



Sherex Fastening Solutions®

Fastening Systems Engineered
for Performance™

Sherex Full Metric Catalog



info@sherex.com • www.sherex.com

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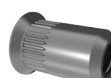
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Company

Sherex Industries was founded in 1979 in Buffalo, NY primarily serving the Automotive and Fluid Power markets. In 2004, the rivet nut division was spun off and became Sherex Fastening Solutions. Throughout our 40 year history, we've remained steadfast in our mission to deliver high quality fastening solutions at the lowest total installed cost. We've expanded and improved our offerings and services by creating proprietary rivet nut products, forming strategic partnerships, and establishing world-class production facilities and customer support centers in Taiwan, Malaysia, Ireland, China, Mexico, U.K., Poland, and the US.

In 2024, Sherex was acquired by PennEngineering, joining their ecosystem of world-class fastening companies, including PEM®, PROFIL®, Haeger®, PEM® China, Heyco® and MDS.

We've assembled a team of experienced, knowledgeable engineering and technical sales professionals that are dedicated to exceeding our customers' needs by collaborating to create customized, application-specific solutions.

Quality

Each Sherex manufacturing facility is led by a team of seasoned engineering professionals charged with ensuring all products meet stringent quality requirements. Our facilities are certified to AS9100, ISO 9001:2015, ISO 14001:2015, and IATF 16949:2016. The Sherex Quality Management System, and our use of SPC (Statistical Process Control) ensures that all of our products are manufactured using reliable, repeatable, and compliant processes.

We also use tensile testing, accelerated corrosion salt spray testing machines, torque testing, standard measurement and gauging equipment, and optical sorting machines to ensure world class product quality. Please contact us for more information on our quality certifications and processes.

Industries

Rivet nuts are used in a variety of industries:

- | | | | |
|--------------------------|--------------------------|---------------|---------------------|
| ▪ Automotive | ▪ Construction Equipment | ▪ Railways | ▪ Data Centers |
| ▪ HVAC | ▪ General Industrial | ▪ Heavy Truck | ▪ Server Racks |
| ▪ Aerospace and Defense | ▪ Electronics | ▪ Solar | ▪ BESS |
| ▪ Agricultural Equipment | ▪ Medical | ▪ Wind Power | ▪ Fitness Equipment |





Global Presence

Sherex provides service and support to our customers around the world through a network of sales offices, technical support centers, distribution hubs, and manufacturing facilities.

World Class Manufacturing Facilities

Sherex has five strategically-located, ISO and IATF certified manufacturing facilities in Chungli City, Taiwan, Seremban, Malaysia, Kunshan China, Galway Ireland, and Danboro, PA, that produce a wide variety of fasteners.



PennEngineering Galway

PennEngineering Galway serves as the company's European headquarters and operates as a center of excellence for European innovation. From its Galway facility, PEM produces Innovative fastening solutions, including self-clinching fasteners, rivet nuts, and other specialty fasteners.



PennEngineering Malaysia

PennEngineering Malaysia specializes in using cold forming technology to produce rivet nuts, rivet nut studs, and specialty fasteners for high-volume production.



PennEngineering Kunshan

PennEngineering Kunshan produces prototypes, and high volume rivet nut, rivet nut studs, and specialty fasteners to serve the China and Asia market.



Sherex Danboro, Pennsylvania

Sherex Danboro manufactures MS/NAS fasteners, Sherex standard rivet nuts, and other specialty parts using cold forming and machining technologies. Our small and large batch production capabilities allow us to offer reduced lead times and low minimum order quantities.



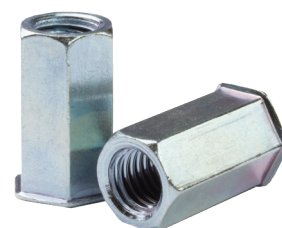
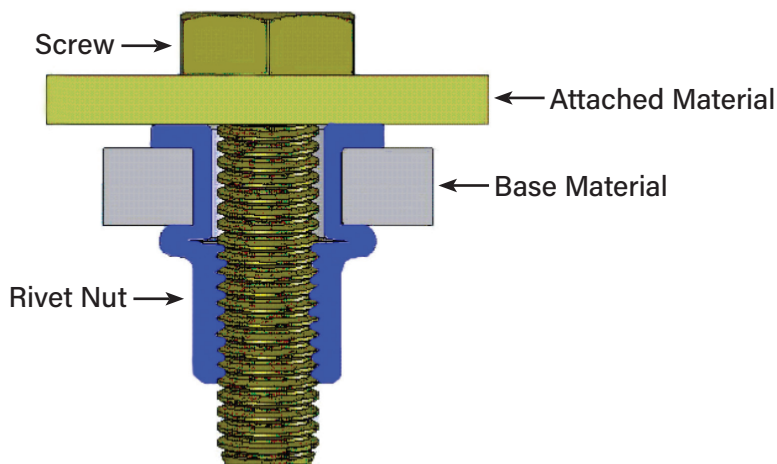
Sherex Taiwan

Sherex Taiwan specializes in using cold forming technology to produce rivet nuts, rivet nut studs, and specialty designs for both prototype and high-volume production.

Introduction to Rivet Nuts

Blind Rivet Nuts provide load-bearing threads in thin sheet materials that are too thin for a tapped thread. They are called "blind" because they can be installed from one side of the work piece.

Once the rivet nut is installed, additional components can be attached using threaded fasteners.



Advantages of Rivet Nuts

- Provide a strong thread in thin materials that cannot be tapped
- Can be installed from one side of the work piece as a "Blind Application"
- Are ideal when easy disassembly and reassembly of products is required
- Can be installed in many different kinds of material including steel, plastic and fiberglass
- High strength rivet nuts can meet Class 10/Grade 8 thread proof load
- Once Rivet Nuts are installed, additional components with threaded fasteners can be attached
- Prepainted material will not be damaged during the Rivet Nut installation process
- Rivet Nuts are available in many different styles & materials for many different types of applications
- Ideal replacement for weld nuts:
 - More efficient, simple installation
 - Will not distort base material
 - Eliminate weld spatter, toxic fumes, and other by-products of the welding process

Metric Body Styles

- Metric body styles are designed to be placed into metric drilled or punched holes
- Many metric body styles are available with metric or inch threads
- Metric body style products can be manufactured at our Malaysia, Taiwan, Galway, Kunshan, and United States manufacturing facilities
- Special designs are available to meet customer specific requirements. Contact Sherex with your application information



Unified Body Styles

- Unified body styles are designed to be placed in fractional or inch drill/punch hole sizes
- They are the most common styles used in the North American marketplace
- Most inch/imperial body styles are available with metric or inch threads
- Unified body style products can be manufactured at our Malaysia, Taiwan, Galway, Kunshan, and United States manufacturing facilities



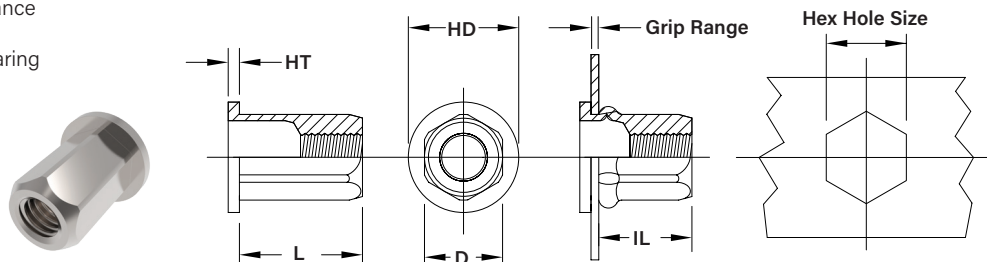
Catalog Attributes

Grip Range = Material Thickness	D(A/F) = Diameter Across Flats
L = Length	IL = Installed Length
HD = Head Diameter	LB = Length Closed End
HT = Head Thickness	ILB = Installed Length Closed End
D = Diameter	ITD = Installed Thread Depth

