



CLAMPING TECHNOLOGY VOL. 1

MANUAL, PNEUMATIC,
HYDRAULIC

destaco.com

VISUAL SELECTION GUIDE

MARKETS



AEROSPACE



CONSUMER GOODS



FOOD & PACKAGING



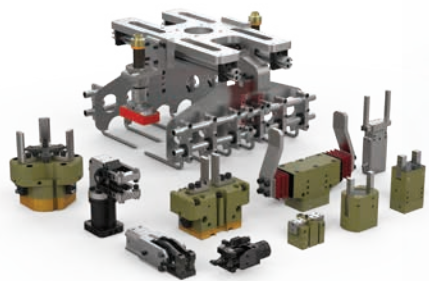
INDUSTRIAL



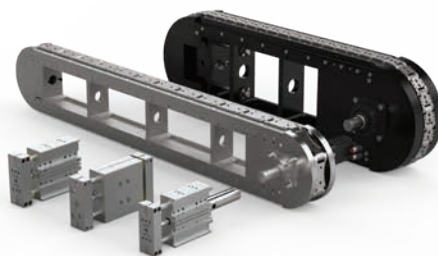
TRANSPORTATION

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.

Stabilus is one of the world's leading providers of motion control solutions for customers across a broad spectrum of industries including mobility, industrial machinery, automation, energy, construction, health, recreation, and furniture. Stabilus offers reliable and innovative solutions that enable, enhance and automate precise movement, placement, as well as opening, closing, lifting, lowering and adjusting actions. The Group, which has its headquarters in Koblenz, has a global production and distribution network with more than eight thousand employees worldwide and generated revenues of €1.2 billion in the 2023 fiscal year. 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



ABOUT DESTACO

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



Applications



Pneumatic Power Clamps

Clamp with Confidence

Markets



Applications







MANUAL CLAMPING SOLUTIONS

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MAKING OUR PRODUCTS SPECIAL FOR YOU

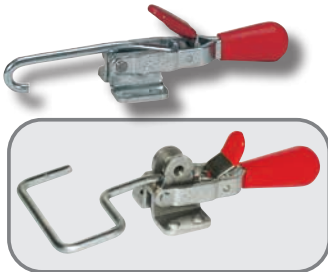
When an off-the-shelf product can't handle it - we can!

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



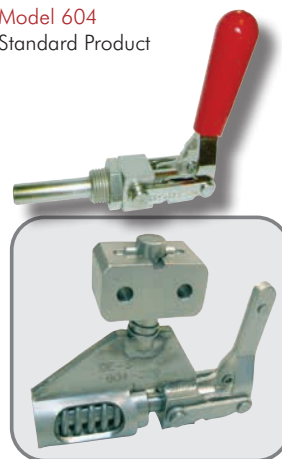
330-201 Stainless steel clamp with special hook and locking tab

Model 2002-U
Standard Product



2002-200 with bar cut & bolt retainer welded on

Model 604
Standard Product



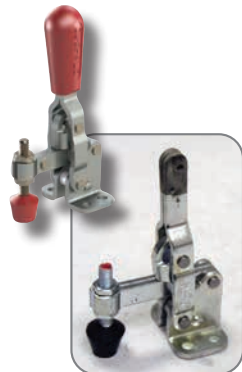
604-229 Stainless steel straight line clamp used in chemical machining process

Model 624/624-MM
Standard Product



624-MM-872 with modified handle and square plunger

Model 202
Standard Product



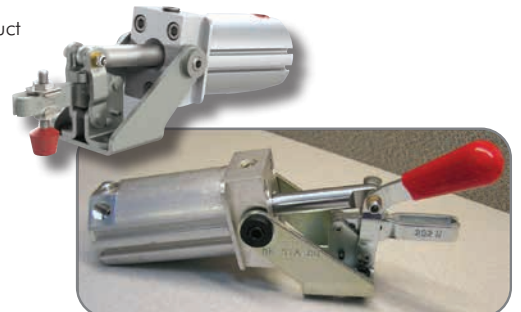
202-200 without grip, with imperial threaded spindle

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.



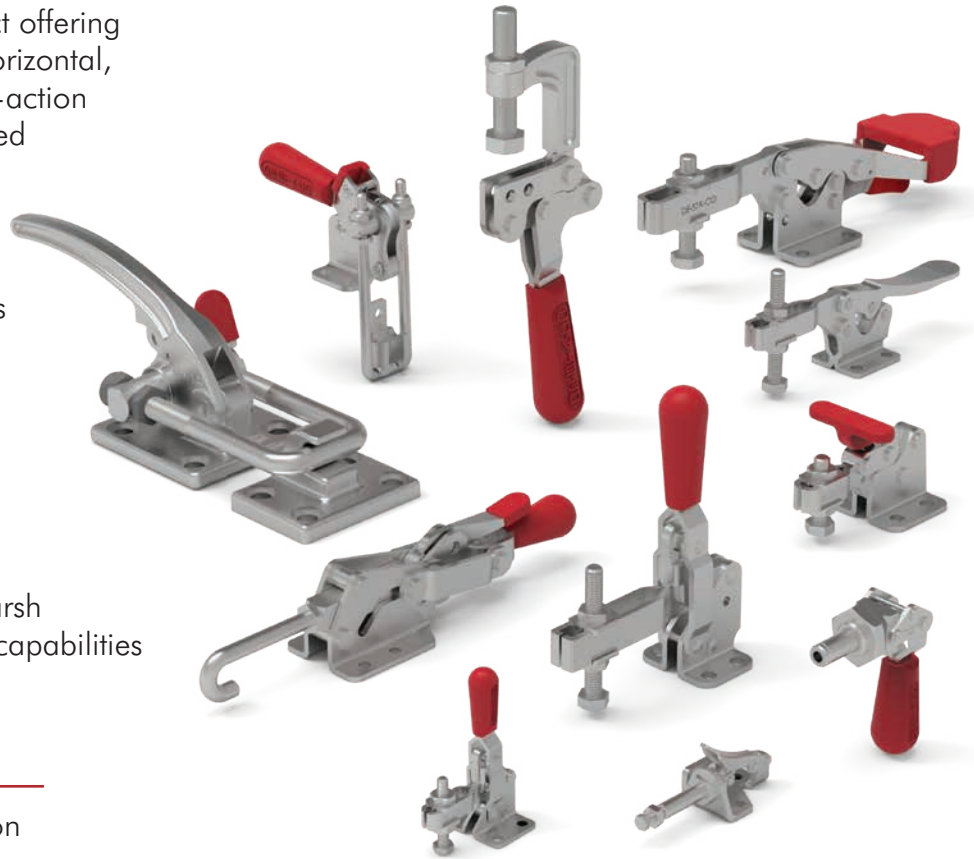
Manual Clamp Series	Standard Red Handle <small>Popular Model Number Used</small>	Green	Blue	Yellow	Black
202	202-U	202-U-G	202-U-B	202-U-Y	202-U-K
207	207-U	207-U-G	207-U-B	207-U-Y	207-U-K
602	602-MM	602-MM-G	602-MM-B	602-MM-Y	602-MM-K
604	604-MM	604-MM-G	604-MM-B	604-MM-Y	604-MM-K
624	624-MM	624-MM-G	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

 <p>PERFORMANCE</p>	<ul style="list-style-type: none"> • 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 	 <p>FOOD & PACKAGING</p>	 <p>ASSEMBLY</p>
 <p>INTERCHANGEABLE</p>	<ul style="list-style-type: none"> • Standard mounting pattern for interchangeability with exist equipment • Oil resistant vinyl or PVC handles can be removed for high temperature applications 	 <p>CONSUMER GOODS</p>	 <p>FIXTURE/TESTING</p>
 <p>SAFETY</p>	<ul style="list-style-type: none"> • Clamp can be locked in open and closed position with optional DESTACO® Toggle Lock Plus™ • Ergonomic and Safe operation 	 <p>INDUSTRIAL</p>	 <p>MOLDING</p>
		 <p>LIFE SCIENCES</p>	 <p>WELDING</p>



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VERTICAL HOLD DOWN CLAMPS

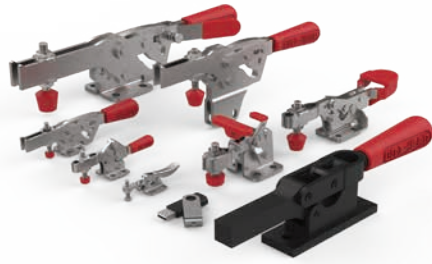
Sizing and Application Chart

Overall Length mm [inch]		Overall Width mm [inch]		Suitable Application Areas										Standard Material			Arm Style	Mounting Style		Service Environment														
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	
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HORIZONTAL HOLD DOWN CLAMPS

Sizing and Application Chart

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Series	Page #	Max. Holding Capacity N [lbf.]					Height Under Clamping Bar mm [inch]					Overall Height mm [inch]								
		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		●					●						●						
2017	32			●				●							●					
2027	32				●				●							●				
213	32		●					●												
217	33	●	●						●											
227	33			●					●							●				
237	34				●					●							●			
245	34										●									●
205	34	●						●												
215	34		●	●					●					●						
225	35			●						●					●					
235	35				●						●					●				
305	35	●						●						●						
307	35		●						●							●				
309	35				●					●									●	
206	36	●												●						
5305	36			●					●					●						
5310	36						●		●						●					

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



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HORIZONTAL HOLD DOWN CLAMPS

Sizing and Application Chart

Overall Length mm [inch]		Overall Width mm [inch]		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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	●								●				○	●	●	●	●	●	○	○	✓	✓			✓	✓		✓		✓		
●			●							●			○	●	●	●	●	●	○	○	✓	✓			✓	✓		✓		✓		
			●										○	●	●	○	●	●	○	○	✓			✓	✓			✓		✓		
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						●							○	●	○	●	●	●	⊗	○	✓		✓	✓			✓		✓		✓	

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



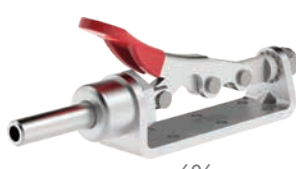









STRAIGHT LINE ACTION CLAMPS


Sizing and Application Chart

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Series	Page #	Max. Holding Capacity N [lbf.]					Plunger Travel mm [inch]				
		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 20 [0 to 0.79]	20 to 40 [0.79 to 1.57]	40 to 60 [1.57 to 2.36]

 6001	6001	37	●						●			
 601	601	37	●						●			
 6015	6015	37		●					●			
 603	603	37		●						●		
 608	608	37			●						●	
 605	605	38	●							●		
 606	606	38	●							●		
 607	607	38		●							●	
 609	609	38	●							●		
 610	610	38		●							●	
 615	615	38	●							●		
 620	620	38		●						●		
630	630	38						●			●	
640	640	39						●				●
650	650	39						●				●
95030	95030	39		●						●		
95040	95040	39			●					●		
95050	95050	39						●			●	
95060	95060	39						●			●	
5130	5130	39						●			●	
5131	5131	39		●						●		
5133	5133	39			●						●	
5150	5150	39						●			●	
602	602	40	●							●		
604	604	40		●						●		
624	624	40			●						●	
6002	6002	40	●							●		
6004	6004	40		●						●		
6024	6024	40						●			●	
614	614	40			●					●		
670	670	40						●		●		
675	675	40						●		●		
690	690	40						●			●	
695	695	40						●		●		

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

PULL ACTION LATCH CLAMPS


Sizing and Application Chart

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Series	Page #	Max. Holding Capacity N [lbf.]							Plunger Travel mm [inch]				
		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 [1.4.97 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+ [5.91+]
3031	42	●						●					
3051	42				●			●					
330	42	●						●					
351	42	●									●		
371	42		●									●	
381	42			●									●
323	42	●						●					
331	42		●					●					
341	42				●				●				
375	43					●				●			
385	43						●		●				
324	44		●					●					
334	44			●					●				
344	44				●				●				
374	44					●		●					
301	44	●									●		
311	44			●						●			
3011	44				●					●			
353	44			●	●			●					



