Automating Tomorrow™

DESTACO
a DOVER company

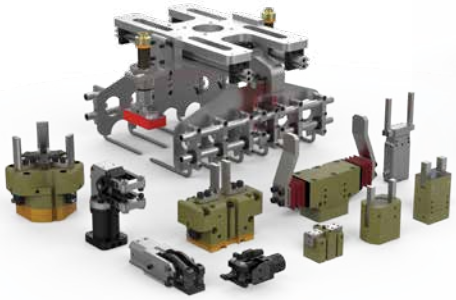
Visual Selection Guide

Clamping Technology | Vol.1: Manual, Pneumatic, Hydraulic

destaco.com

ABOUT DESTACO

Built on a Strong Foundation



Gripping Solutions

Linear Positioning Solutions

Rotary Positioning Solutions

DESTACO
a DOVER company

Clamping Solutions

CRL Central Research Laboratories

CRL Remote Handling Solutions

Robotic Tooling Solutions

Destaco, a Dover 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.

Destaco is part of Dover Corporation, a diversified global manufacturer with annual revenues of $7 billion. The company delivers innovative equipment and components, specialty systems and support services through four major operating segments: Energy, Engineered Systems, Fluids, and Refrigeration & Food Equipment. Headquartered in Downers Grove, IL, (NYSE: DOV)

More information is available at destaco.com and dovercorporation.com

Focusing all our Resources

New Product Development

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

Customer Service and Technical Support

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

Design Tools

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

Our Insight Working for You

Application Engineering

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

Custom Solutions

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

Manual and Pneumatic Toggle Clamps and Swing Clamps

Designed to Hold Securely

Markets

Applications

Pneumatic Power Clamps

Clamp with Confidence

Markets

Applications

MANUAL CLAMPING SOLUTIONS

Table of Contents

CLICK OR SCAN
To view the full PDF catalog on these products

Vertical Hold Down Clamps 22

Horizontal Hold Down Clamps 30

Straight Line Action Clamps 35

Variable Stroke Straight Line Action Clamps 39

Pull Action Latch Clamps 40

Squeeze Action Plier Clamps 43

Accessories 44

Pneumatic Toggle Clamps 48

Pneumatic Swing Clamps 53

Pneumatic Power Cylinders 60

Hydraulic Clamping Technology 62

Pneumatic Power Clamps 64

MAKING OUR PRODUCTS SPECIAL FOR YOU

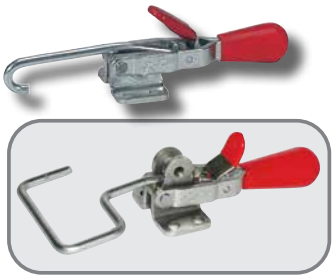
When an off-the-shelf product can't handle it - we can!

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

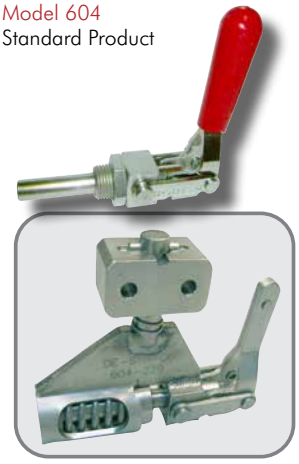


330-201 Stainless steel clamp with special hook and locking tab

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

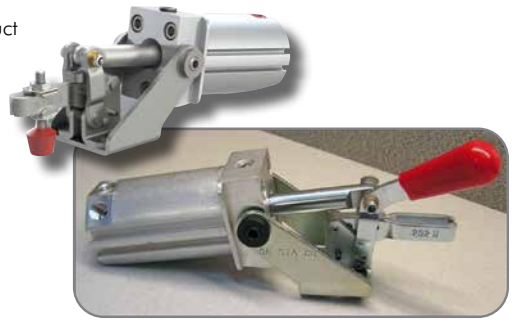
Model 202
Standard Product

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

VERTICAL HOLD DOWN CLAMPS

Sizing and Application Chart

CLICK OR SCAN
To view full PDF catalog pages on these products

2002

2010

5910

528

317

7-101

503

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]	10000+ [2250+]	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 [2.17 to 2.76]	70 to 85 [2.76 to 3.35]	85 to 100 [3.35 to 3.94]	100+ [3.94+]	0 to 50 [0 to 1.97]	50 to 100 [1.97 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 to 275 [9.84 to 10.83]	275+ [10.83+]
2002	22			●					●	●								●	●						
2007	22				●					●	●										●				
2010	23					●					●	●												●	
201	23	●							●								●								
202	24	●							●	●							●	●							
207	25		●	●						●								●			●				
210	26			●	●						●	●							●				●	●	
247	26				●						●	●											●	●	
267	26					●							●												●
5905	26-27				●						●										●				
5910	26-27						●				●													●	
5915	26-27							●				●													●
5105	27				●							●									●				
5110	27					●								●									●		
528	27				●						●											●	●		
548/578	27							●				●												●	
533/535	27					●					●	●	●										●		●
558	28							●						●											●
91090	28		●									●									●				
317	28		●									●						●							
527	28				●						●										●				
7-101	28			●						●									●						
7-58	28			●							●											●			
7-59	28				●							●											●		
7-60	28						●					●												●	
229	28				●						●													●	
501	29			●							●	●					●								
503	29					●							●		●			●	●						
505	29							●						●	●				●	●					
506	29							●							●					●		●			

CLICK OR SCAN
To view full PDF catalog pages on these products

VERTICAL HOLD DOWN CLAMPS

Sizing and Application Chart

Overall Length mm [inch]								Overal 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]	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	Toggle Lock Plus	Accom. Workpiece Variation	U-Bar Version	Solid Arm Version	Straight Base	Flanged Base	Weld-on Mounting	Normal	Harsh/Dirty
	●	●							●					○	◉	◉	●	◉	◉	⊗	○	✓		✓		✓	✓	✓	✓		✓	
		●		●					●	●				○	◉	◉	●	◉	◉	⊗	○	✓		✓		✓	✓	✓	✓		✓	
				●	●				●		●			○	◉	◉	●	◉	◉	⊗	○	✓		✓		✓	✓	✓	✓		✓	
●								●	●					●	◉	◉	⊗	◉	◉	○	●	✓	✓			✓		✓	✓		✓	
●									●			●		●	◉	◉	⊗	◉	◉	○	●	✓	✓			✓	✓	✓	✓		✓	
	●		●						●	●	●			●	◉	◉	●	◉	◉	○	○	✓	✓	✓		✓	✓	✓	✓		✓	
			●	●					●		●		●	○	◉	◉	●	◉	○	○	○	✓	✓	✓		✓	✓	✓	✓		✓	
				●							●			○	◉	◉	●	◉	●	⊗	○	✓				✓	✓	✓	✓		✓	
							●					●		○	◉	◉	●	○	●	⊗	◉	✓				✓			✓		✓	
		●							●					●	◉	◉	○	◉	◉	●	⊗	◉	✓					✓		✓	✓		✓
				●					●					●	◉	◉	○	◉	◉	●	⊗	◉	✓					✓	✓	✓	✓		✓
					●					●				●	◉	◉	○	◉	◉	●	⊗	◉	✓					✓		✓	✓		✓
			●							●				●	◉	◉	○	◉	◉	●	⊗	◉	✓		✓			✓		✓	✓		✓
				●						●				●	◉	◉	○	◉	◉	●	⊗	◉	✓		✓			✓		✓	✓		✓
					●					●				●	◉	◉	○	◉	◉	●	⊗	◉	✓		✓			✓		✓	✓		✓
							●			●				●	◉	◉	●	○	◉	●	⊗	◉	✓					✓		✓	✓		
		●								●				●	◉	◉	●	◉	◉	○	○	✓				✓			✓		✓	
				●					●					●	◉	◉	●	◉	◉	○	○	✓				✓	✓	✓			✓	
							●			●				◉	◉	◉	○	◉	◉	⊗	◉	✓					✓		✓	✓		✓
		●								●				◉	◉	◉	●	◉	◉	⊗	◉	✓			✓		✓		✓	✓		✓
					●					●				◉	◉	◉	⊗	○	◉	⊗	◉	✓			✓		✓		✓	✓		✓
					●					●				◉	◉	◉	⊗	○	◉	⊗	◉	✓			✓		✓		✓	✓		✓
					●					●				◉	◉	◉	⊗	○	◉	⊗	◉	✓			✓		✓		✓	✓		✓
					●									○	◉	◉	●	◉	◉	⊗	○	✓			✓	✓			✓		✓	
●									●					◉	◉	○	●	◉	◉	⊗	◉	✓					✓	✓		✓		✓
	●		●							●				◉	◉	○	○	◉	◉	⊗	◉	✓					✓	✓		✓		✓
		●		●						●				◉	◉	○	○	◉	◉	⊗	◉	✓					✓	✓		✓		✓
			●			●						●		◉	◉	○	○	◉	◉	⊗	◉	✓					✓	✓		✓		✓

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

HORIZONTAL HOLD DOWN CLAMPS

Sizing and Application Chart

CLICK OR SCAN
To view full PDF catalog pages on these products

2017

213

205

305

5310

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	30		●						●						●					
2017	30			●						●						●				
2027	30				●						●						●			
213	30		●						●											
217	31	●	●							●										
227	31			●							●						●			
237	31				●							●						●		
245	32												●							●
205	32	●						●												
215	32		●	●						●					●					
225	33			●							●					●				
235	33				●							●					●			
305	33	●							●						●					
307	33		●							●							●			
309	33				●						●								●	
206	34	●													●					
5305	34			●						●					●					
5310	34						●				●					●				

CLICK OR SCAN
To view full PDF catalog pages on these products

HORIZONTAL HOLD DOWN CLAMPS

Sizing and Application Chart

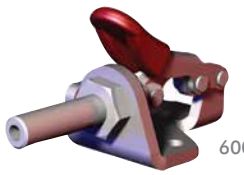
Overall Length mm [inch]									Overal Width mm [inch]				Suitable Application Areas								Standard Material		Arm Style			Mounting Style			Service Environ-ment	
50 to 75 [1.97 to 2.95]	75 to 100 [2.95 to 3.94]	100 to 125 [3.94 to 4.92]	125 to 150 [4.92 to 5.91]	150 to 175 [5.91 to 6.89]	175 to 200 [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	Toggle Lock Plus	U-Bar Version	Solid Arm Version	Straight Base	Flanged Base	Welded	Normal	Harsh/Dirty
			●										○	◎	◎	●	◎	◎	⊗	○	✓		✓	✓			✓		✓	
						●					●		○	◎	◎	●	◎	◎	⊗	○	✓		✓	✓			✓		✓	
								●			●		○	◎	◎	○	◎	◎	⊗	○	✓		✓	✓			✓		✓	
			●							●			○	◎	◎	●	◎	◎	○	○	✓	✓		✓		✓	✓		✓	
					●					●			○	◎	◎	●	◎	◎	○	○	✓	✓		✓		✓	✓		✓	
					●						●		○	◎	◎	●	◎	◎	○	○	✓	✓		✓		✓	✓		✓	
								●				●	○	◎	◎	●	◎	◎	○	○	✓	✓		✓			✓		✓	
								●				●	○	◎	◎	○	◎	○	⊗	○	✓			✓			✓		✓	
●									●				●	◎	◎	●	◎	◎	○	○	✓	✓		✓	✓	✓	✓		✓	
			●							●			○	◎	◎	●	◎	◎	○	○	✓	✓		✓	✓	✓	✓		✓	
				●						●			○	◎	◎	●	◎	◎	○	○	✓	✓		✓		✓	✓		✓	
								●				●	○	◎	◎	●	◎	◎	○	○	✓	✓		✓			✓		✓	
●									●				●	◎	○	●	◎	◎	○	○	✓	✓	✓	✓			✓		✓	
	●										●		○	◎	○	○	◎	◎	○	○	✓		✓	✓			✓		✓	
			●									●	○	◎	○	○	◎	◎	○	○	✓	✓	✓	✓			✓		✓	
●									●				●	◎	○	●	○	◎	○	○		✓		✓			✓			✓
						●							◎	◎	○	●	●	●	⊗	◎	✓		✓			✓		✓	✓	✓
								●				●	◎	◎	○	●	●	●	⊗	◎	✓		✓			✓		✓	✓	✓