Metric Body Product Line								
Product Line	Body			Head (Flange)			Available (as an option)	
	Full Hex	Half Hex	Round	Large	Small	Countersunk	Closed End	Sealed End
CFLM	✓			✓			✓	✓
CKLM	✓				✓		✓	
CHLM		✓		✓				✓
CHKM		✓			✓			
CHKI		✓			✓			
CKLM			✓	✓			✓	✓
CKKM			✓		✓		✓	
COLM			✓	✓			✓	
CKCM			✓			✓	✓	
COCM			✓			✓	✓	
COKI			✓		✓			

CFLM - Metric Style Full-Hex Steel Rivet Nut, Large Flange, Open End

- Full hex body for best spin-out resistance
- Metric hole sizes and metric threads
- Large flange to provide increased bearing surface area

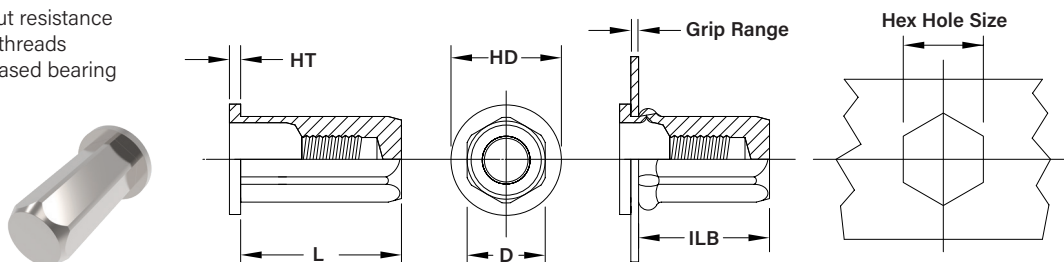


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Open						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D (A/F) Max.	IL Ref.	Hole Size in Sheet +0.1
M3x0.5	CFLM2-350-2.0	0.5 - 2.0	9.75	8	0.75	4.98	6	5
	CFLM2-350-3.5	2.0 - 3.5	11.25					
M4x0.7	CFLM2-470-2.5	0.5 - 2.5	9.8	9	1	5.98	6.3	6
	CFLM2-470-4.5	2.5 - 4.5	12.8					
M5x0.8	CFLM2-580-3.0	0.5 - 3.0	12.7	10	1	6.98	8	7
	CFLM2-580-5.5	3.0 - 5.5	14.5				6.6	
	CFLM2-580-8.0	5.5 - 8.0	17					
M6x1	CFLM2-610-3.0	0.5 - 3.0	14.2	12.9	1.5	8.98	10	9
	CFLM2-610-5.5	3.0 - 5.5	17.2					
	CFLM2-610-8.0	5.5 - 8.0	19.7					
M8x1.25	CFLM2-8125-3.0	0.5 - 3.0	16.25	16	1.5	10.98	11	11
	CFLM2-8125-5.5	3.0 - 5.5	19.25					
	CFLM2-8125-8.0	5.5 - 8.0	21.75					
M10x1.5	CFLM2-1015-3.5	0.7 - 3.5	20.8	19	2	12.98	15	13
	CFLM2-1015-6.0	3.5 - 6.0	23.3					
	CFLM2-1015-9.0	6.0 - 9.0	26.3					
M12x1.75	CFLM2-12175-4.0	1.0 - 4.0	24.8	23	2	15.98	17	16
	CFLM2-12175-7.0	4.0 - 7.0	27.8					

CFLM - Metric Style Full-Hex Steel Rivet Nut, Large Flange, Closed End

- Full hex body for best spin-out resistance
- Metric hole sizes and metric threads
- Large flange to provide increased bearing surface area

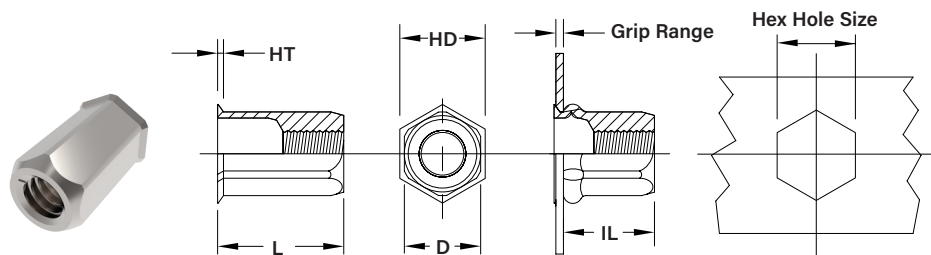


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Closed						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D (A/F) Max.	ILB Ref.	Hole Size in Sheet +0.1
M4x0.7	CFLM2-470-2.5B	0.5 - 2.5	13.8	9	1	5.98	10	6
M5x0.8	CFLM2-580-3.0B	0.5 - 3.0	18.7	10	1	6.98	14	7
M6x1	CFLM2-610-3.0B	0.5 - 3.0	21.3	12.9	1.5	8.98	17	9
M8x1.25	CFLM2-8125-3.0B	0.5 - 3.0	24.3	16	1.5	10.98	19	11
M10x1.5	CFLM2-1015-3.5B	0.7 - 3.5	30.75	19	2	12.98	25	13
M12x1.75	CFLM2-12175-4.0B	1.0 - 4.0	36.8	23	2	15.98	30	16

CFKM - Metric Style Full-Hex Body Steel Rivet Nut, Small Flange, Open End

- Full hex body for best spin-out resistance
- Metric hole sizes and metric threads
- Small flange to for near flush installation in base material

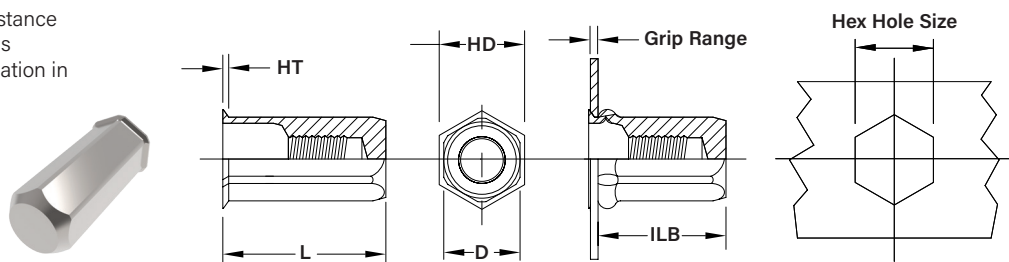


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Open						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D (A/F) Max.	IL Ref.	Hole Size in Sheet +0.1
M3x0.5	CFKM2-350-2.0	0.5 - 2.0	10.05	5.5	0.46	4.98	6.3	5
	CFKM2-350-3.5	2.0 - 3.5	11.55					
M4x0.7	CFKM2-470-2.5	0.5 - 2.5	10.8	6.60	0.46	5.98	6.5	6
	CFKM2-470-4.5	2.5 - 4.5	13.5					
M5x0.8	CFKM2-580-3.0	0.5 - 3.0	13.8	7.7	0.6	6.98	9	7
	CFKM2-580-5.5	3.0 - 5.5	16.5					
	CFKM2-580-8.0	5.5 - 8.0	19					
M6x1	CFKM2-610-3.5	0.5 - 3.5	16.2	10	0.75	8.98	10.2	9
	CFKM2-610-6.0	3.5 - 6.0	19.25					
	CFKM2-610-9.0	6.0 - 9.0	22.25					
M8x1.25	CFKM2-8125-3.5	0.5 - 3.5	17.8	12	0.8	10.98	12.5	11
	CFKM2-8125-6.0	3.5 - 6.0	20.8					
	CFKM2-8125-9.0	6.0 - 9.0	23.8					
M10x1.5	CFKM2-1015-3.5	0.7 - 3.5	22	14.2	0.9	12.98	16	13
	CFKM2-1015-6.0	3.5 - 6.0	25					
	CFKM2-1015-9.0	6.0 - 9.0	28					
M12x1.75	CFKM2-12175-4.0	1.0 - 4.0	24.8	17.6	1	15.98	16	16
	CFKM2-12175-7.0	4.0 - 7.0	27.8					

