



CLAMPING TECHNOLOGY VOL. 1

MANUAL, PNEUMATIC,
HYDRAULIC

destaco.com

VISUAL SELECTION GUIDE

MARKETS



AEROSPACE



CONSUMER GOODS



FOOD & PACKAGING



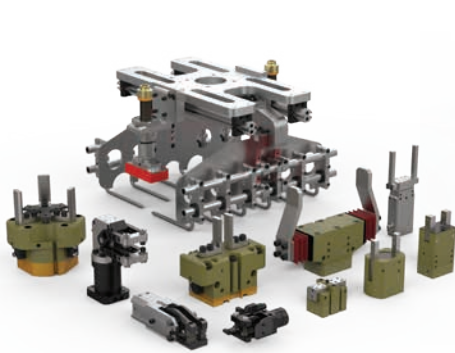
INDUSTRIAL



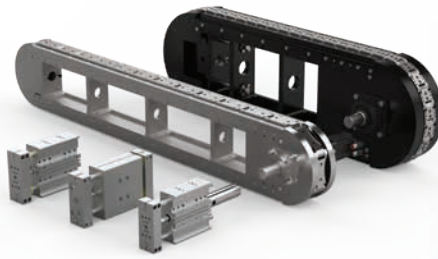
TRANSPORTATION

ABOUT DESTACO

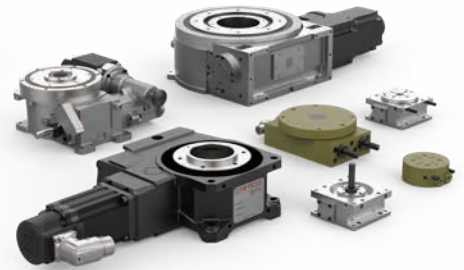
Built on a Strong Foundation



Gripping Solutions



Linear Positioning Solutions



Rotary Positioning Solutions



Clamping Solutions



CRL Remote Handling Solutions



Robotic Tooling Solutions

DESTACO, a Stabilus Group company, is a global leader in the design and manufacture of high-performance automation, workholding and remote-handling solutions. The company serves customers in a variety of end-markets, including the automotive, life sciences, consumer packaged goods, aerospace, industrial and nuclear sectors.

Built on a legacy of more than 100 years, DESTACO offers a comprehensive portfolio of products designed to engineer precise movement, placement and control solutions that drive productivity and uptime for manufacturers around the world. The DESTACO family of products consists of industry-leading brands such as DESTACO Manual Clamps, Power Clamps, and End Effectors; CAMCO™ and Ferguson™ Indexers; Robohand™ Grippers; and CRL™ Manipulators and Transfer Ports.

DESTACO is based in Auburn Hills, Michigan, U.S.A. The company has more than 800 employees with 13 locations, in 9 countries, across the Americas, Europe and Asia.

The Stabilus Group is one of the world's leading providers of motion control solutions for customers across a broad spectrum of industries including mobility, health, recreation, furniture, energy, construction, industrial machinery and automation. With more than eight decades of demonstrated expertise, Stabilus offers reliable and innovative motion control solutions that enable, enhance and automate opening, closing, lifting, lowering and adjusting actions. The company's customized damping and vibration isolation technology protects against shocks, vibrations and noise. Employing a workforce of more than 7,000 worldwide, the company has its operational headquarters in Koblenz, Germany. In the 2024 fiscal year Stabilus has reported revenues of EUR 1.3 billion. Stabilus has a global production network encompassing plants in nine countries. Additionally, the Group maintains regional offices and relations to sales partners in over fifty countries in Europe, North and South America, as well as in Asia-Pacific. Stabilus SE is listed in the Prime Standard segment of the Frankfurt Stock Exchange and included in the MDAX index.

More information is available at destaco.com and group.stabilus.com

Focusing all our Resources

New Product Development

Destaco has dedicated resources to design and build the next generation of products and solutions

Customer Service and Technical Support

Destaco has industry leading global support to address any product and application concerns you may have

Design Tools

Destaco provides an extensive CAD library, sizing software, and online tools to support our global customers



Our Insight Working for You

Application Engineering

We utilize our expertise and complete portfolio of products to create solutions that fit our customers' needs and applications

Custom Solutions

If our off-the-shelf solutions don't fit, we will partner with our customers to develop products that will



Manual and Pneumatic Toggle Clamps and Swing Clamps

Designed to Hold Securely

Markets



Industrial



Aerospace



Food & Packaging



Transportation



Consumer Goods

Applications



Assembly



Welding



Fixture and Testing



CNC/Machining



White Goods/
Appliance



Woodworking



Pneumatic Power Clamps

Clamp with Confidence

Markets



Transportation



Aerospace



Food & Packaging



Industrial

Applications



Welding



Fixture and Testing



White Goods/
Appliance



CNC/Machining



Electric Products



MANUAL CLAMPING SOLUTIONS

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Pneumatic Power Clamps64

MAKING OUR PRODUCTS SPECIAL FOR YOU

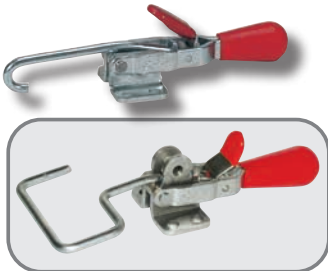
When an off-the-shelf product can't handle it - we can!

With many years of experience working with OEM machine builders, we can make our product fit your unique application. We will partner with you to design the right product for your application – from altering an existing product to building a completely new product, we have the experience and expertise to help your project succeed.

Using our expertise to develop custom solutions for unique applications, Destaco helps you save time and resources, allowing you to focus on your core business and gain a competitive advantage in the marketplace.

- Proven quality from the experts
- Reduce risk by using our experienced engineers
- Easy reordering with unique part numbers
- Simplify your supply chain
- Three levels of customization from simple alterations to complex custom products

Model 330
Standard Product



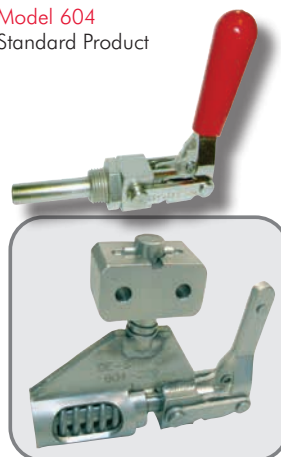
330-201 Stainless steel clamp
with special hook and locking tab

Model 2002-U
Standard Product



2002-200 with bar cut
& bolt retainer welded on

Model 604
Standard Product



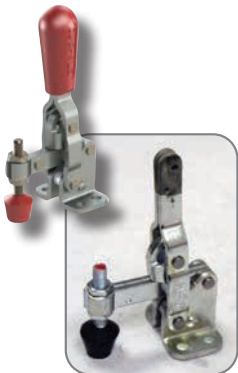
604-229 Stainless steel straight
line clamp used in chemical
machining process

Model 624/624-MM
Standard Product



624-MM-872 with modified handle
and square plunger

Model 202
Standard Product



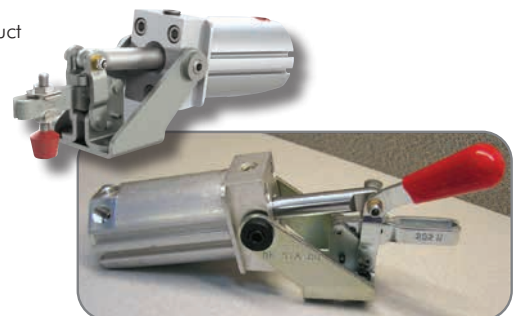
202-200 without
grip, with imperial
threaded spindle

Model 630-M
Standard Product



630-38 with electroless nickel
plating

Model 802-U
Standard Product



802-U219 with handle for manual operation

COLOR HANDLE OPTIONS FOR MANUAL CLAMPS

For visible assignment to security levels, operating modes or maintenance intervals

DESTACO is expanding the selection of color manual clamp handles. Different families of manual clamps are now available with 5 handle colors. The range of colors is interesting for customers who work in prototype construction as well as for customers who need to implement specific safety aspects using standardized color codes. Also it provides the option to have a customized color design.

- Manual lever handles in 5 different colors
- Can be ordered on 14 manual clamp series
- Available on other series models upon request, e.g. UB versions, locking clamps

 Look for this symbol for clamps that offer color handles.



Color Handle Options Overview

Alternate color handles are available for the series listed below that use our standard red handles*. Add -Y, -G, -B, -K to end of model number. Please see our catalog for models available within a series.

*Excludes Blackout Series, Toggle Lock Plus levers or dipped handles.



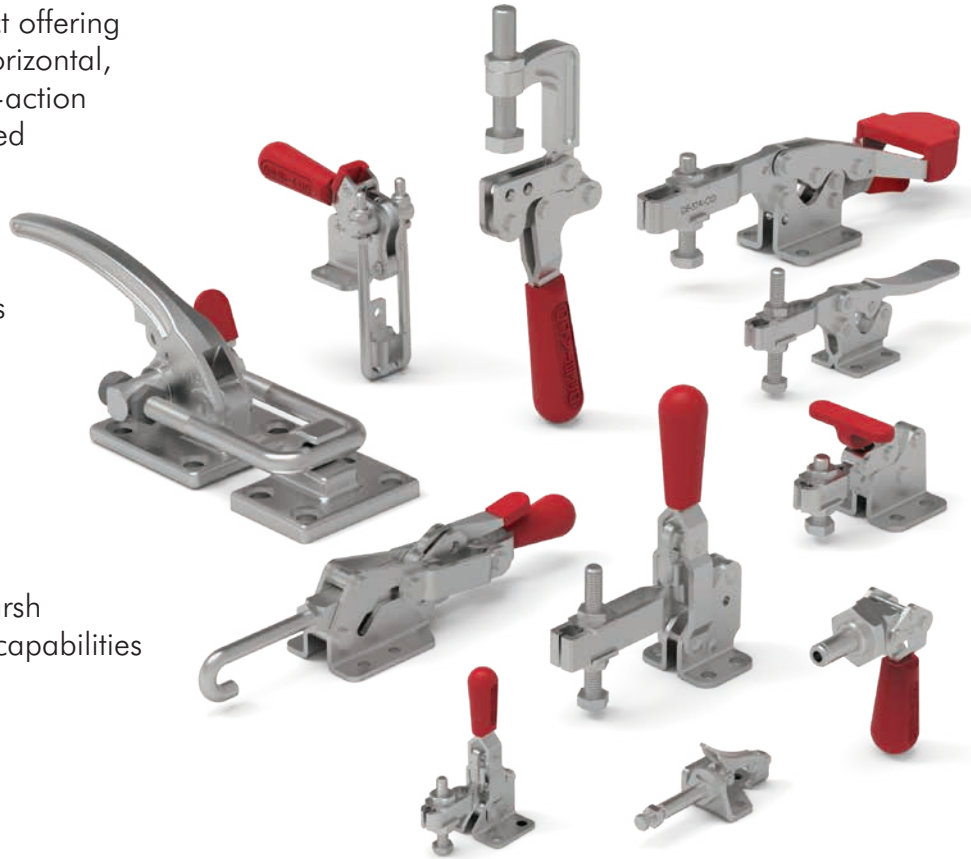
Manual Clamp Series	Standard Red Handle Popular Model Number Used	Green	Blue	Yellow	Black
202	202-U	202-U-G	202-U-B	202-U-Y	202-U-K
207	207-U	207-U-G	207-U-B	207-U-Y	207-U-K
602	602-MM	602-MM-G	602-MM-B	602-MM-Y	602-MM-K
604	604-MM	604-MM-G	604-MM-B	604-MM-Y	604-MM-K
624	624-MM	624-MM-G	624-MM-B	624-MM-Y	624-MM-K
213	213-USS	213-USS-G	213-USS-B	213-USS-Y	213-USS-K
227	227-U	227-U-G	227-U-B	227-U-Y	227-U-K
237	237-U	237-U-G	237-U-B	237-U-Y	237-U-K
2002	2002-U	2002-U-G	2002-U-B	2002-U-Y	2002-U-K
2007	2007-U	2007-U-G	2007-U-B	2007-U-Y	2007-U-K
2010	2010-U	2010-U-G	2010-U-B	2010-U-Y	2010-U-K
2013	2013-U	2013-U-G	2013-U-B	2013-U-Y	2013-U-K
2017	2017-U	2017-U-G	2017-U-B	2017-U-Y	2017-U-K
2027	2027-U	2027-U-G	2027-U-B	2027-U-Y	2027-U-K

STAINLESS STEEL CLAMPING SOLUTIONS

For Vertical, Horizontal, Pull-action Latch and Straight Line-Action Toggle Clamps

DESTACO's stainless steel product offering includes 60 models of vertical, horizontal, pull-action latch and straight line-action toggle clamps. They are fabricated with corrosion, chemical and heat resistant stainless steel.

These stainless steel clamps are suitable for many applications that demand a clamp that is more robust than traditional steel models and are well-suited for outdoor use and food processing, as well as plating, finishing, chemical handling, pharmaceutical manufacturing and other high-temperature or harsh environments. They offer greater capabilities in a cost-effective package.



Product Highlights/Options

- Full stainless steel construction
- Corrosion and heat resistant
- Stainless steel, spindles, hooks and latch plates
- 60 models

Features, Markets and Applications

 PERFORMANCE	• Heat resisting non-magnetic stainless steel in the annealed state and slightly magnetic when cold worked • Stainless steel clamp and rivet design for withstanding corrosive or high temperature (>250° F) applications	 FOOD & PACKAGING	 ASSEMBLY
 INTERCHANGEABLE	• Standard mounting pattern for interchangeability with exist equipment • Oil resistant vinyl or PVC handles can be removed for high temperature applications	 CONSUMER GOODS	 FIXTURE/TESTING
 SAFETY	• Clamp can be locked in open and closed position with optional DESTACO® Toggle Lock Plus™ • Ergonomic and Safe operation	 INDUSTRIAL	 MOLDING
		 LIFE SCIENCES	 WELDING

Sizing and Application Chart

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 Color handles available.
See pg. 6 for more info.

[illegible]



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VERTICAL HOLD DOWN CLAMPS

Sizing and Application Chart

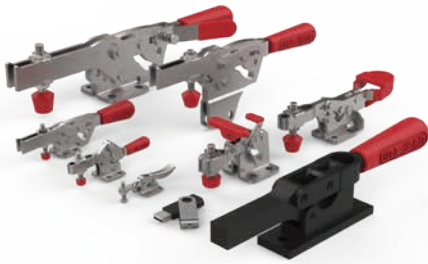
Overall Length mm [in]								Overall Width mm [in]								Suitable Application Areas								Standard Material								Arm Style		Mounting Style		Service Environ- ment	
50 to 75 [1.97 to 2.95]	75 to 100 [2.95 to 3.94]	100 to 125 [3.94 to 4.92]	125 to 150 [4.92 to 5.91]	150 to 175 [5.91 to 6.89]	175 to 200 [6.89 to 7.87]	200 to 225 [7.87 to 8.86]	225 to 250 [8.86 to 9.84]	0 to 20 [0 to 0.78]	20 to 40 [0.78 to 1.57]	40 to 60 [1.57 to 2.36]	60 to 80 [2.36 to 3.15]	80 to 100 [3.15 to 3.94]	100+ [3.94+]	Welding	Assembly	Checking Fixtures	Machining	Woodworking	Closures	Food Processing	Duty Cycle	Steel	Stainless Steel	Color Handles	Toggle Lock Plus	Accom. Workpiece Variation	U-Bar Version	Solid Arm Version	Straight Base	Flanged Base	Weld-on Mounting	Normal	Harsh/Dirty				
<																																					

HORIZONTAL HOLD DOWN CLAMPS

Sizing and Application Chart

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		Max. Holding Capacity N [lbf]					Height Under Clamping Bar mm [in]					Overall Height mm [in]								
Series	Page #	0 to 1000 [0 to 225]	1000 to 2000 [225 to 450]	2000 to 3000 [450 to 675]	3000 to 5000 [675 to 1125]	5000 to 7000 [1125 to 1575]	7000 to 10000 [1575 to 2250]	0 to 10 [0 to 0.39]	10 to 20 [0.39 to 0.79]	20 to 30 [0.79 to 1.18]	30 to 40 [1.18 to 1.57]	40 to 50 [1.57 to 1.97]	50 to 60 [1.97 to 2.36]	0 to 25 [0 to 0.98]	25 to 40 [0.98 to 1.57]	40 to 55 [1.57 to 2.17]	55 to 70 [1.57 to 2.76]	70 to 85 [2.76 to 3.35]	85 to 100 [3.35 to 3.94]	100+ [1.57 +]
2013	32		●						●						●					
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Color handles available.
See pg. 6 for more info.



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HORIZONTAL HOLD DOWN CLAMPS

Sizing and Application Chart

Overall Length mm [in]								Overall Width mm [in]				Suitable Application Areas								Standard Material				Arm Style		Mounting Style			Service Environ- ment				
50 to 75 [1.97 to 2.95]	75 to 100 [2.95 to 3.94]	100 to 125 [3.94 to 4.92]	125 to 150 [4.92 to 5.91]	150 to 175 [5.91 to 6.89]	175 to 200 [6.89 to 7.87]	200 to 225 [7.87 to 8.86]	225 to 250 [8.86 to 9.84]	250+ [9.84+]	0 to 25 [0 to 0.98]	25 to 40 [0.98 to 1.57]	40 to 55 [1.57 to 2.17]	55 to 70 [1.57 to 2.76]	Welding	Assembly	Checking Fixtures	Machining	Woodworking	Closures	Food Processing	Duty Cycle	Steel	Stainless Steel	Color Handles	Toggle Lock Plus	U-Bar Version	Solid Arm Version	Straight Base	Flanged Base	Welded	Normal	Harsh/Dirty		
			●										○	●	●	●	●	●	●	⊗	○	✓		✓	✓	✓			✓		✓		
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● Excellent/High ○ Fair/Medium ● Poor/Low ⊗ Not Recommended

STRAIGHT LINE ACTION CLAMPS

Sizing and Application Chart

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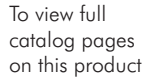
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 Color handles available.
See pg. 6 for more info.



Color handles available.
See pg. 6 for more info.



Sizing and Application Chart

● Excellent/High ○ Fair/Medium ● Poor/Low ⊗ Not Recommended

PULL ACTION LATCH CLAMPS

Sizing and Application Chart

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	Series	Page #	Max. Holding Capacity N [lbf]						Drawing Movement mm [in]					
			0 to 2000 [0 to 450]	2000 to 4000 [450 to 900]	4000 to 6000 [900 to 1350]	6000 to 10000 [1350 to 2250]	10000 to 20000 [2250 to 4500]	20000+ [4500+]	0 to 50 [0 to 1.97]	50 to 75 [1.47 to 2.95]	75 to 100 [2.95 to 3.94]	100 to 125 [3.94 to 4.92]	125 to 150 [4.92 to 5.91]	150+ [5.91+]
 3051 371 344 323 330 353  Color handles available. See pg. 6 for more info.	3031	42	●						●					
	3051	42				●				●				
	330	42	●							●				
	351	42	●									●		
	371	42		●									●	
	381	42			●									●
	323	42	●						●					
	331	42		●					●					
	341	42				●				●				
	375	43					●				●			
	385	43						●		●				
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PULL ACTION LATCH CLAMPS

Sizing and Application Chart

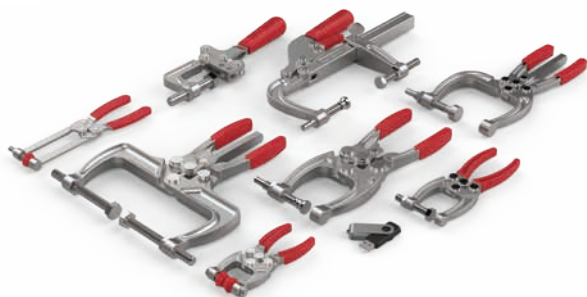
Overall Height mm [in]						Overall Length mm [in]						Overall Width mm [in]						Standard Material				Hook Style				Service Environ- ment	
0 to 50 [0 to 1.97]	50 to 75 [1.47 to 2.95]	75 to 100 [2.95 to 3.94]	100 to 125 [3.94 to 4.92]	125 to 150 [4.92 to 5.91]	150+ [5.91 +]	50 to 100 [1.97 to 3.94]	100 to 150 [3.94 to 5.91]	150 to 200 [5.91 to 7.87]	200 to 250 [5.91 to 9.84]	250 to 300 [5.91 to 11.81]	300 to 350 [11.81 to 13.78]	0 to 40 [0 to 1.57]	40 to 50 [1.57 to 1.97]	50 to 60 [1.97 to 2.36]	60 to 70 [2.36 to 2.76]	70 to 80 [2.76 to 3.15]	80 to 90 [3.15 to 3.54]	Duty Cycle	Steel	Stainless Steel	Color Handles	Toggle Lock Plus™	Fixed	Adjustable U-Hook	Adjustable J-Hook	Normal	Harsh/Dirty
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																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
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																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
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																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
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																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	
																		○	✓	✓			✓			✓	

SQUEEZE ACTION PLIER CLAMPS

Sizing and Application Chart

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		Max. Holding Capacity N [lbf]						Maximum Clamping Thickness mm [in]						Color Handles
Series	Page #	0 to 1000 [0 to 225]	1000 to 2000 [225 to 450]	2000 to 3000 [450 to 675]	3000 to 4000 [675 to 900]	4000 to 5000 [900 to 1125]	5000 to 6000 [1125 to 1350]	0 to 10 [0 to 0.39]	10 to 20 [0.39 to 0.78]	20 to 30 [0.78 to 1.18]	30 to 40 [1.18 to 1.57]	40 to 60 [1.57 to 2.36]	60 to 80 [1.57 to 3.15]	
	325				●					●				✓
	345				●								●	✓
	424	●							●					
	441		●							●				
	431	●						●						
	462				●					●				
	463				●							●		
	482						●			●				
	484						●						●	
	486						●						●	



Color handles available.
See pg. 6 for more info.



See pages 46-49 for more information

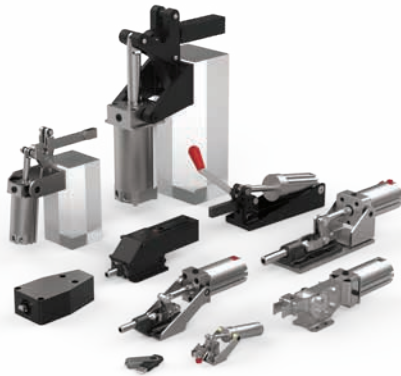


PNEUMATIC TOGGLE CLAMPS

Sizing and Application Chart

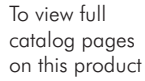
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Series	Page #	Max. Holding Capacity N [lbf]							Max. Exerting Force at 5bar [72PSI] N [lbf]						
		0 to 1000 [0 to 225]	1000 to 2000 [225 to 450]	2000 to 3000 [450 to 675]	3000 to 5000 [675 to 1125]	5000 to 7000 [1125 to 1575]	7000 to 10000 [1575 to 2250]	10000+ [2250+]	0 to 1000 [0 to 225]	1000 to 2000 [225 to 450]	2000 to 3000 [450 to 675]	3000 to 4000 [675 to 900]	4000 to 5000 [900 to 1125]	5000 to 6000 [1125 to 1350]	6000 to 8000 [1350 to 1800]
812	50	●							●						
802	50	●								●					
807	50			●							●				
810	51				●							●			
846	51				●							●			
847	52				●								●		
8007	51				●						●				
858	52							●							●
8021	52		●						●						
8071	52		●								●				
817	53		●							●					
827	53				●						●				
868	53														●
8031	53					●						●			
803	54			●							●				
830	54						●					●			
850	54						●							●	
8051	54			●						●					
8331	54			●						●					
800*	54			N/A					●						
1200*	54			N/A					●						

*Pneumatic Single-Action Hold Down Clamp



Sizing and Application Chart

† The 8051/8331 are also excellent for use in Food Processing, Molding and Door/Lid Closure applications.