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

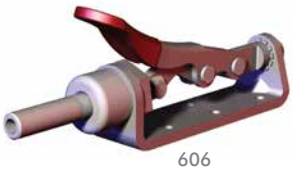
STRAIGHT LINE ACTION CLAMPS

Sizing and Application Chart

CLICK OR SCAN
To view full PDF catalog pages on these products


6001

603


606

607

650

95060

5130

5150

604

614

675

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]	60 to 80 [2.36 to 3.15]	80 to 105 [3.15 to 4.13]
6001	35	●							●				
601	35	●							●				
6015	35			●					●				
603	35			●						●			
608	35				●						●		
605	35		●							●			
606	35		●							●			
607	36				●						●		
609	36		●							●			
610	36				●						●		
615	36		●							●			
620	36			●						●			
630	36							●			●		
640	36							●					●
650	37							●				●	
95030	37			●						●			
95040	37				●					●			
95050	37						●				●		
95060	37						●				●		
5130	37					●					●		
5131	37			●						●			
5133	37				●							●	
5150	37					●				●			
602	38	●							●				
604	38		●							●			
624	38				●							●	
6004	38		●							●			
614	38				●					●			
670	38							●			●		
675	38							●		●			
690	38							●				●	
695	38							●		●			

CLICK OR SCAN
To view full PDF catalog pages on these products

STRAIGHT LINE ACTION CLAMPS

Sizing and Application Chart

Overall Height mm [inch]						Overall Length mm [inch]							Overal Width mm [inch]					Suitable Application Areas							Standard Material			Service Environ-ment	
0 to 40 [0 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 to 120 [3.15 to 4.72]	120 to 140 [4.72 to 5.51]	60 to 80 [2.36 to 3.15]	80 to 120 [2.36 to 4.72]	120 to 160 [4.72 to 6.30]	160 to 200 [6.30 to 7.87]	200 to 240 [7.87 to 9.45]	240 to 280 [9.45 to 11.02]	280+ [11.02+]	0 to 30 [0 to 1.18]	30 to 45 [1.18 to 1.77]	45 to 60 [1.77 to 2.36]	60 to 75 [2.36 to 2.95]	75 to 90 [2.95 to 3.54]	Welding	Assembly	Checking Fixtures	Machining	Woodworking	Food Processing	Duty Cycle	Steel	Stainless Steel	Toggle Lock Plus	Normal	Harsh/Dirty
●						●								●				○	◎	◎	●	◎	○	○	✓	✓		✓	
●						●							●					○	◎	◎	●	◎	○	○	✓	✓		✓	
●						●								●				○	◎	◎	●	◎	○	○	✓	✓	✓	✓	
			●					●							●			◎	◎	◎	●	◎	○	○	✓	✓	✓	✓	
				●				●							●			◎	◎	◎	●	◎	⊗	○	✓			✓	
			●					●							●			●	◎	◎	●	◎	⊗	○	✓			✓	
		●							●				●					●	◎	◎	●	◎	⊗	○	✓			✓	
			●					●							●			◎	◎	◎	●	◎	⊗	○	✓			✓	
			●					●							●			●	◎	◎	●	◎	⊗	○	✓			✓	
				●					●						●			○	◎	◎	●	◎	⊗	○	✓			✓	
	●									●					●			●	◎	◎	●	◎	⊗	○	✓			✓	
	●											●			●			○	◎	◎	●	◎	⊗	○	✓			✓	
			●					●							●			◎	◎	◎	○	◎	⊗	○	✓		✓	✓	
				●								●					●	◎	◎	◎	○	◎	⊗	◎	✓		✓		✓
					●							●					●	◎	◎	◎	○	○	⊗	◎	✓				✓
		●					●							●				◎	◎	○	◎	○	⊗	◎	✓				
		●						●							●			◎	◎	○	◎	○	⊗	◎	✓				✓
			●						●							●		◎	◎	○	◎	○	⊗	◎	✓				✓
				●						●							●	◎	◎	○	◎	○	⊗	◎	✓				✓
			●									●				●		◎	◎	◎	○	○	⊗	◎	✓		✓		✓
			●						●						●			◎	◎	◎	○	○	⊗	◎	✓		✓		✓
				●								●				●		◎	◎	◎	○	○	⊗	◎	✓		✓		✓
				●								●				●		◎	◎	◎	○	○	⊗	◎	✓		✓		✓
		●				●							●					●	◎	◎	●	◎	○	○	✓	✓		✓	
				●			●							●				○	◎	◎	○	◎	○	○	✓	✓		✓	
					●				●						●			○	◎	◎	○	◎	○	○		✓		✓	
				●				●					●					○	◎	◎	○	◎	⊗	○	✓				
									●					●				◎	◎	◎	○	○	⊗	◎	✓			✓	
					●						●			●				◎	◎	◎	○	○	⊗	◎	✓			✓	
					●				●					●				◎	◎	◎	○	○	⊗	◎	✓			✓	
					●							●		●				◎	◎	◎	○	○	⊗	◎	✓			✓	
					●					●				●				◎	◎	◎	○	○	⊗	◎	✓			✓	

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

PULL ACTION LATCH CLAMPS

Sizing and Application Chart

CLICK OR SCAN
To view full PDF catalog pages on these products

3051

371

344

323

301

353

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 [14.97 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	40	●						●					
3051	40				●			●					
330	40	●							●				
351	40	●									●		
371	40		●									●	
381	40			●									●
323	40	●						●					
331	40		●					●					
341	40				●				●				
375	41					●				●			
385	41						●		●				
324	42		●					●					
334	42			●					●				
344	42				●				●				
374	42					●		●					
301	42	●									●		
311	42			●						●			
3011	42				●					●			
353	42			●	●	●		●					

CLICK OR SCAN
To view full PDF catalog pages on these products

PULL ACTION LATCH CLAMPS

Sizing and Application Chart

Overall Height mm [inch]						Overall Length mm [inch]						Overal Width mm [inch]						Standard Material			Hook Style			Service Environment	
0 to 50 [0 to 1.97]	50 to 75 [14.97 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+]	50 to 100 [1.97 to 3.94]	100 to 150 [3.94 to 5.91]	150 to 200 [5.91 to 7.87]	200 to 250 [5.91 to 9.84]	250 to 300 [5.91 to 11.81]	300 to 350 [11.81 to 13.78]	0 to 40 [0 to 1.57]	40 to 50 [1.57 to 1.97]	50 to 60 [1.97 to 2.36]	60 to 70 [2.36 to 2.76]	70 to 80 [2.76 to 3.15]	80 to 90 [3.15 to 3.54]	Duty Cycle	Steel	Stainless Steel	Toggle Lock Plus™	Fixed	Adjustable U-Hook	Adjustable J-Hook	Normal	Harsh/Dirty
●									●				●					○	✓	✓	✓			✓	✓	
●									●				●					○	✓	✓	✓			✓	✓	
●								●					●					○	✓	✓				✓	✓	
●									●				●					○	✓	✓	✓			✓	✓	
	●										●				●			○	✓	✓	✓			✓	✓	
	●										●						●	○	✓	✓	✓			✓	✓	
●						●						●						○	✓	✓	✓		✓		✓	
●								●					●					○	✓	✓	✓		✓		✓	
	●								●					●				○	✓	✓	✓		✓		✓	
			●							●							●	◎	✓		✓		✓			✓
		●							●								●	◎	✓	✓	✓		✓			✓
		●				●						●						○	✓	✓	✓		✓		✓	
							●					●						○	✓	✓	✓		✓		✓	
							●							●				○	✓	✓	✓		✓		✓	
					●										●			◎	✓		✓		✓			✓
●									●				●					○	✓	✓		✓			✓	
	●								●						●			○	✓			✓			✓	
		●							●						●			◎	✓	✓		✓				✓
	●								●	●				●				◎	✓	✓		✓				✓

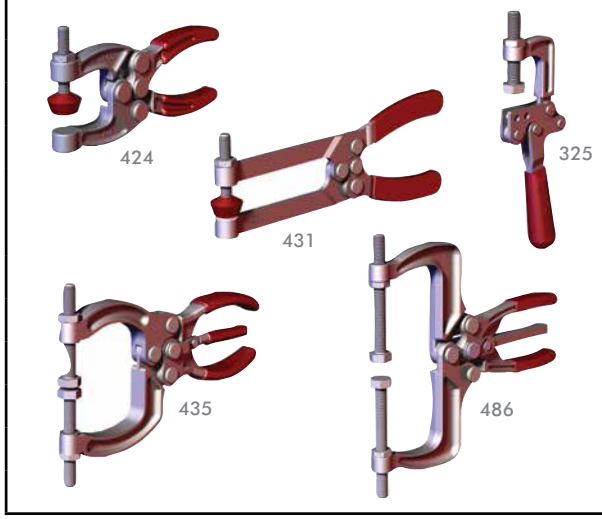
◎ Excellent/High ○ Fair/Medium ● Poor/Low ⊗ Not Recommended

SQUEEZE ACTION PLIER CLAMPS

Sizing and Application Chart

CLICK OR SCAN
To view full PDF catalog pages on these products

Series	Page #	Max. Holding Capacity N [lbf.]						Maximum Clamping Thickness mm [inch]						
		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	43				●						●			
345	43				●									●
426	43	●							●					
441	43		●							●				
431	43	●						●						
425	43			●						●				
435	43			●							●			
462	43				●					●				
463	43				●							●		
482	43						●			●				
484	43						●						●	
486	43					●								●



CLICK OR SCAN
To view full PDF catalog pages on these products

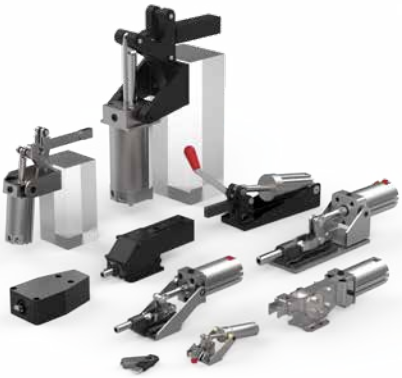
MANUAL CLAMPING ACCESSORIES

See pages 44-46 for more information

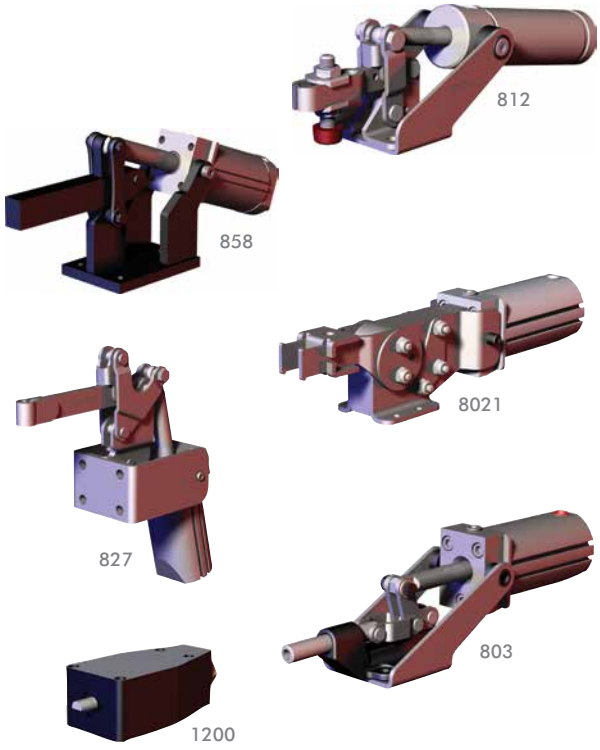
PNEUMATIC TOGGLE CLAMPS

Sizing and Application Chart

CLICK OR SCAN
To view full PDF catalog pages on these products



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	48	●							●						
802	48	●								●					
807	48			●							●				
810	49				●							●			
846	49				●							●			
847	50				●								●		
8007	49				●						●				
858	50							●							●
8021	50		●						●						
8071	50		●								●				
817	51		●							●					
827	51				●						●				
868	51														●
803	52			●							●				
8031	52						●					●			
830	52							●				●			
850	52							●						●	
800	52								●						
1200	52								●						