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



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PULL ACTION LATCH CLAMPS

Sizing and Application Chart

Overall Height mm [inch]						Overall Length mm [inch]						Overall Width mm [inch]						Standard Material				Hook Style		Service Environ- ment		
0 to 50 [0 to 1.97]						50 to 100 [1.97 to 3.94]						100 to 150 [3.94 to 5.91]						Duty Cycle				Adjustable U-Hook		Normal		
50 to 75 [1.497 to 2.95]						150 to 200 [5.91 to 7.87]						200 to 250 [5.91 to 9.84]						Steel				Adjustable J-Hook		Harsh/Dirty		
75 to 100 [2.95 to 3.94]						250 to 300 [5.91 to 11.81]						300 to 350 [11.81 to 13.78]						Stainless Steel								
100 to 125 [3.94 to 4.92]																		Color Handles								
125 to 150 [4.92 to 5.91]																		Toggle Lock Plus™								
150+ [5.91+]																		Fixed								
●																		○	✓	✓	✓	✓			✓	✓
●												●						○	✓	✓	✓	✓			✓	✓
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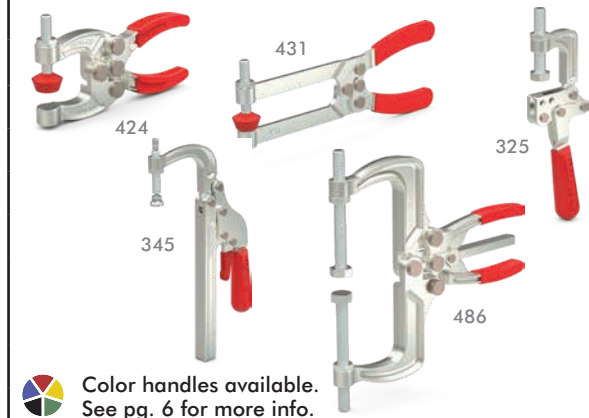
SQUEEZE ACTION PLIER CLAMPS


Sizing and Application Chart

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Series	Page #	Max. Holding Capacity N [lbf.]						Maximum Clamping Thickness mm [inch]						Color Handles	
		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]		80+ [2.26+]
325	45				●						●				✓
345	45				●									●	✓
424	45	●						●							
441	45		●						●						
431	45	●						●							
462	45				●				●						
463	45				●						●				
482	45						●		●						
484	45						●						●		
486	45				●								●		



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



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MANUAL CLAMPING ACCESSORIES

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



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PNEUMATIC TOGGLE CLAMPS

Sizing and Application Chart

Overall Height mm [inch]	Overall Length mm [inch]	Overall Width mm [inch]	Suitable Application Areas	Service Environment
0 to 50 [0 to 1.97]	50 to 75 [1.97 to 2.95]	20 to 40 [0.78 to 1.57]	Welding	Normal
75 to 100 [2.95 to 3.94]	150 to 175 [5.91 to 6.89]	40 to 60 [1.57 to 2.36]	Assembly	Harsh/Dirty
100 to 125 [3.94 to 4.92]	175 to 200 [6.89 to 7.87]	60 to 80 [2.36 to 3.15]	Light Machining	Normal
125 to 150 [4.92 to 5.91]	200 to 225 [7.87 to 8.86]	80 to 100 [3.15 to 3.94]	Duty Cycle	Normal
150 to 175 [5.91 to 6.89]	225 to 250 [8.86 to 9.84]	100 to 120 [3.94 to 4.72]	Accommodates Workpiece Variation	Normal
175 to 200 [6.89 to 7.87]	250 to 275 [9.84 to 10.83]		Toggle Clamp U-Bar Version	Normal
200 to 225 [7.87 to 8.86]	275+ [10.83+]		Toggle Clamp Solid Arm Version	Normal
225 to 250 [8.86 to 9.84]			Straight Line Action Clamp	Normal
250 to 275 [9.84 to 10.83]			Pull Action Latch Clamp J-Hook	Normal
275+ [10.83+]				Harsh/Dirty

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

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

Series	Page #	Bore Size mm [in]						Total Stroke mm [in]			Clamp Stroke mm [in]		Clamping Force N [lbf]		Zero Travel During Rotation	Block Body Style	Threaded Body Style	Flanged Body Style	Sensor Ready	360° Arm Adjustability	Clamp Arm/Spindle Incl.	Manual Operation	Confined Space Operation
		Less than 20 [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]	60+ [2.36+]	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 50 [1.57 to 1.97]	50 to 60 [1.97 to 2.36]	0 to 10 [0 to 0.39]	10 to 20 [0.39 to 0.78]									
8822	55	●									●		●		✓				✓	✓	✓	✓	
8832	55		●								●		●		✓				✓	✓	✓	✓	
8840	55			●							●		●		✓				✓	✓	✓	✓	
8850	55				●						●		●		✓				✓	✓	✓	✓	
8725	55	●									●		●						✓	✓	✓	✓	
8732	55		●								●		●						✓	✓	✓	✓	
8740	55			●							●		●						✓	✓	✓	✓	
8750	55				●						●		●						✓	✓	✓	✓	
9522-2	56	●					●				●		●		✓				✓	✓	✓	✓	
9530-2	56		●				●				●		●		✓				✓	✓	✓	✓	
9540-2	56			●			●				●		●		✓				✓	✓	✓	✓	
9550-2	56				●		●				●		●		✓				✓	✓	✓	✓	
89R20	57	●					●				●		●		✓				✓	✓			
89R32	57		●				●				●		●		✓				✓	✓			
89R40-010	57			●			●		●		●		●		✓				✓	✓	✓	✓	
89R40-025	57			●			●		●		●		●		✓				✓	✓	✓	✓	
89R50	57				●		●		●		●		●		✓				✓	✓	✓	✓	
89R63	57					●	●		●		●		●		✓				✓	✓	✓	✓	
89B20	57	●					●				●		●		✓				✓	✓			
89B32	57		●				●				●		●		✓				✓	✓	✓	✓	
89B40	57			●			●				●		●		✓				✓	✓	✓	✓	
89B50	57				●		●		●		●		●		✓				✓	✓	✓	✓	
89B63	57				●		●		●		●		●		✓				✓	✓	✓	✓	
8115/8116	58	●					●				●		●		✓				✓	✓	✓	✓	
8315/9316	58		●				●		●		●		●		✓				✓	✓	✓	✓	
89E20	58	●					●				●		●		✓				✓	✓			
89E32	58		●				●				●		●		✓				✓	✓			
89E40	58			●			●				●		●		✓				✓	✓			
89E50	58				●		●		●		●		●		✓				✓	✓			
89E63	58				●		●		●		●		●		✓				✓	✓			
8015/8016	59	●					●				●		●		✓				✓	✓	✓	✓	
8215/8216	59		●				●		●		●		●		✓				✓	✓	✓	✓	
8415/8416	59			●			●				●		●		✓				✓	✓	✓	✓	
035-125	59	●					●				●		●		✓				✓	✓			
035-132	59		●				●				●		●		✓				✓	✓			
035-140	59			●			●		●		●		●		✓				✓	✓			
035-150	59				●		●				●		●		✓				✓	✓			
035-225	59	●					●				●		●		✓				✓	✓			
035-232	59		●				●				●		●		✓				✓	✓			
035-240	59			●			●				●		●		✓				✓	✓			
035-250	59				●		●				●		●		✓				✓	✓			
6002-SW	61		N/A				●				●		●						✓	✓	✓	✓	
6004-SW	61		N/A				●		●		●		●						✓	✓	✓	✓	



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PNEUMATIC POWER CYLINDERS

See pages 62-63 for more information



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these products

HYDRAULIC POWER CLAMPS

See pages 64-65 for more information



PNEUMATIC POWER CLAMPS

Sizing and Application Chart

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catalog pages on
these products



Series	Page	Holding Torque at 5 bar Nm					Clamping Torque at 5 bar Nm					Piston Diameter mm							
		0 to 100	100 to 500	500 to 1000	1000 to 2000	2000 to 4000	0 to 100	100 to 500	500 to 1000	1000 to 2000	2000 to 4000	Less than 25	25	32	40	50	63	80	
81L	66	●					●					●							
82L-4	67	●					●					●	●						
82L-2	68	●	●				●	●				●	●	●					
TCC-2	72	●					●									●	●		
82M-3E	74		●		●	●		●	●						●	●	●		
52H-3E	76				●														
870/871	82		●				●									●			
860/861	83			●				●									●		
890/891	83				●			●										●	
1000/1001	83					●			●									●	●
82D	84		●				●	●								●		●	
84A	86		●	●			●	●								●	●		

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



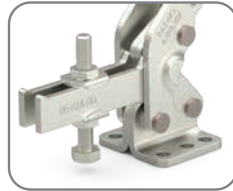
"R" Toggle Lock Plus prevents accidental/unintentional opening



"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 ①
Blackout Series Flanged Base U-Bar



2002-S
Flanged Base Solid Bar



2002-UB
Straight Base U-Bar



2002-UB-LS-BLK ①
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 ①
Flanged Base Solid Bar
DESTACO® Toggle Lock Plus



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



2002-SBR ①
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.



① This item is available upon request

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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



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



-URSS Stainless Steel Model

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


201, 202

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pages on products

Vertical Hold Down Clamps

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

ⓘ This item is available upon request


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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



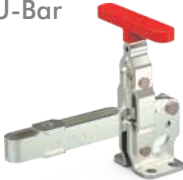
207-L
Flanged Base
Long Solid Bar



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



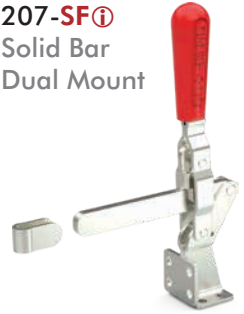
207-LBR ⓘ
Straight Base
Long Solid Bar
DESTACO®
Toggle Lock
Plus



207-UF ⓘ
U-Bar
Dual Mount



207-SF ⓘ
Solid Bar
Dual Mount



207-U-L ⓘ
Flange Base
Open Bar



207-U-L-BLK
Blackout Series
Flanged Base
Open U-Bar



207-UB-L ⓘ
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.



ⓘ This item is available upon request


210, 247, 267, 5900

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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



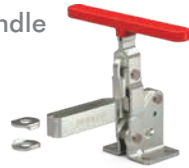
210-UR
Flanged Base
U Bar
DESTACO®
Toggle Lock
Plus



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-S ⓘ
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



ⓘ This item is available upon request

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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)

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



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

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pages on products

Vertical Hold Down Clamps

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


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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-MBLSC ⓘ
Swivel Base
with Locking
Spring Clip



503-MLBLS ⓘ
Long Base
with Locking
Spring Clip



505-MB
Swivel Base



505-MLB
Long Base



505-MBLSC ⓘ
Swivel Base
with Locking
Spring Clip



505-MLBLS ⓘ
Long Base
with Locking
Spring Clip



506-MB
Swivel Base



506-MLB ⓘ
Long Base



506-MBLSC ⓘ
Swivel Base
with Locking
Spring Clip



506-MLBLS ⓘ
Long Base
with Locking
Spring Clip



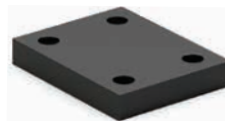
Accessories



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)

ⓘ This item is available upon request

2013, 2017, 2027, 213

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Horizontal Hold Down Clamps

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



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

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



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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

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pages on products

Horizontal Hold Down Clamps

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 ⓘ
Straight Base
U-Bar



205-UL ⓘ
Left Flanged Base
U-Bar



205-UR ⓘ
Right Flanged Base
U-Bar



205-S/SSS
Flanged Base
Solid Bar



-USS Stainless
Steel Model

205-SB ⓘ
Straight Base
Solid Bar



205-SL ⓘ
Left Flanged Base
Solid Bar



205-SR ⓘ
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 ⓘ
Straight Base
U-Bar



215-S
Flanged Base
Solid Bar



ⓘ This item is available upon request

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pages on products

225, 235, 305, 307, 309

Horizontal Hold Down Clamps



225 Series

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

225-U/USS

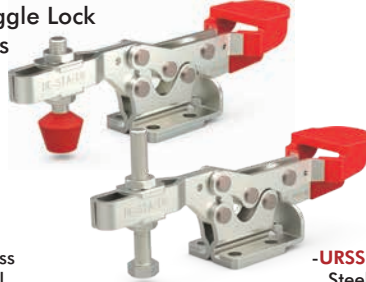
Flanged Base
U-Bar



-USS Stainless
Steel Model

225-UR/URSS

Flanged Base, U-Bar
DESTACO®
Toggle Lock
Plus



-URSS Stainless
Steel Model

225-UB/UBSS ⓘ

Straight Base
U Bar



225-UF

Front Mount Base
U-Bar



-UBSS Stainless
Steel Model

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



-URSS Stainless
Steel Model

235-UB ⓘ

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



-URSS Stainless
Steel Model

307-U/USS

Flanged Base
U-Bar



-USS Stainless
Steel Model



307-UR/URSS

Flanged Base
U-Bar



-URSS Stainless
Steel Model

309-U/USS

Flanged Base
U-Bar



-USS Stainless
Steel Model

309-UR ⓘ

Flanged Base
U-Bar



DESTACO®
Toggle Lock
Plus™

ⓘ This item is available upon request

206, 5300

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Horizontal Hold Down Clamps

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

Solid
Base



5305-R/5310-R

Flanged Base

DESTACO®
Toggle Lock
Plus



5305-BR ⓘ/5310-BR ⓘ

Solid Base

DESTACO®
Toggle Lock
Plus



ⓘ This item is available upon request

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pages on products

6001, 601, 6015, 603, 608

Straight Line Action Clamps



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-OSS^①
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