PNEUMATIC SWING CLAMPS

Sizing and Application Chart

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catalog pages
on this product



 8822 8732	8822	55		•										•			•				✓			✓	✓	✓	✓
	8832	55			•									•			•				✓			✓	✓	✓	✓
	8840	55				•								•			•				✓			✓	✓	✓	✓
	8850	55					•							•			•				✓			✓	✓	✓	✓
	8725	55	•											•			•					✓			✓	✓	✓
	8732	55			•									•			•					✓			✓	✓	✓
	8740	55				•								•			•					✓			✓	✓	✓
	8750	55												•			•					✓			✓	✓	✓
 89R40 9540	9522-2	56		•					•					•			•				✓			✓	✓		✓
	9530-2	56			•				•					•			•				✓			✓	✓		✓
	9540-2	56				•			•					•			•				✓			✓	✓		✓
	9550-2	56					•		•					•			•				✓			✓	✓		✓
	89R20	57		•					•					•			•				✓			✓	✓		
	89R32	57			•				•					•			•				✓			✓	✓		
	89R40-010	57				•			•					•			•				✓			✓	✓		
	89R40-025	57				•				•				•			•				✓			✓	✓		
 89R50 89B63	89R50	57					•			•				•			•				✓			✓	✓		
	89B63	57						•		•				•			•				✓			✓	✓		
	89B20	57		•					•					•			•				✓			✓	✓		
	89B32	57			•				•					•			•				✓			✓	✓		
	89B40	57				•			•					•			•				✓			✓	✓		
	89B50	57					•			•				•			•				✓			✓	✓		
	89B63	57						•		•				•			•				✓			✓	✓		
	8115/8116	58	•						•					•			•				✓			✓	✓	✓	
 8315 89E40	8315/9316	58				•				•				•			•				✓			✓	✓	✓	
	89E20	58		•					•					•			•				✓			✓	✓		
	89E32	58			•				•					•			•				✓			✓	✓		
	89E40	58				•			•					•			•				✓			✓	✓		
	89E50	58					•			•				•			•				✓			✓	✓		
	89E63	58						•		•				•			•				✓			✓	✓		
	8015/8016	59	•						•					•			•				✓			✓	✓	✓	
	8215/8216	59			•					•				•			•				✓			✓	✓	✓	
 8415/8416	035-125	59		•					•					•			•				✓			✓	✓		
	035-132	59			•				•					•			•				✓			✓	✓		
	035-140	59				•				•				•			•				✓			✓	✓		
	035-150	59					•			•				•			•				✓			✓	✓		
	035-225	59		•					•					•			•					✓		✓	✓		
	035-232	59			•				•					•			•					✓		✓	✓		
	035-240	59				•			•					•			•					✓		✓	✓		
	035-250	59					•			•				•			•					✓		✓	✓		
 6004-SW	6002-SW	61			N/A				•					•			•				✓			✓	✓	✓	✓
	6004-SW	61			N/A									•			•					✓		✓	✓	✓	✓

Color handles available.
See pg. 6 for more info.

Color handles available.
See pg. 6 for more info.



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PNEUMATIC POWER CYLINDERS

See pages 62-63 for more information



PNEUMATIC POWER CLAMPS

Sizing and Application Chart

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		Holding Torque at 5 bar Nm [ft-lb]					Clamping Torque at 5 bar Nm [ft-lb]					Piston Diameter mm [in]						
Series	Page	0 to 100 [0 to 74]	100 to 500 [74 to 369]	500 to 1000 [369 to 738]	1000 to 2000 [738 to 1475]	2000 to 4000 [1475 to 2950]	0 to 100 [0 to 74]	100 to 500 [74 to 369]	500 to 1000 [369 to 738]	1000 to 2000 [738 to 1475]	2000 to 4000 [1475 to 2950]	Less than 25 [0.98]	25 [0.98]	32 [1.26]	40 [1.57]	50 [1.97]	63 [2.48]	80 [3.15]
81L-1	64	●					●					●						
82L-4	65	●					●					●	●					
82L-3E	66	●	●				●	●					●	●	●			
82M-3	70		●		●	●		●	●						●	●	●	●
TCC-2	72	●	●				●	●							●	●		
52H-3	74				●													
870/871	80		●				●								●			
860/861	81			●				●								●		
890/891	81				●			●									●	
1000/1001	81					●			●								●	●
82D	82		●				●	●							●		●	
84A	84	●	●				●	●							●	●		



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PNEUMATIC POWER CLAMPS

Sizing and Application Chart

Material		Weight Kg [lbs]	Air Consumption per Double Stroke at 5 bar dm³ [ft³]				Suitable Application Areas						Features												
Aluminum	Steel	0 to 2 [0 to 4.41]	2 to 4 [4.41 to 8.82]	4 to 6 [8.82 to 13.23]	6 to 8 [13.23 to 17.64]	More than 8 [17.64]	0 to 0,5 [0 to 31]	0,5 to 1,0 [31 to 61]	1,0 to 2,0 [61 to 122]	More than 2,0 [122]	Welding	Assembly	Dirty Environment	End Effector	Machining	Duty Cycle	Adjustable Opening Angle	Inductive Sensors Available	Dual Arms	Tolerance Compensating	Manual Version Available	Center Arm	Lateral Arms	Toggle Locking	
●		●					●				⊗	●	○	●	●	○							✓		✓
●		●					●				○	●	●	●	●	●	✓	✓			✓	✓	✓	✓	✓
●		●	●	●			●	●	●		●	●	●	●	●	●	✓	✓					✓	✓	✓
●		●	●	●	●			●	●	●	●	●	●	●	●	●	✓	✓			✓	✓	✓	✓	✓
●		●	●	●				●	●	●	●	●	●	●	●	●	✓	✓		✓			✓	✓	✓
●			●								●	●	●	●	●	●	✓	✓			✓	✓	✓	✓	✓
	●		●					●			⊗	●	○	●	●	●							✓		✓
	●		●								⊗	●	○	●	●	●						✓		✓	✓
	●				●						⊗	●	○	●	●	●						✓		✓	✓
	●					●					⊗	●	○	●	●	●						✓		✓	✓
●			●	●					●	●	●	●	●	○	●	●			✓	✓					✓
●							●	●			●	●	●	●	●	●		✓	✓	✓		✓			

● Excellent/High ○ Fair/Medium ● Poor/Low ⊗ Not Recommended

HOLD-DOWN CLAMP OPTIONS, 2002

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Vertical Hold Down Clamps

Guide to DESTACO Hold-Down Clamp options

Please refer to each series of Hold-Down Clamps in this Visual Selection Guide for specific availability.

"U" Bar for adjustable
spindle location



"S" Bar for fixed and
customized attachments



Flange Base Mount for
secure surface mounting



"B" Straight Base Mount
for blade mounting



"F" Front Mount for space
saving, compact mounting



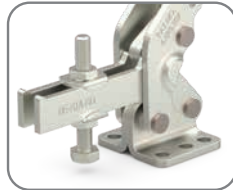
"R" Toggle Lock Plus
prevents accidental/
unintentional opening



"T" T-Handle for low
profile ergonomic
operation



"SS" Stainless Steel
for chemical, heat and
corrosion resistance



"BLK" Blackout Series
for applications requiring
a non-reflective finish



Heavy-Duty clamps
with very high holding
capacities available



2002 Series

Max. Holding Capacity: 2700 N [600 lbf]

 Color handle option available.
See pg. 6 for more info.



2002-U/USS
Flanged Base
U-Bar



-USS Stainless
Steel Model

2002-U-LS-BLK ⓘ
Blackout Series
Flanged Base
U-Bar



2002-S
Flanged Base
Solid Bar



2002-UB
Straight Base
U-Bar



2002-UB-LS-BLK ⓘ
Blackout Series
Straight Base
U-Bar



2002-SB
Straight Base
Solid Bar



2002-UR/URSS
Flanged Base
U-Bar
DESTACO®
Toggle Lock Plus



-URSS Stainless Steel Model

2002-SR ⓘ
Flanged Base
Solid Bar
DESTACO®
Toggle Lock
Plus



2002-UBR
Straight Base
U-Bar
DESTACO®
Toggle Lock
Plus



2002-SBR ⓘ
Straight Base
Solid Bar
DESTACO®
Toggle Lock
Plus



2002-U207
Flanged Base
U-Bar
Interchangeable
with 207 Series



2002-UR207
Flanged Base
U-Bar
Interchangeable
with 207 Series
DESTACO®
Toggle Lock
Plus



2002-UF
Front Mount
Base
U-Bar



202405
Flanged Grip for
Toggle Lock Plus
models. Provides
added safety and
protection. Order
separately.



ⓘ This item is available upon request

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pages on products

2007, 2010**Vertical Hold Down Clamps****2007 Series**

Max. Holding Capacity: 4450 N [1000 lbf]



Color handle option available.
See pg. 6 for more info.



2007-U/USS
Flanged Base
U-Bar



-**USS** Stainless
Steel Model



2007-U-LS-BLK ⓘ
Blackout Series
Flanged Base
U-Bar



2007-S
Flanged Base
Solid Bar



2007-UB
Straight Base
U-Bar



2007-UB-LS-BLK ⓘ
Blackout Series
Straight Base
U-Bar



2007-SB
Straight Base
Solid Bar



2007-UR/URSS
Flanged Base
U-Bar
DESTACO®
Toggle Lock
Plus



-**URSS** Stainless Steel Model

2007-SR ⓘ
Flanged Base
Solid Bar
DESTACO®
Toggle Lock
Plus



2007-UBR
Straight Base
U-Bar
DESTACO®
Toggle Lock
Plus



2007-SBR ⓘ
Straight Base
Solid Bar
DESTACO®
Toggle Lock
Plus



2007-UF
Front Mount Base
U-Bar



207405
Flanged Grip for Toggle
Lock Plus models. Provides
added safety and protection.
Order separately.

**2010 Series**

Max. Holding Capacity: 6230 N [1400 lbf]



Color handle option available.
See pg. 6 for more info.



2010-U
Flanged Base
U-Bar



2010-S
Flanged Base
Solid Bar



2010-UB
Straight Base
U-Bar



2010-SB
Straight Base
Solid Bar



2010-UR
Flanged Base
U-Bar
DESTACO®
Toggle Lock
Plus



2010-SR ⓘ
Flanged Base
Solid Bar
DESTACO®
Toggle Lock
Plus



2010-UBR
Straight Base
U-Bar
DESTACO®
Toggle Lock
Plus



2010-SBR ⓘ
Straight Base
Solid Bar
DESTACO®
Toggle Lock
Plus



ⓘ This item is available upon request

Dimensions and technical information are subject to change without notice

201, 202

Vertical Hold Down Clamps

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201 Series

Max. Holding Capacity: 440 N [100 lbf]
560 N [125 lbf] (USS)



Color handle option available.
See pg. 6 for more info.



201-U/USS Flanged Base U-Bar



-USS Stainless
Steel Model



201-UB Straight Base



201-TU Flanged Base U-Bar T-Handle



202 Series

Max. Holding Capacity: 890 N [200 lbf]
1110 N [250 lbf] (USS, SS)



Color handle option available.
See pg. 6 for more info.



202-U/USS Flanged Base U-Bar



-USS Stainless
Steel Model



202-UL Flanged Base Long U-Bar



202-SS Flange Base Solid Bar



-SS Stainless
Steel Model



202-UB Straight Base U-bar



202-B Straight Base Solid Bar



202-TU Flanged Base U-bar, T-Handle



202-T Flanged Base Solid Bar T-Handle



202-U-L ⓘ Flanged Base Open U-Bar



202-U-L-BLK ⓘ Blackout Series Flanged Base Open U-Bar



202-UB-L ⓘ Straight Base Open U-Bar



202-UB-L-BLK ⓘ Blackout Series Straight Base Open U-Bar



202305
Flanged Grip.
Provides added safety
and protection. Fits all
202 Series (except
T-Handle) clamps.
Order separately.



ⓘ This item is available upon request

Vertical Hold Down Clamps

207 Series

Max. Holding Capacity: 1670 N [375 lbf]
2000 N [450 lbf] (USS)
2220 N [500 lbf] (S, L, LR, SB, LB, LBR, SF)

 Color handle option available.
See pg. 6 for more info.



207-U

Flanged Base
U-Bar



-USS Stainless
Steel Model



207-UL

Flanged Base
Long U-Bar



207-S

Flanged Base
Solid Bar



207-L

Flanged Base
Long Solid Bar



207-TU

Flanged Base
T-Handle
U-Bar



207-TUL

Flanged Base
T-Handle
Long U-Bar



207-UR

Flanged Base
U-Bar
DESTACO®
Toggle Lock
Plus



207-LR

Flanged Base
Long Solid Bar
DESTACO®
Toggle Lock
Plus



207-UB

Straight Base
U-Bar



207-ULB

Straight Base
Long U-Bar



207-SB

Straight Base
Solid Bar



207-LB

Straight Base
Long Solid
Bar



207-LBR^①

Straight Base
Long Solid Bar
DESTACO®
Toggle Lock
Plus



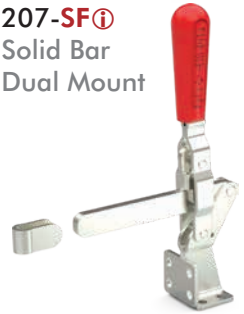
207-UF^①

U-Bar
Dual Mount



207-SF^①

Solid Bar
Dual Mount



207-U-L^①

Flange Base
Open Bar



207-U-L-BLK

Blackout Series
Flanged Base
Open U-Bar



207-UB-L^①

Straight Base
Open Bar



207-UB-L-BLK

Blackout Series
Straight Base
Open U-Bar



207305

Flanged Grip.
Provides added safety
and protection. Fits all
207 Series (except
T-Handle) clamps.
Order separately.



^① This item is available upon request

210, 247, 267, 5900

Vertical Hold Down Clamps

210 Series

Max. Holding Capacity: 2670 N [600 lbf]
3340 N [750 lbf] (USS, SB, SR)



Color handle option available.
See pg. 6 for more info.



210-U/USS

Flanged Base
U-Bar



-USS Stainless
Steel Model



210-S

Flanged Base
Solid Bar



210-UB

Straight Base
U-bar



210-SB

Straight Base
Solid Bar



210-UR

Flanged Base
U Bar

DESTACO®
Toggle Lock
Plus



210-SR

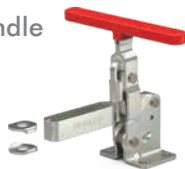
Flanged Base
Solid Bar

DESTACO®
Toggle Lock
Plus



210-TU

Flanged Base
U Bar
T-Handle



247, 267 Series

Max. Holding Capacity: 4450 N [1000 lbf] (247)
5340 N [1200 lbf] (267)



Color handle option available.
See pg. 6 for more info.



247-U

Flanged Base
U-Bar



247-S

Flanged Base
Solid Bar



267-U

Flanged Base
U-Bar



267-S①

Flanged Base
Solid Bar



5900 Series

Max. Holding Capacity: 3340 N [750 lbf] (5905)
7120 N [1600 lbf] (5910)
12230 N [2750 lbf] (5915)



Color handle option available.
See pg. 6 for more info.



5905/5910/5915
Flanged Base



5905-B/5910-B/5915-B
Solid Base



① This item is available upon request

5100, 528, 548, 578, 533, 535

Vertical Hold Down Clamps

5100 Series

Max. Holding Capacity: 3100 N [700 lbf] (5105)
5100 N [1150 lbf] (5110)



5105/5110
Flanged Base



5105-B/5110-B
Solid Base



5105-R/5110-R
Flanged Base
DESTACO®
Toggle Lock
Plus



5105-BR①/5110-BR①
Solid Base
DESTACO®
Toggle Lock
Plus



528 Series

Max. Holding Capacity: 4450 N [1000 lbf]



528
Flanged Base
Solid Bar



528-F①
Front Mount
Base Solid Bar



548, 578 Series

Max. Holding Capacity: 11100N [2500lbf] (548)
17800 N [4000 lbf] (578)



548
Straight Base
Solid Bar



578
Straight Base
Solid Bar



533, 535 Series

Max. Holding Capacity: 7000N [1575 lbf] (533)
10000 N [2250 lbf] (535)



533-L
Flanged Base
Solid Bar



533-LB
Straight Base
Solid Bar



535-L
Flanged Base
Solid Bar



535-LB
Straight Base
Solid Bar



① This item is available upon request

91090, 317, 7-XXX, 527, 229

Vertical Hold Down Clamps

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pages on products

91090 Series

Max. Holding Capacity:
1710 N [385 lbf]



Color handle
option available.
See pg. 6 for
more info.



91090

Front Flanged Base
Open Bar



317 Series

Max. Holding Capacity:
1670 N [375 lbf] (U)
1780 N [400 lbf] (S)



Color handle
option available.
See pg. 6 for
more info.



317-U

U-Bar



317-S

Solid Bar



7-101, 7-58, 7-59, 7-60 Series

Max. Holding Capacity:
2110 N [475 lbf] (7-101)
2670 N [600 lbf] (7-58)
4450 N [1000 lbf] (7-59)
7120 N [1600 lbf] (7-60)



7-101



7-58 7-59 7-60



527 Series

Max. Holding Capacity:
4450 N [1000 lbf]



527

Flanged Base



527-F ⓘ

Front Mount



229 Series

Max. Holding Capacity:
4450 N [1000 lbf]



Color handle
option available.
See pg. 6 for
more info.



229

Flanged Base
Open Bar



ⓘ This item is available upon request

CLICK OR SCAN

QR codes for full catalog
pages on products

500**Vertical Hold Down Clamps****500 Series**

Max. Holding Capacity: 7000 N [1575 lbf] (503)
11000 N [2475 lbf] (505)
22500 N [5060 lbf] (506)



Color handle
option available.
See pg. 6 for
more info.



503-MB
Swivel Base



503-MLB
Long Base



503-MLBR
Long Base,
DESTACO®
Toggle Lock
Plus™



503-MBLSC①
Swivel Base
with Locking
Spring Clip



503-MLBLSC①
Long Base
with Locking
Spring Clip



505-MB
Swivel Base



505-MLB
Long Base



505-MBLSC①
Swivel Base
with Locking
Spring Clip



505-MLBLSC①
Long Base
with Locking
Spring Clip



506-MB
Swivel Base



506-MLB①
Long Base



506-MBLSC①
Swivel Base
with Locking
Spring Clip



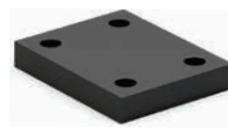
506-MLBLSC①
Long Base
with Locking
Spring Clip

**Accessories****Handle**

503503-L (503)
505503-L (505)
506503-L (506)

**Clamping Bar**

503501 (503)
505501 (505)
506501 (506)

**Base Plate**

503502 (503)
505502 (505)
506502 (506)

① This item is available upon request

2013, 2017, 2027, 213

Horizontal Hold Down Clamps

CLICK OR SCAN

QR codes for full catalog
pages on products

2013 Series

Max. Holding Capacity: 1310 N [295 lbf]

2013-U
Flanged Base
U-Bar



2013-U-LS-BLK ⓘ
Blackout Series
Flanged Base
U-Bar



2013-UR
Flanged Base, U-Bar
DESTACO®
Toggle Lock Plus™



Color handle option
available. See pg. 6
for more info.



2017 Series

Max. Holding Capacity: 2500 N [560 lbf]

2017-U
Flanged Base
U-Bar



2017-U-LS-BLK ⓘ
Blackout Series
Flanged Base
U-Bar



2017-UR
Flanged Base, U-Bar
DESTACO®
Toggle Lock Plus™



Color handle option
available. See pg. 6
for more info.



2027 Series

Max. Holding Capacity: 3740 N [840 lbf]

2027-U
Flanged Base
U-Bar



2027-U-LS-BLK ⓘ
Blackout Series
Flanged Base
U-Bar



2027-UR
Flanged Base, U-Bar
DESTACO®
Toggle Lock Plus™



Color handle option
available. See pg. 6
for more info.



213 Series

Max. Holding Capacity: 670 N [150 lbf]

213-U/USS
Flanged Base
U-Bar



-USS Stainless
Steel Model



213-U-LS-BLK ⓘ
Blackout Series
Flanged Base
U-Bar



213-UB
Straight Base
U-Bar



213-UB-LS-BLK ⓘ
Blackout Series
Straight Base
U-Bar



Color handle option available.
See pg. 6 for more info.



213-U-L ⓘ
Flanged Base
Open Bar



213-U-L-BLK ⓘ
Flanged Base
Open Bar



213-UB-L ⓘ
Straight Base
Open Bar



213-UB-L-BLK ⓘ
Blackout Series
Straight Base
Open Bar



ⓘ This item is available upon request

CLICK OR SCAN

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pages on products

217, 227**Horizontal Hold Down Clamps****217 Series**

Max. Holding Capacity: 900 N [200 lbf]
1110 N [250 lbf] (USS)



Color handle option available.
See pg. 6 for more info.



217-U/USS
Flanged Base
U-Bar



-USS Stainless
Steel Model



217-U-LS-BLK ⓘ
Blackout Series
Flanged Base
U-Bar



217-UB
Straight Base
U-Bar



217-UB-LS-BLK ⓘ
Blackout Series
Straight Base
U-Bar



217-U-L ⓘ
Flanged Base
Open Bar



217-U-L-BLK ⓘ
Flanged Base
Open Bar



217-UB-L ⓘ
Straight Base
Open Bar



217-UB-L-BLK ⓘ
Blackout Series
Straight Base
Open Bar

**227 Series**

Max. Holding Capacity: 2220 N [500 lbf]
2670 N [600 lbf] (USS)



Color handle option available.
See pg. 6 for more info.



227-U/USS
Flanged Base
U-Bar



-USS Stainless
Steel Model



227-U-LS-BLK ⓘ
Blackout Series
Flanged Base
U-Bar



227-UB
Straight Base
U-Bar



227-UB-LS-BLK ⓘ
Blackout Series
Straight Base
U-Bar



227-U-L ⓘ
Flanged Base
Open Bar



227-U-L-BLK ⓘ
Flanged Base
Open Bar



227-UB-L ⓘ
Straight Base
Open Bar



227-UB-L-BLK ⓘ
Blackout Series
Straight Base
Open Bar



ⓘ This item is available upon request

237, 245, 205, 215

Horizontal Hold Down Clamps

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pages on products

237 Series

Max. Holding Capacity:
3340 N [750 lbf]
3780 N [850 lbf] (USS)

 Color handle
option available.
See pg. 6 for
more info.



237-U/USS

Flanged Base
U-Bar



-USS Stainless
Steel Model

245 Series

Max. Holding Capacity:
4450 N [1000 lbf]

245-U

Flanged Base
U-Bar



205 Series

Max. Holding Capacity: 270N [60 lbf]
340N [75 lbf] (USS, SSS)



205-U/USS

Flanged Base
U-Bar



-USS Stainless
Steel Model

205-UB ①

Straight Base
U-Bar



205-UL ①

Left Flanged Base
U-Bar



205-UR ①

Right Flanged Base
U-Bar



205-S/SSS

Flanged Base
Solid Bar



-USS Stainless
Steel Model

205-SB ①

Straight Base
Solid Bar



205-SL ①

Left Flanged Base
Solid Bar



205-SR ①

Right Flanged Base
Solid Bar



215 Series

Max. Holding Capacity: 890 N [200 lbf]
1110 N [250 lbf] (USS)



215-U/USS

Flanged Base
U-Bar



-USS Stainless
Steel Model

215-UB ①

Straight Base
U-Bar



215-S

Flanged Base
Solid Bar



① This item is available upon request

225 Series

Max. Holding Capacity: 2220 N [500 lbf]
2670 N [600 lbf] (USS, URSS, UBSS)



225-U/USS
Flanged Base
U-Bar



-USS Stainless
Steel Model

225-UR/URSS
Flanged Base, U-Bar
DESTACO®
Toggle Lock
Plus



-URSS Stainless
Steel Model

225-UB/UBSS ①
Straight Base
U Bar



-UBSS Stainless
Steel Model

225-UF
Front Mount Base
U-Bar



235 Series

Max. Holding Capacity: 3340 N [750 lbf]
3780 N [850 lbf] (USS, URSS)

 Color handle option available.
See pg. 6 for more info.