CFKM - Metric Style Full-Hex Body Steel Rivet Nut, Small Flange, Closed End

- Full hex body for best spin-out resistance
- Metric hole sizes and metric threads
- Small flange to for near flush installation in base material

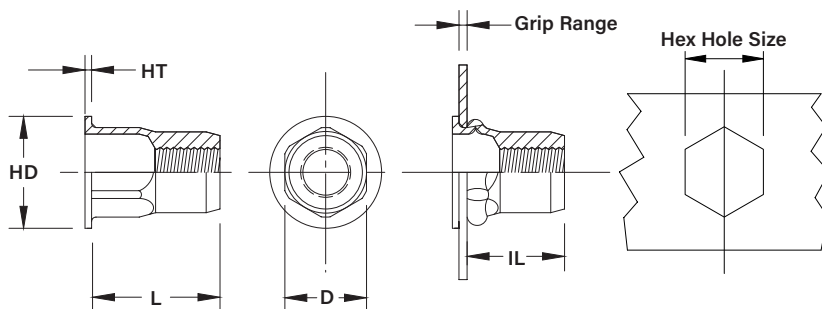


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Closed						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D (A/F) Max.	ILB Ref.	Hole Size in Sheet +0.1
M4x0.7	CFKM2-470-2.5B	0.5 - 2.5	17.8	6.6	0.46	5.98	13	6
M5x0.8	CFKM2-580-3.0B	0.5 - 3.0	20.2	7.7	0.6	6.98	15	7
M6x1	CFKM2-610-3.5B	0.5 - 3.5	23.2	10	0.75	8.98	17.2	9
M8x1.25	CFKM2-8125-3.5B	0.5 - 3.5	28.3	12	0.8	10.98	22.5	11
M10x1.5	CFKM2-1015-3.5B	0.7 - 3.5	35	14.2	0.9	12.98	27	13
M12x1.75	CFKM2-12175-4.0B	1.0 - 4.0	38	17.6	1	15.98	27	16

CHLM - Metric Style Steel Half Hex Body Rivet Nut, Large Flange, Open End

- Semi hex body for excellent spin-out resistance
- Metric hole sizes and metric threads
- Large flange for increased push-out resistance

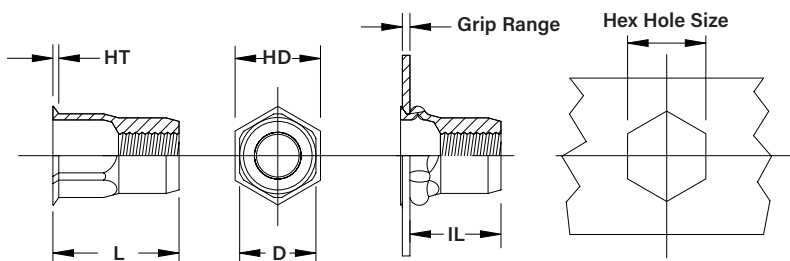


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Closed						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D (A/F) Max.	IL Ref.	Hole Size in Sheet +0.1
M3x0.5	CHLM2-350-2.0	0.5 - 2.0	9.75	8	0.75	4.98	6	5
M4x0.7	CHLM2-470-2.5	0.5 - 2.5	10	9	1	5.98	5.8	6
M5x0.8	CHLM2-580-3.0	0.5 - 3.0	12	10	1	6.98	7.3	7
	CHLM2-580-5.5	3.0 - 5.5	14.5					
M6x1	CHLM2-610-3.0	0.5 - 3.0	12.75	13	1.5	8.98	8	9
	CHLM2-610-5.5	3.0 - 5.5	15.25					
M8x1.25	CHLM2-8125-3.0	0.5 - 3.0	16.5	16	1.5	10.98	11.2	11
	CHLM2-8125-5.5	3.0 - 5.5	19					
M10x1.5	CHLM2-1015-3.5	0.7 - 3.5	19.75	19	2	12.98	11.7	13
	CHLM2-1015-6.0	3.5 - 6.0	22.25					
M12x1.75	CHLM2-12175-4.0	1.0 - 4.0	25	23	2	15.98	16	16

CHKM - Metric Style Steel Half Hex Body Rivet Nut, Small Flange, Open End

- Semi hex body for good spin-out resistance
- Metric hole sizes and metric threads
- Small flange for near flush installation in base material

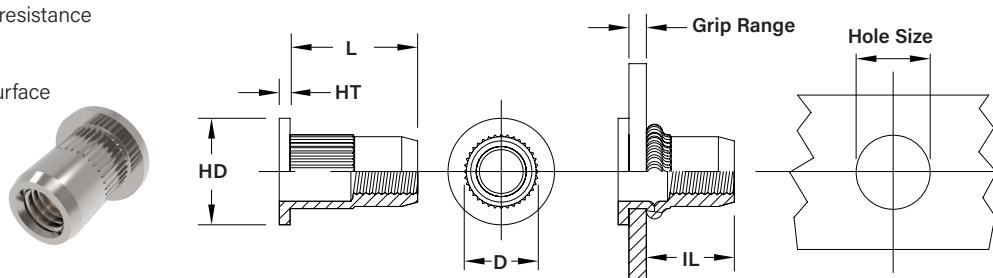


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Open						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D (A/F) Max.	IL Ref.	Hole Size in Sheet +0.1
M3x0.5	CHKM2-350-2.0	0.5 - 2.0	10.05	5.5	0.46	4.98	6.3	5
M4x0.7	CHKM2-470-2.5	0.5 - 2.5	10.7	6.7	0.46	5.98	6	6
M5x0.8	CHKM2-580-3.0	0.5 - 3.0	13	7.9	0.46	6.98	7.5	7
	CHKM2-580-5.5	3.0 - 5.5	15.5					
M6x1	CHKM2-610-3.0	0.5 - 3.0	13.75	10	0.5	8.98	8.3	9
	CHKM2-610-5.5	3.0 - 5.5	17.4					
M8x1.25	CHKM2-8125-3.0	0.5 - 3.0	17.25	12	0.63	10.98	11.3	11
	CHKM2-8125-5.5	3.0 - 5.5	19					
M10x1.5	CHKM2-1015-3.5	0.7 - 3.5	20.3	14.2	0.74	12.98	12.3	13
	CHKM2-1015-6.0	3.5 - 6.0	22.8					
M12x1.75	CHKM2-12175-4.0	1.0 - 4.0	25	17.6	1	15.98	16	16

CKLM - Metric Style Steel Round Body Knurled Rivet Nut, Large Flange, Open End

- Knurled body for increased spin-out resistance in softer materials
- Metric hole sizes and metric threads
- Large flange for increased bearing surface