CLICK OR SCAN
QR codes for full catalog
pages on products

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



CLICK OR SCAN

QR codes for full catalog pages on products

640, 650, 95000, 5000

Straight Line Action Clamps

640 Series

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



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



650 Series

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



640/-M



640-R/-MR

DESTACO®
Toggle Lock
Plus



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

Dimensions and technical information are subject to change without notice


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

CLICK OR SCAN
QR codes for full catalog
pages on products

Straight Line Action Clamps

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 (602, 602-MM)



604106 (604, 6004)

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




624106-M (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

CLICK OR SCAN
QR codes for full catalog
pages on products

FO, FL, G, F

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)



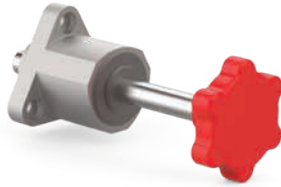
FL Series

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:

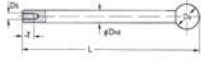
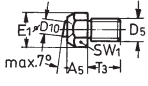
- Through hole mount

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 FO-120 FO-121-45 FO-122-45	[335] 1500 [675] 3000 [675] 3000 [675] 3000
		FO-160 FO-161-60 FO-162-60 FO-220 FO-221-80	[2020] 9000 [2020] 9000 [2020] 9000 [4045] 18000 [4045] 18000
Front flange 		FL-120 FL-121-45 FL-122-45	[675] 3000
		FL-160 FL-161-60 FL-162-60	[2020] 9000
Threaded mount 		G-082-40 G-120	[335] 1500 [675] 3000
		G-121-45 G-122-45	[675] 3000

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

CLICK OR SCAN
QR codes for full catalog
pages on products

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.



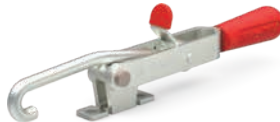
330/-SS



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

 This item is available upon request

CLICK OR SCAN


QR codes for full catalog pages on products

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-BR ⓘ
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**

ⓘ This item is available upon request


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

CLICK OR SCAN
QR codes for full catalog pages on products

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.



3011 Series

Max. Holding Capacity:
8900 N [2000 lbf]



301/-SS



311



3011



353 Series

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



353-35



353-65




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QR codes for full catalog
pages on products

325, 345, 424, 441, 431, 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)



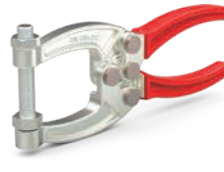
424



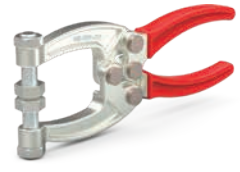
424-2
With Two
Adjustable
Spindles



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
- Stainless steel versions available upon request



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

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

Flat-Tip Bonded Red Neoprene Spindle – Metric

- Includes jam nuts



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



Part No.	Thread
205208-M	M4
201208-M	
305208-M	
213208-M	M5
2013208-M	
307208-M	M8



Part No.	Thread
213208-M-L ⓘ	M5

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

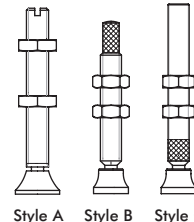
- For use with Straight Line Action clamps
- Includes jam nut



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	
207206	1/4-20	C
507206	5/16-18	
468206	3/8-16	B
210206		C
250206	1/2-13	

ⓘ Item is available upon request.



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on products

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	Part No.	Thread
205203-M	M6	205203	
461203-M		202203	1/4-20
207203-M	M8	461203	
491203-M		441203	5/16-18
210203-M	M10	207203	
240203-M		491203	
220203-M	M12	210203	3/8-16
267203-M	M16	240203	
105203*	#8-32	527203	
305203	#10-32	325203	1/2-13
		220203	
		250203	5/8-11

*Material: nylon

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



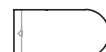
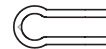
Part No.	Fits Spindle Ø
215319	1/4
225319	5/16
235319	3/8

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		A
207105-M	M8 or 5/16	B
210114		A
210114-M	M10 or 3/8	B
247110		A
247110-M	M12 or 1/2	B
250121	M12 or 1/2	A
2002115-E	M6 or 1/4	
2007115-E	M8 or 5/16	B
2010115-E	M10 or 3/8	

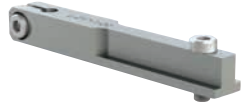
ADAPTERS & EXTENSIONS

Manual Clamping Accessories

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Length Adapter



Model no.	Length Adapter
213-U-L / 213-UB-L 2013-U / 2013-UB 2013-UR / 2013-UBR	L-213-1-01 ⓘ L-213-1-02 ⓘ
202-U-L / 202-UB-L 217-U-L / 217-UB-L 2002-U-L / 2002-UB-L 2017-U / 2017-UB 2017-UR / 2017-UBR	L-217-1-01 ⓘ L-217-1-02 ⓘ L-217-1-03 ⓘ
207-U-L / 207-UB-L 227-U-L / 227-UB-L 2007-U-LS / 2007-UB-LS 2027-U / 2027-UB 2027-UR / 2027-UBR	L-227-1-01 ⓘ L-227-1-02 ⓘ L-227-1-03 ⓘ 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 2013-U / 2013-UB 2013-UR / 2013-UBR	L-213-2-01 ⓘ L-213-2-02 ⓘ
202-U-L / 202-UB-L 217-U-L / 217-UB-L 2002-U-LS / 2002-UB-LS 2017-U / 2017-UB 2017-UR / 2017-UBR	L-217-2-01 ⓘ L-217-2-02 ⓘ
207-U-L / 207-UB-L 227-U-L / 227-UB-L 2007-U-LS / 2007-UB-LS 2027-U / 2027-UB 2027-UR / 2027-UBR	L-227-2-01 ⓘ L-227-2-02 ⓘ

ⓘ 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 2013-U / 2013-UB 2013-UR / 2013-UBR	L-213-3-01 ⓘ
202-U-L / 202-UB-L 217-U-L / 217-UB-L 2002-U-LS / 2002-UB-LS 2017-U / 2017-UB 2017-UR / 2017-UBR	L-217-3-01 ⓘ
207-U-L / 207-UB-L 227-U-L / 227-UB-L 2007-U-LS / 2007-UB-LS 2027-U / 2027-UB 2027-UR / 2027-UBR	L-227-3-01 ⓘ

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

Arm Extension:



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

ⓘ 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 washers
- 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

812, 802, 807

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pages on products

Pneumatic Toggle Clamps

812 Series

812-U



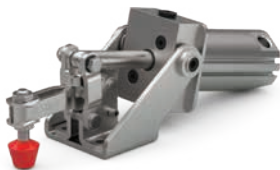
High temperature version
available upon request. Add **-HT**

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

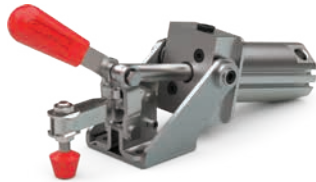
Model	Maximum Holding Capacity		Maximum Exerting Force @ 5bar [72PSI]		Accessories (Supplied)	
	Inner	Outer	Inner	Outer	Spindle Accessory	Flanged Washers
812-U	[100 lbf] 440 N	[55 lbf] 245 N	[136 lbf] 613 N	[92 lbf] 413 N	305208-M	102111

802 Series

802-U
802-UE



802-UH
802-UHE



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

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]	[110 lbf]	[200 lbf]	[110 lbf]	202208-M	215105
802-UE	890 N	490 N	890 N	490 N		
802-UHE						

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



807-UH
807-UHE



807-S
807-SE



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

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

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]	[275 lbf]	[576 lbf]	[297 lbf]	2007208-M	507107	--
807-UE	1670 N	1220 N	2573 N	1327 N			
807-UHE							
807-S	[500 lbf]	[260 lbf]	[540 lbf]	[180 lbf]	--	--	207105
807-SE	2220 N	1160 N	2412 N	804 N			

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

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810, 846, 8007

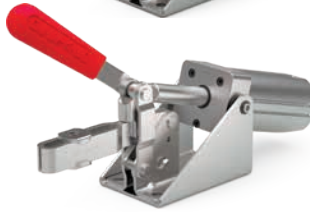
Pneumatic Toggle Clamps

810 Series

810-U
810-UE



810-UH
810-UHE



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			235106	--
810-UE				[407 lbf] 1823 N	240208-M		
810-UHE							
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

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pages on products

Pneumatic Toggle Clamps

847 Series



847-U



847-S



Model	Maximum Holding Capacity		Max. Exerting Force @ 5 bar [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	Item Number
Round Reed Switch with Quick Disconnect	810169
T-slot Reed Switch with Quick Disconnect	8EA-109-1
Quick Disconnect 2M Extension Cable	CABL-010
Quick Disconnect 5M Extension Cable	CABL-013

858 Series



858
858-E



Model	Maximum Holding Capacity		Max. Exerting Force @ 5 bar [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	Item Number
Round Reed Switch with Quick Disconnect	810169
T-slot Reed Switch with Quick Disconnect	8EA-109-1
Quick Disconnect 2M Extension Cable	CABL-010
Quick Disconnect 5M Extension Cable	CABL-013

8021, 8071 Series



8021 ⓘ
8021-UE ⓘ



8071
8071-UE



Model	Maximum Holding Capacity		Max. Exerting Force @ 5 bar [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	Item Number
Round Reed Switch with Quick Disconnect	810169
T-slot Reed Switch with Quick Disconnect	8EA-109-1
Quick Disconnect 2M Extension Cable	CABL-010
Quick Disconnect 5M Extension Cable	CABL-013

ⓘ This item is available upon request.

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 @ 5 bar [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 @ 5 bar [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	Max. Holding Capacity	Max. Exerting Force @ 5 bar [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

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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	Item Number
Round Reed Switch with Qk Disconnect	810169
T-slot Reed Switch with Qk Disconnect	8EA-109-1
Quick Disconnect 2M Extension Cable	CABL-010
Quick Disconnect 5M Extension Cable	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	Item Number
Round Reed Switch with Quick Disconnect	810169
T-slot Reed Switch with Quick Disconnect	8EA-109-1
Quick Disconnect 2M Extension Cable	CABL-010
Quick Disconnect 5M Extension Cable	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

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

Sensor Accessories	Item Number
Round Reed Switch with Quick Disconnect	810169
T-slot Reed Switch with Quick Disconnect	8EA-109-1
Quick Disconnect 2M Extension Cable	CABL-010
Quick Disconnect 5M Extension Cable	CABL-013

ⓘ This item is available upon request.

8051, 8331 Series

Pneumatic Pull Action Latch Clamps

8051 8051-H 8331 8331-H
8051-E 8051-EH 8331-E 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

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8700, 8700

Pneumatic Link/Lever Clamps



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

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	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].



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89R, 89B

Pneumatic Swing Clamps

89R Series

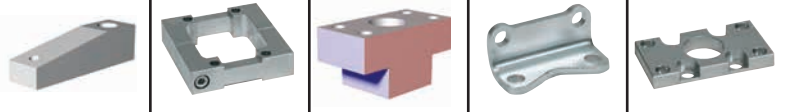


Model	Swing Direction*	Clamping Force† [lbf]N	Replacement Seal Kit	Clamp Arm	Body Mount Flanges	Clamp Arm Adapter	Mounting Feet	End Mount Flanges
89R20-010-2	LH, RH	[18] 80	89R20-00	8JG-215-1	8MA-092-1	8MA-084-1	8MW-018-1	8MA-061-1
89R32-010-2	LH, RH, STRT	[55] 245	89R32-00	8JG-217-1	8MA-094-1	8MA-086-1	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**RA**.



8100, 8300, 89E

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]	801560	801528	801532
8116	LH	110		801529	
8315	RH	[89]	821560	821512	821556
8316	LH	400		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.


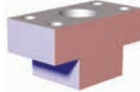




89E Series



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

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

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8000, 8200, 8400, 035

Pneumatic Swing Clamps




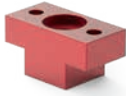

8000, 8200, 8400 Series



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



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

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



035-2



SENSOR ACCESSORIES

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for Pneumatic Swing and Toggle Clamps

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.]