235-U/USS
Flanged Base
U-Bar



-USS Stainless
Steel Model

235-UR/URSS
Flanged Base
U-Bar
DESTACO®
Toggle Lock
Plus



-URSS Stainless
Steel Model

235-UB ①
Straight Base
U Bar



235-UF
Front Mount Base
U-Bar



305, 307, 309 Series

Max. Holding Capacity: 670 N [150 lbf] (305)
900 N [200 lbf] (305-USS, 305-URSS)
1560 N [350 lbf] (307)
3340 N [750 lbf] (309)



305-U/USS
Flanged Base
U-Bar



-USS Stainless
Steel Model

305-UR/URSS
Flanged Base
U-Bar
DESTACO®
Toggle Lock
Plus™



-URSS Stainless
Steel Model

307-U/USS
Flanged Base
U-Bar



-USS Stainless
Steel Model

307-UR/URSS
Flanged Base
U-Bar
DESTACO®
Toggle Lock
Plus™



-URSS Stainless
Steel Model

309-U/USS
Flanged Base
U-Bar



-USS Stainless
Steel Model

309-UR ①
Flanged Base
U-Bar
DESTACO®
Toggle Lock
Plus™



① This item is available upon request

206, 5300

Horizontal Hold Down Clamps

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pages on products

206 Series

Max. Holding Capacity: 440 N [100 lbf]

206-SS

Flanged Base
Low U-Bar
Stainless Steel



206-HSS

Flanged Base
High U-Bar
Stainless Steel



5300 Series

Max. Holding Capacity: [600lbf] 2670N (5305)
[1300lbf] 5780N (5310)



Color handle option available.
See pg. 6 for more info.



5305/5310

Flanged Base



5305-B/5310-B

Soild
Base



5305-R/5310-R

Flanged Base
with
DESTACO®
Toggle Lock
Plus



5305-BR[®]/5310-BR[®]

Solid Base
with
DESTACO®
Toggle Lock
Plus



 This item is available upon request

6001 Series

Max. Holding Capacity: [150 lbf] 670 N



6001/-M

6001-SS/-MSS



601 Series

Max. Holding Capacity: [100 lbf] 440 N



601

601-M

601-O
Straight Base
U-Bar

601-SS
Stainless steel

601-OSS①
Stainless steel
External
thread



6015 Series

Max. Holding Capacity: [560 lbf] 2500 N
[630 lbf] 2800 N (SS, MSS)



6015/-M

6015-SS/-MSS
Stainless
Steel

6015-R/-MR
DESTACO®
Toggle Lock
Plus



603, 608 Series

Max. Holding Capacity: [600 lbf] 2670 N (603, 603-M, 603-R, 603-MR)
[840 lbf] 3740 N (603-SS, 603-MSS)
[850 lbf] 3780 N (608)

 Color handle option available.
See pg. 6 for more info.



603/-M

603-SS/-MSS
Stainless
Steel

603-R/-MR
DESTACO®
Toggle Lock
Plus

608/-M



① This item is available upon request

605, 606, 607, 609, 610, 615, 620, 630

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Straight Line Action Clamps

605 Series

Max. Holding Capacity:
[300 lbf] 1330 N



Color handle
option available.
See pg. 6 for
more info.



605/-M



606 Series

Max. Holding Capacity:
[450 lbf] 2000 N



606/-M



607 Series

Max. Holding Capacity:
[800 lbf] 3560 N



Color handle
option available.
See pg. 6 for
more info.



607/-M



607-SQ/-SQM
with Square
Plunger



609 Series

Max. Holding Capacity:
[300 lbf] 1330 N



Color handle
option available.
See pg. 6 for
more info.



609

Flanged Base



609-B

Straight Base



610 Series

Max. Holding Capacity:
[800 lbf] 3560 N



610/-M



615 Series

Max. Holding Capacity:
[300 lbf] 1330 N



Color handle
option available.
See pg. 6 for
more info.



615



620 Series

Max. Holding Capacity:
[600 lbf] 2670 N



Color handle
option available.
See pg. 6 for
more info.



620/-M



630 Series

Max. Holding Capacity:
[2,500 lbf] 11100 N



Color handle
option available.
See pg. 6 for
more info.



630/-M



630-R/MR

DESTACO®
Toggle Lock
Plus



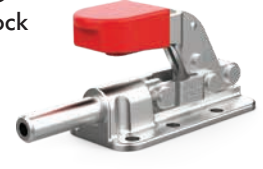
630-SS/MSS

Stainless Steel



630-RSS/MRSS

Stainless Steel
DESTACO®
Toggle Lock
Plus



640 Series

Max. Holding Capacity:
[7,500 lbf] 33400 N



Color handle
option available.
See pg. 6 for
more info.



640/-M



640-R/-MR

DESTACO®
Toggle Lock
Plus



650 Series

Max. Holding Capacity:
[16,000 lbf] 71200 N



650/-M



95000 Series

Max. Holding Capacity: [550 lbf] 2450 N (95030)
[1100 lbf] 4900 N (95040)
[1650 lbf] 7340 N (95050)
[3960 lbf] 17600 N (95060)



95030



95040



95050 ⓘ



95060 ⓘ



5130, 5131, 5133 Series

Max. Holding Capacity: [2500 lbf] 11120 N (5131)
[5800 lbf] 25800N (5130)
[4600 lbf] 20460N (5133)



5130/-M

5131/-M

5133/-M

Flanged Base



5130-B/-MB

5131-B/-MB

5133-B/-MB

Solid Base



5130-R/-MR

5131-R/-MR

5133-R/-MR

Flanged Base

DESTACO®
Toggle Lock
Plus



5130-BR ⓘ/-MBR ⓘ

5131-BR ⓘ/-MBR ⓘ

5133-BR ⓘ/-MBR ⓘ

Solid Base

DESTACO®
Toggle Lock
Plus



5150 Series

Max. Holding Capacity: [5800lbf] 25800N



5150/-M

Flanged Base



5150-B/-MB

Solid Base



5150-R/-MR

Flanged Base

DESTACO®
Toggle Lock
Plus



5150-BR ⓘ/-MBR ⓘ

Solid Base

DESTACO®
Toggle Lock
Plus



ⓘ This item is available upon request

602, 604, 624, 6004, 614, 670, 675, 690, 695

Straight Line Action Clamps

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pages on products

602, 604, 624 Series

Max. Holding Capacity: [200 lbf] 900 N (602 Series)
[300 lbf] 1330 N (604, 604-R, 604-MM, 604-MMR)
[400 lbf] 1780 N (604-SS, 604-RSS, 604-MMSS, 604-MMRSS)
[700 lbf] 3110 N (624 Series)

 Color handle
option available.
See pg. 6 for
more info.



602/-SS/-MM/-MMSS



604/-SS/-MM/-MMSS ⓘ
604-R/-RSS/-MMR/-MMRSS



DESTACO®
Toggle Lock
Plus

624/-SS/-MM/
624-R/-RSS/-MMR/-MMRSS



DESTACO®
Toggle Lock
Plus

6002, 6004, 6024 Series

Max. Holding Capacity: [2100 lbf] 9340 N

 Color handle
option available.
See pg. 6 for
more info.



6002/-SS
6002-MM/-MMSS



6004/-SS
6004-MM/-MMSS



6024/-SS
6024-MM/-MMSS



6002-R/-RSS
6002-MMR/-MMRSS
with DESTACO® Toggle
Lock Plus™



6004-R/-RSS
6004-MMR/-MMRSS
with DESTACO® Toggle
Lock Plus™



6024-R/-RSS
6024-MMR/-MMRSS
with DESTACO® Toggle
Lock Plus™



Mounting Plates for 602, 604, 624, 6004 Series

602106-M (for 602, 602-MM)



604106 (for 604, 6004)
604106-M (for 604-MM, 6004-MM)



624106-M (for 624, 624-MM)



614 Series

Max. Holding Capacity:
[1125 lbf] 5000 N

 Color handle
option available.
See pg. 6 for
more info.



614-M



670, 675, 690, 695 Series

Max. Holding Capacity:
[2400 lbf] 10680 N (670-1, 675-1)
[5000 lbf] 22240 N (690-1, 695-1)



670-1MBPLS



675-1MBPLS



690-1MBPLS



695-1MBPLS ⓘ



ⓘ This item is available upon request

Variable Stroke Straight Line Action Clamps

FO Series

Type of Mounting:

- Foot mount

Type of Actuation:

- Hand wheel or hand lever (one-handed operation)
- Locking lever and Plunger (two-handed operation)



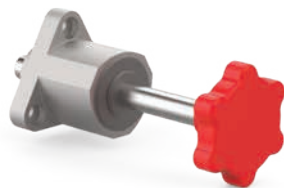
FL Series

Type of Mounting:

- Flange mount

Type of Actuation:

- Locking lever or hand wheel (one-handed operation)
- Locking lever and Plunger (two-handed operation)



G Series

Type of Mounting:

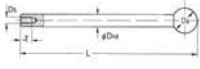
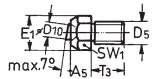
- Through hole mount

Type of Actuation:

- Locking lever and Plunger (two-handed operation)
- Hand wheel or hand lever (one-handed operation)



		Model	Holding Capacity Max. [lbs] N
Flanged base 		FO-082-40	[335] 1500
		FO-120	[675] 3000
		FO-121-45	[675] 3000
		FO-122-45	[675] 3000
		FO-160	[2020] 9000
		FO-161-60	[2020] 9000
Front flange 		FL-120	[675] 3000
		FL-121-45	
		FL-122-45	
		FL-160	[2020] 9000
Threaded mount 		FL-161-60	
		FL-162-60	
		G-082-40	[335] 1500
		G-120	[675] 3000
		G-121-45	[675] 3000
		G-122-45	

Accessories	Model
Plunger 	12/100
	12/200
	12/300
	16/100
	16/200
	16/300
	16/400
	16/500
	22/100
	22/200
	22/300
Swivel thrust pad 	K508
	K612
	K816
	K1222

F Series

Type of Mounting:

- Block style base provides for variable mounting

Type of Actuation:

- Two-Hand/Plunger-Hand Lever



Model	Holding Capacity Max. [lbs] N
F-160	[4040] 18000



3031, 3051, 330, 351, 371, 381, 323, 331, 341

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Pull Action Latch Clamps

3031, 3051 Series

Max. Holding Capacity: 6700N [1500lbf]

 Color handle option available.
See pg. 6 for more info.



3031/-SS



3031-R/-RSS

DESTACO®
Toggle Lock
Plus



3051/-SS



3051-R/-RSS

DESTACO®
Toggle Lock
Plus



330, 351, 371, 381 Series

Max. Holding Capacity: 900 N [200 lbf] (330)
1670 N [375 lbf] (351)
2000 N [450 lbf] (351-SS)
3340 N [750 lbf] (371)
4450 N [1000 lbf] (381)

 Color handle option available.
See pg. 6 for more info.



330/-SS



351/-SS



351-B/-BSS
Narrow Base



351-R/-RSS

DESTACO®
Toggle Lock
Plus



371/-SS



371-R/-RSS

DESTACO®
Toggle Lock
Plus



381/-SS



To order clamp with longer hook, add
-M-25, -M-50, or -M-100 to the end
of the model. Example: 330-M-50

323, 331, 341 Series

Max. Holding Capacity: 1600 N [360 lbf] (323)
3200 N [720 lbf] (331)
8900 N [2000 lbf] (341)

 Color handle option available.
See pg. 6 for more info.



323/-SS



323-R/-RSS

DESTACO®
Toggle Lock
Plus



331/-SS



331-R/-RSS

DESTACO®
Toggle Lock
Plus



341/-SS



341-R/-RSS

DESTACO®
Toggle Lock
Plus



To order clamp with longer hook, add
-M-25, -M-50, or -M-100 to the end
of the model. Example: 323-M-50

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375, 385**Pull Action Latch Clamps****375 Series**

Max. Holding Capacity: [4000 lbf] 17800 N



Color handle option available.
See pg. 6 for more info.

**375****375-R**

DESTACO®
Toggle Lock
Plus

**375-B**

Weld-on
Mounting

**375-BR①**

Weld-on
Mounting
DESTACO®
Toggle Lock
Plus



375509
Cleat



385102
Optional
Latch Plate
for 375 and
375-R



To order clamp with longer hook, add
-M-25, **-M-50**, or **-M-100** to the end
of the model. Example: 375-**M-50**

385 Series

Max. Holding Capacity: [7500 lbf] 33300 N (385)

**385/-SS**

385-R/-RSS
DESTACO®
Toggle Lock
Plus



385-L
Low Profile
Handle



385102
Optional
Latch Plate
for 385, 385-R
and 385-L



385902
Optional Stainless
Latch Plate for
385-SS and
385-RSS



To order clamp with longer hook, add
-M-25, **-M-50**, or **-M-100** to the end
of the model. Example: 385-**M-50**

324, 334, 344, 374, 301, 311, 3011, 353

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Pull Action Latch Clamps

324, 334, 344, 374 Series

Max. Holding Capacity: [500 lbf] 2200 N (324)
[1000 lbf] 4450 N (334)
[2000 lbf] 8900 N (344)
[4000 lbf] 17800 N (374)

 Color handle option available.
See pg. 6 for more info.



324/-SS



324-R/-RSS

DESTACO®
Toggle Lock
Plus



334/-SS



334-R/-RSS

DESTACO®
Toggle Lock
Plus



344/-SS



344-R/-RSS

DESTACO®
Toggle Lock
Plus



374



To order clamp with longer hook, add
-M-25, -M-50, or -M-100 to the end
of the model. Example: 324-M-50

301, 311 Series

Max. Holding Capacity:
1670 N [375 lbf] (301)
2000 N [450 lbf] (301-SS)
5340 N [1200 lbf] (311)

 Color handle
option available.
See pg. 6 for
more info.



301/-SS



311



3011 Series

Max. Holding Capacity:
8900 N [2000 lbf]



3011



353 Series

Max. Holding Capacity: 12460 N [2800 lbf] (353-35)
9350 N [2100 lbf] (353-65)



353-35



353-65



325, 345, 424, 441, 431, 425, 435, 460, 480

Squeeze Action Plier Clamps

325 Series

Max. Holding Capacity:
3560 N [800 lbf]



Color handle
option available.
See pg. 6 for
more info.



325/-SS



345 Series

Max. Holding Capacity:
3560 N [800 lbf]



Color handle
option available.
See pg. 6 for
more info.



345



345-G ⓘ



424, 441 Series

Max. Holding Capacity: 900 N [200 lbf] (424)
1560 N [350 lbf] (441)



424

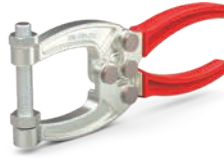


424-2

With Two
Adjustable
Spindles

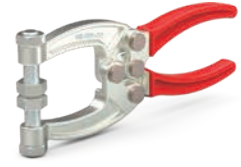


441



441-2

With Two
Adjustable
Spindles



431 Series

Max. Holding Capacity:
400 N [100 lbf]



431



460, 480 Series

Max. Holding Capacity: 3110 N [700 lbf] (462, 462-2, 463)
5340 N [1200 lbf] (482, 484)
4450 N [1000 lbf] (486)



462



462-2

With Two Adjustable
Spindles



463



482



484



486



ⓘ This item is available upon request

SPINDLES

Manual Clamping Accessories

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on products



Flat-Tip Bonded Black Neoprene Spindle – Inch

- Includes jam nuts
- For models available in Stainless Steel add -SS to the end of the model.
Example: 105208-SS



Part No.	Thread
102208	#8-32
105208 (-SS)	
201208 (-SS)	#10-32
202208 (-SS)	1/4-20
215208 (-SS)	
424208	
431208	
225208 (-SS)	5/16-18
507208 (-SS)	
240208 (-SS)	3/8-16
527208	
235208	1/2-13
247208	
267208	5/8-11

Flat-Tip Bonded Red Neoprene Spindle – Metric

- Includes jam nuts



Part No.	Thread
431208-M	M6
424208-M	
202208-M	
215208-M	
225208-M	M8
2007208-M	
507208-M	
240208-M	M10
235208-M	
247208-M	M12



Part No.	Thread
205208-M	M4
201208-M	
305208-M	M5
213208-M	
2013208-M	M8
307208-M	
309208	3/8-16



Part No.	Thread
213208-M-L ⓘ	M5

Cone-Tip Bonded Black Neoprene Spindle – Inch

- Includes jam nuts



Part No.	Thread
305208	#10-32
213208	1/4-20
509208	5/16-18
519208	
210208	3/8-16

Large Diameter Padded Swivel Foot Spindle-Inch

- Includes jam nuts



Part No.	Thread
207209	1/4-20
507209	5/16-18
210209	3/8-16

Plunger-matic Assemblies

- For use with Straight Line Action clamps
- Includes jam nut



Part No.	Thread
905	5/16-18
905-M	M8
920	3/8-16
920-M	M10

Swivel Foot Spindle

- Includes jam nuts



Part No.	Thread	Style
207206-M	M6	A
507206-M	M8	
468206-M	M10	B
210206-M		A
250206-M	M12	C
207206	1/4-20	
507206	5/16-18	B
468206	3/8-16	
210206	1/2-13	C
250206		

ⓘ Item is available upon request.



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SPINDLES, CAPS, WASHERS, BOLT RETAINERS

Manual Clamping Accessories

Hex Head Spindle – Stainless Steel

- Includes jam nuts



Part No.	Thread
205943-M	M4
201943-M	M5
202943-M	M6
207943-M	M8
205943	#8-32
201943	#10-32
202943	1/4-20
207943	5/16-18
237943	3/8-16

Hex Head Spindle

- Includes jam nuts



Part No.	Thread
205203-M	M6
461203-M	M8
207203-M	
491203-M	
210203-M	M10
240203-M	
220203-M	M12
267203-M	M16
105203*	#8-32
305203	#10-32

*Material: nylon

Part No.	Thread
205203	1/4-20
202203	
461203	
441203	5/16-18
207203	
491203	
210203	3/8-16
240203	
527203	
325203	1/2-13
220203	
250203	5/8-11

Neoprene Caps - Slip on Hex Head



Part No.	Fits Spindle Ø
215119	M6 or 1/4
225119	M8 or 5/16
235119	3/8

Neoprene Caps - Slip on



Part No.	Fits Spindle Ø
424107	M6 or 1/4
235110	M10 or 3/8

Polyurethane Caps - Threaded - Flat Tip



Part No.	Fits Spindle Ø	Color
215219	1/4-20	Black
215219-M	M6 x 1.0	Red
225219	5/16-18	Black
225219-M	M8 x 1.25	Red
235219	3/8-16	Black
235219-M	M10 x 1.5	Red

Polyurethane Caps - Threaded - Cone Tip



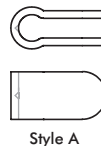
Part No.	Fits Spindle Ø
215319	1/4
225319	5/16
235319	3/8

Flanged Washers –

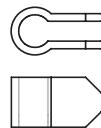


Part No. Standard	Part No. Stainless	Fits Spindle Ø
105106	105906	M4 or #8
102111	102911	M5 or #10
215105	215905	M6 or 1/4
507107	507907	M8 or 5/16
235106	235906	M10 or 3/8
247109	N/A	M12 or 1/2
267102	N/A	M16 or 5/8

Bolt Retainers



Style A



Style B

Part No.	Fits Spindle Ø	Style
207105	M8 or 5/16	A
207105-M		B
210114	M10 or 3/8	A
210114-M		B
247110	M12 or 1/2	A
247110-M		B
250121	M12 or 1/2	A
2002115-E	M6 or 1/4	B
2007115-E	M8 or 5/16	
2010115-E	M10 or 3/8	

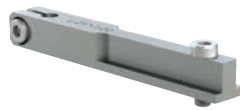
ADAPTERS & EXTENSIONS

Manual Clamping Accessories

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Length Adapter



Model no.	Length Adapter
213-U-L / 213-UB-L	L-213-1-01 ⓘ
2013-U / 2013-UB	
2013-UR / 2013-UBR	L-213-1-02 ⓘ
202-U-L / 202-UB-L	L-217-1-01 ⓘ
217-U-L / 217-UB-L	
2002-U-L / 2002-UB-L	L-217-1-02 ⓘ
2017-U / 2017-UB	L-217-1-03 ⓘ
2017-UR / 2017-UBR	
207-U-L / 207-UB-L	L-227-1-01 ⓘ
227-U-L / 227-UB-L	L-227-1-02 ⓘ
2007-U-LS / 2007-UB-LS	L-227-1-03 ⓘ
2027-U / 2027-UB	
2027-UR / 2027-UBR	L-227-1-04 ⓘ

ⓘ Available upon request.
Also available in Black. Add **-BLK** to part number.

Height Adapter



Model no.	Height Adapter
213-U-L / 213-UB-L	L-213-2-01 ⓘ
2013-U / 2013-UB	
2013-UR / 2013-UBR	L-213-2-02 ⓘ
202-U-L / 202-UB-L	L-217-2-01 ⓘ
217-U-L / 217-UB-L	
2002-U-LS / 2002-UB-LS	L-217-2-02 ⓘ
2017-U / 2017-UB	
2017-UR / 2017-UBR	L-227-2-01 ⓘ
207-U-L / 207-UB-L	
227-U-L / 227-UB-L	L-227-2-02 ⓘ
2007-U-LS / 2007-UB-LS	
2027-U / 2027-UB	L-227-2-02 ⓘ
2027-UR / 2027-UBR	

ⓘ Available upon request.
Also available in Black. Add **-BLK** to part number.

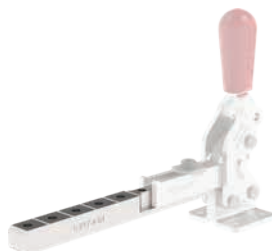
Clamping Arm Adapter



Model no.	Clamping Arm Adapter
213-U-L / 213-UB-L	L-213-3-01 ⓘ
2013-U / 2013-UB	
2013-UR / 2013-UBR	L-217-3-01 ⓘ
202-U-L / 202-UB-L	
217-U-L / 217-UB-L	L-217-3-01 ⓘ
2002-U-LS / 2002-UB-LS	
2017-U / 2017-UB	L-227-3-01 ⓘ
2017-UR / 2017-UBR	
207-U-L / 207-UB-L	L-227-3-01 ⓘ
227-U-L / 227-UB-L	
2007-U-LS / 2007-UB-LS	L-227-3-01 ⓘ
2027-U / 2027-UB	
2027-UR / 2027-UBR	

ⓘ Available upon request.
Also available in Black. Add **-BLK** to part number.

Arm Extension:



Model no.	Extension link
213-U-L / 213-UB-L	L-213-4-01 ⓘ
2013-U / 2013-UB	
2013-UR / 2013-UBR	L-217-4-01 ⓘ
202-U-L / 202-UB-L	
217-U-L / 217-UB-L	L-217-4-01 ⓘ
2002-U-LS / 2002-UB-LS	
2017-U / 2017-UB	L-227-4-01 ⓘ
2017-UR / 2017-UBR	
207-U-L / 207-UB-L	L-227-4-01 ⓘ
227-U-L / 227-UB-L	
2007-U-LS / 2007-UB-LS	L-227-4-01 ⓘ
2027-U / 2027-UB	
2027-UR / 2027-UBR	

ⓘ Available upon request. Also available in Black. Add **-BLK** to part number.