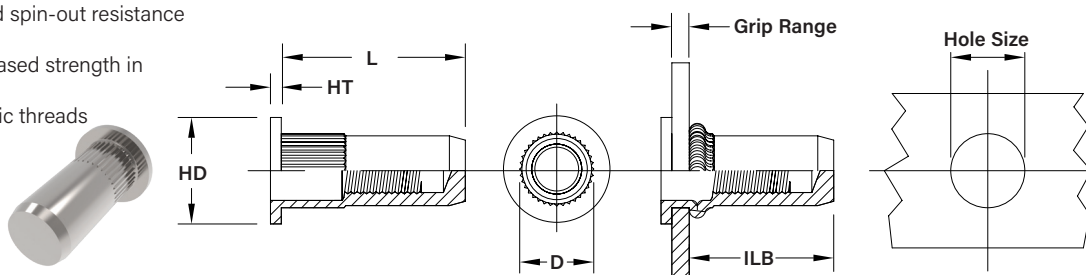


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Open						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D Max.	IL Ref.	Hole Size in Sheet +0.1
M3x0.5	CKLM2-350-2.0	0.5 - 2.0	9.75	7	1	4.98	6	5
	CKLM2-350-3.5	2.0 - 3.5	11.25					
M4x0.7	CKLM2-470-2.5	0.5 - 2.5	11	9	1	5.98	6.3	6
	CKLM2-470-4.5	2.5 - 4.5	12.5					
M5x0.8	CKLM2-580-3.0	0.5 - 3.0	11.75	10	1	6.98	7.3	7
	CKLM2-580-5.5	3.0 - 5.5	14.5				8	
	CKLM2-580-8.0	5.5 - 8.0	17				8	
M6x1	CKLM2-610-3.0	0.5 - 3.0	12.8	13	1.5	8.98	8	9
	CKLM2-610-5.5	3.0 - 5.5	15.4				8.2	
	CKLM2-610-8.0	5.5 - 8.0	17.9				8.2	
M8x1.25	CKLM2-8125-3.0	0.5 - 3.0	16.2	16	1.5	10.98	11	11
	CKLM2-8125-5.5	3.0 - 5.5	18.9					
	CKLM2-8125-8.0	5.5 - 8.0	21.4					
M10x1.5	CKLM2-1015-3.5	0.7 - 3.5	19.8	19	2	12.98	13.9	13
	CKLM2-1015-6.0	3.5 - 6.0	22.3				14	
	CKLM2-1015-9.0	6.0 - 9.0	25.3				14	
M12x1.75	CKLM2-12175-4.5	1.5 - 4.5	27.8	23	2	15.98	17.8	16
	CKLM2-12175-4.5	4.5 - 7.5	30.8					

CKLM - Metric Style Steel Round Body Knurled Rivet Nut, Large Flange, Closed End

- Knurled body for increased spin-out resistance in softer materials
- Large flange provide increased strength in punched and drilled holes
- Metric hole sizes and metric threads

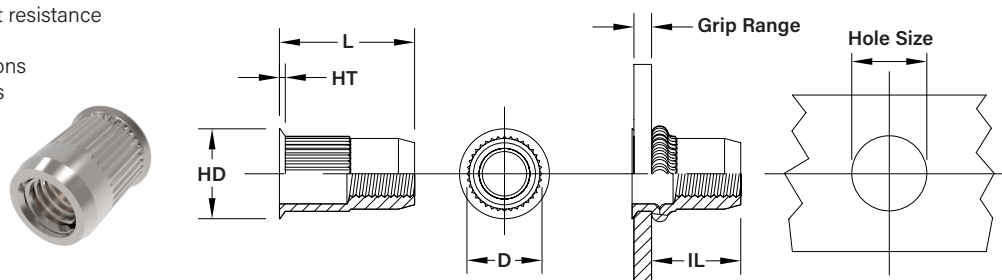


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Closed						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D Max.	ILB Ref.	Hole Size in Sheet +0.1
M4x0.7	CKLM2-470-2.5B	0.5 - 2.5	15.6	9	1	5.98	11.3	6
M5x0.8	CKLM2-580-3.0B	0.5 - 3.0	18.75	10	1	6.98	14.3	7
M6x1	CKLM2-610-3.0B	0.5 - 3.0	20	13	1.5	8.98	15	9
M8x1.25	CKLM2-8125-3.0B	0.5 - 3.0	25	16	1.5	10.98	19.5	11
M10x1.5	CKLM2-1015-3.5B	0.7 - 3.5	30.3	19	2	12.98	24.5	13
M12x1.75	CKLM2-12175-4.5B	1.5 - 4.5	35	23	2	15.98	25	16

CKKM - Metric Style Steel Round Body Knurled Rivet Nut, Small Flange, Open End

- Knurled body for increased spin-out resistance in softer materials
- Small flange for near flush installations
- Metric hole sizes and metric threads

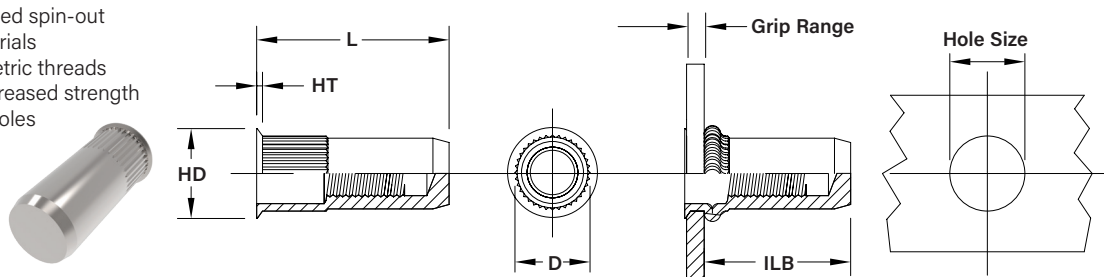


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Open						
		Grip Range	L ± 0.25	HD ± 0.25	HT ± 0.13	D Max.	IL Ref.	Hole Size in Sheet +0.1
M3x0.5	CKKM2-350-2.0	0.5 - 2.0	9	5.7	0.46	4.98	6	5
	CKKM2-350-3.5	2.0 - 3.5	10.5					
M4x0.7	CKKM2-470-2.5	0.5 - 2.5	10.7	6.6	0.46	5.98	6.3	6
	CKKM2-470-4.5	2.5 - 4.5	12.5					
M5x0.8	CKKM2-580-3.0	0.5 - 3.0	12.75	7.7	0.46	6.98	7.4	7
	CKKM2-580-5.5	3.0 - 5.5	14.9				7	
	CKKM2-580-8.0	5.5 - 8.0	17.4				7	
M6x1	CKKM2-610-3.0	0.5 - 3.0	13.8	10	0.5	8.98	8.5	9
	CKKM2-610-5.5	3.0 - 5.5	17.4				8.8	
	CKKM2-610-8.0	5.5 - 8.0	19.9				8.8	
M8x1.25	CKKM2-8125-3.0	0.5 - 3.0	17.25	12	0.63	10.98	11.1	11
	CKKM2-8125-5.5	3.0 - 5.5	18.9				11.8	
	CKKM2-8125-8.0	5.5 - 8.0	21.4				11.8	
M10x1.5	CKKM2-1015-3.5	0.7 - 3.5	20.75	14.2	0.74	12.98	14	13
	CKKM2-1015-6.0	3.5 - 6.0	23.5					
	CKKM2-1015-9.0	6.0 - 9.0	26.5					
M12x1.75	CKKM2-12175-4.5	1.5 - 4.5	25.8	17	1	15.98	17.8	16
	CKKM2-12175-7.5	4.5 - 7.5	28.8					

CKKM - Metric Style Steel Round Body Knurled Rivet Nut, Small Flange, Closed End

- Knurled body for increased spin-out resistance in softer materials
- Metric hole sizes and metric threads
- Large flange provide increased strength in punched and drilled holes

