyamide 49	<input type="checkbox"/> Black 49
<input type="checkbox"/> M8 (8mm) 33	<input type="checkbox"/> 40mm 24	<input type="checkbox"/> Star 11		
<input type="checkbox"/> M10 (10mm) 4	<input type="checkbox"/> 45mm 2	<input type="checkbox"/> Triangular 13		
	<input type="checkbox"/> 50mm 7			
	<input type="checkbox"/> 60mm 12			

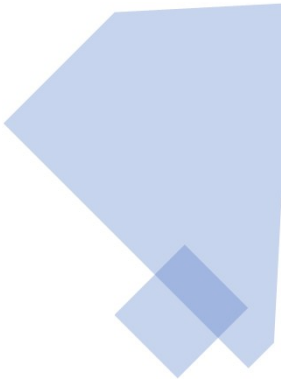


GRIP KNOBS



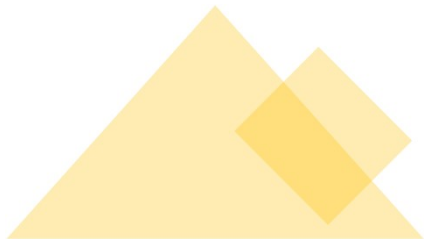
APPLICATIONS

Suitable for confined spaces. Available with knurled texture for no-slip grip. Female Grip Hand Knobs have rough ridges around the outside of the handle creating a firm gripping surface that is also comfortable. These durable knobs fit onto male applications and are resistant to oils, fuels, and greases.



Grip Knobs

Thread Size	Overall Diameter (D)	Overall Height (H)	Male or Female	Material
<input type="checkbox"/> M4 (4mm) 7 ^	<input type="checkbox"/> 14mm 1 ^	<input type="checkbox"/> 11mm 4 ^	<input type="checkbox"/> Female 9 ^	<input type="checkbox"/> Phenolic 3 ^
<input type="checkbox"/> M5 (5mm) 7	<input type="checkbox"/> 15mm 8	<input type="checkbox"/> 16mm 5	<input type="checkbox"/> Male 20	<input type="checkbox"/> Polyamide 26
<input type="checkbox"/> M6 (6mm) 9	<input type="checkbox"/> 20mm 2	<input type="checkbox"/> 26mm 2		
<input type="checkbox"/> M8 (8mm) 6	<input type="checkbox"/> 22mm 4			
	<input type="checkbox"/> 23mm 10			
	<input type="checkbox"/> 28mm 4			



QUARTER TURN LOCKS

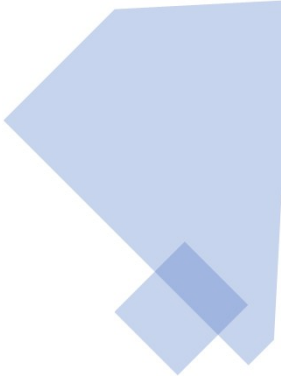
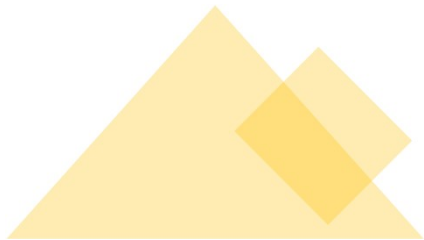


APPLICATIONS

Quarter-turn locks can be used **to hold closed all sorts of hatches, switch cabinets, metal lockers, machine doors** etc. They are easy to operate and very robust. They are ideal for cabinet construction, for all branches of transport and for assembly and logistics vehicles.

Quarter Turn Locks

Head Style	Grip Range (H)	Handle Type	Material	Finish
	<input type="checkbox"/> 20mm 8	<input type="checkbox"/> Left / Right Hand 24	<input type="checkbox"/> Die-Cast Zinc Alloy 24	<input type="checkbox"/> Black Coated 12
	<input type="checkbox"/> 27mm 8			<input type="checkbox"/> Chrome Plated 12
	<input type="checkbox"/> 30mm 8			



Oil and Gas Applications

SPECIALIST BOLTS



In this section of the catalogue, we will basically give the properties of the bolts that we use in the oil and gas industry. Applications include Pressure Vessels, Pumps, Valves, Actuators, well heads, pipeline Fabrications, petrochemical plants and drilling equipment.

OFFSHORE OIL RIG

APPLICATION



There is need for reliability of fasteners, bolts and nuts because of the harsh environment. We use a wide range of materials which are namely (AISI 4340, A453, Grade 660 ABCD, Duplex and Super duplex UNS 32760, Inconel 718 and 625) Applications include BOP, Christmas Trees, Riser Bolts Structures, Piping, Spool, Flow lines and moorings.

PETROCHEMICAL APPLICATIONS



In terms of materials, we offer the following grades namely **AISI 4340, A453, Grade 660, Duplex and Super Duplex UNS 32760, Inconel 718 and 625)** . Other applications include BOP, Christmas Trees, Riser Bolt Structures, Piping, Spool, Flow line, Moorings, etc.

PETROCHEMICAL APPLICATION CONTD.



Our products are used in the chemical and Petrochemical industries and there are used in equipment such as heat exchangers, valves, pressure vessels. Our finished products include threaded rods, studs, nuts, washers, and semi finished products (bars, hex blanks, nut blanks, socket blanks, etc). Parts such as stud bolts, nuts, socket screws, washers, hex bolts with the relevant coatings. The standards we work with include EN, AFNOR, DIN, ANSI, ASTM, RCCM standards.

CONSTRUCTION APPLICATION



Modern construction requires that very quality bolt and stud materials which will not fail when load is applied on it. Therefore, we are dedicated to the make sure that we deliver high grade fasteners for your specific construction requirements in line with global standards.

STUDS USED IN CONSTRUCTION



Our products are approved to ISO 9001:2008, ISO 14001:2004 and OHAS 18001.

We have strict quality control checks for all our products and throughout all stages of production. We understand the ripple effect of poor quality when it comes to fasteners in the construction, and we have solutions to the problems. We can manufacture from M12 - M30 including other sizes.

CONCLUSION



We want to thank you for taking out time to go through this catalogue. Upon request we will send you a detailed document of any part you might wish to buy from us.

Also, we will send you an invoice which will include the cost of the part as it is not mentioned in the document, plus shipping arrangement and all the information you may require.

We hope to shake hands with you as we offer our world class service to your organisation. Welcome on board.

CONTACTS



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Thank You

We make and bring your idea to **life**