Cross Arm Set

- 1 x cross arm
- 2 x adjustment spindles with neoprene thrust pads vulcanized, resin-free, inc. 2 x fastening nuts
- 4 x flange washer
- 1 x screw, 1 x fastening nut



Model no.	For Models with U Arms	Adjustable Spindles
207426-Q	207, 225, 227	507208-M
210440-Q	210, 235, 237	240208-M

LATCH HOOKS, LATCH PLATES & THUMB CONTROL LEVERS

Manual Clamping Accessories

J-Hook



Use Model No.	J-Hook Assembly (includes nut and washers)		Add. Length J-Hooks Add to the end of the base model number. Example 330215-M-25		
	Steel	Stainless Steel	25mm	50mm	100mm
330, 351, 371, 381	XXX215	XXX915	-M-25	-M-50	-M-100
3031, 3051	XXXX208	XXXX808	N/A	N/A	N/A

U-Hook



Use Model No.	U-Hook Assembly (includes nut and washers)		Long U-Hooks Add to the end of the base model number. Example 385215-M-25		
	Steel	Stainless Steel	25mm	50mm	100mm
385, 323, 331, 314, 324, 334, 344, 374	XXX215	XXX915	-M-25	-M-50	-M-100

Latch Plates



Use Model No.	Fits Models Only	Latch Plates (includes nut and washers) Example 323104-M	
		Steel	Stainless Steel
323	All	XXX104-M	XXX104-MSS
331, 341	All	XXX005	XXX905
375	375-B, 375-BR	XXX509	N/A
324, 334, 344	All	XXX101	XXX901

Thumb Control Lever



For Clamp Model No.	Use
330	330-ZB1
351, 351-B, 351-R, 351-SS, 351-RSS	351-ZB1
371, 371-R, 371-SS, 371-RSS	371-ZB1
381, 381-SS	381-ZB1
323, 323-SS	324-ZB1
331, 331-SS, 331-R, 331-RSS	330-ZB1
341, 341-SS, 341-R, 341-RSS	341-ZB1
375, 375-B, 375-R, 375-BR	375-ZB1
385, 385-R, 385-L, 385-SS, 385-RSS	385-ZB1
324, 324-SS	324-ZB1
334, 334-SS	334-ZB1
344, 344-SS	344-ZB1
374	375-ZB1

812, 802, 807 SERIES

Pneumatic Toggle Clamps

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812 Series

812-U



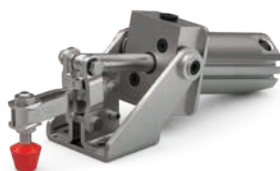
Model	Maximum Holding Capacity		Maximum Exerting Force @ 5bar [72PSI]		Accessories (Supplied)	
	Inner	Outer	Inner	Outer	Spindle Accessory	Flanged Washers
812-U	[100 lbf] 440 N	[55 lbf] 245 N	[136 lbf] 613 N	[92 lbf] 413 N	305208-M	102111

High temperature version
available upon request. Add **-HT**

Optional Sensors: 810156, 810158
Replacement Clamp Assembly: 812-U-LC
Replacement Cylinder Assembly: 812CYL

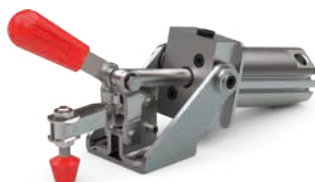
802 Series

802-U
802-UE



Model	Maximum Holding Capacity		Max. Exerting Force @ 5bar [72PSI]		Accessories (Supplied)	
	Inner	Outer	Inner	Outer	Spindle Accessory	Flanged Washers
802-U						
802-UH	[200 lbf] 890 N	[110 lbf] 490 N	[200 lbf] 890 N	[110 lbf] 490 N	202208-M	215105
802-UE						
802-UEH						

802-UH
802-UEH



Replacement Seal Kit: 802550-20-1-00
Replacement Clamp Assembly: 802-U-LC
Replacement Cylinder Assembly: 802CYL

Sensor Accessories

Round Reed Switch with Quick Disconnect
T-slot Reed Switch with Quick Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
8EA-109-1
CABL-010
CABL-013

807 Series

807-U
807-UE



Model	Maximum Holding Capacity		Maximum Exerting Force @ 5bar [72PSI]		Accessories (Supplied)		
	Inner	Outer	Inner	Outer	Spindle Accessory	Flanged Washers	Bolt Retainer
807-U					--		
807-UH	[375 lbf] 1670 N	[275 lbf] 1220 N	[576 lbf] 2573 N	[297 lbf] 1327 N	2007208-M	507107	--
807-UE							
807-UEH							
807-S	[500 lbf] 2220 N	[260 lbf] 1160 N	[540 lbf] 2412 N	[180 lbf] 804 N	--	--	207105
807-SE							

807-UH
807-UEH



807-S
807-SE



Replacement Seal Kit: 802450-32-1-00
Replacement Clamp Assembly: 807-U-LC, 807-S-LC
Replacement Cylinder Assembly: 807CYL

Sensor Accessories

Round Reed Switch with Quick Disconnect
T-slot Reed Switch with Quick Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
8EA-109-1
CABL-010
CABL-013

810, 846, 8007 SERIES

Pneumatic Toggle Clamps

810 Series

810-U
810-UE



810-UH
810-UEH



810-S
810-SE



Model	Maximum Holding Capacity		Maximum Exerting Force @ 5bar [72PSI]		Accessories (Supplied)		
	Inner	Outer	Inner	Outer	Spindle Accessory	Flanged Washers	Bolt Retainer
810-U					--		
810-UH	[600 lbf] 2670 N	[290 lbf] 1290 N	[856 lbf] 3834 N	[407 lbf] 1823 N	240208-M	235106	--
810-UE							
810-UEH							
810-S	[750 lbf] 3340 N	[500 lbf] 2220 N	[702 lbf] 3143 N		--	--	210114
810-SE							

Replacement Seal Kit: 810450-40-1-00
Replacement Clamp Assembly: 810-U-LC, 810-S-LC
Replacement Cylinder Assembly: 810CYL

Sensor Accessories

Round Reed Switch with Quick Disconnect
T-slot Reed Switch with Quick Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
8EA-109-1
CABL-010
CABL-013

846 Series

846 ⓘ



Model	Maximum Holding Capacity		Max. Exerting Force @ 5bar [72PSI]	
	Inner	Outer	Inner	Outer
846 ⓘ	[750 lbf] 3340 N	[520 lbf] 2310 N	[786 lbf] 3520 N	[491 lbf] 2200 N

Replacement Seal Kit: 810450-40-1-00
Replacement Clamp Assembly: 846-LC
Replacement Cylinder Assembly: 846CYL

Sensor Accessories

Round Reed Switch with Quick Disconnect
T-slot Reed Switch with Quick Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
8EA-109-1
CABL-010
CABL-013

ⓘ This item is available upon request

8007 Series

8007-E



8007-EHL



8007-EHR



Model	Maximum Holding Capacity		Max. Exerting Force @ 5bar [72PSI]	
	Inner	Outer	Inner	Outer
8007-E				
8007-EHL	[830 lbf] 3700 N	[405 lbf] 1800 N	[606 lbf] 2700 N	[225 lbf] 1000 N
8007-EHR				

Replacement Clamp Assembly: 8007-LC

Sensor Accessories

Round Reed Switch with Quick Disconnect
T-slot Reed Switch with Quick Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
8EA-109-1
CABL-010
CABL-013

847, 858, 8021, 8071 SERIES

Pneumatic Toggle Clamps

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847 Series

847-U



847-S



Model	Maximum Holding Capacity		Max. Exerting Force @ 5bar [72PSI]		Accessories (Supplied)		
	Inner	Outer	Inner	Outer	Spindle Accessory	Flanged Washers	Bolt Retainer
847-U	[1000 lbf] 4450 N	[480 lbf] 2135 N	[948 lbf] 4248 N	[450 lbf] 2018 N	--	247109	--
847-S	[1000 lbf] 4450 N	[650 lbf] 2890 N		[426 lbf] 1912 N	--	--	247110

Replacement Seal Kit: 847450-50-1-00

Replacement Clamp Assembly: 847-U-LC, 847-S-LC

Replacement Cylinder Assembly: 847CYL

Sensor Accessories

Round Reed Switch with Quick Disconnect

T-slot Reed Switch with Quick Disconnect

Quick Disconnect 2M Extension Cable

Quick Disconnect 5M Extension Cable

Item Number

810169

8EA-109-1

CABL-010

CABL-013

858 Series

858

858-E



Model	Maximum Holding Capacity		Max. Exerting Force @ 5bar [72PSI]	
	Inner	Outer	Inner	Outer
858	[4,000 lbf] 17800 N	[2,000 lbf] 8900 N	[1,530 lbf] 6857 N	[800 lbf] 3585 N
858-E				

Replacement Seal Kit: 850450-63-1-00

Replacement Clamp Assembly: 858-LC

Replacement Cylinder Assembly: 858CYL

Sensor Accessories

Round Reed Switch with Quick Disconnect

T-slot Reed Switch with Quick Disconnect

Quick Disconnect 2M Extension Cable

Quick Disconnect 5M Extension Cable

Item Number

810169

8EA-109-1

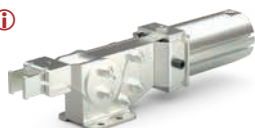
CABL-010

CABL-013

8021, 8071 Series

8021 ⓘ

8021-UE ⓘ



8071

8071-UE



Model	Maximum Holding Capacity		Max. Exerting Force @ 5bar [72PSI]		Accessories (Supplied)	
	Inner	Outer	Inner	Outer	Spindle Accessory	Flanged Washer
8021 ⓘ	[390 lbf] 1735 N	[255 lbf] 1135 N	[169 lbf] 760 N	[100 lbf] 449 N	--	8021122
8021-UE ⓘ						
8071	[450 lbf] 2000 N	[310 lbf] 1380 N	[496 lbf] 2218 N	[283 lbf] 1267 N	--	507107
8071-UE						

Replacement Seal Kit: 8021: 802450-32-1-00

8071: 810450-40-1-00

Sensor Accessories

Round Reed Switch with Quick Disconnect

T-slot Reed Switch with Quick Disconnect

Quick Disconnect 2M Extension Cable

Quick Disconnect 5M Extension Cable

Item Number

810169

8EA-109-1

CABL-010

CABL-013

ⓘ This item is available upon request.

817, 827, 868, 8031 SERIES

Pneumatic Toggle Clamps

817, 827 Series

817-U
817-UE



817-S
817-SE



827-U
827-UE



827-S
827-SE



Model	Max. Holding Capacity		Max. Exerting Force @ 5bar [72PSI]		Accessories (Supplied)		
	Inner	Outer	Inner	Outer	Spindle Accessory	Flanged Washers	Bolt Retainer
817-U	[375 lbf] 1670 N		[369 lbf] 1648 N		--	507107	--
817-UE		[200 lbf] 890 N		[225 lbf] 1005 N	225208-M		
817-S	[450 lbf] 2000 N		[360 lbf] 1608 N		--	--	207107
817-SE							
827-U	[600 lbf] 2670 N	[390 lbf] 1735 N		[309 lbf] 1383 N	--	235106	--
827-UE			[491 lbf] 2200 N		240208-M		
827-S	[700 lbf] 3110 N	[330 lbf] 1470 N		[281 lbf] 1257 N	--	--	210114
827-SE							

Replacement Seal Kit: 817: 802450-32-1-00, 827: 810450-40-1-00

Replacement Clamp Assembly: 817-U-LC, 817-S-LC, 827-U-LC, 827-S-LC

Replacement Cylinder Assembly: 817: 807CYL, 827: 810CYL

Sensor Accessories

Round Reed Switch with Quick Disconnect
T-slot Reed Switch with Quick Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
8EA-109-1
CABL-010
CABL-013

868 Series

868
868-E



Model	Max. Holding Capacity		Max. Exerting Force @ 5bar [72PSI]	
	Inner	Outer	Inner	Outer
868	[4000 lbf] 17800 N	[2400 lbf] 10675 N	[1704 lbf] 7637 N	[800 lbf] 3585 N
868-E				

Replacement Seal Kit: 850450-63-1-00
Replacement Clamp Assembly: 868-LC
Replacement Cylinder Assembly: 868CYL

Sensor Accessories

Round Reed Switch with Quick Disconnect
T-slot Reed Switch with Quick Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
8EA-109-1
CABL-010
CABL-013

8031 Series

8031 ⓘ



Model	Maximum Holding Capacity	Maximum Exerting Force @ 5bar [72PSI]
8031 ⓘ	[2000 lbf] 8900 N	[731 lbf] 3285 N

Sensor Accessories

Round Reed Switch with Quick Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
CABL-010
CABL-013

803, 830, 850, 800, 1200 SERIES

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Pneumatic Toggle Clamps

803 Series

803
803-ME



High temperature version
available upon request. Add **-HT**

Replacement Seal Kit: 802450-32-1-00
Replacement Clamp Assembly: 803-LC, 803-M-LC
Replacement Cylinder Assembly: 807CYL

Model	Max. Holding Capacity	Max. Exerting Force @ 5 bar [72PSI]
803	[600 lbf] 2670 N	[675 lbf] 3015 N
803-ME		

Sensor Accessories

Round Reed Switch with Qk Disconnect
T-slot Reed Switch with Qk Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
8EA-109-1
CABL-010
CABL-013

830 Series

830
830-ME



Replacement Seal Kit: 810450-40-1-00
Replacement Clamp Assembly: 830-LC, 830-M-LC
Replacement Cylinder Assembly: 810CYL

Model	Maximum Holding Capacity	Max. Exerting Force @ 5 bar [72PSI]
830	[2500 lbf] 11100 N	[800 lbf] 3582 N
830-ME		

Sensor Accessories

Round Reed Switch with Quick Disconnect
T-slot Reed Switch with Quick Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
8EA-109-1
CABL-010
CABL-013

850 Series

850 ⓘ
850-ME ⓘ



Replacement Seal Kit: 850450-63-1-00
Replacement Clamp Assembly: 850-LC, 850-M-LC
Replacement Cylinder Assembly: 868CYL

ⓘ This item is available upon request.

Model	Maximum Holding Capacity	Max. Exerting Force @ 5 bar [72PSI]
850 ⓘ	[16,000 lbf] 71200 N	[1232 lbf] 5522 N
850-ME ⓘ		

Sensor Accessories

Round Reed Switch with Quick Disconnect
T-slot Reed Switch with Quick Disconnect
Quick Disconnect 2M Extension Cable
Quick Disconnect 5M Extension Cable

Item Number

810169
8EA-109-1
CABL-010
CABL-013

8051, 8331 Series

Pneumatic Pull Action Latch Clamps

8051
8051-E

8051-H
8051-EH

8331
8331-E

8331-H
8331-EH



Model	Holding Capacity	Exerting Force @ 5,5 bar [80 PSI]
8051, -H	[600 lbf] 2669 N	[409 lbf] 1819 N
8051-E, -EH		
8331, -H	[450 lbf] 2002 N	[302 lbf] 1343 N
8331-E, -EH		

800, 1200 Series

Pneumatic Single-Action Hold Down Clamp

800

800-E

1200 ⓘ

1200-E ⓘ



Model	Exerting Force @ 4,8 bar [70 psi]
800	3560 N [800 lbf]
800-E	2225 N [500 lbf]
1200 ⓘ	5340 N [1200 lbf]
1200-E ⓘ	3450 N [775 lbf]

Repair Kits: 800-00, 1200-00

ⓘ This item is available upon request

8800 Series



8822



8832/
8832G



8840/
8840G



8850/
8850G



Model	Clamping Force at 5.5 bar [80 psi]	Seal Kit	Standard Mount Kits	Side Mount Kits
8822	[27 lbs] 120 N	882200	882262	882260
8832/ 8832G	[52 lbs] 231 N	883200	883262	883260
8840/ 8840G	[102 lbs] 454 N	884000	884062	884060
8850/ 8850G	[138 lbs] 614 N	885000	885062	885060

† at 5bar [72psi].

Note: Switches are optional. To order with (2) 8EA-109-1 switches, add **A** to the end of the model. Ex. 89R32-010-2**A**



8700 Series



8725



8732
8732G



8740
8740G



8750
8750G



Model	Clamping Force† N [lbf.]	Seal Kit	Mounting Flanges
8725	195 [43]	872500	872550
8732 8732G	285 [64]	873200	873250
8740 8740G	470 [106]	874000	874050
8750 8750G	745 [167]	875000	875050

† at 5bar [72psi].



9500 SERIES

Pneumatic Swing Clamps

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9500 Series

9522-2



9530-2



9540-2



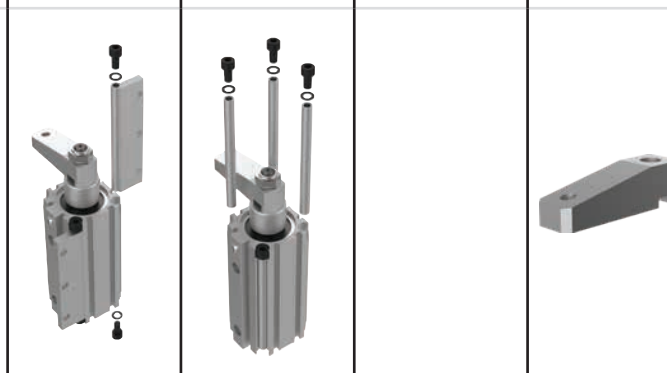
9550-2



Shown with optional clamping arm.

Model	Swing Direction	Clamping Force† [lbf]N	Ports	Replacement Seal Kit	Side Flange Kit	Tapped Hole Kit	Standard Mount Kit	Clamp Arm
9522-2L	LH	[34] 150	M5	952292	952260	952261	952262	9522153
9522-2R	RH							9522150
9530-2L	LH	[76] 340	1/8NPT	953092	954060	954061	953062	9540150
9530-2GL			G-1/8					
9530-2R	RH		1/8NPT					
9530-2GR			G-1/8					
9540-2L	LH	[123] 550	1/8NPT	954092	954060	954061	953062	9540153
9540-2GL			G-1/8					
9540-2R	RH		1/8NPT					
9540-2GR			G-1/8					
9550-2L	LH	[196] 870	1/8NPT	955092	955060	955061	953062	9550150
9550-2GL			G-1/8					9550153
9550-2R	RH		1/8NPT					9550150
9550-2GR			G-1/8					9550153

† with standard clamping arm @ 5bar [72psi].

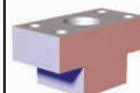


89R Series



Model	Swing Direction*	Clamping Force† [lbf]N	Replacement Seal Kit	Clamp Arm	Body Mount Flanges	Clamp Arm Adapter	Mounting Feet	End Mount Flanges
89R20-010-2	LH, RH	[18] 80	89R20-00	8JG-215-1	8MA-092-1	8MA-084-1	8MW-018-1	8MA-061-1
89R32-010-2	LH, RH, STRT	[55] 245	89R32-00	8JG-217-1	8MA-094-1	8MA-086-1	8MW-020-1	8MA-063-1
89R40-010-2		[85] 380	89R40-00	8JG-218-1	8MA-095-1	8MA-087-1	8MW-021-1	8MA-064-1
89R40-025-2		[138] 614	89R50-00	8JG-219-1	8MA-096-1	8MA-088-1	8MW-022-1	8MA-065-1
89R50-025-2		[218] 970	89R63-00	8JG-220-1	--	8MA-089-1	8MW-023-1	8MA-066-1
89R63-025-2								

*Swing direction is field adjustable
†with standard clamping arm @ 5bar [72psi].
Note: Switches are optional. To order with (2) 8EA-109-1 switches, add **A** to the end of the model.
Ex. 89R32-010-2**A**



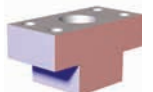
89B Series



Model	Swing Direction	Clamping Force [lbf.]N†	Replacement Seal Kit	Clamp Arm	Clamp Arm Adapter
89B20-010-2R	RH	[29] 130	89B/E20-2-00	8JG-215-1	8MA-084-1
89B20-010-2L	LH				
89B32-010-2R	RH	[79] 350	89B/E32-2-00	8JG-217-1	8MA-086-1
89B32-010-2L	LH				
89B40-010-2R	RH	[130] 580	89B/E40-2-00	8JG-218-1	8MA-087-1
89B40-010-2L	LH				
89B50-025-2R	RH	[225] 1000	89B/E50-2-00	8JG-219-1	8MA-088-1
89B50-025-2L	LH				
89B63-008-2R	RH	[321] 1430	89B/E63-2-00	8JG-220-1	8MA-089-1
89B63-008-2L	LH				

†with standard clamping arm at 6bar [87psi].

Note: Switches are optional. To order clamp with (2) 8EA-109-1 switches, add **A** to the end of the model. EX. 89B30-010-2**A**.



8100, 8300, 89E SERIES

Pneumatic Swing Clamps

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8100, 8300 Series



Model	Swing Direction	Clamping Force [lbf.]N†	Replacement Seal Kit	Clamp Arm	Clamp Arm Adapter
8115	RH	[25] 110	801560	801528	801532
8116	LH			801529	
8315	RH	[89] 400	821560	821512	821556
8316	LH			821513	

† with standard clamping arm at 5bar [72psi].

Note: To order without clamping arm, add -LA to the end of the model number. EX. 8115-**LA**.

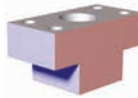
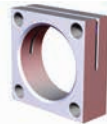



89E Series



Model	Swing Direction	Clamping Force [lbf.]N†	Replacement Seal Kit	Clamp Arm	Clamp Arm Adapter	Mounting Flanges
89E20-010-2R	RH	[29] 130	89E/E20-2-00	8JG-215-1	8MA-084-1	8MA-219-1
89E20-010-2L	LH					
89E32-010-2R	RH	[79] 350	89E/E32-2-00	8JG-217-1	8MA-086-1	8MA-220-1
89E32-010-2L	LH					
89E40-010-2R	RH	[130] 580	89E/E40-2-00	8JG-218-1	8MA-087-1	8MA-221-1
89E40-010-2L	LH					
89E50-025-2R	RH	[225] 1000	89E/E50-2-00	8JG-219-1	8MA-088-1	8MA-222-1
89E50-025-2L	LH					
89E63-008-2R	RH	[321] 1430	89E/E63-2-00	8JG-220-1	8MA-089-1	8MA-223-1
89E63-008-2L	LH					

† with standard clamping arm at 6bar [87psi]

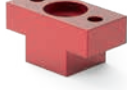
8000, 8200, 8400 Series



Model	Swing Direction	Clamping Force [lbf.]N†	Replacement Seal Kit	Clamp Arm	Clamp Arm Adapter	Mounting Flanges
8015	RH	[18] 80	801560	801528 801529	801532	801553
8016	LH					
8215	RH	[67] 300	821560	821512 821513	821556	821553
8216	LH					
8415	RH	[55] 245	841560	821513 841512	--	841550
8416	LH					

† with standard clamping arm at 6bar [87psi]

Note: To order without clamping arm, add -LA to the end of the model number. EX. 8015-**LA**.


035 Series



035-1



035-2



Model	Swing Direction	Clamping Force [lbf.] N†	Replacement Seal Kit	Clamp Arm	Mounting Flanges
035-125-190	RH	[20] 89	905516	036-551-01 036-551-02	051-150-160
035-125-290	LH				
035-132-190	RH	[30] 133	905517	036-630-01 036-630-02	051-187-160
035-132-290	LH				
035-140-190	RH	[60] 267	905518	036-630-01 036-630-02	051-225-160
035-140-290	LH				
035-150-190	RH	[69] 307	905519	036-787-01 036-787-02	051-250-160
035-150-290	LH				
035-225-190	RH	[20] 89	905516	036-551-01 036-551-02	--
035-225-290	LH				
035-232-190	RH	[30] 133	905517	036-630-01 036-630-02	--
035-232-290	LH				
035-240-190	RH	[60] 267	905518	036-630-01 036-630-02	--
035-240-290	LH				
035-250-190	RH	[69] 307	905519	036-787-01 036-787-02	--
035-250-290	LH				

† with standard clamping arm at 5bar [72psi].