CLICK OR SCAN
To view full PDF catalog pages on these products

PNEUMATIC TOGGLE CLAMPS

Sizing and Application Chart

Overall Height mm [inch]											Overall Length mm [inch]								Overal Width mm [inch]					Suitable Application Areas						Service Environment	
0 to 50 [0 to 1.97]	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 to 275 [9.84 to 10.83]	275+ [10.83+]	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 to 300 [9.84 to 11.81]	300 to 400 [11.81 to 15.75	400+ [15.75+]	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 to 120 [3.94 to 4.72]	Welding	Assembly	Light Machining	Duty Cycle	Accomodates Workpiece Variation	U-Bar Version	Solid Arm Version	Normal	Harsh/Dirty
●											●								●					●	○	●	●		✓		✓	
	●												●							●					○	○	●	○		✓		✓	
		●													●					●					○	○	○	○		✓	✓	✓	
		●														●					●				○	○	○	○		✓	✓	✓	
		●														●						●			○	○	○	○			✓	✓	
			●															●					●		○	○	○	○			✓	✓	
		●														●					●				○	○	○	○			✓	✓	
						●													●					●	○	○	○	○			✓	✓	
	●															●				●					○	○	○	○		✓			✓
	●															●					●				○	○	○	○		✓			✓
						●						●									●				○	○	○	○		✓	✓	✓	
								●						●						●					○	○	○	○		✓	✓	✓	
										●						●								●	○	○	○	○			✓	✓	
	●															●						●			○	○	○	○				✓	
	●													●								●			○	○	○	○					✓
		●														●						●			○	○	○	○				✓	
							●											●					●		○	○	○	○				✓	
●											●											●			○	○	●	●	✓				✓
	●												●									●			○	○	●	●	✓				✓

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

PNEUMATIC SWING CLAMPS

Sizing and Application Chart

CLICK OR SCAN
To view full PDF catalog pages on these products

Series	Page #	Bore Size mm [in]						Total Stroke mm [in]					Clamp Stroke mm [in]			Clamping Force N [lbf]											
		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 [1.18 to 1.57]	50 to 60 [1.18 to 1.57]	0 to 10 [0 to 0.39]	10 to 20 [0.39 to 0.78]	20 to 30 [0.78 to 1.18]	0 to 100	100 to 500	500 to 1000	1000 to 2000	Arm Rotation - Top of Stroke	Block Body Style	Threaded Body Style	Flanged Body Style	Sensor Ready	360° Arm Adjustability	Clamp Arm/Spindle Incl.	Manual Operation	Confined Space Operation
9522-2	53		●					●						●			●			✓			✓	✓				✓
9530-2	53			●				●						●				●		✓			✓	✓				✓
9540-2	53				●			●						●				●		✓			✓	✓				✓
9550-2	53					●		●						●				●		✓			✓	✓				✓
89R20	54		●						●				●			●					✓			✓	✓			
89R32	54			●					●				●				●				✓			✓	✓			
89R40-010	54				●					●			●				●				✓			✓	✓			
89R40-025	54				●						●			●			●				✓			✓	✓			
89R50	54					●						●		●				●			✓			✓	✓			
89R63	54						●					●		●				●			✓			✓	✓			
89B20	54		●						●				●			●					✓			✓	✓			
89B32	54			●					●				●				●				✓			✓	✓			
89B40	54				●				●				●				●				✓			✓	✓			
89B50	54					●				●				●				●			✓			✓	✓			
89B63	54						●		●				●						●		✓			✓	✓			
8115/8116	55	●							●				●								✓			✓	✓	✓		
8315/9316	55				●					●				●			●				✓			✓	✓	✓		
89E20	55		●						●				●			●						✓			✓			
89E32	55			●					●				●				●					✓			✓			
89E40	55				●				●				●				●					✓			✓			
89E50	55					●				●				●				●				✓			✓			
89E63	55						●		●				●						●			✓			✓			
8015/8016	56	●							●				●			●						✓		✓	✓	✓		
8215/8216	56			●						●				●			●					✓		✓	✓	✓		
8415/8416	56			●						●				●			●					✓		✓	✓	✓		
035-125	56		●						●					●		●						✓			✓			
035-132	56			●					●					●			●					✓			✓			
035-140	56				●					●				●			●					✓			✓			
035-150	56					●			●					●			●					✓			✓			
035-225	56		●						●					●		●							✓		✓			
035-232	56			●					●					●			●						✓		✓			
035-240	56				●				●					●			●						✓		✓			
035-250	56					●			●					●			●						✓		✓			
8725	57		●										●				●						✓			✓		✓
8732	57			●									●				●						✓			✓		✓
8740	57				●								●				●						✓			✓		✓
8750	57																						✓			✓		✓
6004-SW	59			N/A						●					●				●	✓			✓		✓	✓	✓	

Dimensions and technical information are subject to change without notice

CLICK OR SCAN
To view full PDF catalog pages on these products

PNEUMATIC POWER CYLINDERS

See pages 60-61 for more information

CLICK OR SCAN
To view full PDF catalog pages on these products

HYDRAULIC POWER CLAMPS

See pages 62-63 for more information

PNEUMATIC POWER CLAMPS

Sizing and Application Chart

CLICK OR SCAN
To view full PDF 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	64	●					●					●						
82L-4	65	●					●					●	●					
82L-2	66	●	●				●	●					●	●	●			
TCC-2	70	●					●								●	●	●	
82M-3E	72		●		●	●		●	●						●	●	●	●
52H-3E	74				●													
870/871	79		●				●								●			
860/861	80			●				●								●		
890/891	80				●			●									●	
1000/1001	80				●				●								●	●
82D	81		●				●	●							●		●	
84A	83	●	●				●	●							●	●		

CLICK OR SCAN
To view full PDF catalog pages on these products

PNEUMATIC POWER CLAMPS

Sizing and Application Chart

Material		Weight Kg					Air Consumption per Double Stroke at 5 bar dm³				Suitable Application Areas													
Aluminum	Steel	0 to 2	2-4	4-6	6-8	More than 8	0 to 0.5	0.50 to 1.00	1.00 to 2.00	More than 2.00	Welding	Assembly	Dirty Environment	End Effectors	Machining	Duty Cycle	Adjustable Opening Angle	Inductive Sensors Available	Dual Arms	Tolerance Compensation	Manual Version Available	Center Arm	Lateral Arms	Toggle Locking
●		●					●				⊗	O	○	O	○	○						✓		✓
●		●					●				O	O	O	O	O		✓	✓			✓	✓	✓	✓
●		●	●				●	●			O	O	O	○	O	○	✓	✓			✓	✓	✓	✓
●		●	●					●	●	●	O	O	O	O	O	○	✓	✓		✓		✓	✓	✓
●		●	●					●	●	●	O	O	O	O	O	○	✓	✓			✓	✓	✓	✓
●			●								⊗	O	O	O	O	●	✓	✓			✓	✓	✓	✓
	●		●					●			⊗	O	○	●	O	●						✓		✓
	●		●							●	⊗	O	○	●	O	○						✓		✓
	●				●					●	⊗	O	○	●	O	○						✓		✓
	●					●				●	⊗	O	○	●	O	○						✓		✓
●			●	●					●	●	O	O	O	○	O	O		✓	✓					✓
●		●	●				●	●			O	O	O	O	O	○		✓	✓	✓		✓		

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

2002, 2007

Vertical Hold Down Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

2002 Series
Max. Holding Capacity: 2700 N [600 lbf]

2002-**U/USS**
Flanged Base
U-Bar

-**USS** Stainless Steel Model

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

2002-**S**
Flanged Base
Solid Bar

2002-**UB**
Straight Base
U-Bar

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

2002-**SB**
Straight Base
Solid Bar

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

-**URSS** Stainless Steel Model

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

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

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

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

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

2007 Series
Max. Holding Capacity: 4450 N [1000 lbf]

2007-**U/USS**
Flanged Base
U-Bar

-**USS** Stainless Steel Model

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

2007-**S**
Flanged Base
Solid Bar

2007-**UB**
Straight Base
U-Bar

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

2007-**SB**
Straight Base
Solid Bar

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

-**URSS** Stainless Steel Model

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

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

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

ⓘ This item is available upon request

2010, 201

Vertical Hold Down Clamps

2010 Series

Max. Holding Capacity: 6230 N [1400 lbf]

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

---

201 Series

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

201-**U/USS**
Flanged Base
U-Bar

-**USS** Stainless Steel Model

201-**UB**
Straight Base

201-**TU**
Flanged Base
U-Bar
T-Handle

ⓘ This item is available upon request

202

Vertical Hold Down Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

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

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

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**)

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

Vertical Hold Down Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

210 Series

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

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**)

247-U
Flanged Base
U-Bar

247-S
Flanged Base
Solid Bar

247-UBⓘ
Straight Base
U-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**)

5905/5910/5915
Flanged Base

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

ⓘ This item is available upon request

Dimensions and technical information are subject to change without notice

CLICK OR SCAN
QR codes for full catalog pages on products

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**
Soild
Base

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

5105-**BR**ⓘ/5110-**BR**ⓘ
Solid Base
DESTACO®
Toggle Lock
Plus

528 Series

Max. Holding Capacity: 4450 N [1000 lbf]

528
Flanged Base
Solid Bar

528-**F**ⓘ
Front Mount
Base Solid Bar

548, 578 Series

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

548
Straight Base
Solid Bar

578
Straight Base
Solid Bar

533, 535 Series

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

533-**L**
Flanged Base
Solid Bar

533-**LB**
Straight Base
Solid Bar

535-**L**
Flanged Base
Solid Bar

535-**LB**
Straight Base
Solid Bar

ⓘ This item is available upon request

558, 91090, 317, 7-XXX, 527, 229

Vertical Hold Down Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

558 Series
Max. Holding Capacity:
11100 N [2500 lbf]

558

91090 Series
Max. Holding Capacity:
1710 N [385 lbf]

91090
Front Flanged Base
Open Bar

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

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]

229
Flanged Base
Open Bar

ⓘ This item is available upon request

500 Series

Max. Holding Capacity: 2000 N [450 lbf] (**501**)
7000 N [1575 lbf] (**503**)
11000 N [2475 lbf] (**505**)
22500 N [5060 lbf] (**506**)