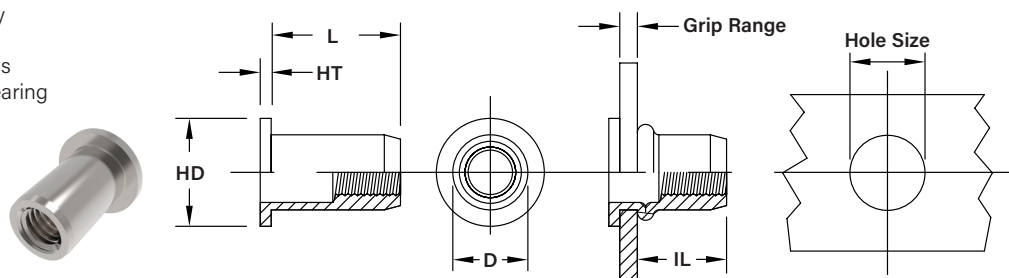


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Closed						
		Grip Range	L ± 0.25	HD ± 0.25	HT ± 0.13	D Max.	ILB Ref.	Hole Size in Sheet +0.1
M4x0.7	CKKM2-470-2.5B	0.5 - 2.5	17.7	6.6	0.46	5.98	12.8	6
M5x0.8	CKKM2-580-3.0B	0.5 - 3.0	19.85	7.7	0.46	6.98	14.5	7
M6x1	CKKM2-610-3.0B	0.5 - 3.0	21.3	10	0.5	8.98	16	9
M8x1.25	CKKM2-8125-3.0B	0.5 - 3.0	25.3	12	0.63	10.98	18	11
M10x1.5	CKKM2-1015-3.5B	0.7 - 3.5	28.3	14.2	0.74	12.98	22.3	13
M12x1.75	CKKM2-12175-4.5B	1.5 - 4.5	34.8	17	1	15.98	21.1	16

COLM - Metric Style Steel Round Body Smooth Rivet Nut, Large Flange, Open End

- Smooth body rivet nut for light duty applications
- Metric hole sizes and metric threads
- Large flange provides increased bearing surface area

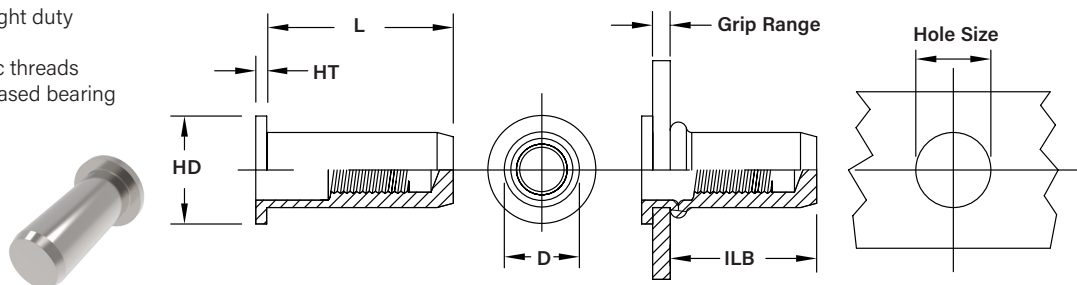


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Open						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D Max.	IL Ref.	Hole Size in Sheet +0.1
M3x0.5	COLM2-350-2.0	0.5 - 2.0	9.75	7	1	4.98	6	5
	COLM2-350-3.5	2.0 - 3.5	11.25					
M4x0.7	COLM2-470-2.5	0.5 - 2.5	11	9	1	5.98	6.3	6
	COLM2-470-4.5	2.5 - 4.5	12.5					
M5x0.8	COLM2-580-3.0	0.5 - 3.0	12.75	10	1	6.98	8	7
	COLM2-580-5.5	3.0 - 5.5	15.7				9.1	
	COLM2-580-8.0	5.5 - 8.0	18.8				10	
M6x1	COLM2-610-3.0	0.5 - 3.0	14.3	13	1.5	8.98	10	9
	COLM2-610-5.5	3.0 - 5.5	17.2				9.3	
	COLM2-610-8.0	5.5 - 8.0	20.2				10	
M8x1.25	COLM2-8125-3.0	0.5 - 3.0	16.3	16	1.5	10.98	11	11
	COLM2-8125-5.5	3.0 - 5.5	19.3				11.5	
	COLM2-8125-8.0	5.5 - 8.0	22.3				11.8	
M10x1.5	COLM2-1015-3.5	0.7 - 3.5	20.75	19	2	12.98	15	13
	COLM2-1015-6.0	3.5 - 6.0	23.75					
	COLM2-1015-9.0	6.0 - 9.0	25.75					
M12x1.75	COLM2-12175-4.0	1.0 - 4.0	24.7	23	2	15.98	17.1	16
	COLM2-12175-7.0	4.0 - 7.0	27.7				17.5	

COLM - Metric Style Steel Round Body Smooth Rivet Nut, Large Flange, Closed End

- Smooth body rivet nut for light duty applications
- Metric hole sizes and metric threads
- Large flange provides increased bearing surface area

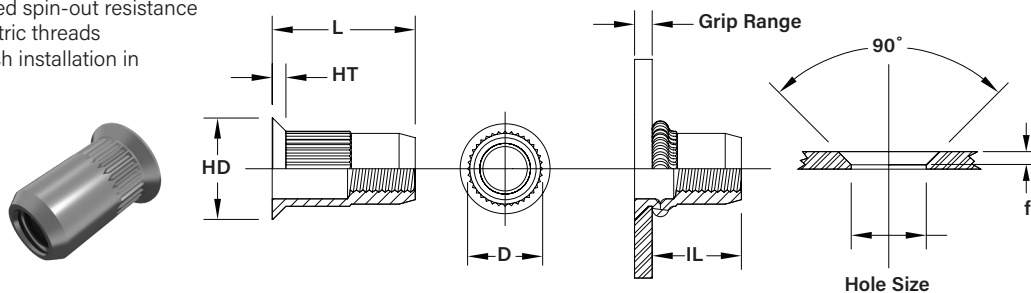


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Closed						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D Max.	ILB Ref.	Hole Size in Sheet +0.1
M4x0.7	COLM2-470-2.5B	0.5 - 2.5	16.9	9	1	5.98	12.2	6
M5x0.8	COLM2-580-3.0B	0.5 - 3.0	18.7	10	1	6.98	14.	7
M6x1	COLM2-610-3.0B	0.5 - 3.0	21.2	13	1.5	8.98	16.3	9
M8x1.25	COLM2-8125-3.0B	0.5 - 3.0	24.2	16	1.5	10.98	19	11
M10x1.5	COLM2-1015-3.5B	0.7 - 3.5	30.7	19	2	12.98	25	13
M12x1.75	COLM2-12175-4.0B	1.0 - 4.0	36.8	23	2	15.98	29.6	16

CKCM - Metric Style Steel Countersunk Knurled Body Rivet Nut, Open End

- Knurled body for increased spin-out resistance
- Metric hole sizes and metric threads
- Countersunk for near flush installation in countersunk holes