PNEUMATIC SENSOR ACCESSORIES

for Pneumatic Swing and Toggle Clamps

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810169,
810173,
810174



8EA-109-1,
8EA-120-1,
810170,
810171



810156,
810158



Item Number	Mount Style	Connector	Length	Function	Voltage	Max. Switching Current	Voltage Drop
810169	Round	M8 male quick connect	165mm [6.5in.]	Reed	5-120V AC/DC	50mA	3.0V
810173				PNP	4.5-28V DC	100mA	0.5V
810174				NPN	4.5-28V DC	100mA	0.5V
8EA-109-1	T-slot	M8 male quick connect	300mm [11.8in.]	Reed	10-30V DC	100mA	3.0V
8EA-120-1		M12 male quick connect	300mm [11.8in.]	Reed	15-30 V AC/DC	500mA	1.5V
810170		M8 male quick connect	165mm [6.5in.]	PNP	10-30V DC	100mA	2.0V
810171				NPN	10-30V DC	100mA	2.0V
810156	Band Clamp			Reed	5-120V AC/DC	500mA	3.5V
810158				PNP	6-24V DC	500mA	1.0V



Item Number	Length
CABL-010	2 Meter [78in.]
CABL-013	5 Meter [16.4ft.]

6002-SW, 6004-SW

Manual Swing Clamps

6002-SW Series

Max. Holding Capacity: [400 lbf] 1780 N
(Straight pull. Does not account for clamp arm.)

 Color handle option available.
See pg. 6 for more info.



6002-SWL

Clamp Arm
Swing Left



6002-SWR

Clamp Arm
Swing Right



Shown in open (un-clamp) position.

Model	Swing Direction	Total Stroke [in] mm	Stroke During Rotation [in] mm	Stroke Straight Pull [in] mm	Weight [lb] Kg
6002-SWL	LH	[0.75] 19.1	[0.53] 13.5	[0.22] 5.6	[0.95] 0.43
6002-SWR	RH				

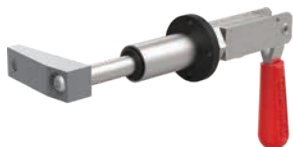
Applied Force (on handle)	[lbs] N	[25] 111	[20] 89	[15] 67	[10] 44
Plunger Pull Force (straight pull)		[360] 1601	[288] 1281	[216] 961	[144] 641
Clamp Force (with arm shown below)		[229] 1019	[189] 841	[149] 663	[108] 480

6004-SW Series

Max. Holding Capacity: [600 lbf] 2670 N
(Straight pull. Does not account for clamp arm.)

6004-SWL

Clamp Arm
Swing Left



6004-SWR

Clamp Arm
Swing Right



Shown in open (un-clamp) position.

Model	Swing Direction	Total Stroke [in] mm	Stroke During Rotation [in] mm	Stroke Straight Pull [in] mm	Weight [lb] Kg
6004-SWL	LH	[1.50] 38	[0.87] 22	[0.63] 16	[1.32] 0,6
6004-SWR	RH				

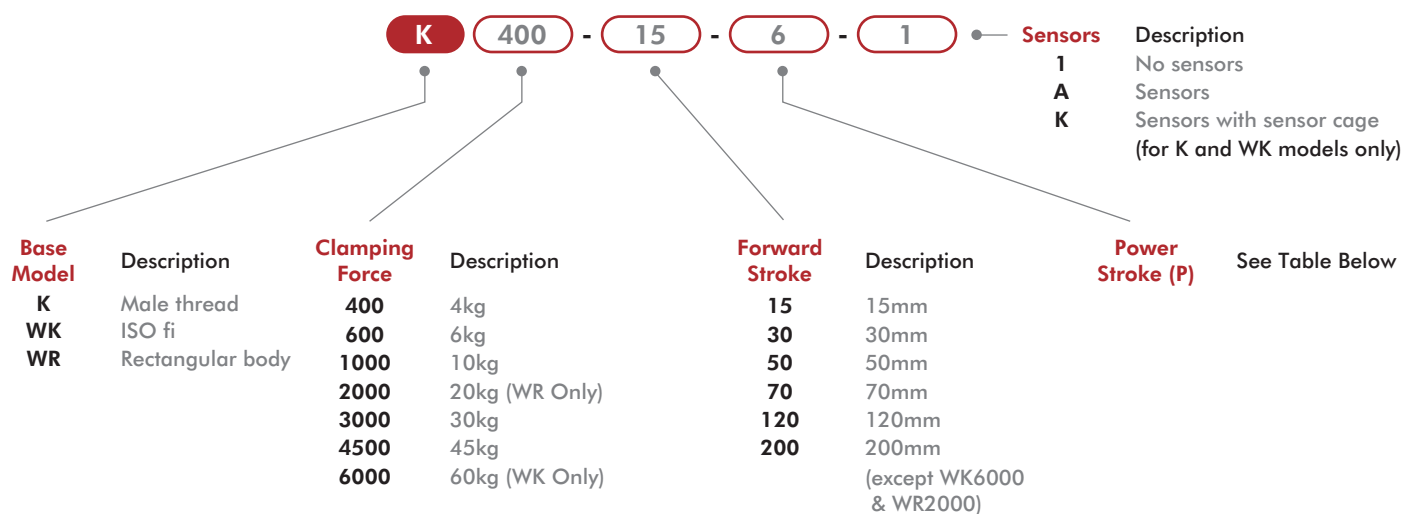
Applied Force (on handle)	[lbs] N	[40] 178	[30] 133	[20] 89	[10] 44
Plunger Pull Force (straight pull)		[576] 2562	[432] 1922	[288] 1281	[144] 641
Clamp Force (with arm shown below)		[323] 1437	[269] 1197	[189] 841	[108] 480

K, WK, WR SERIES

Pneumatic Power Cylinders

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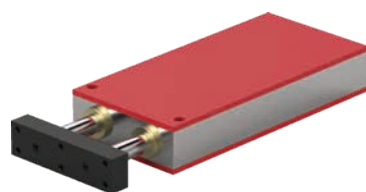


Model	Piston force within forward stroke at 6 bar kN [lbf]	Clamping force within power stroke at 6 bar kN [lbf]	(P) Power stroke mm [in]
K400	0,68 [153]	4 [900]	6 [0.24]
K600	1,06 [238]	6 [1350]	6 [0.24]
K1000	1,75 [393]	10 [2250]	7* [0.27]
K3000	3 [674]	30 [6700]	6* [0.24]
K4500	4,2 [944]	45 [10120]	6* [0.24]

*Power strokes up to 12mm and other forward strokes upon request.

Model	Piston force within forward stroke at 6 bar kN [lbf]	Clamping force within power stroke at 6 bar kN [lbf]	(P) Power stroke mm [in]
WK400	0,68 [153]	4 [900]	6 [0.24]
WK600	1,06 [238]	6 [1350]	6 [0.24]
WK1000	1,75 [393]	10 [2250]	7* [0.27]
WK3000	3 [674]	30 [6700]	6* [0.24]
WK4500	4,2 [944]	45 [10120]	6* [0.24]
WK6000	6,0 [1350]	60,0 [13490]	6* [0.24]

*Power strokes up to 12mm and other forward strokes upon request.



Model	Piston force within forward stroke at 6 bar kN [lbf]	Clamping force within power stroke at 6 bar [lbf] kN	Power stroke mm [in]
WR 2000	2 [450]	20 [4500]	7 [0.27]





Pneumatic Power Cylinders Type K and WK with end position control by magnetic field sensor

How to Order

Indicate "-A" at the end of Model instead of "-1" for standard model.

Example:

Standard Model Number: K400-15-6-1

Model with Sensors: K400-15-6-A

(Not available on WK6000)



Sensor cage for T-slot proximity sensor

How to Order

Indicate "-K" at the end of Model instead of "-A" for standard version.

Example:

K400-15-6-A change to K400-15-6-K

(Not available on WK6000)

81L

12-1

01

00

Size	Description	Arm Style	Description	Design	Description
12-1	12 mm Cylinder (M5 Port)	01	Clamping arm, horizontal	00	Standard design
16-1	16 mm Cylinder (M5 Port)	41	Clamping arm, vertical		
20-1	20 mm Cylinder (M5 Port)		See below for further details		
25-1	20 mm Cylinder (M5 Port)				

01

41

12

Max Holding Torque
25 Nm [18.4 ft-lb]
Max Clamping Torque
4,5 Nm [3.3 ft-lb]
at 5 bar [72 psi]

16

Max Holding Torque
60 Nm [44.3 ft-lb]
Max Clamping Torque
7 Nm [5.2 ft-lb]
at 5 bar [72 psi]

20

Max Holding Torque
100 Nm [73.8 ft-lb]
Max Clamping Torque
18 Nm [13.3 ft-lb]
at 5 bar [72 psi]

25

Max Holding Torque
100 Nm [73.8 ft-lb]
Max Clamping Torque
18 Nm [13.3 ft-lb]
at 5 bar [72 psi]

Accessories/Replacement Parts

Model	Seal Kits	Order No.	Description (order separately)
81L12-1....	81L12-1-00	8EA-109-1	Sensor, 3-wire cable, M8x1 connector, 3-pin
81L16-1....	81L16-1-00	82ZB-004-1	Adapter for mounting 81L20-1, 81L25-1 to 25mm dia. bar
81L20-1....	81L20-1-00		
81L25-1....	81L20-1-00		



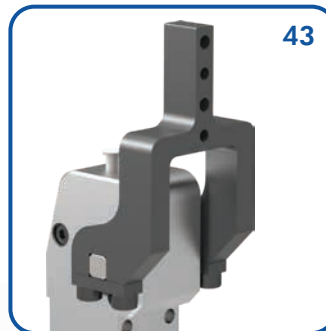
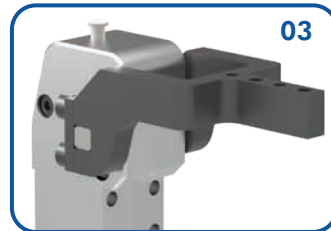
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82L

Enclosed Pneumatic Power Clamps | Miniature

82L**16-4****03****0**

Size	Description	Arm Style	Description	Opening Angle	Description
12-4	12 mm Cylinder (M5 Port)	00	No clamping arm	0	105° (Standard)
16-4	16 mm Cylinder (M5 Port)	03	U-bar, central 90°	3	90°
20-4	20 mm Cylinder (M5 Port)	43	U-bar, central 180°	4	75°
25-4	25 mm Cylinder (M5 Port)	See below for further details		5	60°



Model	Order No. for Arm
82L12-4...	8JG-401-1-01
82L16-4...	8JG-402-1-01
82L20-4...	8JG-403-1-01
82L25-4...	8JG-404-1-01

12	16	20	25
Max Holding Torque 35 Nm [25.8 ft-lb] Max Clamping Torque 90° version: 10,4 Nm [7.7 ft-lb] 180° version: 8,7 Nm [6.4 ft-lb] at 5 bar [72 psi]	Max Holding Torque 40 Nm [29.5 ft-lb] Max Clamping Torque 12,4 Nm [9.1 ft-lb] 11 Nm [8.1 ft-lb] at 5 bar [72 psi]	Max Holding Torque 50 Nm [36.9 ft-lb] Max Clamping Torque 21 Nm [15.5 ft-lb] 19,3 Nm [14.2 ft-lb] at 5 bar [72 psi]	Max Holding Torque 80 Nm [59.0 ft-lb] Max Clamping Torque 31,8 Nm [23.4 ft-lb] 28,5 Nm [21.0 ft-lb] at 5 bar [72 psi]

Accessories

Order No.	Description (order separately)
8EA-109-1	Sensor, 3-wire cable, M8x1 connector, 3-pin
82ZB-004-1	Adapter for mounting 82L20-4, 82L25-4 to 25mm dia. bar

82L-3E

Enclosed Pneumatic Power Clamps | Lightweight Modular

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82L-3E 23 H0 40 B7

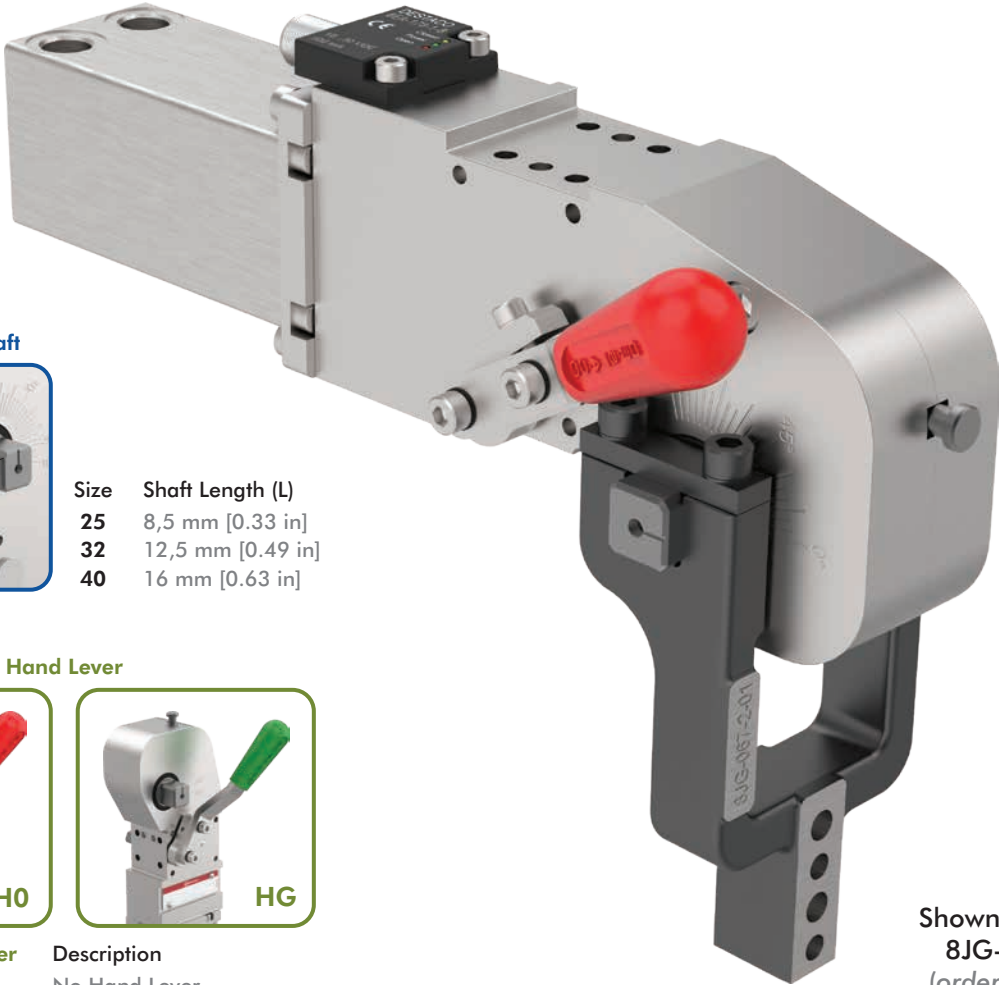
Clamp Arm Shaft
23
Description
for Arms
See below for further details

Hand Lever
00 No Hand lever
H0 Red Hand lever
HG Green Hand lever
See below for further details

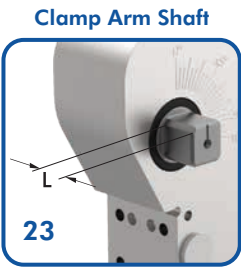


Cylinder (Standard)

- 25** 25 mm Cylinder (G1/8 Port)
- 2N** 25 mm Cylinder (1/8-18 NPT Port)
- 32** 32 mm Cylinder (G1/8 Port)
- 3N** 32 mm Cylinder (1/8-18 NPT Port)
- 40** 40 mm Cylinder (G1/4 Port)
- 4N** 40 mm Cylinder (1/4-18 NPT Port)



Shown with U-Arm
8JG-067-2-01
(order separately)



Size	Shaft Length (L)
25	8,5 mm [0.33 in]
32	12,5 mm [0.49 in]
40	16 mm [0.63 in]

Hand Lever



Hand Lever	Description
00	No Hand Lever
H0	Red Hand Lever
HG	Green Hand Lever



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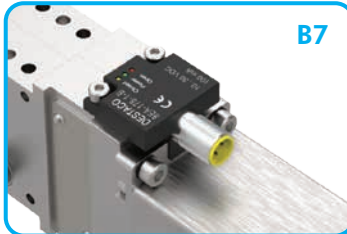
82L-3E

Enclosed Pneumatic Power Clamps | Lightweight Modular

Sensor	Description
00	Without Sensing System
C8	Inductive Sensing System with In-Line M8x1 Connector (Size 25: 8EA-174-1-B, Size 32/40: 8EA-177-1-B)
B7	Inductive Sensing System with In-Line M12x1 Connector (Size 25: 8EA-175-1-B, Size 32/40: 8EA-178-1-B)
B8	Inductive Sensing System with M12x1 Connector with Cable (Size 25: 8EA-176-1-B, Size 32/40: 8EA-179-1-B)



C8



B7



B8



25/N

Max Holding Torque
75 Nm [55 ft-lb]
Max Clamping Torque
25 Nm [18 ft-lb]
at 5 bar [72 psi]

32/N

Max Holding Torque
180 Nm [133 ft-lb]
Max Clamping Torque
55 Nm [41 ft-lb]
at 5 bar [72 psi]

40/N

Max Holding Torque
380 Nm [280 ft-lb]
Max Clamping Torque
120 Nm [89 ft-lb]
at 5 bar [72 psi]

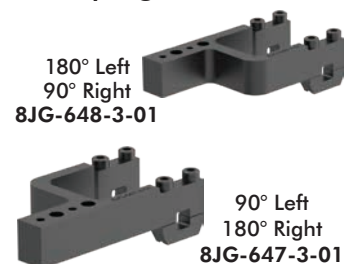
82L-3E ACCESSORIES

Enclosed Pneumatic Power Clamps | Lightweight Modular

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U-Type Offse Clamping Arms



Model	Order No. (1 clamp arm)
82L-3E....2.	8JG-647-3-01
82L-3E....2.	8JG-648-3-01

U-Type Central Clamping Arms



Model	Order No. (1 clamp arm)
82L-3E....2.	8JG-075-3-01
82L-3E....3.	8JG-065-2-01
82L-3E....4.	8JG-067-2-01

H- Clamping Arms



Model	Order No. (1 clamp arm)
82L-3E....3.	8JG-363-1-01
82L-3E....4.	8JG-364-1-01

Lateral Clamping Arms



Model	Order No. (1 clamp arm)
82L-3E....3.	8JG-066-1-01
82L-3E....4.	8JG-068-1-01

Counter-Support



Order No.	Fit for Model
BK-R25-82L25-1	82L-3E....2.
BK-R25-82L32-1	82L-3E....3.
BK-R25-82L40-1	82L-3E....4.

Hold Open Device



Clamping posi-
tion

Open position locked

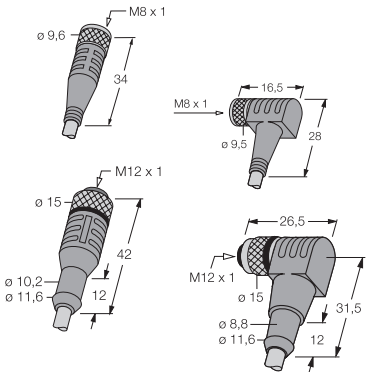
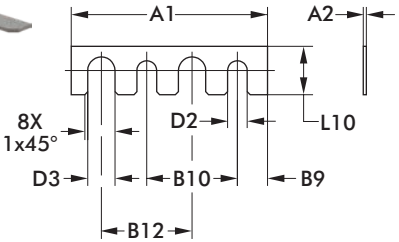
Order No.	Fit for Model
82ZB-036-1	82L-3E....2.
82ZB-037-1	82L-3E....3.
82ZB-038-1	82L-3E....4.



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82L-3E ACCESSORIES

Enclosed Pneumatic Power Clamps | Lightweight Modular

Clamping Arms		Order No. for Set 82L-3E23..2...	Order No. for Set 82L-3E23..3...	Order No. for Set 82L-3E23..4...						
U-Offset 90° Left/ 80° Right		8JG-647-3-01	--	--						
U-Offset 80° Left/90° Right		8JG-648-3-01	--	--						
U-central		8JG-075-3-01	8JG-065-2-01	8JG-067-2-01						
Lateral		--	8JG-066-1-01	8JG-068-1-01						
H-Shape		--	8JG-363-1-01	8JG-364-1-01						
Sensor Cables (1 Connector Socket & 5 m [16.4 ft] cable)										
Connector Socket M8x1 Straight 4-pin		8EL-009-1	8EL-009-1	8EL-009-1						
Connector Socket M8x1 Angular 4-pin		8EL-007-1	8EL-007-1	8EL-007-1						
Connector Socket M12x1 Straight 5-pin		8EL-002-1	8EL-002-1	8EL-002-1						
Connector Socket M12x1 Angular 4-pin		8EL-003-1	8EL-003-1	8EL-003-1						
Shim for Clamping Arm		Order No.	A1	A2	D2	D3	B9	B10	B12	L10
		82ZB-SH4001	[1.65] 42	[0.004] 0,1						
		82ZB-SH4002		[0.008] 0,2						
		82ZB-SH4005		[0.02] 0,5	[0.26] 6,5	[0.28] 7	[0.24] 6	[0.79] 20	[0.79] 20	[0.46] 11,8
		82ZB-SH4010		[0.04] 1,0						
		82ZB-SH4020		[0.08] 2,0						
		82ZB-SH4050		[0.20] 5,0						
Spare Parts		Order No. for Set		Order No. for Set		Order No. for Set				
		82L-3E23..25..	82L-3E23..2N..	82L-3E23..32..	82L-3E23..3N..	82L-3E23..40..	82L-3E23..4N..			
Cylinder		82L-3E000025	82L-3E00002N	82L-3E000032	82L-3E00003N	82L-3E000040	82L-3E00004N			
Sensor Kit										
C8 Connector Plug, with In-Line M8x1		8EA-174-1-B		8EA-177-1-B						
B7 Connector Plug, with In-Line M12x1		8EA-175-1-B		8EA-178-1-B						
B8 Connector Plug, M12x1 with Cable		8EA-176-1-B		8EA-179-1-B						
Spare Parts		Order No. for Set		Order No. for Set		Order No. for Set				
		82L-3E23H02...	82L-3E23HG2...	82L-3E23H03...	82L-3E23HG3...	82L-3E23H04...	82L-3E23HG4...			
Hand Lever		8KB-031-1	8KB-091-1	8KB-031-1	8KB-091-1	8KB-032-1	8KB-092-1			

82M-3

Enclosed Pneumatic Power Clamps | Heavy-Duty Modular

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82M-3

E

23

H0

50

L8

Mounting	Description
E	Euro Mounting
B	Common Front Mount for Size 40 only (same mount pattern as size 50 & 63)
N	NAAMS Side Mounting for Size 40 & 63 only

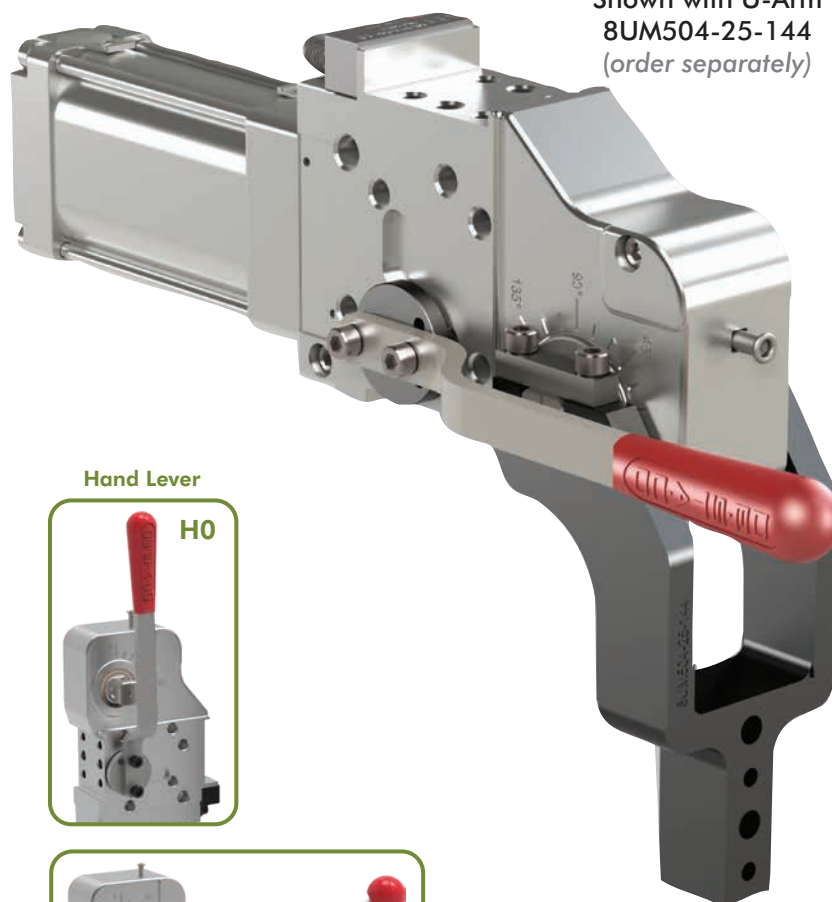
Clamp Arm Shaft	Description
03	for U-Arms
13	for U-Arms (required for 40 NAAMS N only)
23	for Lateral Arms
D0	for Lateral Arms (size 63 NAAMS N only)