501-**B**ⓘ
Swivel Base

501-**LB**ⓘ
Long Base

503-**MB**
Swivel Base

503-**MLB**
Long Base

503-**MBLSC**ⓘ
Swivel Base with Locking Spring Clip

503-**MLBLSC**ⓘ
Long Base with Locking Spring Clip

505-**MB**
Swivel Base

505-**MLB**
Long Base

505-**MBLSC**ⓘ
Swivel Base with Locking Spring Clip

505-**MLBLSC**ⓘ
Long Base with Locking Spring Clip

506-**MB**
Swivel Base

506-**MLB**ⓘ
Long Base

506-**MBLSC**ⓘ
Swivel Base with Locking Spring Clip

506-**MLBLSC**ⓘ
Long Base with Locking Spring Clip

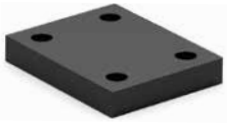
Accessories

Handle

501503ⓘ (**501**)
503503-L (**503**)
505503-L (**505**)
506503-L (**506**)

Clamping Bar

501501ⓘ (**501**)
503501 (**503**)
505501 (**505**)
506501 (**506**)



Base Plate

503502 (**501**)
503502 (**503**)
505502 (**505**)
506502 (**506**)

ⓘ This item is available upon request

2013, 2017, 2027, 213

Horizontal Hold Down Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

2013 Series
Max. Holding Capacity: 1310 N [295 lbf]

2013-U
Flanged Base
U-Bar

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

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

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™

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™

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

Dimensions and technical information are subject to change without notice

217, 227

Horizontal Hold Down Clamps

217 Series

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

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**)

227-U/USS
Flanged Base
U-Bar

-**USS** Stainless Steel Model

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

227-UB
Straight Base
U-Bar

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

227-U-Lⓘ
Flanged Base
Open Bar

227-U-L-BLKⓘ
Flanged Base
Open Bar

227-UB-Lⓘ
Straight Base
Open Bar

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

ⓘ This item is available upon request

237, 245, 205, 215

Horizontal Hold Down Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

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

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

-**SSS** 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-Bara

-**USS** Stainless Steel Model

215-**UB** ⓘ
Straight Base
U-Bar

215-**S**
Flanged Base
Solid Bar

ⓘ This item is available upon request

Dimensions and technical information are subject to change without notice

CLICK OR SCAN
QR codes for full catalog 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

-**UBSS** Stainless Steel Model

235 Series

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

235-**U**/**USS**
Flanged Base
U-Bar

-**USS** Stainless Steel Model

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

-**URSS** Stainless Steel Model

235-**UB**ⓘ
Straight
Base
U Bar

305, 307, 309 Series

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

305-**U**/**USS**
Flanged Base, U-Bar

-**USS** Stainless Steel Model

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

-**URSS** Stainless Steel Model

307-**U**/**USS**
Flanged Base
U-Bar

-**USS** Stainless Steel Model

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

-**URSS** Stainless Steel Model

309-**U**/**USS**
Flanged Base
U-Bar

-**USS** Stainless Steel Model

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

ⓘ This item is available upon request

206, 5300

Horizontal Hold Down Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

206 Series
Max. Holding Capacity: 440 N [100 lbf]

206-**SS**
Flanged Base
Low U-Bar
Stainless Steel

206-**HSS**
Flanged Base
High U-Bar
Stainless Steel

5300 Series
Max. Holding Capacity: [600lbf] 2670N (**5305**)
[1300lbf] 5780N (**5310**)

5305/5310
Flanged Base

5305-**B**/5310-**B**
Soild
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

Dimensions and technical information are subject to change without notice

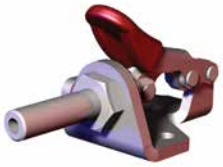
CLICK OR SCAN
QR codes for full catalog pages on products

6001, 601, 6015, 603, 608

Straight Line Action Clamps

6001 Series
Max. Holding Capacity: [150 lbf] 670 N

6001/-**M**



6001-**SS**/-**MSS**

---

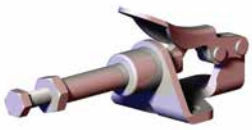
601 Series
Max. Holding Capacity: [100 lbf] 440 N

601

601-**M**

601-**O**
Straight Base U-Bar

601-**SS**
Stainless steel

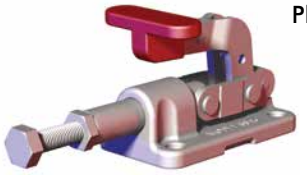


601-**OSS**ⓘ
Stainless steel External thread

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**)

603/-**M**

603-**SS**/-**MSS**
Stainless Steel

603-**R**/-**MR**
DESTACO® Toggle Lock Plus

608/-**M**

ⓘ This item is available upon request

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

Straight Line Action Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

605 Series
Max. Holding Capacity:
[300 lbf] 1330 N

605/-**M**

606 Series
Max. Holding Capacity:
[450 lbf] 2000 N

606/-**M**

607 Series
Max. Holding Capacity:
[800 lbf] 3560 N

607/-**M**

607-**SQ**/-**SQM**
with Square Plunger

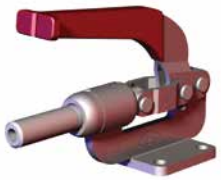
609 Series
Max. Holding Capacity:
[300 lbf] 1330 N

609
Flanged Base

609-**B**
Straight Base

610 Series
Max. Holding Capacity:
[800 lbf] 3560 N

610/-**M**

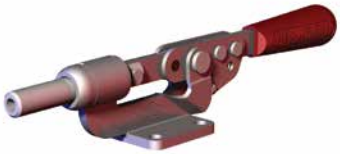


615 Series
Max. Holding Capacity:
[300 lbf] 1330 N

615

620 Series
Max. Holding Capacity:
[600 lbf] 2670 N

620/-**M**



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

630/-**M**

630-**R**/-**MR**
DESTACO® Toggle Lock Plus

ⓘ This item is available upon request

Dimensions and technical information are subject to change without notice

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

640/-**M**

640-**R**/-**MR**
DESTACO®
Toggle Lock
Plus

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

650/-**M**

95000 Series
Max. Holding Capacity: [550 lbf] 2450 N (**95030**)
[1100 lbf] 4900 N (**95040**)
[1650 lbf] 7340 N (**95050**)
[3960 lbf] 17600 N (**95060**)

95030

95040

95050ⓘ

95060ⓘ

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

5130/-**M**
5131/-**M**
5133/-**M**
Flanged Base

5130-**B**/-**MB**
5131-**B**/-**MB**
5133-**B**/-**MB**
Solid Base

5130-**R**/-**MR**
5131-**R**/-**MR**
5133-**R**/-**MR**
Flanged Base
DESTACO®
Toggle Lock
Plus

5130-**BR**ⓘ/-**MBR**ⓘ
5131-**BR**ⓘ/-**MBR**ⓘ
5133-**BR**ⓘ/-**MBR**ⓘ
Solid Base
DESTACO®
Toggle Lock
Plus

5150 Series
Max. Holding Capacity: [5800lbf] 25800N

5150/-**M**
Flanged Base

5150-**B**/-**MB**
Solid Base

5150-**R**/-**MR**
Flanged Base
DESTACO®
Toggle Lock
Plus

5150-**BR**ⓘ/-**MBR**ⓘ
Solid Base
DESTACO®
Toggle Lock
Plus

ⓘ This item is available upon request

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

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**)
[300 lbf] 1330 N (**604, 604-MM**)
[400 lbf] 1780 N (**604-SS, 604-MMSS**)
[700 lbf] 3110 N (**624**)

602/-**SS**/-**MM**/-**MMSS**

604/-**SS**/-**MM**/-**MMSS** ⓘ

624/-**S**/-**MM**

6004 Series

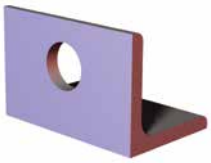
Max. Holding Capacity: [450 lbf] 2000 N

6004/-**MM**

6004-**R**/-**MMR**
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

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

FO, FL, G, F

Variable Stroke Straight Line Action Clamps

FO Series

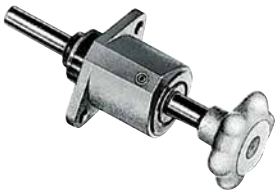
Type of Mounting:
- Foot mount

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

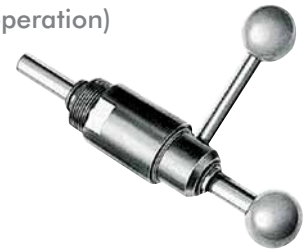
Type of Actuation:
- Locking lever or hand wheel (one-handed operation)
- Locking lever and Plunger (two-handed operation)

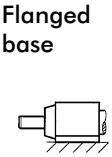
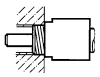


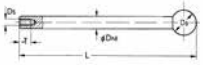
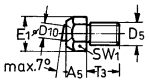
G Series

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

Pull Action Latch Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

3031, 3051 Series

Max. Holding Capacity: 6700N [1500lbf]

3031/-**SS**

3031-**R**/-**RSS**
DESTACO®
Toggle Lock
Plus

3051/-**SS**

3051-**R**/-**RSS**
DESTACO®
Toggle Lock
Plus

330, 351, 371, 381 Series

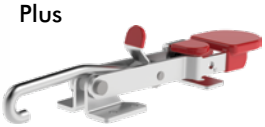
Max. Holding Capacity: 900 N [200 lbf] (**330**)
1670 N [375 lbf] (**351**)
2000 N [450 lbf] (**351-SS**)
3340 N [750 lbf] (**371**)
4450 N [1000 lbf] (**381**)

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**

323, 331, 341 Series

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

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

ⓘ This item is available upon request

Dimensions and technical information are subject to change without notice

375, 385

Pull Action Latch Clamps

375 Series

Max. Holding Capacity: [4000 lbf] 17800 N

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

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

ⓘ This item is available upon request

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

Pull Action Latch Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

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**)

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

301, 311 Series

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

301/-**SS**

311

3011 Series

Max. Holding Capacity:
8900 N [2000 lbf]

3011

353 Series

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

353-35

353-65

CLICK OR SCAN
QR codes for full catalog pages on products

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

Squeeze Action Plier Clamps

325 Series
Max. Holding Capacity:
3560 N [800 lbf]

325/-**SS**

345 Series
Max. Holding Capacity:
3560 N [800 lbf]

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

425, 435 Series
Max. Holding Capacity:
2220 N [500 lbf]

425 ⓘ

435

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

CLICK OR SCAN
QR codes for full catalog pages 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	1/4-20
215208	
424208	
431208	
225208	5/16-18
507208	
240208	3/8-16
527208	
235208	
247208	1/2-13
267208	5/8-11

Flat-Tip Bonded Red Neoprene Spindle – Metric

- Includes jam nuts

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

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

Part No.	Thread
213208-M-L ⓘ	M5

Cone-Tip Bonded Black Neoprene Spindle – Inch

- Includes jam nuts

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

Large Diameter Padded Swivel Foot Spindle-Inch

- Includes jam nuts

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

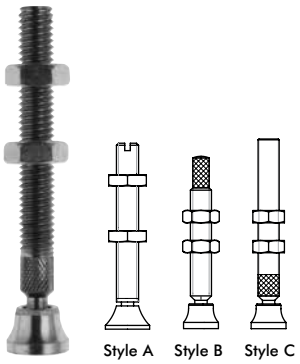
Plunger-matic Assemblies

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

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

Swivel Foot Spindle

- Includes jam nuts



Part No.	Thread	Style
207206-M	M6	A
507206-M	M8	
468206-M	M10	B
210206-M		A
250206-M	M12	
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.