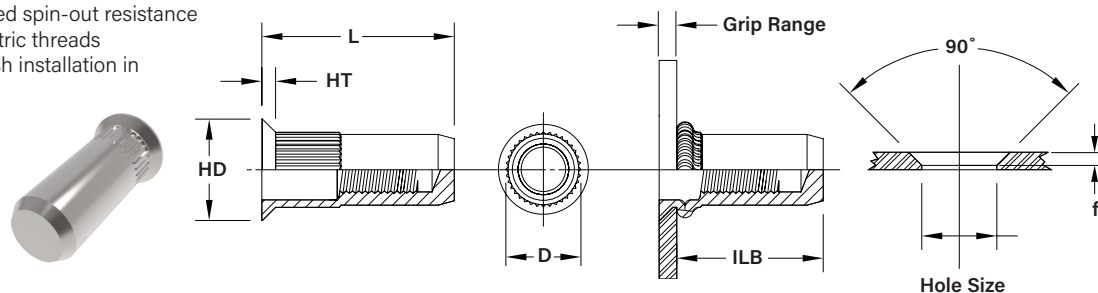


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Open							
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D Max.	IL Ref.	f	Hole Size in Sheet +0.1
M3x0.5	CKCM2-350-3.0	1.5 - 3.0	8.8	6.6	1.3	4.98	5.4	1.2	5
	CKCM2-350-4.5	3.0 - 4.5	10.4				4.8		
M4x0.7	CKCM2-470-3.5	1.5 - 3.5	11.5	7.8	1.3	5.98	5.9	1.2	6
	CKCM2-470-5.0	3.5 - 5.0	13						
M5x0.8	CKCM2-580-4.0	1.5 - 4.0	13.7	9	1.3	6.98	8	1.2	7
	CKCM2-580-6.5	4.0 - 6.5	16.7				8.6		
	CKCM2-580-9.0	6.5 - 9.0	19.8				9		
M6x1	CKCM2-610-4.0	1.5 - 4.0	15.7	11	1.3	8.98	10	1.2	9
	CKCM2-610-6.5	4.0 - 6.5	20.3						
	CKCM2-610-9.0	6.5 - 9.0	21.8				11.4		
M8x1.25	CKCM2-8125-4.0	1.5 - 4.0	17.8	13	1.3	10.98	11	1.2	11
	CKCM2-8125-6.5	4.0 - 6.5	20.8						
	CKCM2-8125-9.0	6.5 - 9.0	23.75						
M10x1.5	CKCM2-1015-4.0	1.5 - 4.0	21.8	15	1.3	12.98	15	1.2	13
	CKCM2-1015-6.5	4.0 - 6.5	24.75						
	CKCM2-1015-9.0	6.5 - 9.0	28				14.8		
M12x1.75	CKCM2-12175-4.5	2.0 - 4.5	25.9	18.6	1.8	15.98	17.5	1.7	16
	CKCM2-12175-7.5	4.5 - 7.5	29						

CKCM - Metric Style Steel Countersunk Knurled Body Rivet Nut, Closed End

- Knurled body for increased spin-out resistance
- Metric hole sizes and metric threads
- Countersunk for near flush installation in countersunk holes

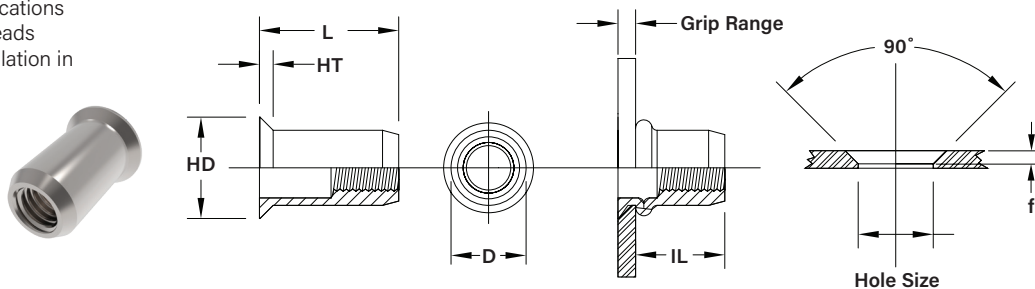


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Closed							
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D Max.	ILB Ref.	f	Hole Size in Sheet +0.1
M4x0.7	CKCM2-470-3.5B	1.5 - 3.5	16.3	7.8	1.3	5.98	10.7	1.2	6
M5x0.8	CKCM2-580-4.0B	1.5 - 4.0	21.3	9	1.3	6.98	14	1.2	7
M6x1	CKCM2-610-4.0B	1.5 - 4.0	22.7	11	1.3	8.98	17	1.2	9
M8x1.25	CKCM2-8125-4.0B	1.5 - 4.0	25.7	13	1.3	10.98	19	1.2	11
M10x1.5	CKCM2-1015-4.0B	1.5 - 4.0	31.8	15	1.3	12.98	25.4	1.2	13
M12x1.75	CKCM2-12175-4.5B	1.5 - 4.5	40.8	18.6	1.8	15.98	30.5	1.7	16

COCM - Metric Style Steel Countersunk Smooth Body Rivet Nut, Open End

- Smooth body for light duty applications
- Metric hole sizes and metric threads
- Countersunk for near flush installation in countersunk holes

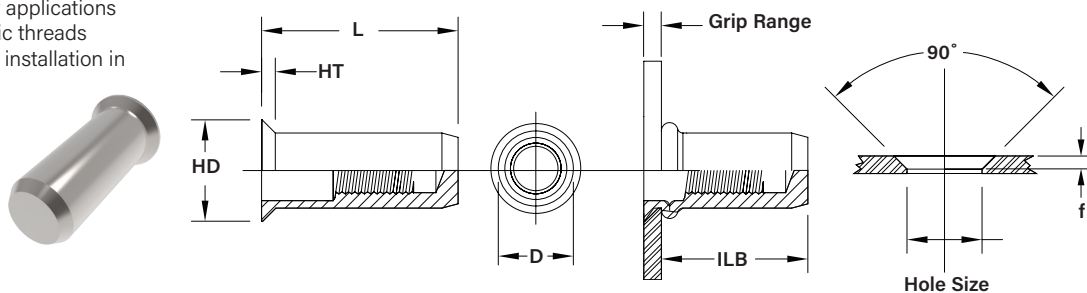


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Open							
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D Max.	IL Ref.	f	Hole Size in Sheet +0.1
M3x0.5	COCM2-350-3.0	1.5 - 3.0	8.8	6.6	1.3	4.98	5.4	1.2	5
	COCM2-350-4.5	3.0 - 4.5	10.4				4.8		
M4x0.7	COCM2-470-3.5	1.5 - 3.5	11.5	7.8	1.3	5.98	5.9	1.2	6
	COCM2-470-5.0	3.5 - 5.0	13						
M5x0.8	COCM2-580-4.0	1.5 - 4.0	13.7	9	1.3	6.98	8	1.2	7
	COCM2-580-6.5	4.0 - 6.5	16.7				8.6		
	COCM2-580-9.0	6.5 - 9.0	19.8				9		
M6x1	COCM2-610-4.0	1.5 - 4.0	15.7	11	1.3	8.98	10	1.2	9
	COCM2-610-6.5	4.0 - 6.5	20.3						
	COCM2-610-9.0	6.5 - 9.0	21.8				11.4		
M8x1.25	COCM2-8125-4.0	1.5 - 4.0	17.8	13	1.3	10.98	11	1.2	11
	COCM2-8125-6.5	4.0 - 6.5	20.8						
	COCM2-8125-9.0	6.5 - 9.0	23.75						
M10x1.5	COCM2-1015-4.0	1.5 - 4.0	21.8	15	1.3	12.98	15.0	1.2	13
	COCM2-1015-6.5	4.0 - 6.5	24.75						
	COCM2-1015-9.0	6.5 - 9.0	28				14.8		
M12x1.75	COCM2-12175-4.5	2.0 - 4.5	25.9	18.6	1.8	15.98	17.5	1.7	16
	COCM2-12175-7.0	4.5 - 7.5	29						

COCM - Metric Style Steel Countersunk Smooth Body Rivet Nut, Closed End

- Smooth body for light duty applications
- Metric hole sizes and metric threads
- Countersunk for near flush installation in countersunk holes