Handle	Description
00	No Hand lever
H0	Hand Lever
HS	Weldable

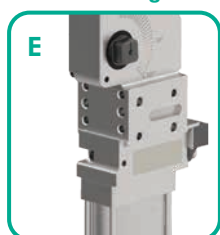
See below for further details

See below for further details

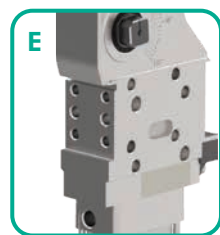
Shown with U-Arm
8UM504-25-144
(order separately)



Mounting



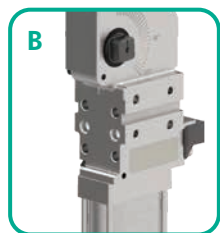
Size 40



Size 50



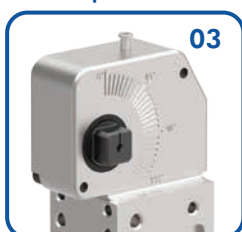
Size 63



Size 40 Only



Clamp Arm Shaft



Size	Shaft Length (L17)
40	9 mm [0.35 in]
50	12 mm [0.47 in]
63	12 mm [0.47 in]



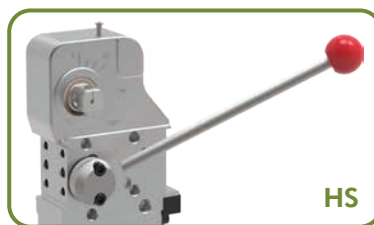
Size	Shaft Length
40	9 mm [0.35 in]



Size	Shaft Length (L17)
40	16 mm [0.63 in]
50	21 mm [0.83 in]
63	21 mm [0.83 in]
80	32 mm [1.26 in]

Size	Shaft Length (L17)
63	26 mm [1.02 in]

Hand Lever



Hand Lever	Description
00	No Hand Lever
H0	Standard Hand Lever (not compatible with cylinder options *A, *B)
HS	Weldable Hand Lever (not compatible with cylinder options *A, *B)

Replacement Hand Levers	Order No.
Standard	
82M-3E..H040..	8KB-097-1
82M-3E..H05...	8KB-098-1
82M-3E..H06..	8KB-099-1
82M-3E..H08..	8KB-100-1
Weldable	
82M-3E..HS40..	8KB-101-1
82M-3E..HS5...	8KB-102-1
82M-3E..HS6..	8KB-103-1
82M-3E..HS8..	8KB-104-1



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82M-3

Enclosed Pneumatic Power Clamps | Heavy-Duty Modular

Sensor	Description
00	Without Sensing System
L8	PNP Sensor with In-line M12x1 Connector (8EA-146-4-B)
N8	NPN Sensor with In-line M12x1 Connector (8EA-154-4-B)
L9	PNP Sensor with 90° M12x1 Connector (8EA-147-4-B)
N9	NPN Sensor with 90° M12x1 Connector (8EA-155-4-B)
K8	PNP Sensor with M12x1 Cable Connector (8EA-158-4-B)
K9	NPN Sensor with M12x1 Cable Connector (8EA-167-4-B)

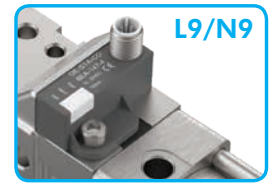
See page 29 for replacement sensor kits and components.

Sensor Cables Order separately

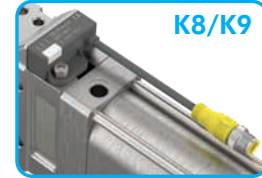
Order No.	Description
8EL-002-1	M12x1, Straight, 5-pin Connector with 5 m [16 ft] Cable
8EL-003-1	M12x1, Angular, 4-pin Connector with 5 m [16 ft] Cable



L8/N8



L9/N9



K8/K9



Cylinder - Standard

40	40 mm Cylinder (G1/8 Port)
50	50 mm Cylinder (G1/4 Port)
5N	50 mm Cylinder (1/4-18 NPT Port)
63	63 mm Cylinder (G1/4 Port)
6N	63 mm Cylinder (1/4-18 NPT Port)
80	80 mm Cylinder (G1/4 Port)
8N	80 mm Cylinder (1/4-18 NPT Port)



Cylinder with Internal Hold Open Device

4A	40 mm Cylinder (G1/8 Port)
5A	50 mm Cylinder (G1/4 Port)
5B	50 mm Cylinder (1/4-18 NPT Port)
6A	63 mm Cylinder (G1/4 Port)
6B	63 mm Cylinder (1/4-18 NPT Port)
8A	80 mm Cylinder (G1/4 Port)
8B	80 mm Cylinder (1/4-18 NPT Port)

Locking Device for Hand Lever



Order No.	For Model
82ZB-162-1	82M-3E..H040..
82ZB-084-1	82M-3E..H05...
82ZB-039-1	82M-3E..H06...

Anti-Ramming Device



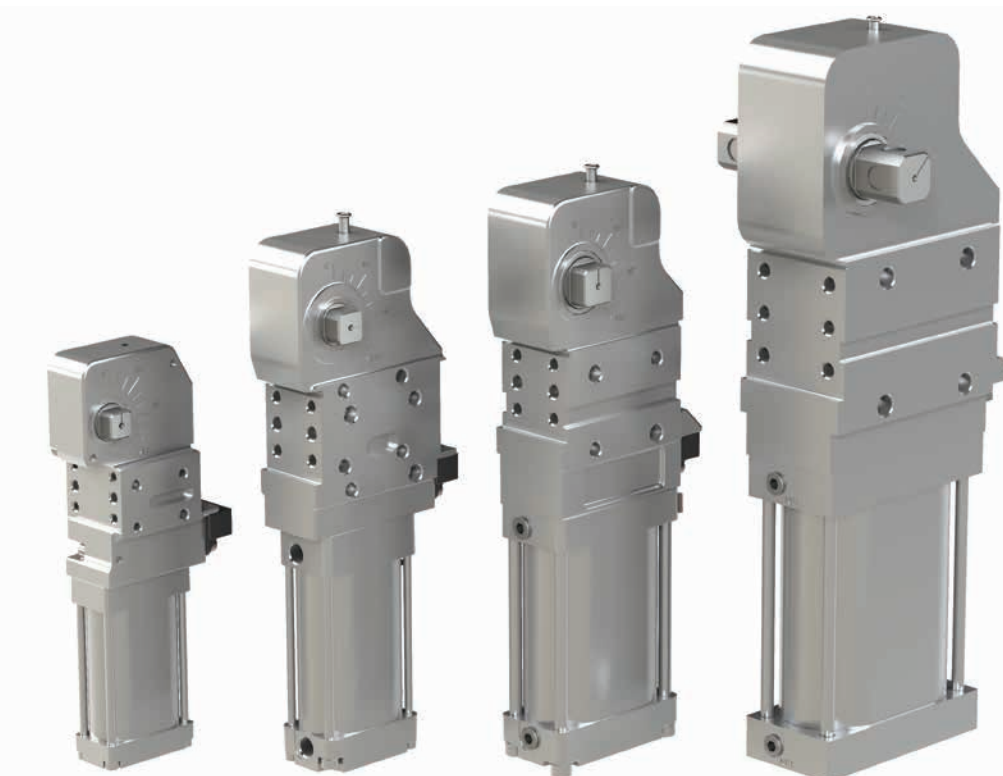
Order No.	For Model
8AB-151-1	82M-3E....40..
8AB-152-1	82M-3E....5...
8AB-153-1	82M-3E....6...
8AB-154-1	82M-3E....8...

For models 82M-3E.....00
and 82M-3E.....L8 only.

Counter Support



Order No.	For Model
82ZB-190-1	82M-3N13..40..



40

Max Holding Torque
380 Nm [280 ft-lb]
Max Clamping Torque
120 Nm [89 ft-lb]
at 5 bar [72 psi]

50

Max Holding Torque
1300 Nm [959 ft-lb]
Max Clamping Torque
270 Nm [199 ft-lb]
at 5 bar [72 psi]

63

Max Holding Torque
1800 Nm [1328 ft-lb]
Max Clamping Torque
420 Nm [310 ft-lb]
at 5 bar [72 psi]

80

Max Holding Torque
3000 Nm [2213 ft-lb]
Max Clamping Torque
850 Nm [627 ft-lb]
at 5 bar [72 psi]

TCC-2

Enclosed Pneumatic Power Clamps | Heavy-Duty, Tolerance Compensation

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TCC-2

E

03

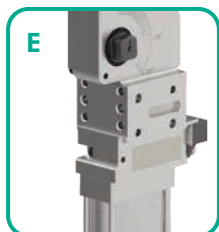
00

6A

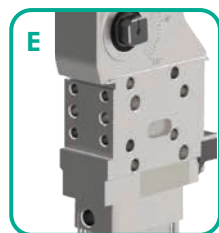
L8

Mounting	Description	Clamp Arm Shaft	Description	Handle	Description
E	Euro Mounting	03	for U-Arms	00	No Hand lever
B	Common Front Mount for Size 40 only (same mount pattern as size 50 & 63)	23	for Lateral Arms		
N	NAAMS Side Mounting for Size 63 only	See below for further details			

Mounting



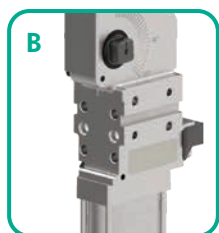
Size 40



Size 50



Size 63



Size 40 Only



Size 63 Only

Clamp Arm Shaft



Size	Shaft Length (L17)
40	9 mm [0.35 in]
50	12 mm [0.47 in]
63	12 mm [0.47 in]

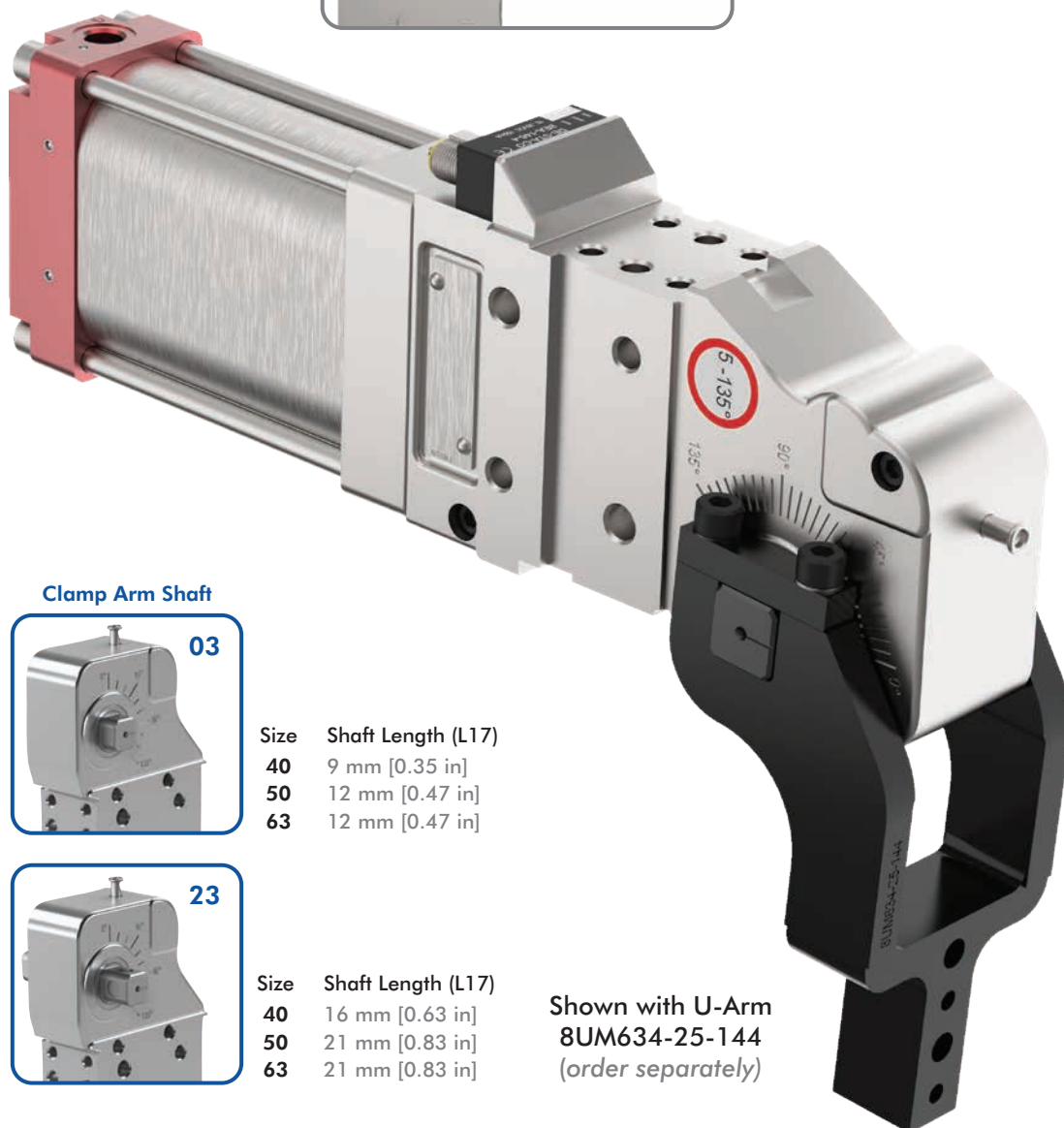


Size	Shaft Length (L17)
40	16 mm [0.63 in]
50	21 mm [0.83 in]
63	21 mm [0.83 in]



Tolerance
compensation
for variable part
thicknesses

- Tolerance compensation for variable sheet metal thicknesses within three degrees of arm movement
- There is no need for shimming



Shown with U-Arm
8UM634-25-144
(order separately)



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TCC-2

Enclosed Pneumatic Power Clamps | Heavy-Duty, Tolerance Compensation

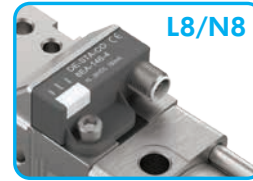
Sensor	Description
00	Without Sensing System
L8*	PNP Sensor with In-line M12x1 Connector (8EA-146-4-B)
N8*	NPN Sensor with In-line M12x1 Connector (8EA-154-4-B)
L9	PNP Sensor with 90° M12x1 Connector (8EA-147-4-B)
N9	NPN Sensor with 90° M12x1 Connector (8EA-155-4-B)
K8	PNP Sensor with M12x1 Cable Connector (8EA-158-4-B)
K9	NPN Sensor with M12x1 Cable Connector (8EA-167-4-B)

*Not available for use with 4V, 5V, 6V cylinder option.

See page 29 for replacement sensor kits and components.

Sensor Cables Order separately

Order No.	Description
8EL-002-1	M12x1, Straight, 5-pin Connector with 5 m [16 ft] Cable
8EL-003-1	M12x1, Angular, 4-pin Connector with 5 m [16 ft] Cable



Cylinder (Standard)

- 40** 40 mm Cylinder (G1/8 Port)
- 50** 50 mm Cylinder (G1/4 Port)
- 5N** 50 mm Cylinder (1/4-18 NPT Port)
- 63** 63 mm Cylinder (G1/4 Port)
- 6N** 63 mm Cylinder (1/4-18 NPT Port)



Cylinder with Unlockable Return Valve

- 4C** 40 mm Cylinder (G1/8 Port)
- 5C** 50 mm Cylinder (G1/4 Port)
- 5D** 50 mm Cylinder (1/4-18 NPT Port)
- 6C** 63 mm Cylinder (G1/4 Port)
- 6D** 63 mm Cylinder (1/4-18 NPT Port)



Cylinder with Internal Hold Open Device

- 4A** 40 mm Cylinder (G1/8 Port)
- 5A** 50 mm Cylinder (G1/4 Port)
- 5B** 50 mm Cylinder (1/4-18 NPT Port)
- 6A** 63 mm Cylinder (G1/4 Port)
- 6B** 63 mm Cylinder (1/4-18 NPT Port)



Cylinder with Piston Rod Locking Device

- 4V** 40 mm Cylinder (G1/8 Port)
- 5V** 50 mm Cylinder (G1/4 Port)
- 6V** 63 mm Cylinder (G1/4 Port)



40

Max Holding/
Clamping Torque
85 Nm [62.7 ft-lb]
at 5 bar [72 psi]

50

Max Holding/
Clamping Torque
175 Nm [129 ft-lb]
at 5 bar [72 psi]

63

Max Holding/
Clamping Torque
295 Nm [217.6 ft-lb]
at 5 bar [72 psi]

52H-3

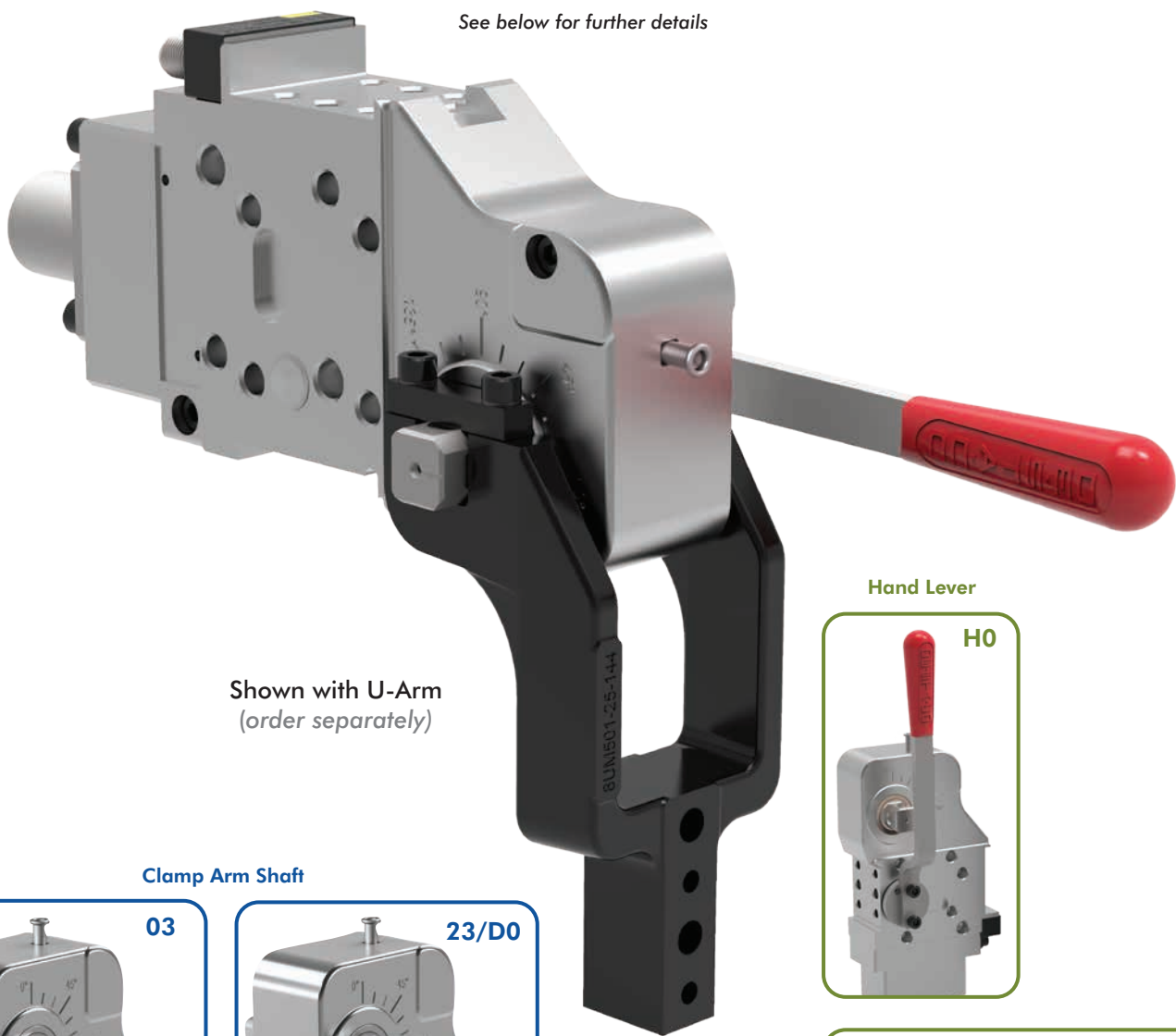
Enclosed Modular Manual Power Clamps | Heavy-Duty

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Mounting	Description	Clamp Arm Shaft	Description	Handle	Description
E	Euro Mounting	03	for U-Arms	H0	Hand lever
N	NAAMS (Size 63 only)	23	for Lateral Arms	HS	Hand Lever (Weldable)
		D0	for Lateral Arms (size 63 only)		

See below for further details



Shown with U-Arm
(order separately)

Clamp Arm Shaft



03



23/D0

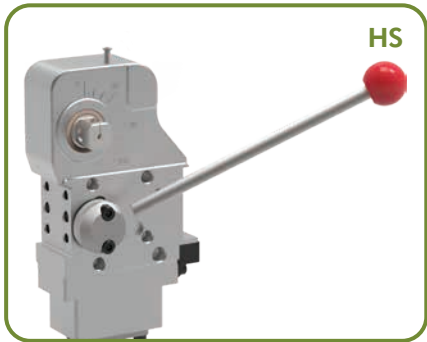
Size	Shaft Length (L17)
50	12 mm [0.47 in]
63	12 mm [0.47 in]

Size	Shaft Length (L17)
50	21 mm [0.83 in]
63	21 mm [0.83 in]

Size	Shaft Length (L17)
D0	26 mm [1.02 in]



H0



HS



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52H-3

Enclosed Modular Manual Power Clamps | Heavy-Duty

Sensor	Description
00	Without Sensing System
L8	PNP Sensor with In-line M12x1 Connector (8EA-146-4-B)
N8	NPN Sensor with In-line M12x1 Connector (8EA-154-4-B)
L9	PNP Sensor with 90° M12x1 Connector (8EA-147-4-B)
N9	NPN Sensor with 90° M12x1 Connector (8EA-155-4-B)
K8	PNP Sensor with M12x1 Cable Connector (8EA-158-4-B)
K9	NPN Sensor with M12x1 Cable Connector (8EA-167-4-B)

See page 29 for replacement sensor kits and components.