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6002-SW, 6004-SW

Manual Swing Clamps



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

6002-SW Series

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

6002-SWL
Clamp Arm
Swing Left



6002-SWR
Clamp Arm
Swing Right



Shown in open (un-clamp) position.

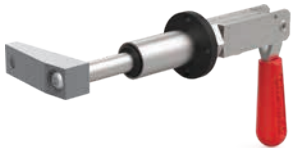
Model	Swing Direction	Total Stroke [in] mm	Stroke During Rotation [in] mm	Stroke Straight Pull [in] mm	Weight [lb] Kg
6002-SWL	LH	[0.75] 19.1	[0.53] 13.5	[0.22] 5.6	[0.95] 0.43
6002-SWR	RH				

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

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Pneumatic Power Cylinders

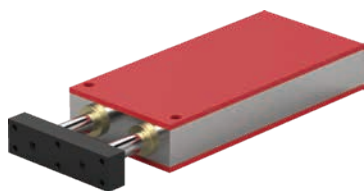


Model	Piston force within forward stroke at 6 bar kN [lbf]	Clamping force within power stroke at 6 bar kN [lbf]	(P) Power stroke mm [in]
K400	0,68 [153]	4 [900]	6 [0.24]
K600	1,06 [238]	6 [1350]	6 [0.24]
K1000	1,75 [393]	10 [2250]	7* [0.27]
K3000	3 [674]	30 [6700]	6* [0.24]
K4500	4,2 [944]	45 [10120]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



K AND WK SENSOR OPTIONS

Pneumatic Power Cylinders



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

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)

010, 020

Hydraulic Power Clamps

Hydraulic Threaded Body Cylinders

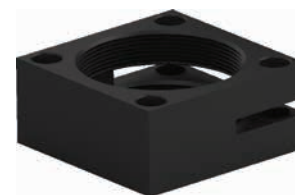
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Model no.	Threaded Body	Stroke	Force at 3,000 PSIG	Jam Nuts
010-210-400	1/2-20	0.22	277 lbs.	Furnished
010-210-501	3/4-16	0.31	588 lbs.	Furnished
010-210-702	1-12	0.50	1,326 lbs.	Furnished
010-211-002	1 5/16-16	0.50	2,355 lbs.	Optional
010-211-004	1 5/16-16	1.00	2,355 lbs.	Optional
010-211-502	1 7/8-16	0.50	5,301 lbs.	Optional
010-211-504	1 7/8-16	1.00	5,301 lbs.	Optional
010-212-004	2 1/2-16	1.00	9,423 lbs.	Optional

Series 051 Jam Nut

Series 052 Flange Mount



Model no.	Ø
051-112-160	1 1/8-16 UN 2B
051-131-160	1 5/16-16 UN 2B
051-137-180	1 3/8-16 UN 2B
051-187-160	1 7/8-16 UN 2B
051-250-160	2 1/2-16 UN 2B

Model no.	Ø
052-112-160	1 1/8-16 UN 2B
052-131-160	1 5/16-16 UN 2B
052-137-180	1 3/8-16 UN 2B
052-187-160	1 7/8-16 UN 2B
052-250-160	2 1/2-16 UN 2B

Thru-Hole Hydraulic Ram



Model no.	RAM I.D.*	Stroke	Force at 3,000 PSIG
020-011-011DE	0.38	0.38	4,380 lbs.
020-012-021DE	0.50	0.50	8,100 lbs.
020-013-031DE	0.63	0.63	12,066 lbs.



* Clearance for rod or bolt of given dimension.
Maximum input pressure 3,500 PSIG.

RAM no.	Thru-Hole Insert (supplied)
020-011-011DE	705384
020-012-021DE	705512
020-013-031DE	705634

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030, 039

Hydraulic Power Clamps

Hydraulic Swing/Pull Clamps



030-1 - **S** - **475** - **R**

Base Model	Description	Operation	Description	Clamping Force	Description	Swing Direction	Description
030-1	Hydraulic Swing/ Pull Clamps	S	Single acting	475	215kg [475lbf]	"Blank"	Left CCW (standard)
		D	Double acting	1100	453kg [1000lbf]	R	Right CW
				2400	1089kg [2400lbf]		
				4000	1814kg [4000lbf]		



Model no.	Total Stroke	Clamping Stroke	Clamp Arms No.	for Clamping Forces	Length
030-1-S-475 ⓘ	0.65	0.210	031-S-475	215-1814kg [475-2400lbf]	1.929
030-1-D-475 ⓘ		0.32	031-L-475		3.959
030-1-S-1000 ⓘ	0.89	0.39	031-S-1100		2.598
030-1-D-1000 ⓘ			031-L-1100		6.019
030-1-S-2400 ⓘ	1.12	0.5	031-S-2400		3.268
030-1-D-2400 ⓘ			031-L-2400		7.226
030-1-S-4000 ⓘ	1.07	0.45	031-S-4000	1814kg [4000lbf]	4.17
030-1-D-4000 ⓘ			031-L-4000	8.43	

ⓘ This item is available upon request



Air/Hydraulic Power Boosters



Model no.	Press Ratio	Displacement Per Stroke	Nominal Reservoir Capacity
039-101-000DE	33.87:1	1 cu. in.	10.4 cu. in.
039-104-000DE	32.41:1	4 cu. in.	42 cu. in.



81L

Pneumatic Power Clamps | Miniature

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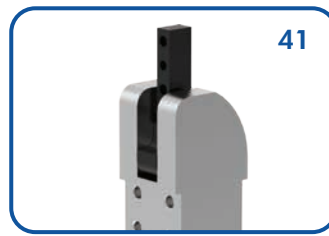
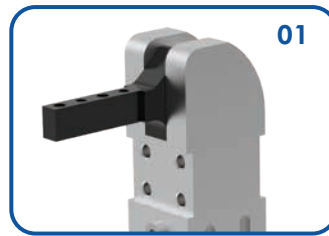
81L 12-1 01 00

Size	Description
12-1	12 mm Cylinder (M5 Port)
16-1	16 mm Cylinder (M5 Port)
20-1	20 mm Cylinder (M5 Port)
25-1	20 mm Cylinder (M5 Port)

Arm Style	Description
01	Clamping arm, horizontal
41	Clamping arm, vertical

See below for further details

Design	Description
00	Standard design



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
81L12-1....	81L12-1-00
81L16-1....	81L16-1-00
81L20-1....	81L20-1-00
81L25-1....	81L20-1-00

Order No.
8EA-109-1
82ZB-004-1

Description (order separately)
Sensor, 3-wire cable, M8x1 connector, 3-pin
Adapter for mounting 81L20-1, 81L25-1 to 25mm dia. bar



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Enclosed Pneumatic Power Clamps | Miniature

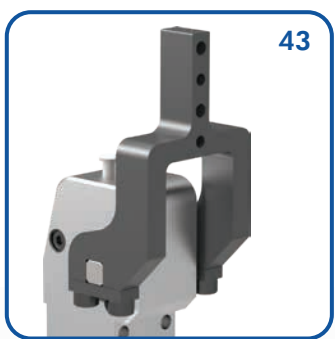
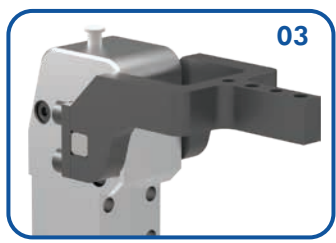
82L **16-4** **03** **0**

Size	Description
12-4	12 mm Cylinder (M5 Port)
16-4	16 mm Cylinder (M5 Port)
20-4	20 mm Cylinder (M5 Port)
25-4	25 mm Cylinder (M5 Port)

Arm Style	Description
00	No clamping arm
03	U-bar, central 90°
43	U-bar, central 180°

See below for further details

Opening Angle	Description
0	105° (Standard)
3	90°
4	75°
5	60°
6	45°
7	30°
8	15°



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

Accessories

Order No.	Description (order separately)
8EA-109-1	Sensor, 3-wire cable, M8x1 connector, 3-pin
8ZZB-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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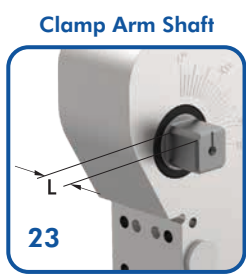
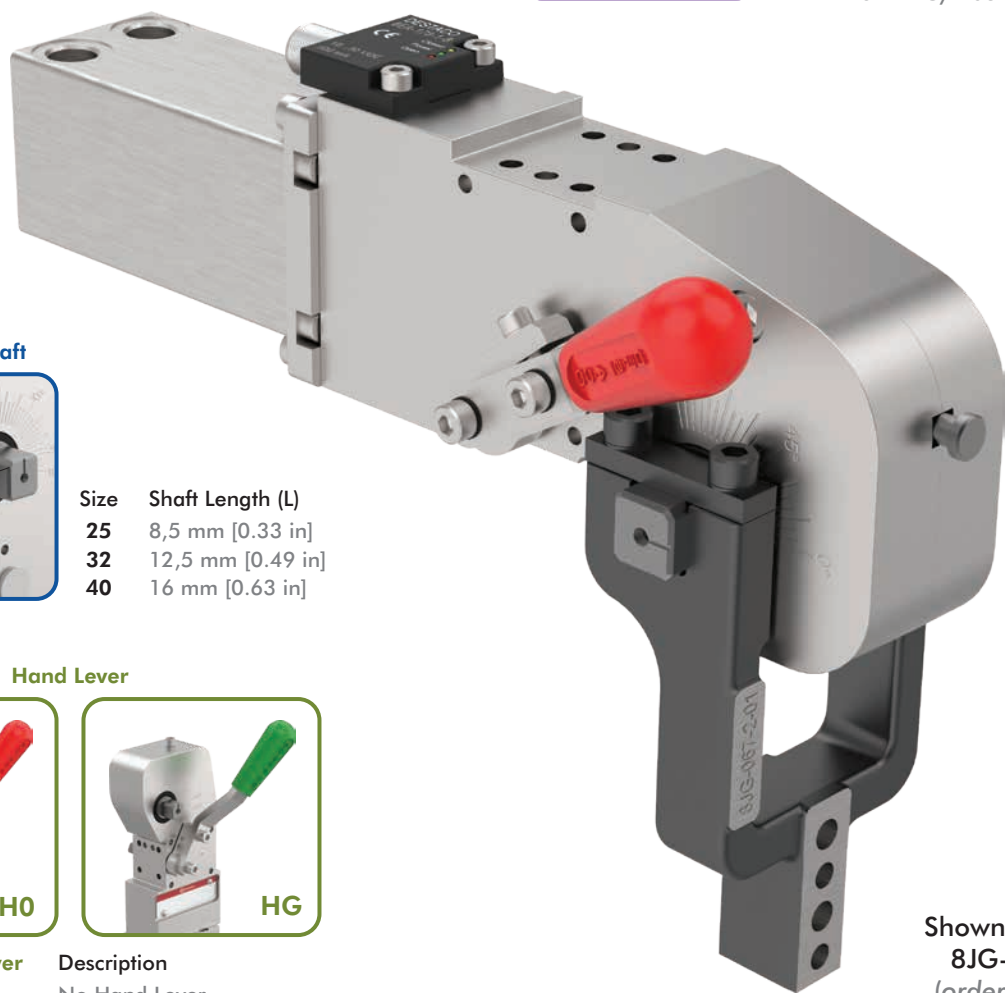
- 82L-3E
- 23
- H0
- 40
- B7

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

Hand Lever Description
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)



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

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

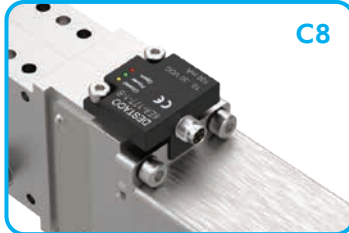


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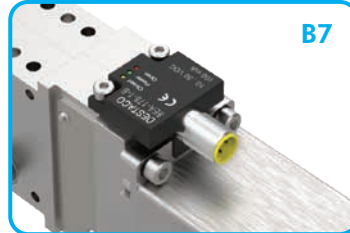
82L-3E

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]

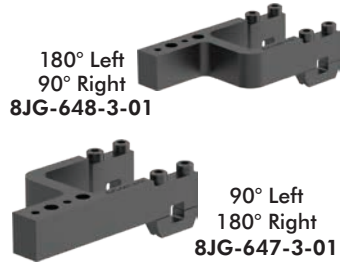
82L-3E ACCESSORIES

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Enclosed Pneumatic Power Clamps | Lightweight Modular