CLICK OR SCAN
QR codes for full catalog pages 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
237943-M	M10
245943-M	M12
205943	#8-32
201943	#10-32
202943	1/4-20
207943	5/16-18
237943	3/8-16
245943	1/2-13

Hex Head Spindle

- Includes jam nuts

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

*Material: nylon

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

Neoprene Caps - Slip on Hex Head

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

Neoprene Caps - Slip on

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

Polyurethane Caps - Threaded - Flat Tip

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

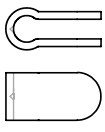
Polyurethane Caps - Threaded - Cone Tip

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

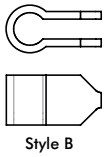
Flanged Washers –

Part No. Standard	Part No. Stainless	Fits Spindle Ø
105106	105906	M4 or #8
102111	102911	M5 or #10
215105	215905	M6 or 1/4
507107	507907	M8 or 5/16
235106	235906	M10 or 3/8
247109	247909	M12 or 1/2
267102	267902	M16 or 5/8

Bolt Retainers



Style A



Style B

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

ADAPTERS & EXTENSIONS

Manual Clamping Accessories

CLICK OR SCAN
QR codes for full catalog pages on products

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-U-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-U-LS 2027-U / 2027-UB 2027-UR / 2027-UBR	L-227-2-01ⓘ L-227-2-02ⓘ

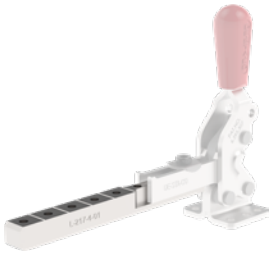
ⓘ Available upon request.
Also available in Black. Add **-BLK** to part number.

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

Notes

812, 802, 807

Pneumatic Toggle Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

812 Series

812-**U**

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

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

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

802 Series

802-**U**
802-**UE**

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

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

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

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

807 Series

807-**U**
807-**UE**

807-**S**
807-**SE**

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

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

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

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

810, 846, 8007

Pneumatic Toggle Clamps

810 Series

810-**U**
810-**UE**

810-**S**
810-**SE**

Model	Maximum Holding Capacity Inner	Maximum Holding Capacity Outer	Maximum Exerting Force @ 5bar [72PSI] Inner	Maximum Exerting Force @ 5bar [72PSI] Outer	Accessories (Supplied) Spindle Accessory	Accessories (Supplied) Flanged Washers	Accessories (Supplied) Bolt Retainer
810-U	[600 lbf] 2670 N	[290 lbf] 1290 N	[856 lbf] 3834 N	[407 lbf] 1823 N	--	235106	--
810-UE					240208-M		
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	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

846 Series

846ⓘ

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

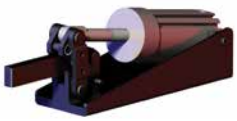
Replacement Seal Kit: 810450-40-1-00
Replacement Clamp Assembly: 846-LC
Replacement Cylinder Assembly: 846CYL

ⓘ This item is available upon request

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

8007 Series

8007-**E**



8007-**EHL**

8007-**EHR**

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

Replacement Clamp Assembly: 8007-LC

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

847, 858, 8021, 8071

Pneumatic Toggle Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

847 Series

847-U

847-S

Model	Maximum Holding Capacity Inner	Maximum Holding Capacity Outer	Max. Exerting Force @ 5bar [72PSI] Inner	Max. Exerting Force @ 5bar [72PSI] Outer	Accessories (Supplied) Spindle Accessory	Accessories (Supplied) Flanged Washers	Accessories (Supplied) 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 Inner	Maximum Holding Capacity Outer	Max. Exerting Force @ 5bar [72PSI] Inner	Max. Exerting Force @ 5bar [72PSI] 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 Inner	Maximum Holding Capacity Outer	Max. Exerting Force @ 5bar [72PSI] Inner	Max. Exerting Force @ 5bar [72PSI] Outer	Accessories (Supplied) Spindle Accessory	Accessories (Supplied) 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.

817, 827, 868, 8031

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 Inner	Max. Holding Capacity Outer	Max. Exerting Force @ 5bar [72PSI] Inner	Max. Exerting Force @ 5bar [72PSI] Outer	Accessories (Supplied) Spindle Accessory	Accessories (Supplied) Flanged Washers	Accessories (Supplied) Bolt Retainer
817-U	[375 lbf] 1670 N	[200 lbf] 890 N	[369 lbf] 1648 N	[225 lbf] 1005 N	--	507107	--
817-UE					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	[491 lbf] 2200 N	[309 lbf] 1383 N	--	235106	--
827-UE					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	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

868 Series

868
868-**E**

Model	Max. Holding Capacity Inner	Max. Holding Capacity Outer	Max. Exerting Force @ 5bar [72PSI] Inner	Max. Exerting Force @ 5bar [72PSI] 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	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

8031 Series

8031 ⓘ

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

Sensor Accessories	Item Number
Round Reed Switch with Quick Disconnect	810169
Quick Disconnect 2M Extension Cable	CABL-010
Quick Disconnect 5M Extension Cable	CABL-013

803, 830, 850, 800,1200

Pneumatic Toggle Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

803 Series

803
803-**ME**

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

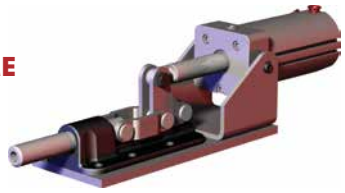
Model	Max. Holding Capacity	Max. Exerting Force @ 5bar [72PSI]
803	[600 lbf] 2670 N	[675 lbf] 3015 N
803-ME		

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

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**



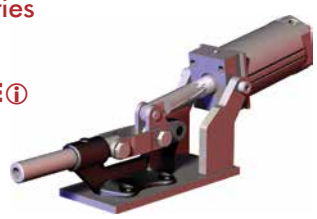
Model	Maximum Holding Capacity	Maximum Exerting Force @ 5bar [72PSI]
830	[2500 lbf] 11100 N	[800 lbf] 3582 N
830-ME		

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

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**ⓘ



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

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

ⓘ This item is available upon request.

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

800, 1200 Series

800 800-**E** 1200ⓘ 1200-**E**ⓘ

Model	Exerting Force
800	[850~1500 lbf] 3780~6670N
800-E	[650~1200 lbf] 2890~5340N
1200ⓘ	[750~1600 lbf] 3340~7120N
1200-Eⓘ	[550~1200 lbf] 2450~5340N

Repair Kits: 800-00, 1200-00

ⓘ This item is available upon request

9500 Series

9522-2

9530-2

9540-2

9550-2

Shown with optional clamping arm.

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

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

89R, 89B

Pneumatic Swing Clamps

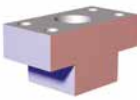
CLICK OR SCAN
QR codes for full catalog pages on products

89R Series

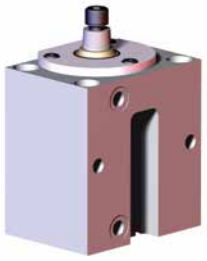
Model	Swing Direction*	Clamping Force† [lbf]N	Replace-ment Seal Kit	Clamp Arm	Body Mount Flanges	Clamp Arm Adapter	Mounting Feet	End Mount Flanges
89R20-010-2	LH, RH	[18] 80	89R20-00	8JG-215-1	8MA-092-1	8MA-084-1	8MW-018-1	8MA-061-1
89R32-010-2	LH, RH, STRT	[55] 245	89R32-00	8JG-217-1	8MA-094-1	8MA-086-1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

*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**



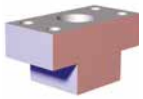
89B Series



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. 89B30-010-2R**A**.



8100, 8300, 89E

Pneumatic Swing Clamps

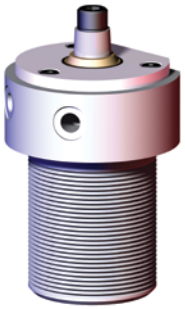
8100, 8300 Series

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

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

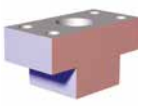
Note: To order without clamping arm, add –LA to the end of the model number. EX. 8115-**LA**.

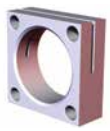
89E Series



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

†with standard clamping arm at 6bar [87psi





8000, 8200, 8400, 035

Pneumatic Swing Clamps

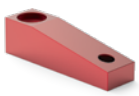
CLICK OR SCAN
QR codes for full catalog pages on products

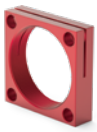
8000, 8200, 8400 Series

Model	Swing Direction	Clamping Force [lbf.]N†	Replace-ment Seal Kit	Clamp Arm	Clamp Arm Adapter	Mounting Flanges
8015	RH	[18] 80	801560	801528 801529	801532	801553
8016	LH					
8215	RH	[67] 300	821560	821512	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

035-2

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

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

8700 Series

8725

8732
8732G

8740
8740G

8750
8750G

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

† at 5bar [72psi].

SENSOR ACCESSORIES

for Pneumatic Swing and Toggle Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

810169
810173
810174

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

810151
810153
810155
810157

Tie rod clip 810151-1 included.

810156
810158

810153

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
810151	Tie Rod	No connector cord	2.7m [9ft.]	Reed	5-120V AC/DC	500mA	3.5V
810153				Reed	24-240V AC	4A	1.0V
810155				PNP	6-24V DC	500mA	1.0V
810157				NPN	6-24V DC	500mA	1.0V
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.]

6004-SW

Manual Swing Clamps

6004-SW Series

Max. Holding Capacity: [2,000 lbf] 450 N
(Straight pull. Does not account for clamp arm.)

6004-**SWL**
Clamp Arm
Swing Left

6004-**SWR**
Clamp Arm
Swing Right

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

Pneumatic Power Cylinders

CLICK OR SCAN
QR codes for full catalog pages on products

K - **400** - **15** - **6** - **1**

Sensors	Description
1	No sensors
A	Sensors
K	Sensors with sensor cage (for K and WK models only)

Base Model	Description
K	Male thread
WK	ISO fit
WR	Rectangular body

Clamping Force	Description
400	4kg
600	6kg
1000	10kg
2000	20kg (WR Only)
3000	30kg
4500	45kg
6000	60kg (WK Only)

Forward Stroke	Description
15	15mm
30	30mm
50	50mm
70	70mm
120	120mm
200	200mm (except WK6000 & WR2000)

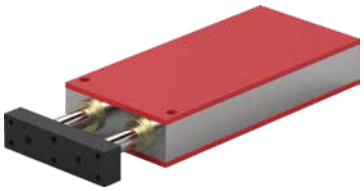
Power Stroke (P) — See Table Below

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

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

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

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



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

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

CLICK OR SCAN
QR codes for full catalog pages on products

Hydraulic Threaded Body Cylinders

Model no.	Threaded Body	Stoke	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

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

Series **052** Flange Mount

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

CLICK OR SCAN
QR codes for full catalog pages on products

030, 039

Hydraulic Power Clamps

Hydraulic Swing/Pull Clamps

030-1 - S - 475 - R

Base Model	Description
030-1	Hydraulic Swing/ Pull Clamps

Operation	Description
S	Single acting
D	Double acting

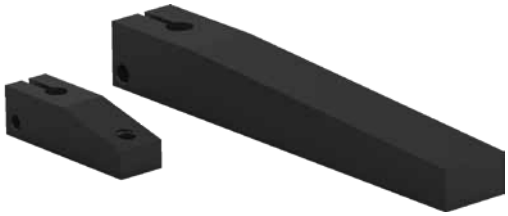
Clamping Force	Description
475	215kg [475lbf]
1100	453kg [1000lbf]
2400	1089kg [2400lbf]
4000	1814kg [4000lbf]