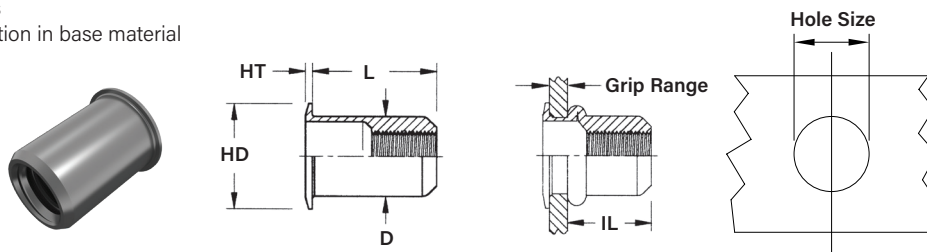


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Closed							
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D Max.	ILB Ref.	f	Hole Size in Sheet +0.1
M4x0.7	COCM2-470-3.5B	1.5 - 3.5	17.4	7.8	1.3	5.98	11.8	1.2	6
M5x0.8	COCM2-580-4.0B	1.5 - 4.0	21.3	9	1.3	6.98	14	1.2	7
M6x1	COCM2-610-4.0B	1.5 - 4.0	22.7	11	1.3	8.98	17	1.2	9
M8x1.25	COCM2-8125-4.0B	1.5 - 4.0	25.7	13	1.3	10.98	19	1.2	11
M10x1.5	COCM2-1015-4.0B	1.5 - 4.0	31.8	15	1.3	12.98	25.4	1.2	13
M12x1.75	COCM2-12175-4.5B	2.0 - 4.5	40.8	18.6	1.8	15.98	30.5	1.7	16

COKI - Metric Style Steel Smooth Body Rivet Nut, Small Flange, Open End, Inch Hole Size

- Smooth body for light duty applications
- Inch hole sizes and metric threads
- Small flange for near flush installation in base material

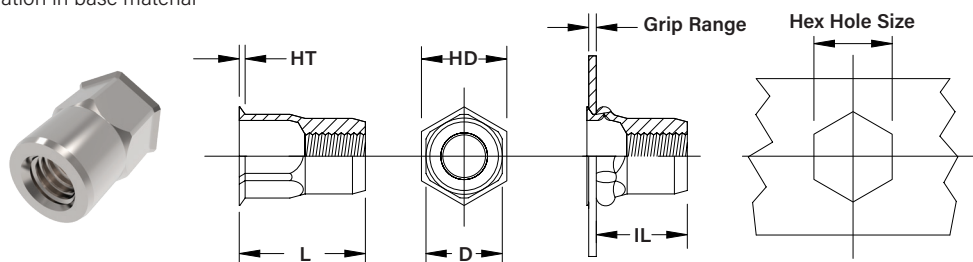


All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Closed						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D Max.	IL Ref.	Hole Size in Sheet +0.1
M3x0.5	COKI2-350-1.5	0.5 - 1.5	8.4	5.2	0.4	4.68	5.5	4.7
M4x0.7	COKI2-470-2.0	0.5 - 2.0	10.2	6.9	0.5	6.38	7.3	6.4
M5x0.8	COKI2-580-3.0	0.5 - 3.0	11.25	7.6	0.6	7.08	7.3	7.1
M6x1	COKI2-610-3.0	0.7 - 3.0	14.3	10.35	0.6	9.48	9.3	9.5
M8x1.25	COKI2-8125-4.5	0.8 - 4.5	16.6	11.5	0.7	10.48	9.6	10.5

CHKI - Metric Style Steel Half Hex Body Rivet Nut, Open End, Inch Hole Size

- Half hex body for good spin-out resistance
- Inch hole sizes and metric threads
- Small flange for near flush installation in base material



All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Closed						
		Grip Range	L ±0.25	HD ±0.25	HT ±0.13	D (A/F) Max.	IL Ref.	Hole Size in Sheet +0.1
M4x0.7	CHKI2-470-2.0	0.5 - 2.0	10.3	6.9	0.5	6.38	6.8	6.4
M5x0.8	CHKI2-580-3.0	0.5 - 3.0	11.45	8.1	0.45	7.28	7	7.3
M6x1	CHKI2-610-3.0	0.7 - 3.0	14.35	10.6	0.6	9.68	9	9.7
M8x1.25	CHKI2-8125-3.3	0.9 - 3.3	15.8	11.55	0.7	10.68	10.2	10.7

Material And Finish Specifications For Metric Style Rivet Nuts

Code	Material	Threads	Standard Finish
1	302 Stainless Steel	Metric, 6H per ASME B1.13M	Passivated plus wax
2	Steel C1010	Metric, 6H per ASME B1.13M	Zinc plated - clear trivalent chromate per Sherex SFS-01-001 SC4
3	5056 Aluminum	Metric, 6H per ASME B1.13M	None

Benefits of Full Hex Rivet Nuts vs. Welded Hex Fasteners

The challenge

A manufacturer of agricultural equipment was experiencing insufficient throughput rates in its baler product lines.

- The issue was determined to be a result of the welding process used in the numerous attachment points.
- The manufacturer wanted to improve the work environment by reducing the amount of emissions and vapors caused by the welding process.



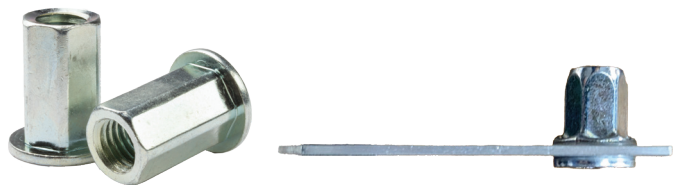
The Solution

Working directly with the manufacturer, the Sherex engineering team designed a new line of full hex rivet nuts to meet the application performance requirements.

- The new full hex rivet nuts significantly increased the application spin-out resistance during installation.
- Sherex provided a complete installation solution to the customer: full hex rivet nuts and the FLEX-5 tool.
- This new process replaced the previous welding process, increasing throughput by 50%.
- Additionally, the new solution eliminated all emissions and vapors associated with the welding process, which led to a safer working environment for the assemblers.

The Savings

Annual usage of the rivet nuts: 1,000,000
Cost savings: \$0.12 per weld =
\$120,000 annual savings!



Benefits of Full Hex Rivet Nuts vs. Welded Rivet Nuts

Optisert® rivet nut prevents costly design change

The challenge



A Tier 1 automotive supplier in Michigan manufactures aluminum frames for a large electric vehicle truck OEM. On the assembly line, round body rivet nuts (Sherex CAL Series) were spinning out at 8 Nm — well below the required 10–12 Nm assembly torque — causing significant rework and logistics costs. With 37 rivet nut installation points across both rails, the OEM faced a costly decision: redesign the rails for hex body rivet nuts (FHL Series) and spend six figures on new tooling, or switch to an even more expensive fastening method.

The Solution

Sherex offered a better path — keep the round holes and upgrade to a higher-performing round body rivet nut. Sherex's newly released Optisert®, featuring underhead wedges and aggressive knurls, was the answer. Timing was ideal: Optisert had just launched weeks earlier, making this a real-world, high-volume validation opportunity. Results exceeded expectations — Optisert achieved over 20 Nm of spin-out resistance in the application. The tier also integrated Sherex Hand Tool Calibration Units on the line, allowing operators to verify their FLEX-5 spin-pull tool was pulling at the correct force at regular intervals.

The Savings

Since adopting Optisert and the Hand Tool Calibration Unit, the tier has recorded zero spin-outs and eliminated installation rework entirely. The OEM avoided six figures in redesign and tooling costs, plus the premium of switching to hex body rivet nuts. Rail returns for rework and OEM line downtime were eliminated — all with no design or tooling changes. Optisert delivered better quality, better throughput, and a faster path forward.