U-Type Offset 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



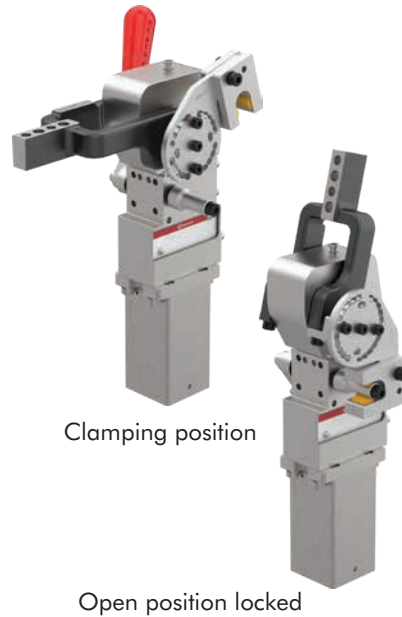
Model	Order No. (1 clamp arm)
82L-3E....3.	8JG-066-1-01
82L-3E....4.	8JG-068-1-01

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



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/180° Right	8JG-647-3-01	--	--						
U-Offset 180° 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		[0.004] 0,1						
	82ZB-SH4002		[0.008] 0,2						
	82ZB-SH4005	[1.65] 42	[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			

TCC-2

Enclosed Pneumatic Power Clamps | Heavy-Duty, Tolerance Compensation

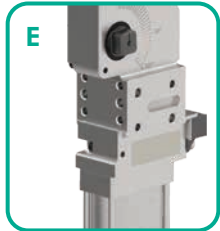
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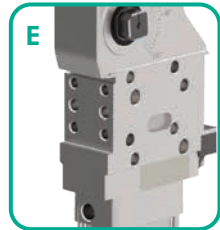
TCC-2 E 03 00 6A L8

Mounting	Description	Clamp Arm Shaft	Description	Handle	Description
E	Standard 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			

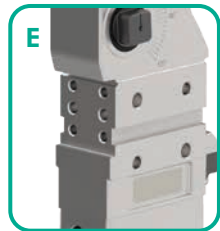
Mounting



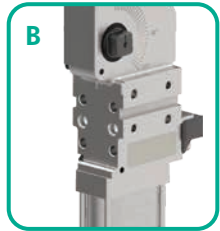
Size 40



Size 50



Size 63



Size 40 Only

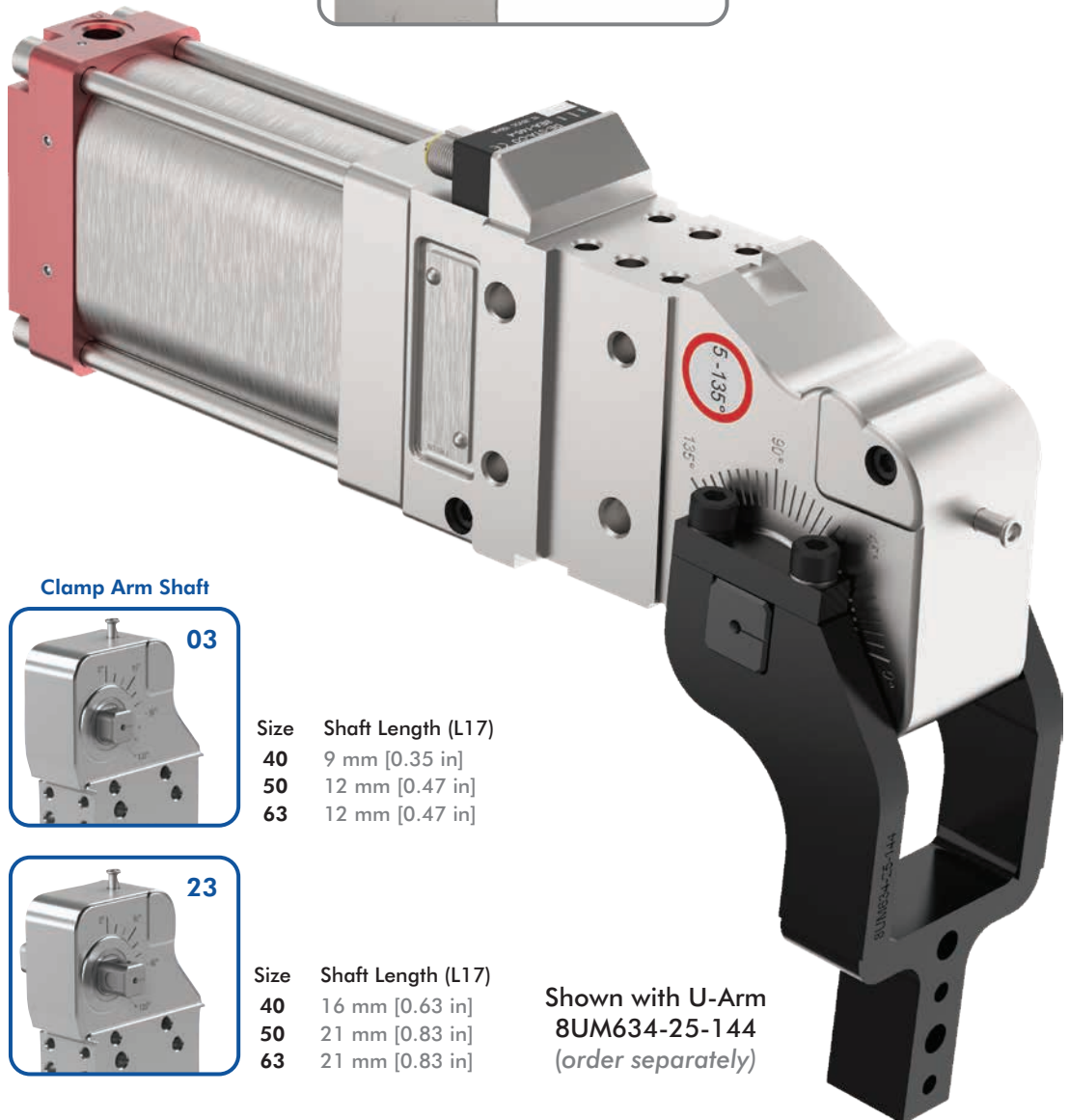


Size 63 Only



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



Clamp Arm Shaft



03

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



23

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

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



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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)

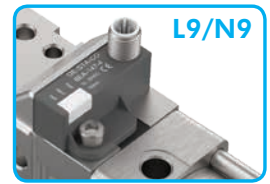
*Not available for use with 4V, 5V, 6V cylinder option.
See page 29 for replacement sensor kits and components.

Sensor Cables Order separately

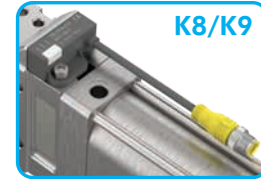
Order No.	Description
8EL-002-1	M12x1, Straight, 5-pin Connector with 5 m [16 ft] Cable
8EL-003-1	M12x1, Angular, 4-pin Connector with 5 m [16 ft] Cable



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)



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]

82M-3

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82M-3 **E** **23** **H0** **50** **L8**

Mounting	Description
E	Standard 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)

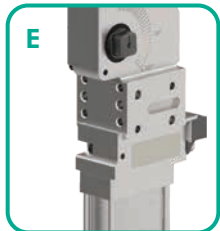
Handle	Description
00	No Hand lever
H0	Hand Lever
HS	Weldable

See below for further details

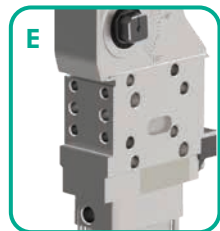
See below for further details

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

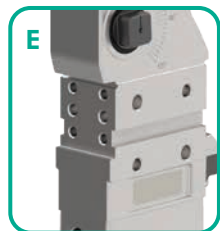
Mounting



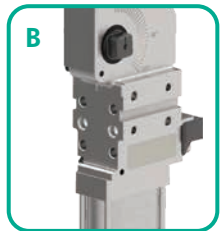
Size 40



Size 50



Size 63



Size 40 Only



Size 63 Only

Clamp Arm Shaft



03

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



13

Size	Shaft Length
40	9 mm [0.35 in]



23/D0

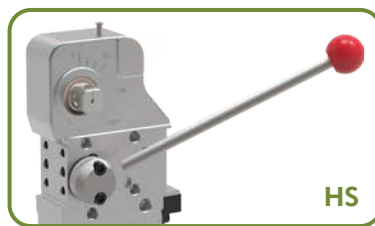
Size	Shaft Length (L17)
40	16 mm [0.63 in]
50	21 mm [0.83 in]
63	21 mm [0.83 in]
80	32 mm [1.26 in]

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

Hand Lever



H0



HS

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

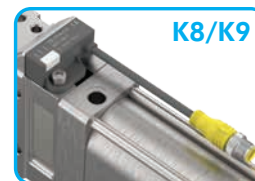
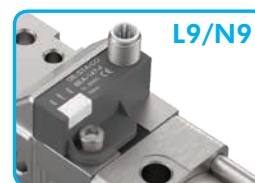
Enclosed Pneumatic Power Clamps | Heavy-Duty Modular

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



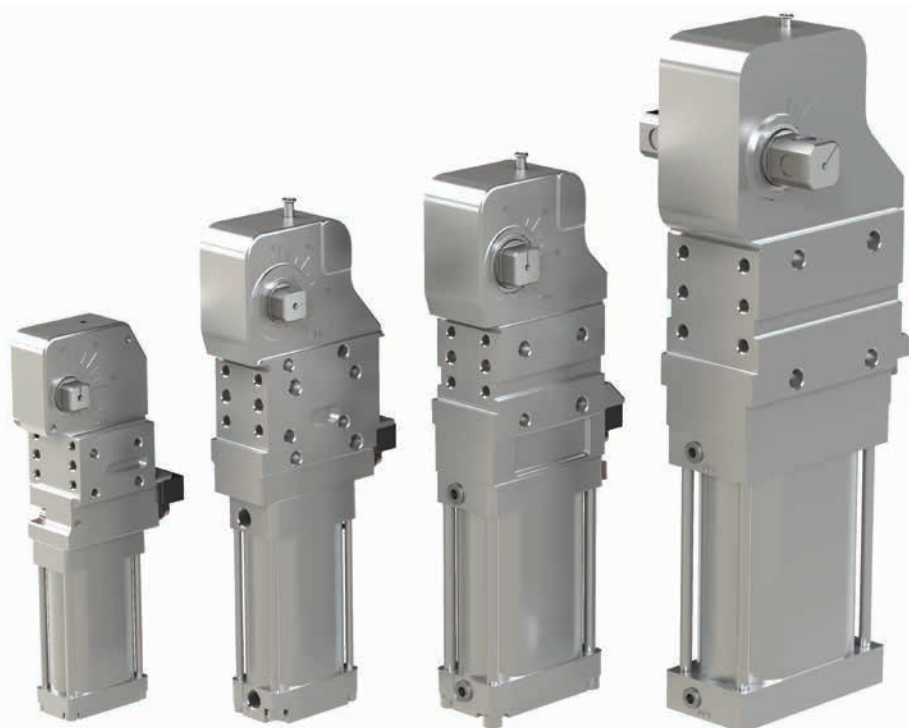
Cylinder - Standard

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)



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]

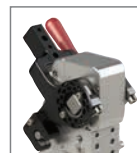
63

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]

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-Raming 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..