Swing Direction	Description
"Blank"	Left CCW (standard)
R	Right CW
S	Straight guided pull

Model no.	Total Stroke	Clamping Stroke
030-1-S-475ⓘ	0.65	0.210
030-1-D-475ⓘ		0.32
030-1-S-1000ⓘ	0.89	0.39
030-1-D-1000ⓘ		
030-1-S-2400ⓘ	1.12	0.5
030-1-D-2400ⓘ		
030-1-S-4000ⓘ	1.07	0.45
030-1-D-4000ⓘ		

ⓘ This item is available upon request

Clamp Arms No.	for Clamping Forces	Length
031-S-475	215-1814kg [475-2400lbf]	1.929
031-L-475		3.959
031-S-1100		2.598
031-L-1100		6.019
031-S-2400		3.268
031-L-2400		7.226
031-S-4000	1814kg [4000lbf]	4.17
031-L-4000		8.43



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

CLICK OR SCAN
QR codes for full catalog pages on products

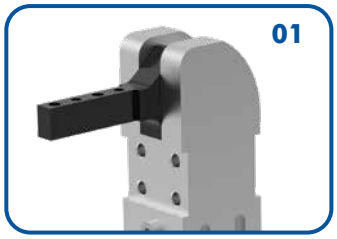
81L **12-1** **01** **00**

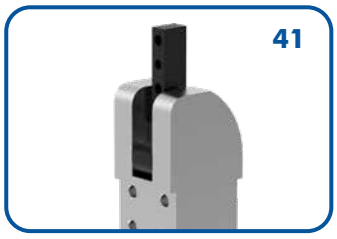
Size	Description
12-1	12 mm Cylinder (M5 Port)
16-1	16 mm Cylinder (M5 Port)
20-1	20 mm Cylinder (M5 Port)
25-1	20 mm Cylinder (M5 Port)

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.	Description (order separately)
8EA-109-1	Sensor, 3-wire cable, M8x1 connector, 3-pin
82ZB-004-1	Adapter for mounting 81L20-1, 81L25-1 to 25mm dia. bar

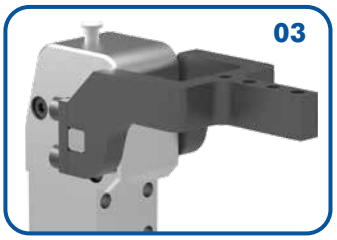
82L **16-4** **03** **0**

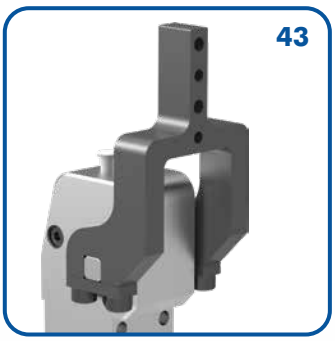
Size	Description
12-4	12 mm Cylinder (M5 Port)
16-4	16 mm Cylinder (M5 Port)
20-4	20 mm Cylinder (M5 Port)
25-4	25 mm Cylinder (M5 Port)

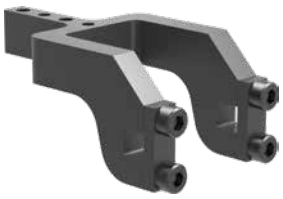
Arm Style	Description
00	No clamping arm
03	U-bar, central 90°
43	U-bar, central 180°

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]	Max Holding Torque 40 Nm [29.5 ft-lb]	Max Holding Torque 50 Nm [36.9 ft-lb]	Max Holding Torque 80 Nm [59.0 ft-lb]
	Max Clamping Torque	Max Clamping Torque	Max Clamping Torque	Max Clamping Torque
90° version:	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]
180° 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]
	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
82ZB-004-1	Adapter for mounting 82L20-4, 82L25-4 to 25mm dia. bar

82LG, 82LN

Enclosed Pneumatic Power Clamps | Lightweight Modular

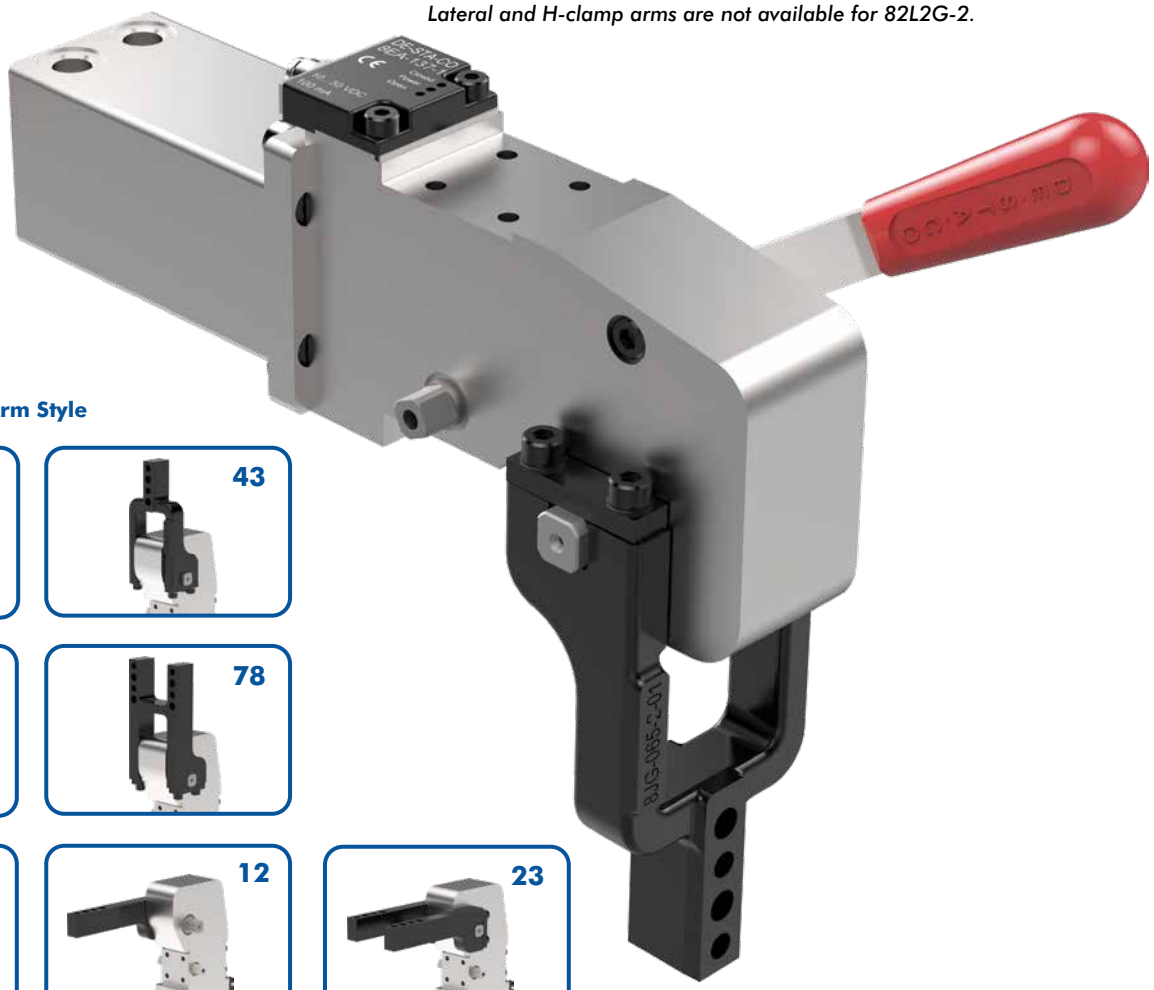
CLICK OR SCAN
QR codes for full catalog pages on products

82L | **2G-2** | **03** | **B8** | **H** | **0** | **B**

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

Arm Style	Description
03	U-clamp arm, central 90°
11	Lateral clamp arm, left 90°
12	Lateral clamp arm, right 90°
23	2x lateral clamp arm 90°
38	H-clamp arm 90°
43	U-clamp arm, central 180°
51	Lateral clamp arm, left 180°
52	Lateral clamp arm, right 180°
63	2x lateral clamp arm 180°
78	H-clamp arm 180°

See below for further details.
Lateral and H-clamp arms are not available for 82L2G-2.



Arm Style

82LG, 82LN

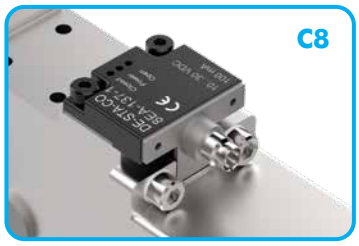
Enclosed Pneumatic Power Clamps | Lightweight Modular

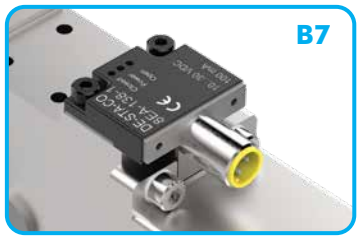
Hand Lever	Description
0	No Hand Lever
H	With Hand Lever

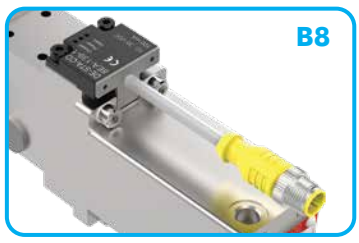
Base Model	Description
B	Power clamp without clamping arm. To be marked with an additional "B". Only with clamping arm "03"

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

Sensor	Description
00	Without Sensing System
C8	Inductive Sensing System with In-Line M8x1 Connector
B7	Inductive Sensing System with In-Line M12x1 Connector
B8	Inductive Sensing System with M12x1 Connector with Cable







2G

Max Holding Torque
75 Nm [55.3 ft-lb]
Max Clamping Torque
25 Nm [18.4 ft-lb]
at 5 bar [72 psi]

3G/N

Max Holding Torque
180 Nm [132.8 ft-lb]
Max Clamping Torque
55 Nm [40.6 ft-lb]
at 5 bar [72 psi]

4G/N

Max Holding Torque
380 Nm [280.3 ft-lb]
Max Clamping Torque
120 Nm [88.5 ft-lb]
at 5 bar [72 psi]

82LG, 82LN ACCESSORIES

Enclosed Pneumatic Power Clamps | Lightweight Modular

CLICK OR SCAN
QR codes for full catalog pages on products

U-Type Central Clamping Arms

Model	Order No. (1 clamp arm)
82L2G-2...	8JG-075-3-01
82L3.-2...	8JG-065-2-01
82L4.-2...	8JG-067-2-01

H- Clamping Arms

Model	Order No. (1 clamp arm)
82L3.-2...	8JG-363-1-01
82L4.-2...	8JG-364-1-01

Lateral Clamping Arms

Model	Order No. (1 clamp arm)
82L3.-2...	8JG-066-1-01
82L4.-2...	8JG-068-1-01

Counter-Support

Order No.	Fit for Model
BK-R25-82L25-1	82L2_
BK-R25-82L32-1	82L3_
BK-R25-82L40-1	82L4_

Hold Open Device

Clamping position

Open position locked

Order No.	Fit for Model
82ZB-036-1	82L2.-2....H..
82ZB-037-1	82L3.-2....H..
82ZB-038-1	82L4.-2....H..