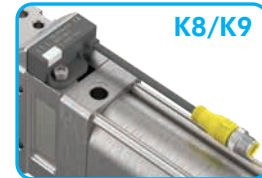
Order No.	Description
8EL-002-1	M12x1, Straight, 5-pin Connector with 5 m [16 ft] Cable
8EL-003-1	M12x1, Angular, 4-pin Connector with 5 m [16 ft] Cable



L8/N8



L9/N9



K8/K9

Size	Description
50	Size 50 mm
63	Size 63 mm



52H-3E..H.50/63
Modular manual
clamp, interchangeable
with 82M-3E...50/63



50

Max Holding Torque
1300 Nm [959 ft-lb]



63

Max Holding Torque
1800 Nm [1328 ft-lb]

Spare parts

Replacement	for Model	Order No.
Hand lever set	52H-3E...50	8KB-098-1
	52H-3E...63	8KB-099-1
Hand lever set (weldable)	52H-3E...50	8KB-102-1
	52H-3E...63	8KB-103-1

82M-3, 52H-3 CLAMP ARMS

Enclosed Modular Manual and Power Clamps

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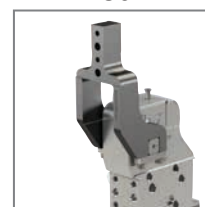


U-Arms Center (Aluminum)

Fits 82M-3E....40..	Max. Opening		Fits 82M-3....5... and 52H-3E....5...	Max. Opening		Fits 82M-3....8...	Max. Opening	
	for 90°	for 180°		for 90°	for 180°		for 90°	for 180°
8UM404-00-117		105°	8UM504-15-144		105°	8JG-169-2-01*		105°
8UM404-15-117	135°	120°	8UM504-25-144	135°	120°	8UM801-45-204*	135°	135°
8UM404-25-117		135°	8UM504-45-144		135°			
8UM404-45-107	130°							



180°



Fits 82M-3N13...40..	Max. Opening		Fits 82M-3....6... and 52H-3E....6...	Max. Opening	
	for 90°	for 180°		for 90°	for 180°
8UM408-00-117*		105°	8UM634-15-144		105°
8UM408-15-117*	135°	120°	8UM634-25-144	135°	120°
8UM408-25-117*		135°	8UM634-45-144		135°
8UM408-45-117*	130°		8UM631-75-204*		

* only steel version available.

U-Arms Offset (Aluminum)

(•) = L for Left, R for Right

Fits 82M-3E....40..	Max. Opening		Fits 82M-3....5... and 52H-3E....5...	Max. Opening	
	for 90°	for 180°		for 90°	for 180°
8U(•)404-00-117		105°	8U(•)504-15-144		105°
8U(•)404-15-117	135°	120°	8U(•)504-25-144	135°	120°
8U(•)404-25-117		135°	8U(•)504-45-144		135°
8U(•)404-45-107	130°				

90° Left



8UL...
8JG-170-2-01

90° Right



8UR...
8JG-171-2-01

Fits 82M-3....6... and 52H-3E....6...	Max. Opening		Fits 82M-3....8... 20mm Offset	Max. Opening	
	for 90°	for 180°		for 90°	for 180°
8U(•)634-15-144		105°	8JG-17(•)-2-01*	135°	105°
8U(•)634-25-144	135°	120°	(•) = 0 for Left, 1 for Right		
8U(•)634-45-144		135°			
8U(•)631-75-204*					

* only steel version available.

Fits 82M-3....8... 45mm Offset	Max. Opening	
	for 90°	for 180°
8U(•)801-45-204*	135°	135°
(•) = L for Left, R for Right		

180° Left



8UR...
8JG-171-2-01

180° Right



8UL...
8JG-170-2-01

Note: 180° left uses same clamp arm as 90° right.
180° right uses same clamp arm as 90° left.

Lateral (Steel)

Fits 82M-3E....40..	Max. Opening		Fits 82M-3....5... and 52H-3E....5...	Max. Opening	
	for 90°	for 180°		for 90°	for 180°
8S401-15-117	135°	120°	8JG-070-1-01	135°	135°
			8S501-25-144		

Fits 82M-3....6... and 52H-3E....6...	Max. Opening		Fits 82M-3....8...	Max. Opening	
	for 90°	for 180°		for 90°	for 180°
8JG-080-1-01			8JG-1179-1-01	135°	135°
8S631-25-144	135°	135°	8S801-45-204		
8S631-45-144					
8S631-75-204					

90° Left



90° Right



180° Left



180° Right



Models with 2 lateral clamp arms requires 2 clamp arm sets.



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82M-3, 52H-3 CLAMP ARMS

Enclosed Modular Manual and Power Clamps

Lateral Arms (NAAMS-Style) for 82M-3E and 52H-3E 50mm

9mm Thru Hole (6.00 H7 Dowel)

90mm [3.54"] Arm Length

Series	Arm Style	Model
50 Offse	▲ • 3256	B8JG-3256-1
25 Offse	▲ • 3246	B8JG-3246-1
0 Offse	▲ • 3236	B8JG-3236-1

120mm [4.72"] Arm Length

Series	Arm Style	Model
50 Offse	▲ • 3257	B8JG-3257-1
25 Offse	▲ • 3247	B8JG-3247-1
0 Offse	▲ • 3237	B8JG-3237-1

150mm [5.90"] Arm Length

Series	Arm Style	Model
50 Offse	▲ • 3258	B8JG-3258-1
25 Offse	▲ • 3248	B8JG-3248-1
0 Offse	▲ • 3238	B8JG-3238-1

11mm Thru Hole (8.00 F7 Dowel)

90mm [3.54"] Arm Length

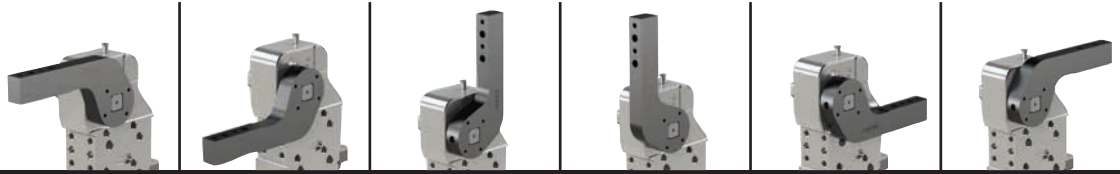
Series	Arm Style	Model
50 Offse	▲ • 1226	B8JG-1226-1
25 Offse	▲ • 1216	B8JG-1216-1
0 Offse	▲ • 1206	B8JG-1206-1

120mm [4.72"] Arm Length

Series	Arm Style	Model
50 Offse	▲ • 1227	B8JG-1227-1
25 Offse	▲ • 1217	B8JG-1217-1
0 Offse	▲ • 1207	B8JG-1207-1

150mm [5.90"] Arm Length

Series	Arm Style	Model
50 Offse	▲ • 1228	B8JG-1228-1
25 Offse	▲ • 1218	B8JG-1218-1
0 Offse	▲ • 1208	B8JG-1208-1



Arm Styles	Maximum Opening Angle (shown in locked position)					
1206-1208/3236-3238	135°	135°	100°	100°	N/A	N/A
1216-1218/3246-3248	135°	N/A	50°	125°	N/A	30°
1226-1228/3256-3258	125°	N/A	35°	135°	N/A	50°

Lateral Arms (NAAMS-Style) for 82M-3. and 52H-3E 63mm for 23 Clamp Arm Shaft Option

9mm Thru Hole (6.00 H7 Dowel)

135mm [5.31"] Arm Length

Series	Arm Style	Model
120 Offse	▲ 1543	B8JG-1543-1
70 Offse	▲ 1531	B8JG-1531-1
25 Offse	▲ 1519	B8JG-1519-1
0 Offse	▲ 1507	B8JG-1507-1

165mm [6.50"] Arm Length

Series	Arm Style	Model
120 Offse	▲ 1544	B8JG-1544-1
70 Offse	▲ 1532	B8JG-1532-1
25 Offse	▲ 1520	B8JG-1520-1
0 Offse	▲ 1508	B8JG-1508-1

195mm [7.68"] Arm Length

Series	Arm Style	Model
120 Offse	▲ 1545	B8JG-1545-1
70 Offse	▲ 1533	B8JG-1533-1
25 Offse	▲ 1521	B8JG-1521-1
0 Offse	▲ 1509	B8JG-1509-1

225mm [8.86"] Arm Length

Series	Arm Style	Model
120 Offse	▲ 1546	B8JG-1546-1
70 Offse	▲ 1534	B8JG-1534-1
25 Offse	▲ 1522	B8JG-1522-1
0 Offse	▲ 1510	B8JG-1510-1

255mm [10.04"] Arm Length

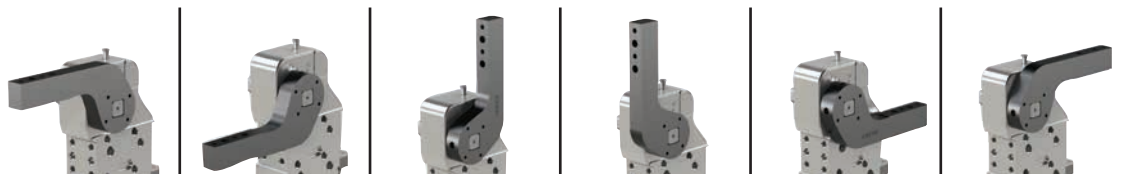
Series	Arm Style	Model
120 Offse	▲ 1547	B8JG-1547-1
70 Offse	▲ 1535	B8JG-1535-1
25 Offse	▲ 1523	B8JG-1523-1
0 Offse	▲ 1511	B8JG-1511-1

285mm [11.22"] Arm Length

Series	Arm Style	Model
120 Offse	▲ 1548	B8JG-1548-1
70 Offse	▲ 1536	B8JG-1536-1
25 Offse	▲ 1524	B8JG-1524-1
0 Offse	▲ 1512	B8JG-1512-1

▲ Common in North America

(•) STANDARD ARM OFFERING



Arm Styles	Maximum Opening Angle (shown in locked position)					
1510-1512/1507-1509	135°	135°	100°	100°	N/A	N/A
1522-1524/1519-1521	135°	N/A	50°	130°	N/A	40°
1534-1536/1531-1533	115°	N/A	25°	135°	N/A	75°
1546-1548/1543-1545	110°	N/A	20°	135°	N/A	85°

▲ Common in North America

(•) STANDARD ARM OFFERING

82M-3, 52H-3 CLAMP ARMS

Enclosed Modular Manual and Power Clamps

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Lateral Arms (NAAMS-Style) for 82M-3. and 52H-3E. 63mm for D0 Clamp Arm Shaft Option

11mm Thru Hole (8.00 F7 Dowel)

135mm [5.31"] Arm Length			165mm [6.50"] Arm Length			195mm [7.68"] Arm Length		
Series	Arm Style	Model	Series	Arm Style	Model	Series	Arm Style	Model
120 Offse	▲ • 1043	B8JG-1043-1	120 Offse	▲ ① 1044	B8JG-1044-1	120 Offse	▲ ① 1045	B8JG-1045-1
70 Offse	▲ • 1031	B8JG-1031-1	70 Offse	▲ • 1032	B8JG-1032-1	70 Offse	▲ • 1033	B8JG-1033-1
25 Offse	▲ • 1019	B8JG-1019-1	25 Offse	▲ • 1020	B8JG-1020-1	25 Offse	▲ ① 1021	B8JG-1021-1
0 Offse	▲ • 1007	B8JG-1007-1	0 Offse	▲ • 1008	B8JG-1008-1	0 Offse	▲ • 1009	B8JG-1009-1
225mm [8.86"] Arm Length			255mm [10.04"] Arm Length			285mm [11.22"] Arm Length		
Series	Arm Style	Model	Series	Arm Style	Model	Series	Arm Style	Model
120 Offse	▲ ① 1046	B8JG-1046-1	120 Offse	▲ ① 1047	B8JG-1047-1	120 Offse	▲ ① 1048	B8JG-1048-1
70 Offse	▲ • 1034	B8JG-1034-1	70 Offse	▲ • 1035	B8JG-1035-1	70 Offse	▲ ① 1036	B8JG-1036-1
25 Offse	▲ ① 1022	B8JG-1022-1	25 Offse	▲ ① 1023	B8JG-1023-1	25 Offse	▲ ① 1024	B8JG-1024-1
0 Offse	▲ ① 1010	B8JG-1010-1	0 Offse	▲ ① 1011	B8JG-1011-1	0 Offse	▲ ① 1012	B8JG-1012-1

Arm Styles	Maximum Opening Angle (shown in locked position)					
1010-1012/1007-1009	135°	135°	100°	100°	N/A	N/A
1022-1024/1019-1021	135°	N/A	50°	130°	N/A	40°
1034-1036/1031-1033	115°	N/A	25°	135°	N/A	75°
1046-1048/1043-1045	110°	N/A	20°	135°	N/A	85°

Lateral Arms (NAAMS-Style) for 82M-3E 80mm

11mm Thru Hole (8.00 F7 Dowel)

155mm [6.10"] Arm Length			185mm [7.28"] Arm Length			215mm [8.46"] Arm Length		
Series	Arm Style	Model	Series	Arm Style	Model	Series	Arm Style	Model
120 Offse	▲ ① 1170	B8JG-1170-1	120 Offse	▲ ① 1171	B8JG-1171-1	120 Offse	▲ ① 1172	B8JG-1172-1
70 Offse	▲ • 1150	B8JG-1150-1	70 Offse	▲ ① 1151	B8JG-1151-1	70 Offse	▲ ① 1152	B8JG-1152-1
25 Offse	▲ ① 1130	B8JG-1130-1	25 Offse	▲ ① 1131	B8JG-1131-1	25 Offse	▲ ① 1132	B8JG-1132-1
0 Offse	▲ ① 1110	B8JG-1110-1	0 Offse	▲ ① 1111	B8JG-1111-1	0 Offse	▲ • 1112	B8JG-1112-1
245mm [9.65"] Arm Length			275mm [10.83"] Arm Length			305mm [12.00"] Arm Length		
Series	Arm Style	Model	Series	Arm Style	Model	Series	Arm Style	Model
120 Offse	▲ ① 1173	B8JG-1173-1	120 Offse	▲ ① 1174	B8JG-1174-1	120 Offse	▲ ① 1175	B8JG-1175-1
70 Offse	▲ ① 1153	B8JG-1153-1	70 Offse	▲ ① 1154	B8JG-1154-1	70 Offse	▲ • 1155	B8JG-1155-1
25 Offse	▲ ① 1133	B8JG-1133-1	25 Offse	▲ • 1134	B8JG-1134-1	25 Offse	▲ ① 1135	B8JG-1135-1
0 Offse	▲ ① 1113	B8JG-1113-1	0 Offse	▲ ① 1114	B8JG-1114-1	0 Offse	▲ ① 1115	B8JG-1115-1
335mm [13.19"] Arm Length			365mm [14.37"] Arm Length			395mm [15.55"] Arm Length		
Series	Arm Style	Model	Series	Arm Style	Model	Series	Arm Style	Model
120 Offse	▲ ① 1176	B8JG-1176-1	120 Offse	▲ ① 1177	B8JG-1177-1	120 Offse	▲ ① 1178	B8JG-1178-1
70 Offse	▲ ① 1156	B8JG-1156-1	70 Offse	▲ ① 1157	B8JG-1157-1	70 Offse	▲ • 1158	B8JG-1158-1
25 Offse	▲ ① 1136	B8JG-1136-1	25 Offse	▲ ① 1137	B8JG-1137-1	25 Offse	▲ ① 1138	B8JG-1138-1
0 Offse	▲ ① 1116	B8JG-1116-1	0 Offse	▲ ① 1117	B8JG-1117-1	0 Offse	▲ • 1118	B8JG-1118-1

Arm Styles	Maximum Opening Angle (shown in locked position)					
1110 - 1118	135°	135°	100°	100°	N/A	N/A
1130 - 1138	135°	N/A	60°	120°	N/A	30°
1150 - 1158	125°	N/A	35°	135°	N/A	55°
1170 - 1178	115°	N/A	25°	135°	N/A	80°

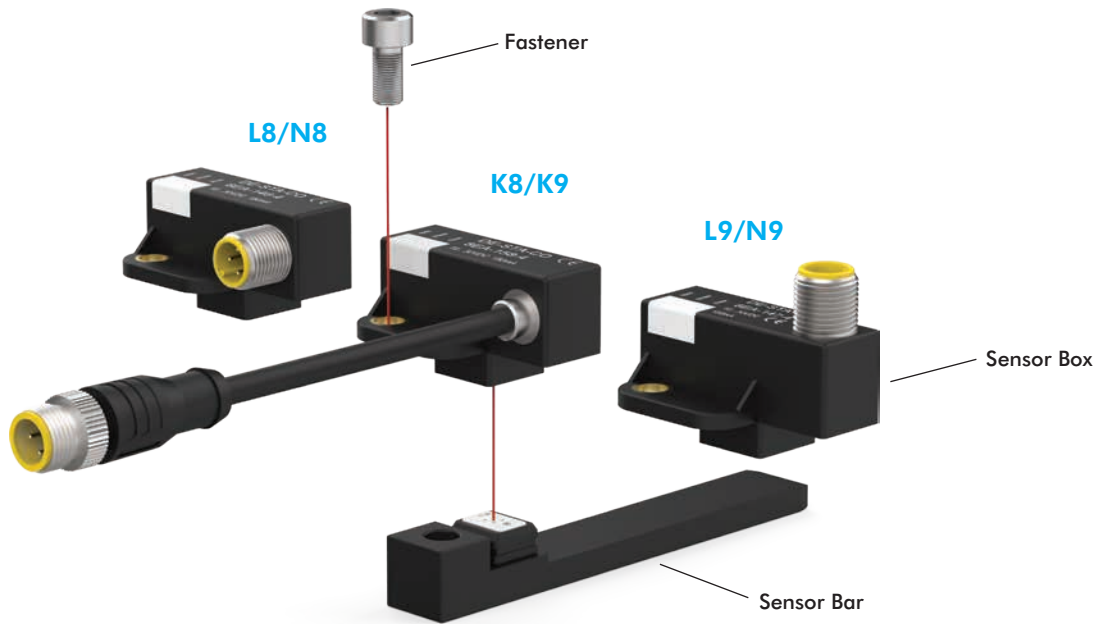
▲ Common in North America

(•) STANDARD ARM OFFERING

① NON-STANDARD ARM OFFERING (extended leadtimes apply)

TCC-2, 82M-3, 52H-3 SENSORS

Replacement Sensor Kits and Components



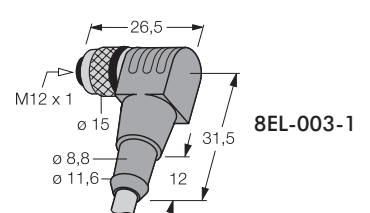
Complete Sensor Kits
(Includes Sensor Box, Sensor Bar, Screw)

Component Part No.

Fits Base Models	Order No.	Description	Replacement Kit	Sensor Box	Sensor Bar	Fastener
TCC-2.....4.	L8	PNP w/In-line M12x1 Connector	8EA-146-4-B-03	8EA-146-4-B	8EA-168-4-G	M6X12-912-ZN
	N8	NPN w/In-line M12x1 Connector	8EA-154-4-B-03	8EA-154-4-B		
	L9	PNP w/90° M12x1 Connector	8EA-147-4-B-03	8EA-147-4-B		
	N9	NPN w/90° M12x1 Connector	8EA-155-4-B-03	8EA-155-4-B		
	K8	PNP w/M12x1 Cable Connector	8EA-158-4-B-03	8EA-158-4-B		
	K9	NPN w/M12x1 Cable Connector	8EA-167-4-B-03	8EA-167-4-B		
TCC-2.....5., 6. 82M-3.....4., 5., 6. 52H-3.....50, 63	L8	PNP w/In-line M12x1 Connector	8EA-146-4-B-01	8EA-146-4-B	8EA-148-4-G	M6X12-912-ZN
	N8	NPN w/In-line M12x1 Connector	8EA-154-4-B-01	8EA-154-4-B		
	L9	PNP w/90° M12x1 Connector	8EA-147-4-B-01	8EA-147-4-B		
	N9	NPN w/90° M12x1 Connector	8EA-155-4-B-01	8EA-155-4-B		
	K8	PNP w/M12x1 Cable Connector	8EA-158-4-B-01	8EA-158-4-B		
	K9	NPN w/M12x1 Cable Connector	8EA-167-4-B-01	8EA-167-4-B		
82M-3.....8.	L8	PNP w/In-line M12x1 Connector	8EA-146-4-B-02	8EA-146-4-B	8EA-149-4-G	M6X12-912-ZN
	N8	NPN w/In-line M12x1 Connector	8EA-154-4-B-02	8EA-154-4-B		
	L9	PNP w/90° M12x1 Connector	8EA-147-4-B-02	8EA-147-4-B		
	N9	NPN w/90° M12x1 Connector	8EA-155-4-B-02	8EA-155-4-B		
	K8	PNP w/M12x1 Cable Connector	8EA-158-4-B-02	8EA-158-4-B		
	K9	NPN w/M12x1 Cable Connector	8EA-167-4-B-02	8EA-167-4-B		

Sensor Cables Order separately

Order No.	Description
8EL-002-1	M12x1, Straight, 5-pin Connector with 5 m [16 ft] Cable
8EL-003-1	M12x1, Angular, 4-pin Connector with 5 m [16 ft] Cable



870-2, 871-2

Pneumatic Power Clamps

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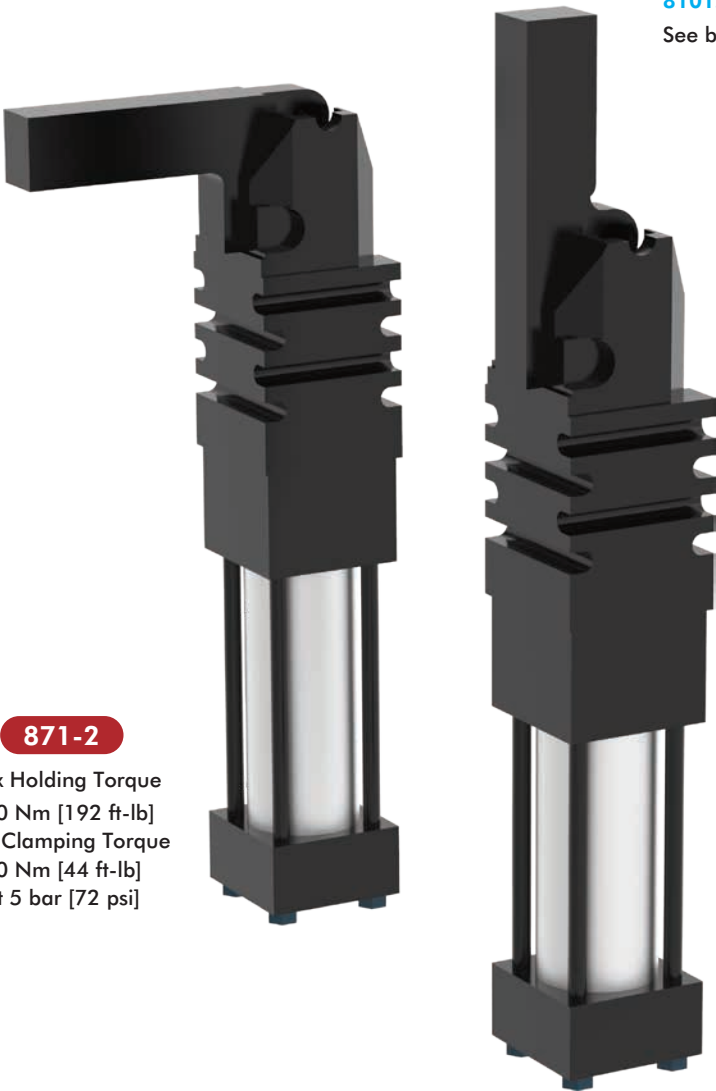


870-2

Base Model	Description
870-2	38,1 mm [1.5 in.] Cylinder with Vertical Clamp Arm
871-2	38,1 mm [1.5 in.] Cylinder with Horizontal Clamp Arm

Sensors	Description (order separately)
BIM-IKE-AP	Magnetic Sensor, 2 pieces required
810151	Magnetic Sensor, 2 pieces required
810153	Magnetic Sensor, 2 pieces required
810155	Magnetic Sensor, 2 pieces required
810157	Magnetic Sensor, 2 pieces required