52H-3

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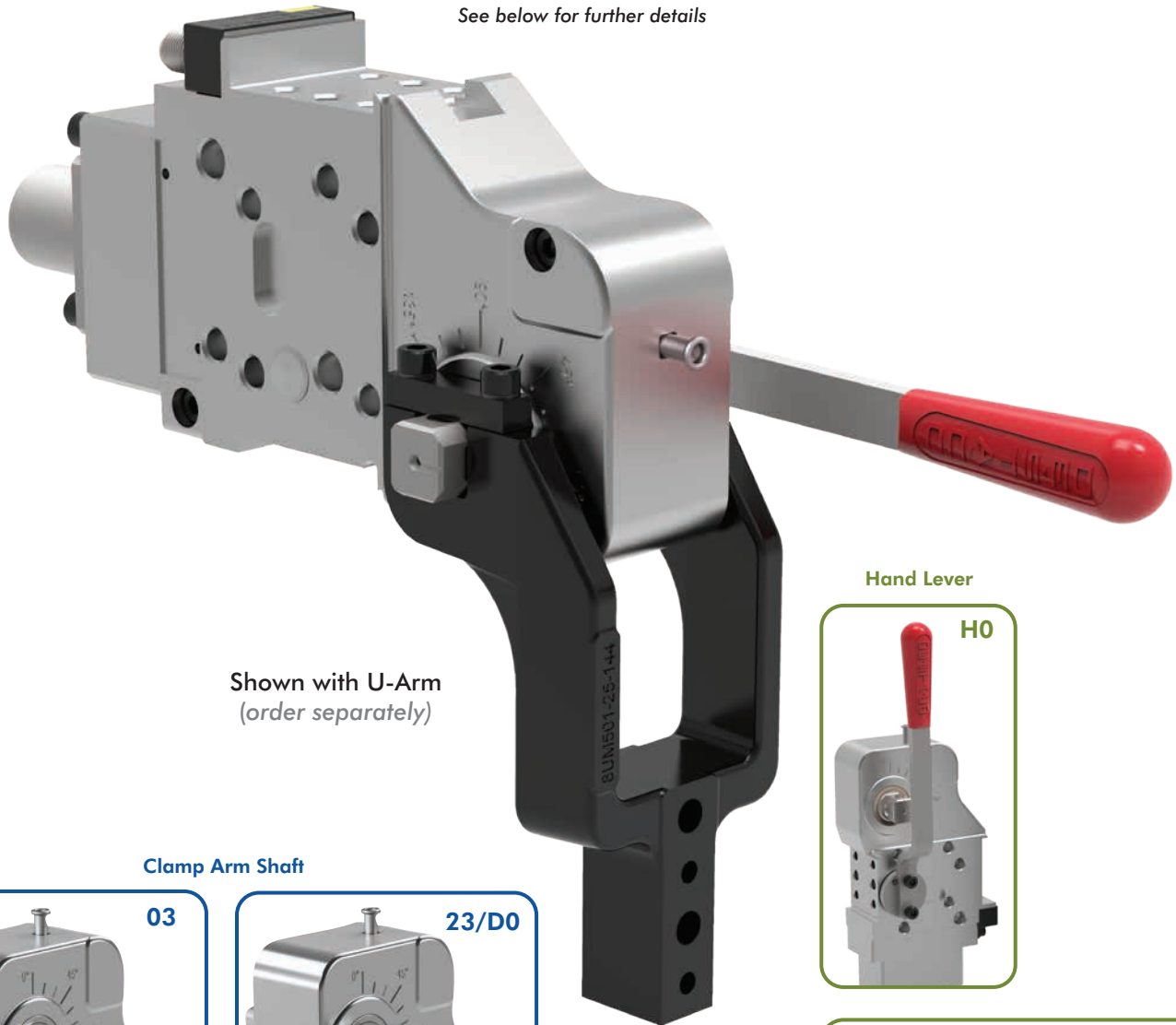
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52H-3 **E** **23** **H0** **50** **L8**

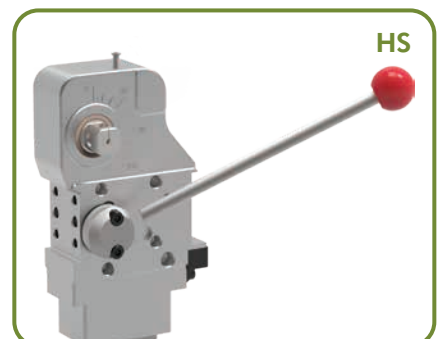
Mounting	Description	Clamp Arm Shaft	Description	Handle	Description
E	Standard	03	for U-Arms	H0	Hand lever
N	NAAMS (Size 63 only)	23	for Lateral Arms	HS	Hand Lever (Weldable)
		D0	for Lateral Arms (size 63 only)		

See below for further details



Shown with U-Arm
(order separately)

Hand Lever



Clamp Arm Shaft



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

23
Size **Shaft Length (L17)**
50 21 mm [0.83 in]
63 21 mm [0.83 in]

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



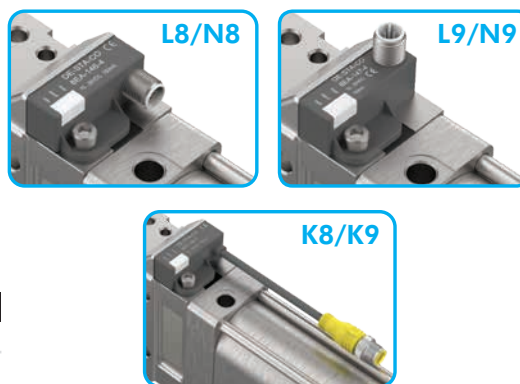
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Enclosed Modular Manual Power Clamps | Heavy-Duty

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.

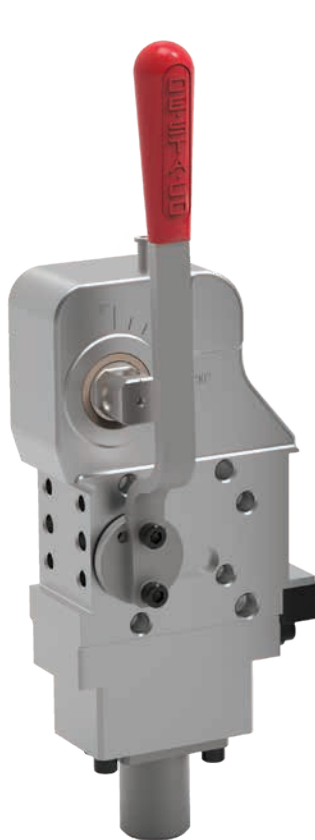
Order No.	Description
8EL-002-1	M12x1, Straight, 5-pin Connector with 5 m [16 ft] Cable
8EL-003-1	M12x1, Angular, 4-pin Connector with 5 m [16 ft] Cable



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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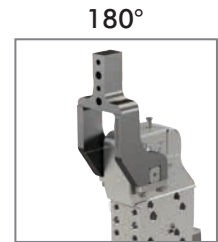


U-Arms Center (Aluminum)

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°							



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*		135°

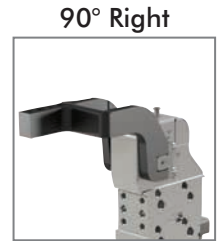
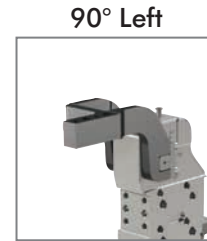


* only steel version available.

U-Arms Offset (Aluminum)

(•) = L for Left, R for Right

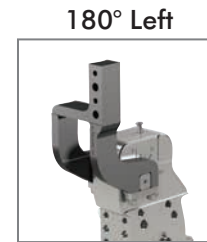
Fits 82M-3E....40..	Max. Opening		Fits 82M-3....5... and 52H-3E....5...	Max. Opening	
	for 90°	for 180°		for 90°	for 180°
8U(•)404-00-117		105°	8U(•)504-15-144		105°
8U(•)404-15-117	135°	120°	8U(•)504-25-144	135°	120°
8U(•)404-25-117		135°	8U(•)504-45-144		135°
8U(•)404-45-107	130°				



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

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*					



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

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

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

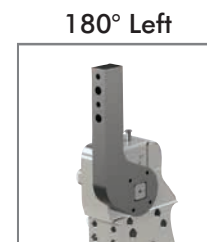
* only steel version available.

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					



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 Offset	▲ • 3256	B8JG-3256-1
25 Offset	▲ • 3246	B8JG-3246-1
0 Offset	▲ • 3236	B8JG-3236-1

120mm [4.72"] Arm Length

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

150mm [5.90"] Arm Length

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

11mm Thru Hole (8.00 F7 Dowel)

90mm [3.54"] Arm Length

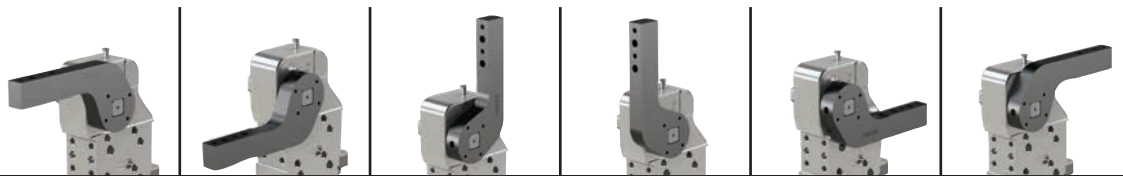
Series	Arm Style	Model
50 Offset	▲ • 1226	B8JG-1226-1
25 Offset	▲ • 1216	B8JG-1216-1
0 Offset	▲ • 1206	B8JG-1206-1

120mm [4.72"] Arm Length

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

150mm [5.90"] Arm Length

Series	Arm Style	Model
50 Offset	▲ • 1228	B8JG-1228-1
25 Offset	▲ • 1218	B8JG-1218-1
0 Offset	▲ • 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 Offset	▲ 1543	B8JG-1543-1
70 Offset	▲ 1531	B8JG-1531-1
25 Offset	▲ 1519	B8JG-1519-1
0 Offset	▲ 1507	B8JG-1507-1

165mm [6.50"] Arm Length

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

195mm [7.68"] Arm Length

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

225mm [8.86"] Arm Length

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

255mm [10.04"] Arm Length

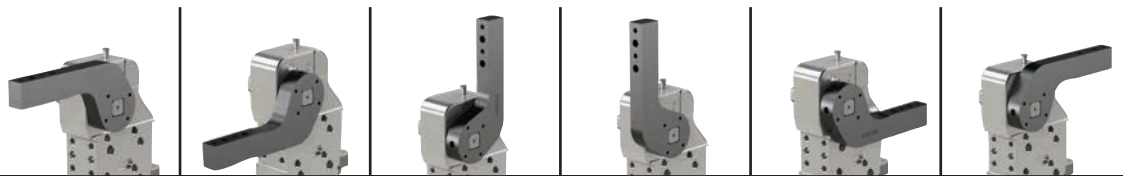
Series	Arm Style	Model
120 Offset	▲ 1547	B8JG-1547-1
70 Offset	▲ 1535	B8JG-1535-1
25 Offset	▲ 1523	B8JG-1523-1
0 Offset	▲ 1511	B8JG-1511-1

285mm [11.22"] Arm Length

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

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Enclosed Modular Manual and Power Clamps

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 Offset	▲ • 1043	B8JG-1043-1	120 Offset	▲ ⓘ 1044	B8JG-1044-1	120 Offset	▲ ⓘ 1045	B8JG-1045-1
70 Offset	▲ • 1031	B8JG-1031-1	70 Offset	▲ • 1032	B8JG-1032-1	70 Offset	▲ • 1033	B8JG-1033-1
25 Offset	▲ • 1019	B8JG-1019-1	25 Offset	▲ • 1020	B8JG-1020-1	25 Offset	▲ ⓘ 1021	B8JG-1021-1
0 Offset	▲ • 1007	B8JG-1007-1	0 Offset	▲ • 1008	B8JG-1008-1	0 Offset	▲ • 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 Offset	▲ ⓘ 1046	B8JG-1046-1	120 Offset	▲ ⓘ 1047	B8JG-1047-1	120 Offset	▲ ⓘ 1048	B8JG-1048-1
70 Offset	▲ • 1034	B8JG-1034-1	70 Offset	▲ • 1035	B8JG-1035-1	70 Offset	▲ ⓘ 1036	B8JG-1036-1
25 Offset	▲ ⓘ 1022	B8JG-1022-1	25 Offset	▲ ⓘ 1023	B8JG-1023-1	25 Offset	▲ ⓘ 1024	B8JG-1024-1
0 Offset	▲ ⓘ 1010	B8JG-1010-1	0 Offset	▲ ⓘ 1011	B8JG-1011-1	0 Offset	▲ ⓘ 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 Offset	▲ ⓘ 1170	B8JG-1170-1	120 Offset	▲ ⓘ 1171	B8JG-1171-1	120 Offset	▲ ⓘ 1172	B8JG-1172-1
70 Offset	▲ • 1150	B8JG-1150-1	70 Offset	▲ ⓘ 1151	B8JG-1151-1	70 Offset	▲ ⓘ 1152	B8JG-1152-1
25 Offset	▲ ⓘ 1130	B8JG-1130-1	25 Offset	▲ ⓘ 1131	B8JG-1131-1	25 Offset	▲ ⓘ 1132	B8JG-1132-1
0 Offset	▲ ⓘ 1110	B8JG-1110-1	0 Offset	▲ ⓘ 1111	B8JG-1111-1	0 Offset	▲ • 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 Offset	▲ ⓘ 1173	B8JG-1173-1	120 Offset	▲ ⓘ 1174	B8JG-1174-1	120 Offset	▲ ⓘ 1175	B8JG-1175-1
70 Offset	▲ ⓘ 1153	B8JG-1153-1	70 Offset	▲ ⓘ 1154	B8JG-1154-1	70 Offset	▲ • 1155	B8JG-1155-1
25 Offset	▲ ⓘ 1133	B8JG-1133-1	25 Offset	▲ • 1134	B8JG-1134-1	25 Offset	▲ ⓘ 1135	B8JG-1135-1
0 Offset	▲ ⓘ 1113	B8JG-1113-1	0 Offset	▲ ⓘ 1114	B8JG-1114-1	0 Offset	▲ ⓘ 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 Offset	▲ ⓘ 1176	B8JG-1176-1	120 Offset	▲ ⓘ 1177	B8JG-1177-1	120 Offset	▲ ⓘ 1178	B8JG-1178-1
70 Offset	▲ ⓘ 1156	B8JG-1156-1	70 Offset	▲ ⓘ 1157	B8JG-1157-1	70 Offset	▲ • 1158	B8JG-1158-1
25 Offset	▲ ⓘ 1136	B8JG-1136-1	25 Offset	▲ ⓘ 1137	B8JG-1137-1	25 Offset	▲ ⓘ 1138	B8JG-1138-1
0 Offset	▲ ⓘ 1116	B8JG-1116-1	0 Offset	▲ ⓘ 1117	B8JG-1117-1	0 Offset	▲ • 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°