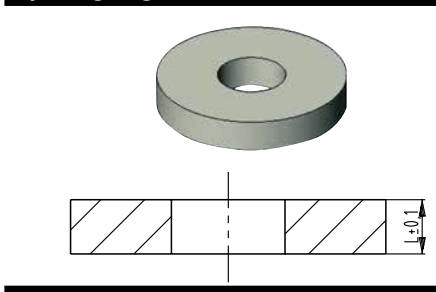
CLICK OR SCAN
QR codes for full catalog pages on products

82LG, 82LN ACCESSORIES

Enclosed Pneumatic Power Clamps | Lightweight Modular

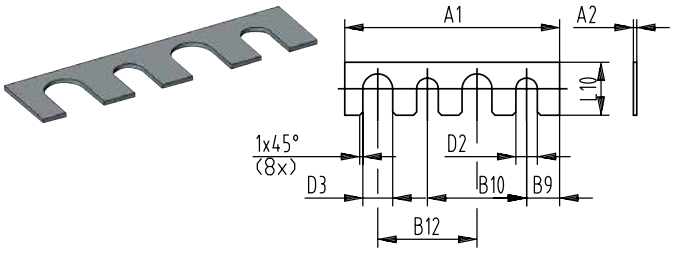
Clamping Arms	Order No. for set 82L2G-2....0../ 82L2G-2....H..	Order No. for set 82L3.-2....0../ 82L3.-2....H..	Order No. for set 82L4.-2....0../ 82L4.-2....H..
U-central	8JG-075-3-01	8JG-065-2-01	8JG-067-2-01
Lateral	--	8JG-066-1-01	8JG-068-1-01
H-Shape	--	8JG-363-1-01	8JG-364-1-01
Connector cable (1 connector socket & 5 m [16 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

Opening angle limitation



Opening Angle	82L2G-2		82L3.-2		82L4.-2	
	Order No.	L ± 0,1	Order No.	L ± 0,1	Order No.	L ± 0,1
15°	8CE-282-1	28,6	8CE-296-1	33,3	8CE-310-1	38,4
30°	8CE-284-1	22	8CE-298-1	26,9	8CE-312-1	31
45°	8CE-286-1	18,5	8CE-300-1	21,5	8CE-314-1	24,7
60°	8CE-288-1	14	8CE-302-1	16,3	8CE-316-1	18,6
75°	8CE-290-1	7,9	8CE-304-1	11	8CE-318-1	11
90°	8CE-292-1	4,7	8CE-306-1	5,5	8CE-320-1	6,2

Shim for clamping arm



Order No.	A1	A2	D2	D3	B9	B10	B12	L10
82ZB-SH4001	42	0,1	6,5	7	6	20	20	11,8
82ZB-SH4002		0,2						
82ZB-SH4005		0,5						
82ZB-SH4010		1,0						
82ZB-SH4020		2,0						
82ZB-SH4050		5,0						

Spare Parts	Order No. for set 82L2G-2....0..	Order No. for set 82L2G-2....H..	Order No. for set 82L3.-2....0..	Order No. for set 82L3.-2....H..	Order No. for set 82L4.-2....0..	Order No. for set 82L4.-2....H..
Cylinder	8PW-095-2		82L3G-2 (G port): 8PW-096-2 82L3N-2 (NPT port): 8PW-102-2		82L4G-2 (G port): 8PW-097-2 82L4N-2 (NPT port): 8PW-103-2	
Hand Lever	--	8KB-031-1	--	8KB-031-1	--	8KB-032-1

TCC-2

Enclosed Pneumatic Power Clamps | Heavy-Duty, Tolerance Compensation

CLICK OR SCAN
QR codes for full catalog pages on products

TCC-2 | E | 03 | 00 | 6A | L8

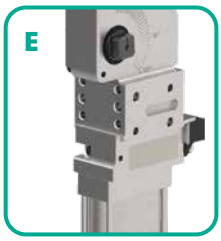
Mounting	Description
E	Standard Mounting
B	Common Front Mount for Size 40 only (same mount pattern as size 50 & 63)
N	NAAMS Side Mounting for Size 63 only

Clamp Arm Shaft	Description
03	for U-Arms
23	for Lateral Arms

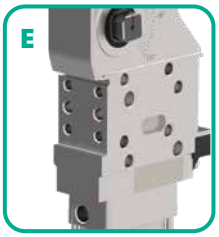
See below for further details

Handle	Description
00	No Hand lever

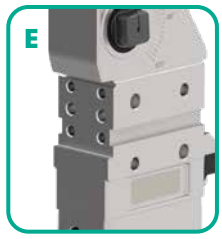
Mounting



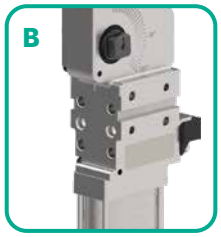
Size 40



Size 50

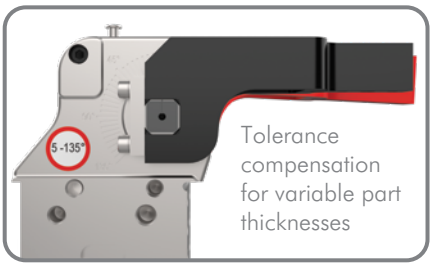


Size 63



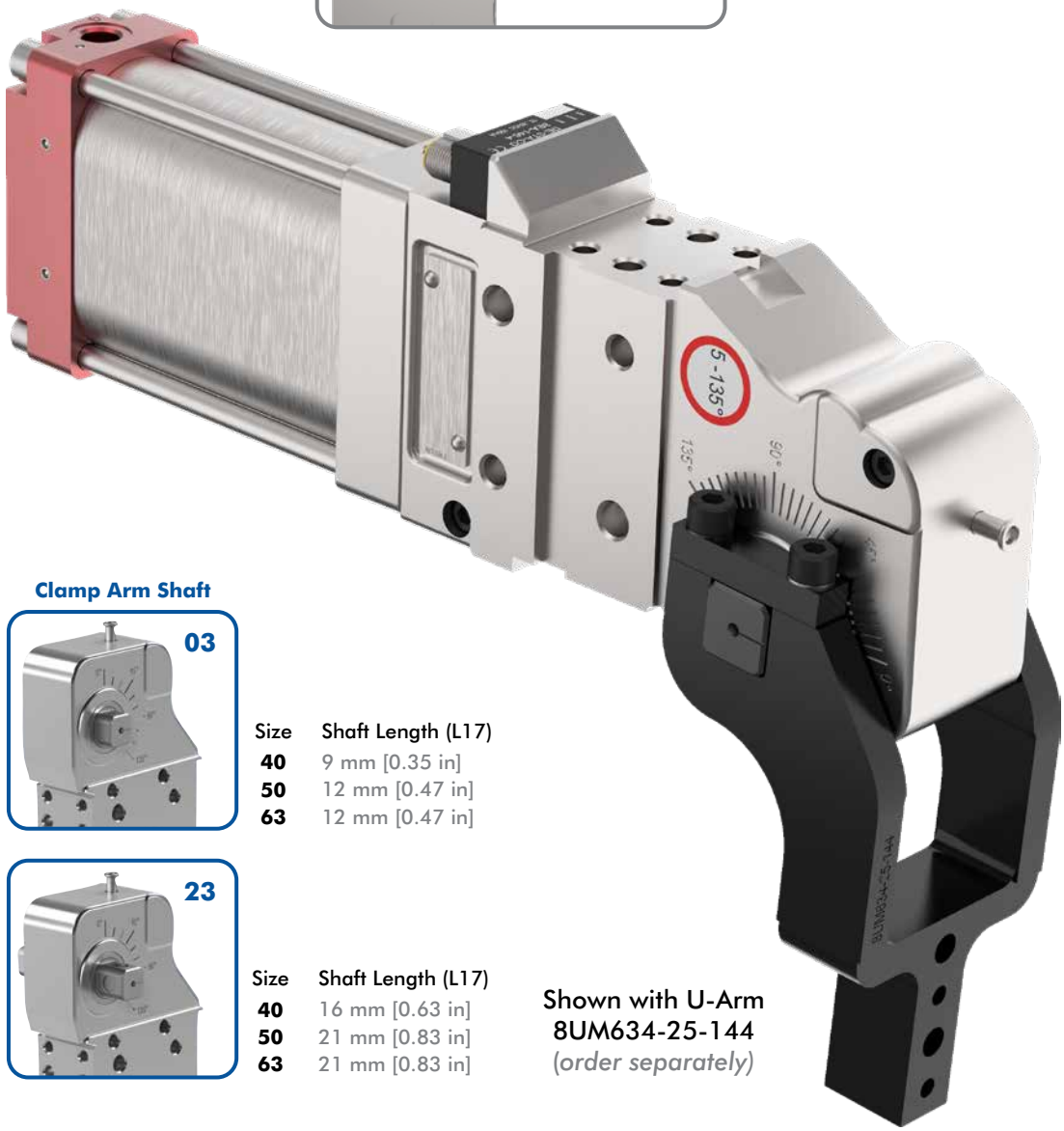
Size 40 Only

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

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

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

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

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

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

Sensor Cables Order separately

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

Cylinder (Standard

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

Cylinder with 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 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 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

Enclosed Pneumatic Power Clamps | Heavy-Duty Modular

CLICK OR SCAN
QR codes for full catalog pages on products

82M-3 **E** **23** **H0** **50** **L8** - **1** ← North America Only

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 63 only

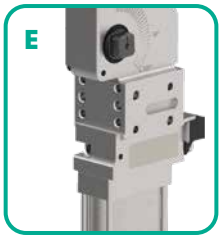
Clamp Arm Shaft	Description
03	for U-Arms
23	for Lateral Arms
D0	for Lateral Arms (size 63 NAAMS only)

See below for further details

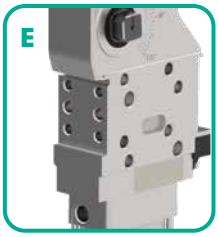
Handle	Description
00	No Hand lever
H0	Hand Lever
HS	Weldable