Cost savings:

Changing Rails from round to Hex Body:	\$150,000
CAL Series to Hex Body:	\$79,000
CAL Series to Optisert:	\$22,000
Rework / Shipping:	\$23,000
Total Savings:	\$230,000

Vibrational Loosening Prevention

Wedge Locking Washers

Disc-Lock® heavy duty, self-locking washers designed to secure safety critical applications against vibrational loosening. Provided in glued pairs; easy installation with standard tools, and vibration-proof according to MIL-STD-1312-7. Available in carbon steel from sizes M3-#6 to M38-1 1/2", and stainless steel from sizes M6-1/4" to M24-1"

DISC-LOCK®



TEC Series® washers are heavy duty, reusable, self locking washers designed to secure safety-critical applications against vibrational loosening. Manufactured using stamping process. Available in standard and large outer diameter carbon and stainless steel M3-M72, #5-3"

TEC SERIES®

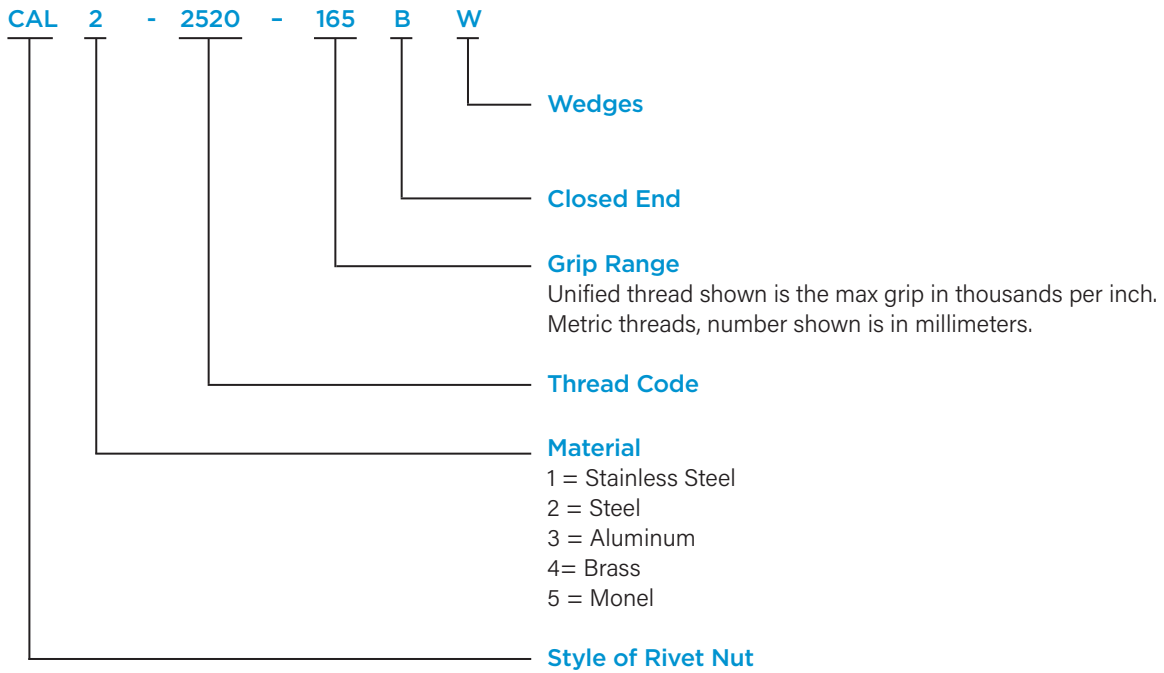


Wedge Locking Nuts

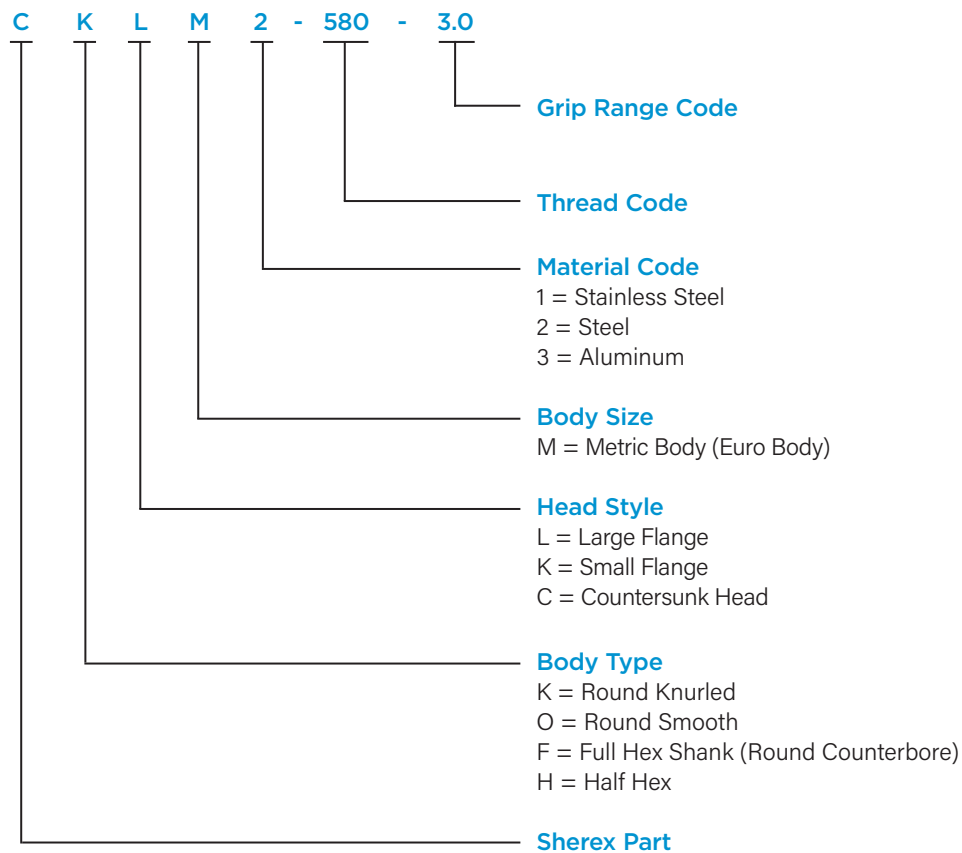
Patented, heavy duty, self-locking nuts designed to maintain joint integrity in high vibration applications. One piece assembly, easy installation and removal with standard tools, and vibration-proof according to MIL-STD-1312-7. Available in sizes from M10 to M22, 3/8" to 7/8". The M22 Safety Wheel Nut is specifically designed to prevent wheel loss from commercial vehicles such as trucks, trailers, and buses.



Sherex Line Part Number Key



Euro Body Line Part Number Key





Sherex® Fastening Solutions Headquarters

400 Riverwalk, Suite 600
Tonawanda NY, 14150
866.474.3739
Email: info@sherex.com

Sales and Distribution Offices

Mexico

Circuito Balvanera 5A Bodega 11
Parque Industrial Balvanera
Corregidora, Queretaro
C.P. 76900 Mexico
Phone: +52 (442) 196-8354
Email: sherexmexico@sherex.com

United Kingdom

Unit 14, Empire Business Park
Enterprise Way
Burnley, BB12 6LT, United Kingdom
Phone: +44 (0)1282 227164
Email: uksales@sherex.com

Poland

al. Krakowska 106,
02-256 Warszawa (PL)
Phone: +48 518 466 322
Email: sales@sherex.pl

Production Facilities

United States

5190 Old Easton Rd
Danboro, PA 18916
Phone: +1.800.237.4736
Email: info@sherex.com

Taiwan

No. 242, Zhongshan N. Rd. Dayuan Dist.
Taoyuan City 337055
Taiwan (R,O,C,)
Phone: +886 3 498-8689
Fax: +886 3 498-9395
Email: sales@sherex.com.tw

Galway

Mervue Business Park
Mervue, Galway, H91
AHW0, Ireland
Phone: +353 (91) 747100
Email: uksales@sherex.com

Malaysia

Lot 70, Lorong Senawang 4
Kawasan Perusahaan Senawang, 70450
Seremban, Negeri Sembilan, Malaysia
Phone: +60 (6) 6790 223
Email: sales@sherex.com

China

No.99, Middle Chenfeng Road, Kunshan City,
Jiangsu Province, China
Phone: +86 (512) 5726 9300
Email: sales@sherex.com