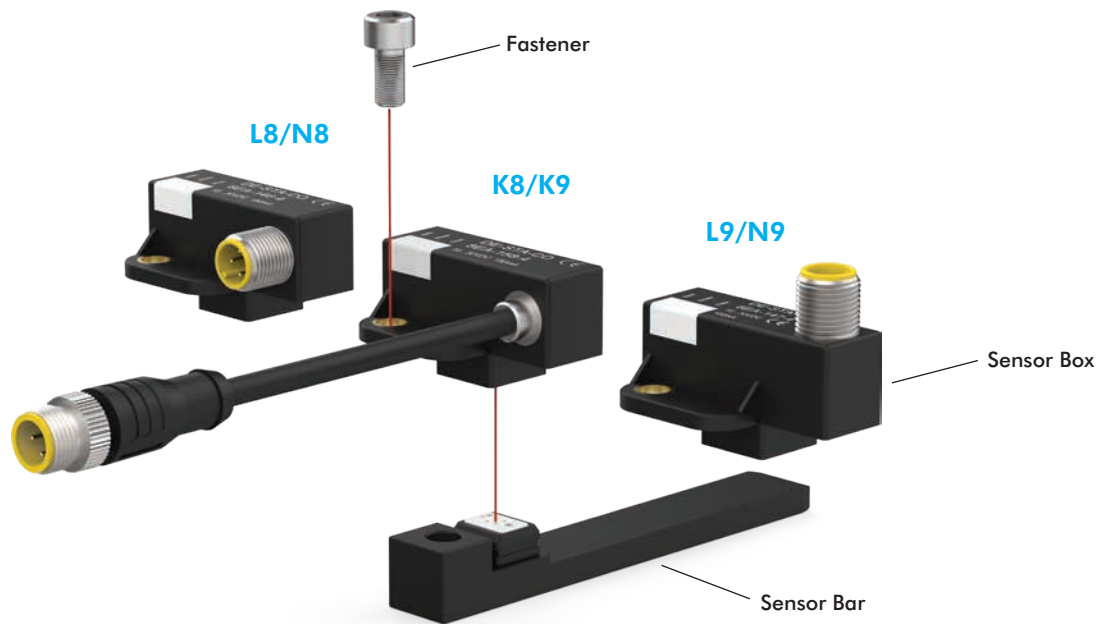
▲ Common in North America

(•) STANDARD ARM OFFERING

ⓘ NON-STANDARD ARM OFFERING (extended leadtimes apply)

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

Replacement Sensor Kits and Components



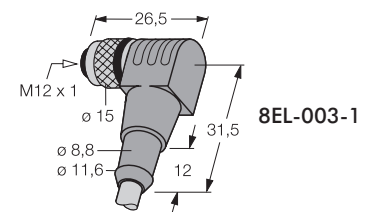
Complete Sensor Kits
(Includes Sensor Box, Sensor Bar, Screw)

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

BIM-IKE-AP

810151

810153

810155

810157

Description (order separately)

Magnetic Sensor, 2 pieces required

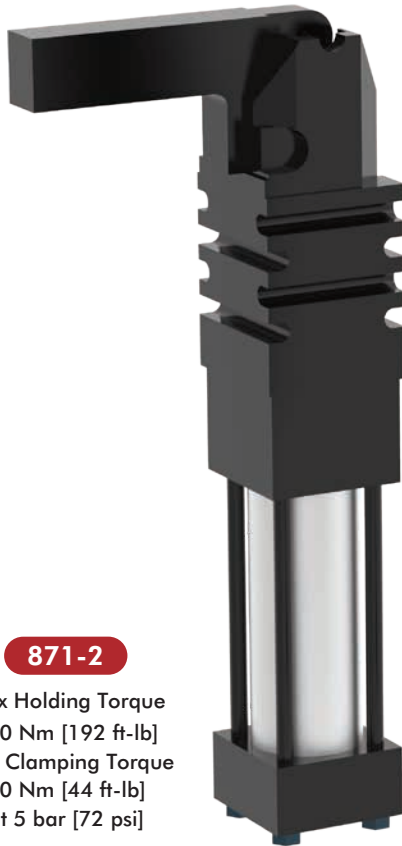
Magnetic Sensor, 2 pieces required

Magnetic Sensor, 2 pieces required

Magnetic Sensor, 2 pieces required

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	10-30 V DC	200 mA	2.3V
810151				Reed	5-120 V AC/DC	500 mA	3.5V
810153			Reed	24-240 V AC	4 A	1.0V	
810155			PNP	6-24 V DC	500 mA	1.0V	
810157			NPN	6-24 V DC	500 mA	1.0V	



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860, 861, 890, 891, 1000, 1001

Pneumatic Power Clamps

860

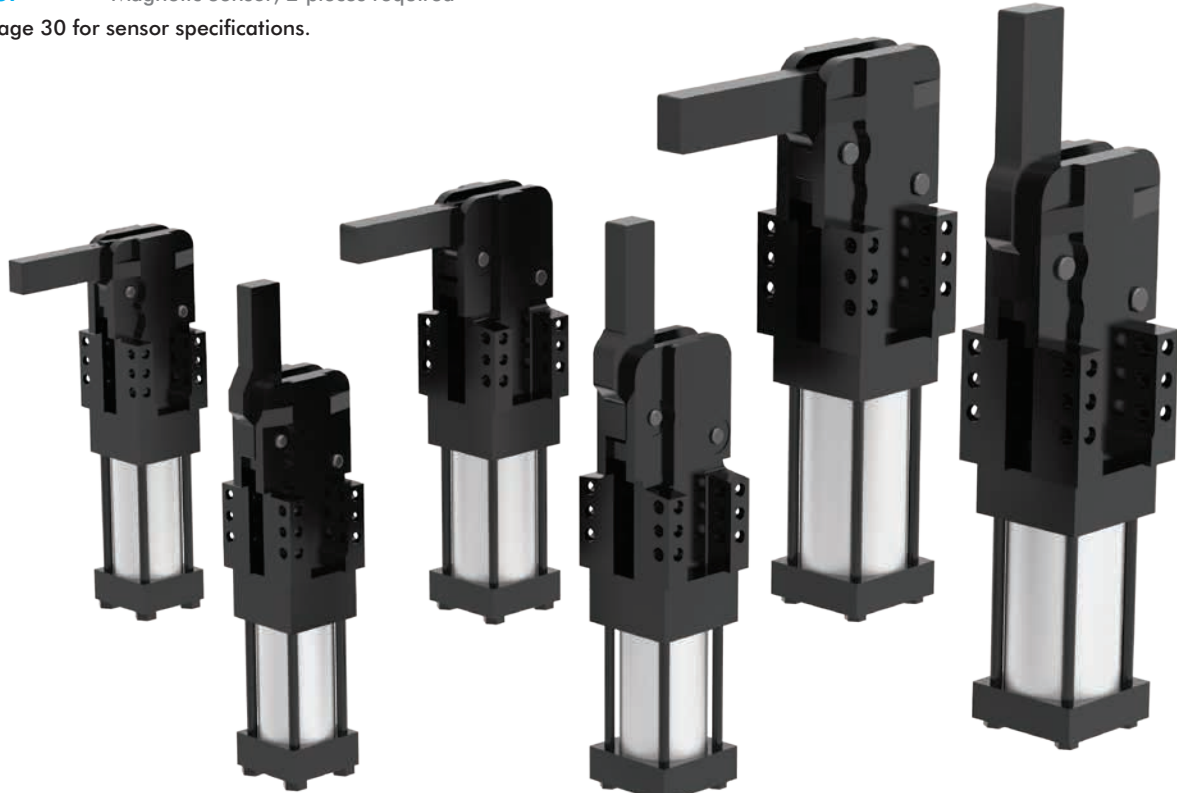
Base Model	Description
860	50,8 mm [2 in.] Cylinder with Vertical Clamp Arm
861	50,8 mm [2 in.] Cylinder with Horizontal Clamp Arm
890	63,5 mm [2.5 in.] Cylinder with Vertical Clamp Arm
891	63,5 mm [2.5 in.] Cylinder with Horizontal Clamp Arm
1000	82,5 mm [3.25 in.] Cylinder with Vertical Clamp Arm
1001	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		Description	
82D40-2	40 mm Cylinder (G1/4 Port)		
82D63-5	63 mm Cylinder (G1/4 Port)		

Clamp Arm Shaft		Description	
23	includes long drive shaft ends on both sides fit for all clamping arms (standard)		

Hand Lever		Description	
0	Hand Lever not available		

Sensor		Description	
C9	includes Sensing System with M12x1 Connector (8EA-024-2) Standard		

Opening Angle		Opening Angle	
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.

Clamp Arms		Description	
B	Base model only. Order clamps arms separately.		

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

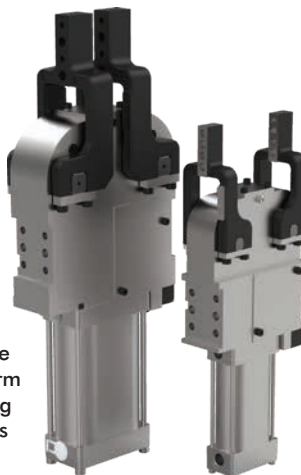
82D63-5		82D40-2	
Max Holding	400 Nm [295 ft-lb]	Max Holding	140 Nm [103 ft-lb]
Max Clamping Torque	120 Nm [88 ft-lb] at 5 bar [72 psi]	Max Clamping Torque	60 Nm [44 ft-lb] at 5 bar [72 psi]

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

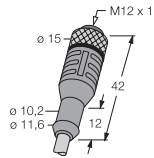


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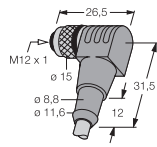
82D ACCESSORIES

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-066-1-01¹⁾	8JG-070-1-01²⁾	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-066-1-01¹⁾	8JG-070-1-01²⁾	you need 4 sets of clamping arms



Connector socket
M12x1 straight, 5-pin



Connector socket
M12x1 angular, 4-pin

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

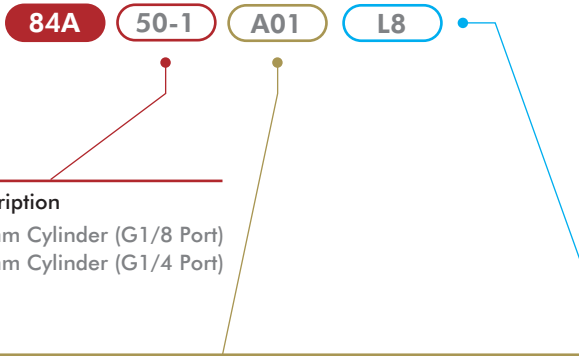
Shim Plates (for clamping arm)	Fit for model 82D40-2								Fit for model 82D63-5									
	Order No.	A1	A2	D2	D3	B9	B10	B12	L10	Order No.	A1	A2	D2	D3	B9	B10	B12	L10
	82ZB-SH4001		0,1							82ZB-SH5001		0,1						
	82ZB-SH4002		0,2							82ZB-SH5002		0,2						
	82ZB-SH4005	42	0,5	6,5	7	6	20	20	12	82ZB-SH5005	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