See below for sensor specifications



871-2

Max Holding Torque
260 Nm [192 ft-lb]
Max Clamping Torque
60 Nm [44 ft-lb]
at 5 bar [72 psi]

870-2

Max Holding Torque
260 Nm [192 ft-lb]
Max Clamping Torque
60 Nm [44 ft-lb]
at 5 bar [72 psi]

Sensors Order separately (2 pieces required)

Order No.	Mount Style	Connector	Length	Function	Voltage	Max. Switching Current	Voltage Drop
BIM-IKE-AP	Tie Rod	No connector cord	2m [6.6 ft.]	PNP	10-30V DC	200mA	2.3V
810151			2.7m [9ft.]	Reed	5-120V AC/DC	500mA	3.5V
810153				Reed	24-240V AC	4A	1.0V
810155				PNP	6-24V DC	500mA	1.0V
810157				NPN	6-24V DC	500mA	1.0V



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860, 861, 890, 891, 1000, 1001

Pneumatic Power Clamps

860

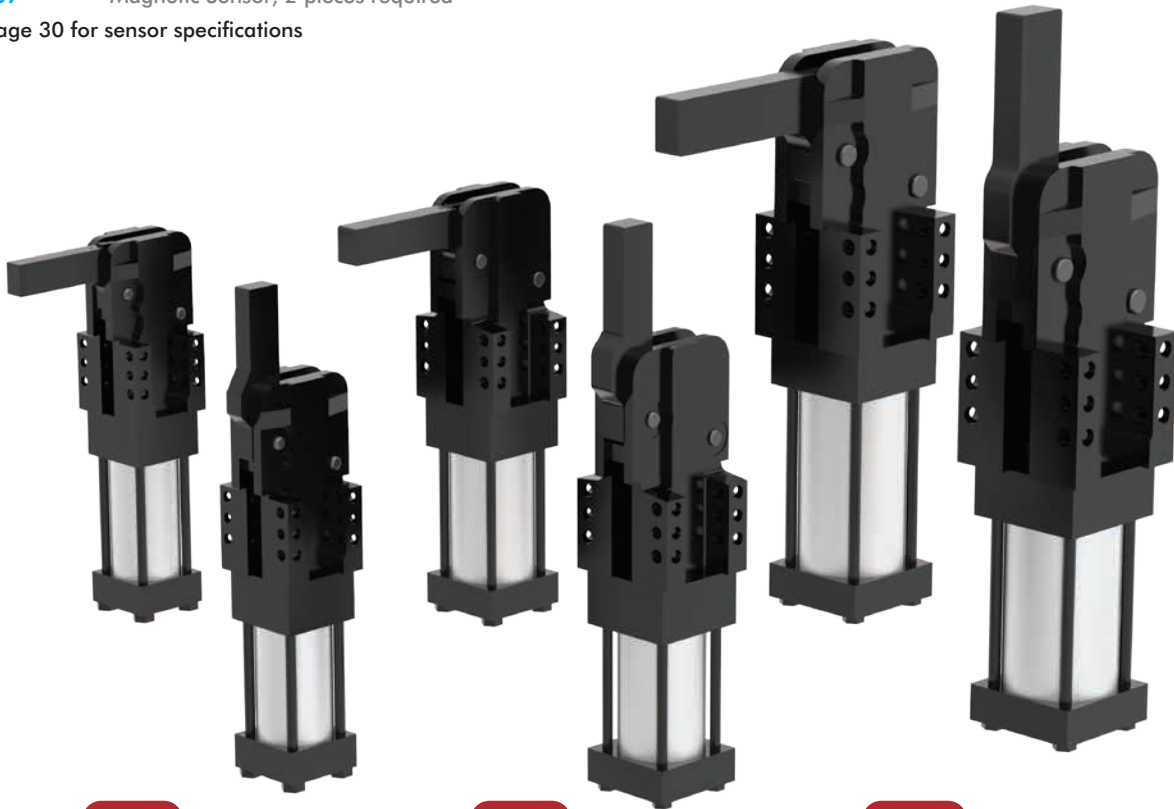
Base Model	Description
860	50,8 mm [2 in.] Cylinder with Vertical Clamp Arm
861	50,8 mm [2 in.] Cylinder with Horizontal Clamp Arm
890	63,5 mm [2.5 in.] Cylinder with Vertical Clamp Arm
891	63,5 mm [2.5 in.] Cylinder with Horizontal Clamp Arm
1000	82,5 mm [3.25 in.] Cylinder with Vertical Clamp Arm
1001	82,5 mm [3.25 in.] Cylinder with Horizontal Clamp Arm

Sensors	Description (order separately)
BIM-IKE-AP	Magnetic Sensor, 2 pieces required
810151	Magnetic Sensor, 2 pieces required
810153	Magnetic Sensor, 2 pieces required
810155	Magnetic Sensor, 2 pieces required
810157	Magnetic Sensor, 2 pieces required

See page 30 for sensor specifications

Seal Kit	Description (order separately)
8610100	Seal Kit for Model 860, 861
8910100	Seal Kit for Model 890, 891
10010100	Seal Kit for Model 1000, 1001

Cylinder	Description (order separately)
865133-MR	Replacement Cylinder for Model 860
865132-MR	Replacement Cylinder for Model 861
895133-MR	Replacement Cylinder for Model 890
895132-MR	Replacement Cylinder for Model 891
1005134-MR	Replacement Cylinder for Model 1000
1005133-MR	Replacement Cylinder for Model 1001



861

Max Holding Torque
1017 Nm [750 ft-lb]
Max Clamping Torque
256 Nm [180 ft-lb]
at 5 bar [72 psi]

891

Max Holding Torque
1695 Nm [1250 ft-lb]
Max Clamping Torque
553 Nm [408 ft-lb]
at 5 bar [72 psi]

1001

Max Holding Torque
3390 Nm [2500 ft-lb]
Max Clamping Torque
1229 Nm [906 ft-lb]
at 5 bar [72 psi]

860

Max Holding Torque
1017 Nm [750 ft-lb]
Max Clamping Torque
256 Nm [180 ft-lb]
at 5 bar [72 psi]

890

Max Holding Torque
1695 Nm [1250 ft-lb]
Max Clamping Torque
553 Nm [408 ft-lb]
at 5 bar [72 psi]

1000

Max Holding Torque
3390 Nm [2500 ft-lb]
Max Clamping Torque
1229 Nm [906 ft-lb]
at 5 bar [72 psi]

82D40, 82D63

Enclosed Pneumatic Power Clamps | Dual Arm

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Base Model

Base Model	Description
82D40-2	40 mm Cylinder (G1/4 Port)
82D63-5	63 mm Cylinder (G1/4 Port)

Clamp Arms

Description

Base model only. Order clamps arms separately.

Opening Angle

Opening Angle	Description
0	180° (standard)
1	160°
2	140°
3	120°
4	100°
5	80°
6	60°
7	40°
8	20°

Reduced opening angles available upon request.

Hand Lever

Description

Hand Lever not available

Sensor

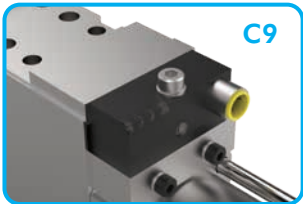
Description

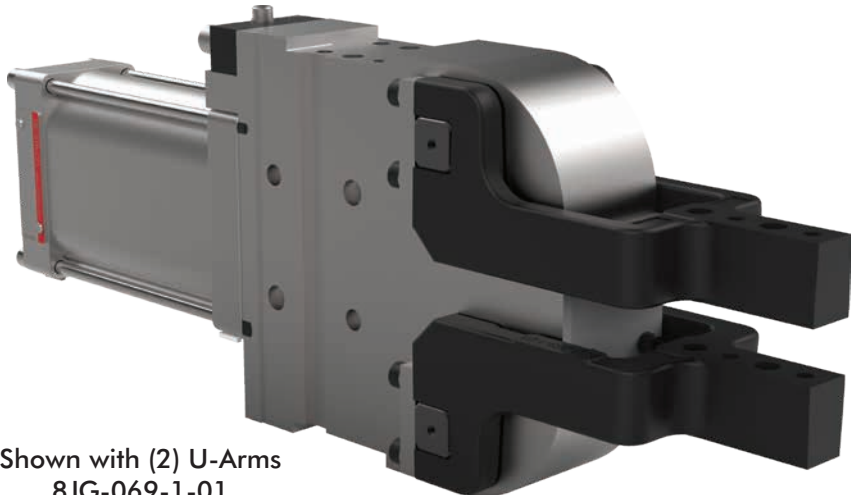
includes Sensing System with M12x1 Connector (8EA-024-2) Standard

Clamp Arm Shaft

Description

includes long drive shaft ends on both sides fit for all clamping arms (standard)





Shown with (2) U-Arms
8JG-069-1-01
(order separately)



82D63-5

Max Holding
400 Nm [295 ft-lb]
Max Clamping Torque
120 Nm [88 ft-lb]
at 5 bar [72 psi]



82D40-2

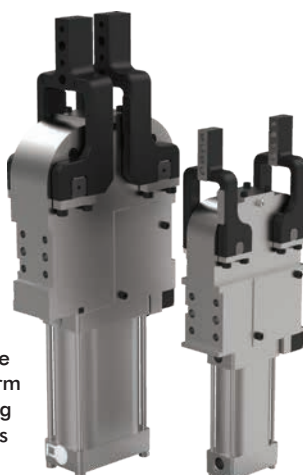
Max Holding
140 Nm [103 ft-lb]
Max Clamping Torque
60 Nm [44 ft-lb]
at 5 bar [72 psi]

U-type Central Clamping Arm



Model	Order No. (1 clamp arm)
82D40-223C900B	8JG-065-2-01
82D63-523C900B	8JG-069-1-01

Alternate
Clamp Arm
mounting
positions



Lateral Clamping Arm

Clamp Arm Variants

Left Side, Right Side, Both Sides



Model	Order No. (1 clamp arm)
82D40-223C900B	8JG-066-1-01
82D63-523C900B	8JG-070-1-01

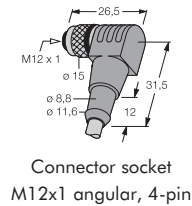
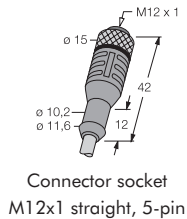


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82D ACCESSORIES

Enclosed Pneumatic Power Clamps | Dual Arm

Clamping Arms		Order No. for Set		Comment
Clamping are variant	Clamping position	82D40-223C900B	82D63-523C900B	
U-central	vertical	8JG-065-1-01	8JG-069-1-01	sets of U-type clamping arms consist of clamping arm, links and screws you need 2 sets of clamping arms
lateral right/left	vertical	8JG-066-1-01 ¹⁾	8JG-070-1-01 ²⁾	sets of lateral clamping arms consist of 1) clamping arm, links and screws 2) clamping arm and set screws you need 2 sets of clamping arms
lateral both sides	vertical	8JG-066-1-01 ¹⁾	8JG-070-1-01 ²⁾	you need 4 sets of clamping arms



Sensor Cables (Order Separately)	
Order No.	Description
8EL-002-1	M12x1, Straight, 5-Pin Connector with 5 m [16 ft] Cable
8EL-003-1	M12x1, Angular, 4-Pin Connector with 5 m [16 ft] Cable

Opening Angle Limiter		Fit for Model 82D40-2...		Fit for Model 82D63-5...	
Angle	Length	Order No.	Length	Order No.	
180° (Standard)	11,4 mm	8CE-342-1	14,4 mm	8CE-362-1	
160°	15,1 mm	8CE-340-1	20,0 mm	8CE-360-1	
140°	18,5 mm	8CE-338-1	24,8 mm	8CE-358-1	
120°	22,2 mm	8CE-336-1	29,6 mm	8CE-356-1	
100°	25,8 mm	8CE-334-1	34,3 mm	8CE-354-1	
80°	28,0 mm	8CE-332-1	39,0 mm	8CE-352-1	
60°	33,0 mm	8CE-330-1	43,8 mm	8CE-350-1	
40°	37,0 mm	8CE-328-1	49,1 mm	8CE-348-1	
20°	41,8 mm	8CE-326-1	56,2 mm	8CE-346-1	

Shim Plates (for clamping arm)	Fit for model 82D40-2									Fit for model 82D63-5								
	Order No.	A1	A2	D2	D3	B9	B10	B12	L10	Order No.	A1	A2	D2	D3	B9	B10	B12	L10
	82ZB-SH4001		0,1							82ZB-SH5001		0,1						
	82ZB-SH4002		0,2							82ZB-SH5002		0,2						
	82ZB-SH4005	42	0,5	6,5	7	6	20	20	12	82ZB-SH5005	65	0,5	6,5	9	10	30	30	15,8
	82ZB-SH4010		1,0							82ZB-SH5010		1,0						
	82ZB-SH4020		2,0							82ZB-SH5020		2,0						
	82ZB-SH4050		5,0							82ZB-SH5050		5,0						

Spare Parts	Order No. for Set	
	82D40-2	82D63-5
Cylinder	8PW-016-1	8PW-067-1
Integrated sensing system C9 Connector plug M12x1	8EA-024-2	8EA-024-2

84A40, 84A50

Enclosed Pneumatic Power Clamps | Dual Arm, Tolerance Compensation

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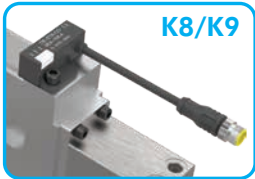
84A 50-1 A01 L8

Size	Description
40-1	32 mm Cylinder (G1/8 Port)
50-1	50 mm Cylinder (G1/4 Port)

U-Arm Style	Description
000	Without Clamping Arms
A01	Double Tip, Surface Clamping
A02	Single Tip, Point Clamping
A03	Double Tip, Surface Clamping (Standard Profile 84A40, Wide Profil 84A50)
A04	Double Tip, Surface Clamping, Wide Profile for 84A50 only

Shown with
A01 U-Arms

Sensor	Description
00	Without Sensing System
L8	PNP Sensor with In-line M12x1 Connector (8EA-146-4-B)
N8	NPN Sensor with In-line M12x1 Connector (8EA-154-4-B)
L9	PNP Sensor with 90° M12x1 Connector (8EA-147-4-B)
N9	NPN Sensor with 90° M12x1 Connector (8EA-155-4-B)
K8	PNP Sensor with M12x1 Cable Connector (8EA-158-4-B)
K9	NPN Sensor with M12x1 Cable Connector (8EA-167-4-B)



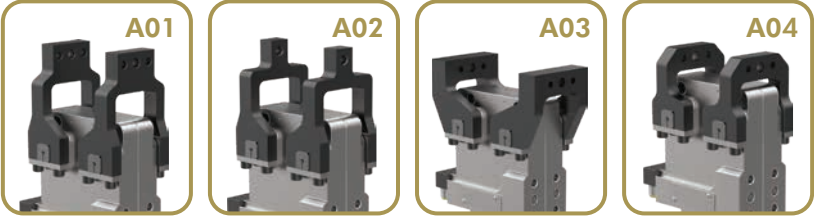
Sensor Cables Order separately

Order No.	Description
8EL-002-1	M12x1, Straight, 5-pin Connector w/5 m [16 ft.] Cable
8EL-003-1	M12x1, Angular, 4-pin Connector w/5 m [16 ft.] Cable

U-Arm Styles for 84A40



U-Arm Styles for 84A50

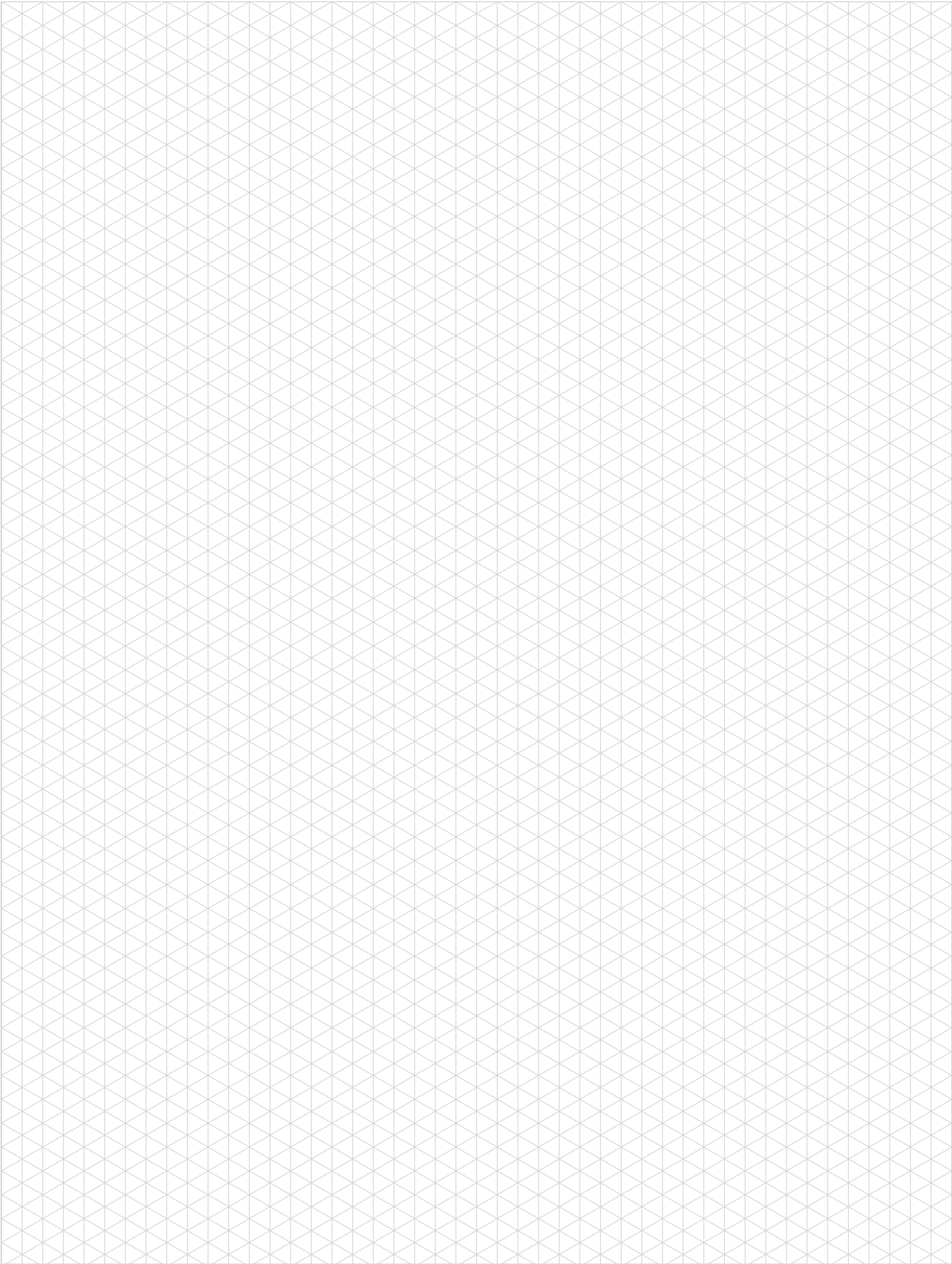


84A40-1

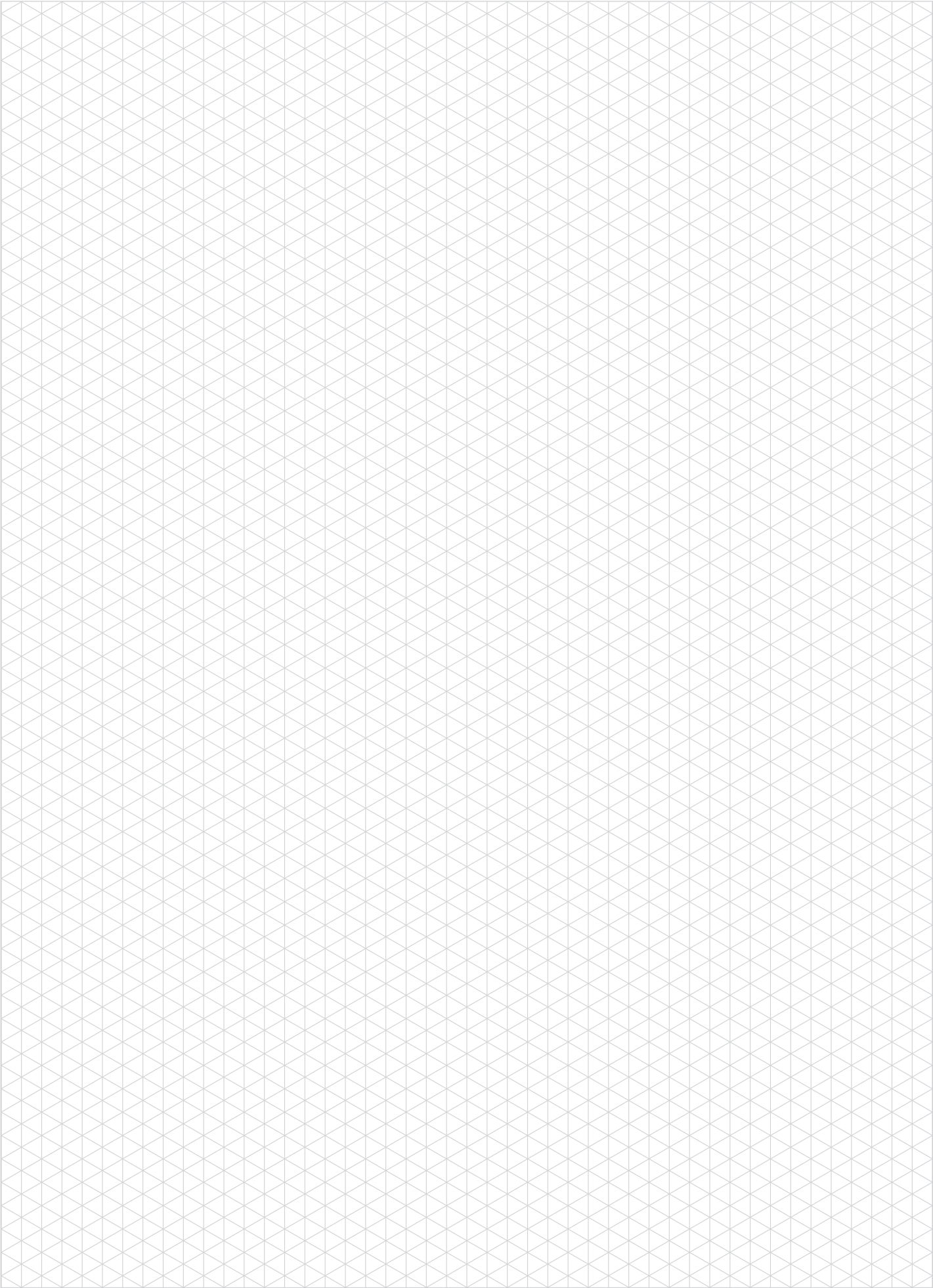
Max Holding/
Clamping Torque
29 Nm [21 ft-lb]
at 5 bar [72 psi]

84A50-1

Max Holding/
Clamping Torque
136 Nm [100 ft-lb]
at 5 bar [72 psi]



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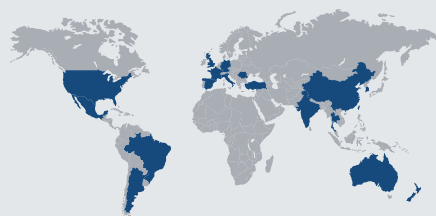
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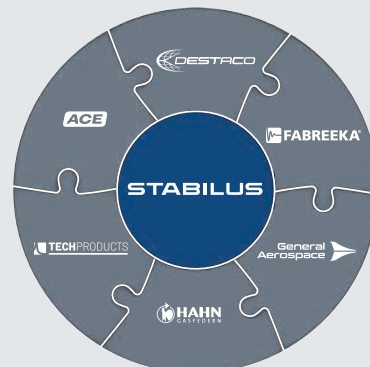
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