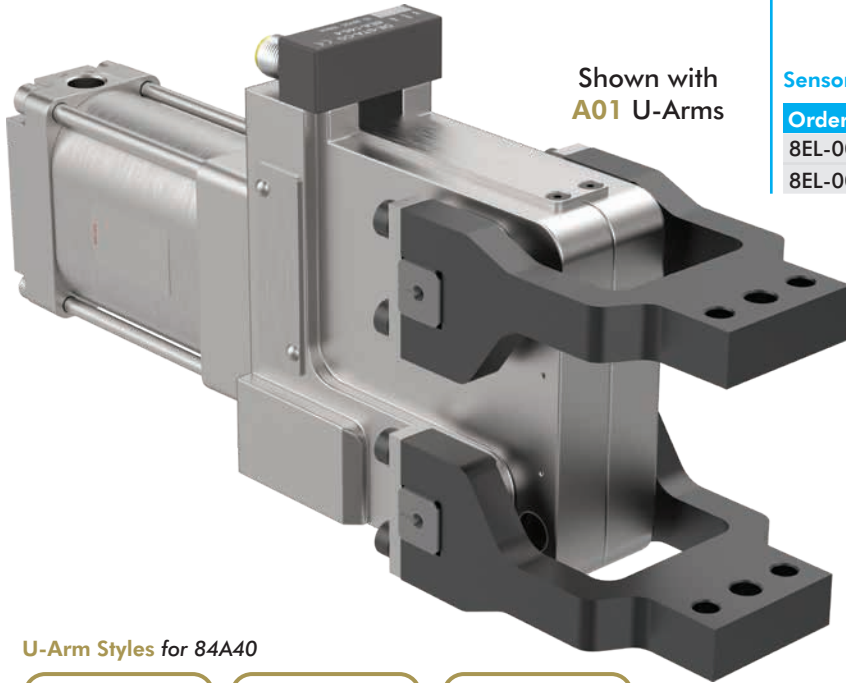
Enclosed Pneumatic Power Clamps | Dual Arm, Tolerance Compensation

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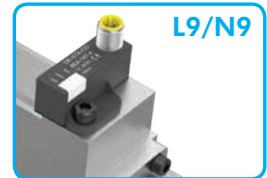
Size	Description
40-1	32 mm Cylinder (G1/8 Port)
50-1	50 mm Cylinder (G1/4 Port)

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 Profile 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)



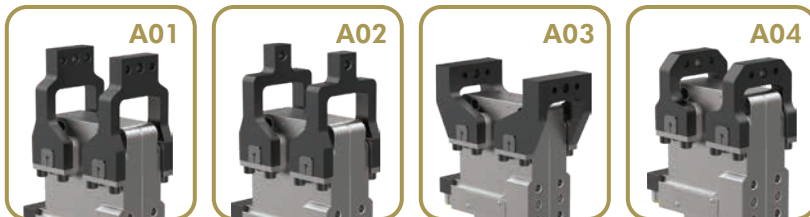
Sensor Cables Order separately

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

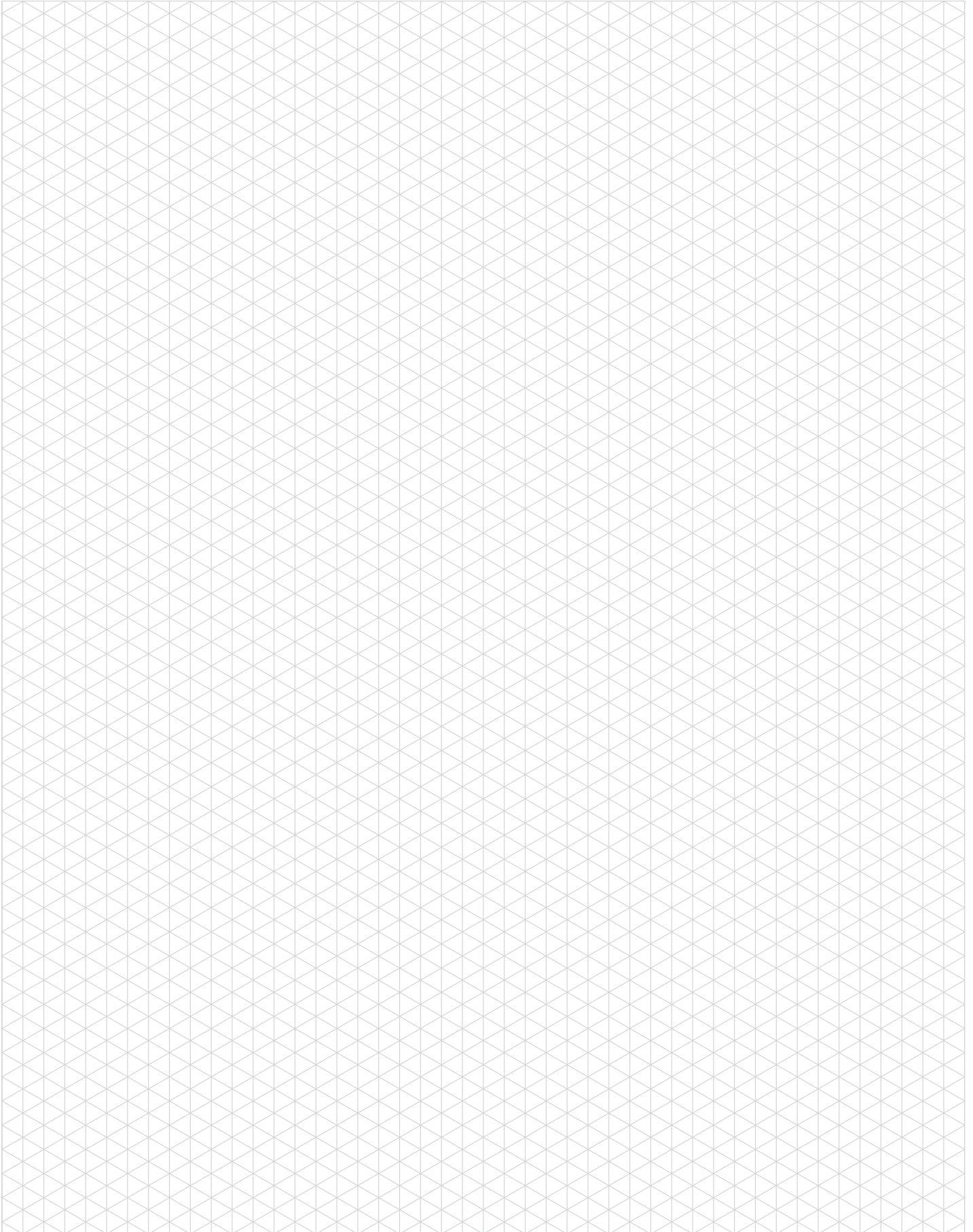


84A40-1

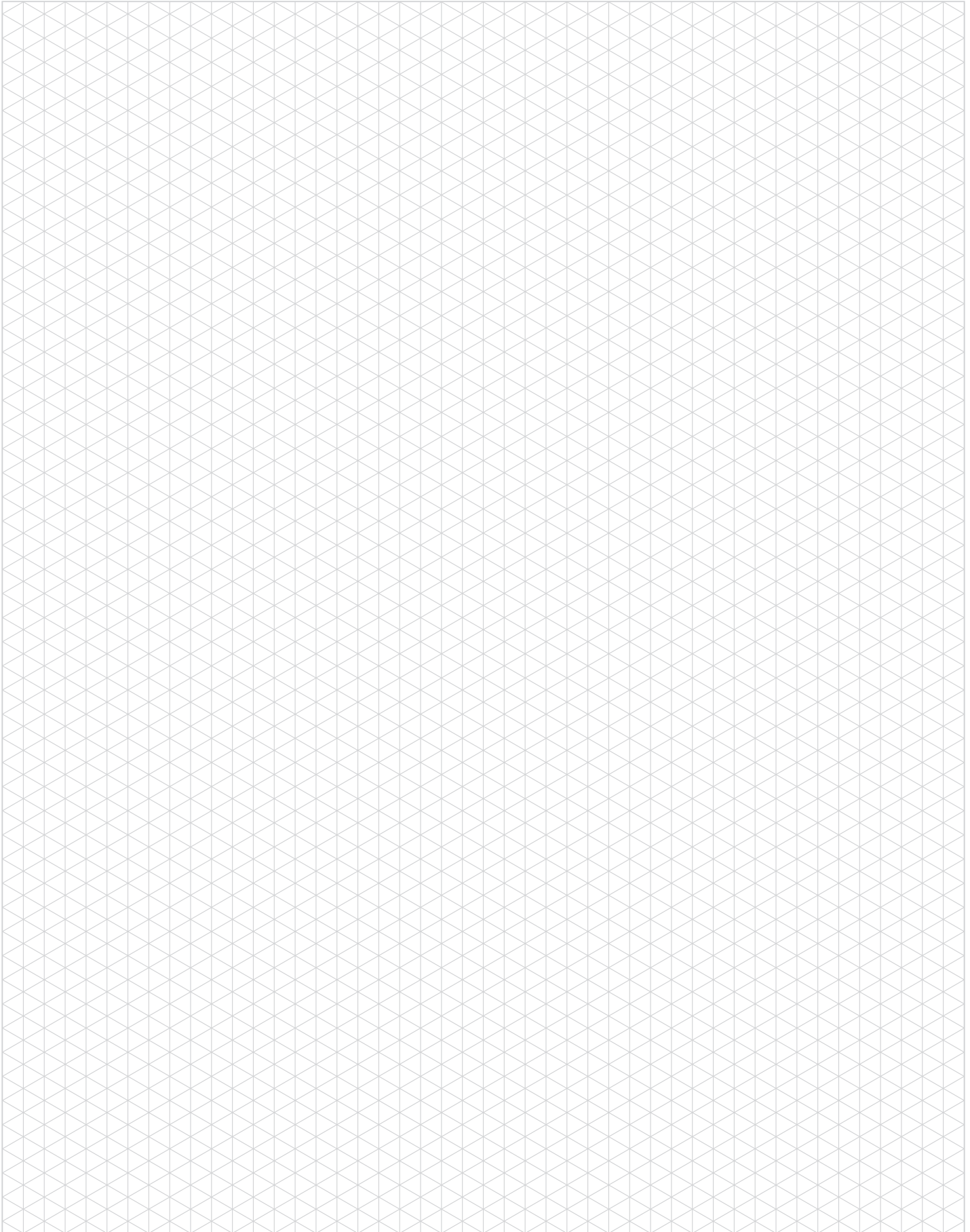
Max Holding/
Clamping Torque
29 Nm [21 ft-lb]
at 5 bar [72 psi]

84A50-1

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



NOTES



OUR PORTFOLIO OF PRODUCTS



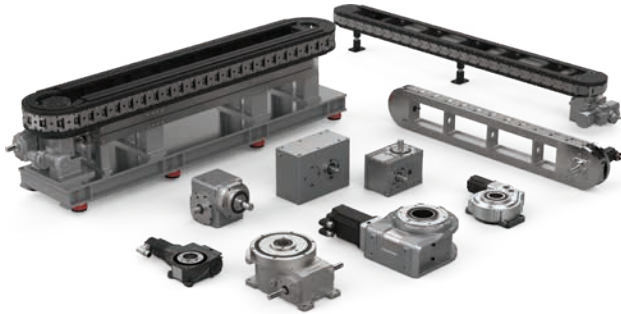
End Effectors (EE)

- Tool Changers
- End-of-Arm Tooling
- Vacuum Products
- Palletizing Solutions



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- Electric Grippers
- Pneumatic and Sheet Metal Grippers
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- Shaft and Flange Indexers
- Part Handlers



Power Clamps (PC)

- Power Clamps
- Pin Clamps and Packages
- Pivot Units
- Power Cylinders



Manual Clamps (MC)

- Hold Down
- Squeeze Action
- Plunger, Hook and Latch
- Pneumatic Toggle and Swing



Sheet Metal Grippers (SM)

- Accelerate® Press Room
- Cam Type
- Toggle Lock

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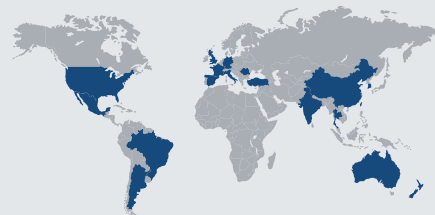
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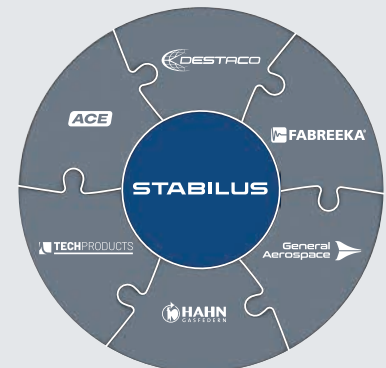
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8K Employees



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