See below for further details

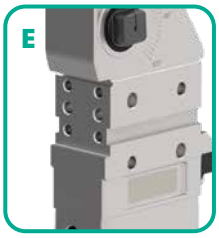
Mounting



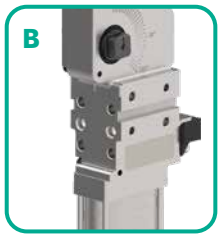
Size 40



Size 50

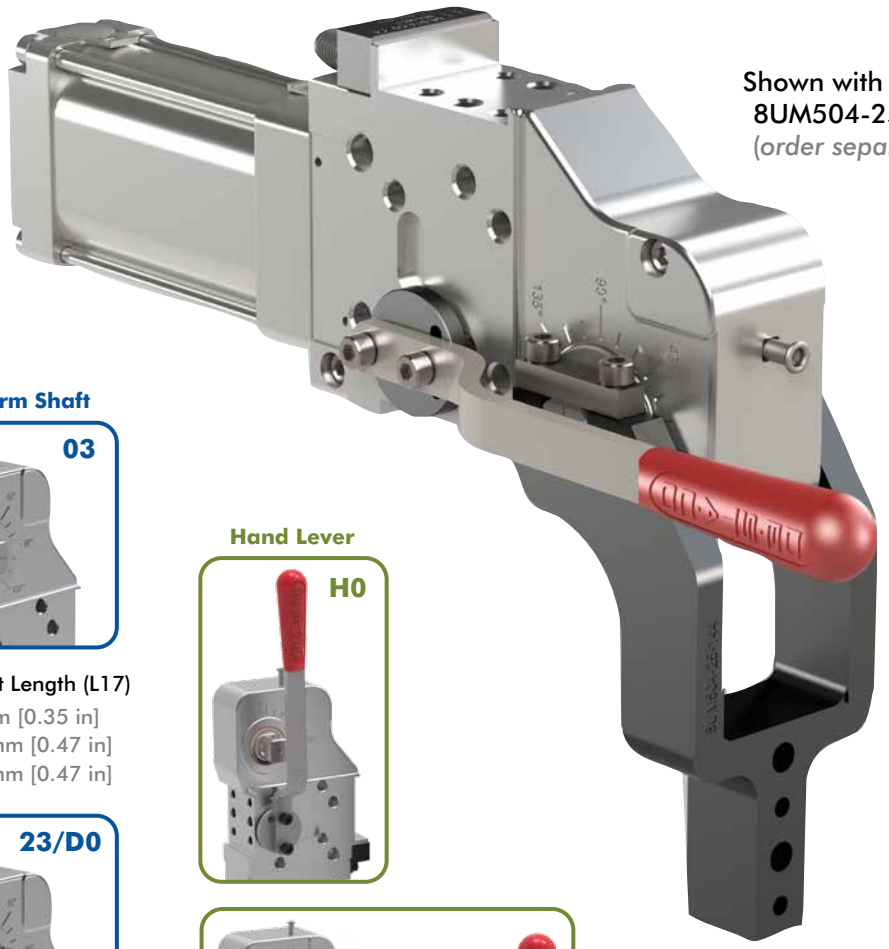


Size 63/80



Size 40 Only

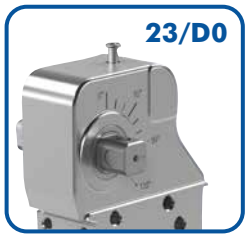
Size 63 Only



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

Clamp Arm Shaft

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



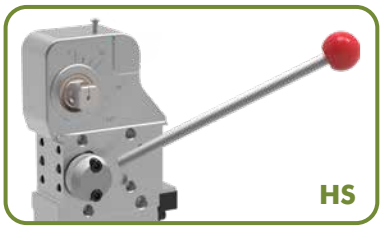
23

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]

D0

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

Hand Lever



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

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

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

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...

Using of the anti-ramming device is only possible with 82M-3E.....00 and 82M-3E.....L8

52H-3

Enclosed Modular Manual Power Clamps | Heavy-Duty

CLICK OR SCAN
QR codes for full catalog pages on products

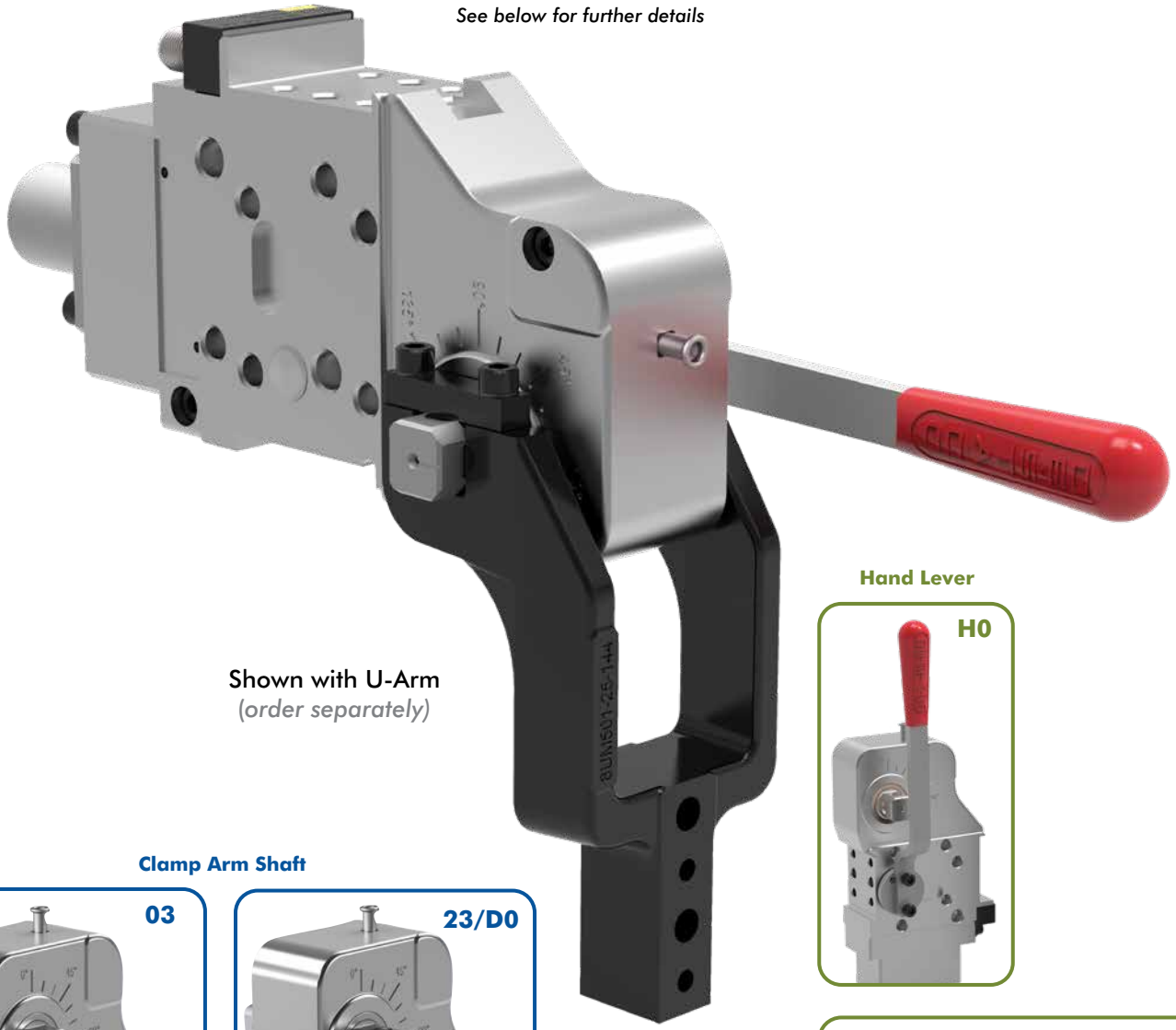
52H-3 | **E** | **23** | **H0** | **50** | **L8**

Mounting	Description
E	Standard
N	NAAMS (Size 63 only)

Clamp Arm Shaft	Description
03	for U-Arms
23	for Lateral Arms
D0	for Lateral Arms (size 63 only)

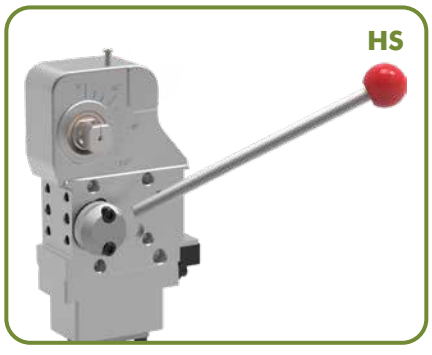
Handle	Description
H0	Hand lever
HS	Hand Lever (Weldable)

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]

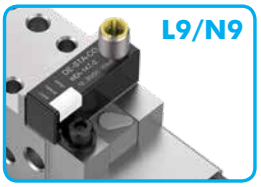
23

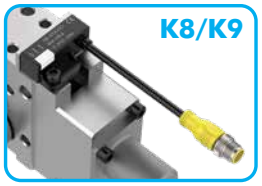
Size	Shaft Length (L17)
50	21 mm [0.83 in]
63	21 mm [0.83 in]

D0

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

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





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

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

CLICK OR SCAN
QR codes for full catalog pages on products

U-Arms Center (Aluminum)

Fits 82M-3E....40..	Max. Opening for 90°	Max. Opening for 180°
8UM404-00-117	135°	105°
8UM404-15-117		120°
8UM404-25-117		135°
8UM404-45-107	130°	

Fits 82M-3....5... and 52H-3E....5...	Max. Opening for 90°	Max. Opening for 180°
8UM504-15-144	135°	105°
8UM504-25-144		120°
8UM504-45-144		135°

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

Fits 82M-3....8...	Max. Opening for 90°	Max. Opening for 180°
8JG-169-2-01*	135°	105°
8UM801-45-204*		135°

* only steel version available.

90°

180°

U-Arms Offset (Aluminum)

(•) = L for Left, R for Right

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

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

Fits 82M-3....6... and 52H-3E....6...	Max. Opening for 90°	Max. Opening for 180°
8U(•)634-15-144	135°	105°
8U(•)634-25-144		120°
8U(•)634-45-144		135°
8U(•)631-75-204*		

Fits 82M-3....8...	Max. Opening for 90°	Max. Opening for 180°
8JG-17(•)-2-01*	135°	105°

(•) = 0 for Left, 1 for Right

* only steel version available.

90° Left

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

90° Right

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

180° Left

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

180° Right

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

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

Lateral (Steel)

Fits 82M-3E....40..	Max. Opening for 90°	Max. Opening for 180°
8S401-15-117	135°	120°

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

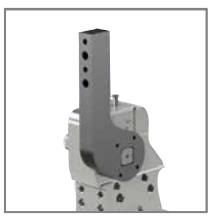
Fits 82M-3....6... and 52H-3E....6...	Max. Opening for 90°	Max. Opening for 180°
8JG-080-1-01	135°	135°
8S631-25-144		
8S631-45-144		
8S631-75-204		

Fits 82M-3....8...	Max. Opening for 90°	Max. Opening for 180°
8JG-1179-1-01	135°	135°
8S801-45-204		

90° Left

90° Right

180° Left



180° Right

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

CLICK OR SCAN
QR codes for full catalog pages on products

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

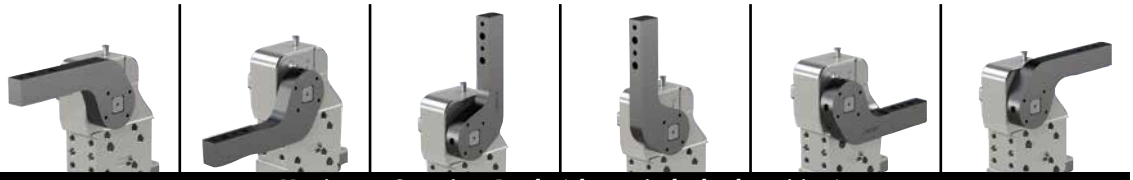
Series	Arm Style	Model
50 Offset	▲ • 1226	B8JG-**1226-1**
25 Offset	▲ • 1216	B8JG-**1216-1**
0 Offset	▲ • 1206	B8JG-**1206-1**

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**

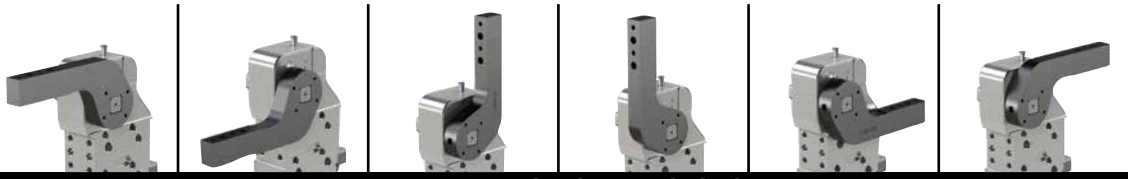
255mm [10.04"] Arm Length

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

Enclosed Modular Manual and Power Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

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

Series	Arm Style	Model
120 Offset	▲ • 1043	B8JG-**1043-1**
70 Offset	▲ • 1031	B8JG-**1031-1**
25 Offset	▲ • 1019	B8JG-**1019-1**
0 Offset	▲ • 1007	B8JG-**1007-1**

165mm [6.50"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1044	B8JG-**1044-1**
70 Offset	▲ • 1032	B8JG-**1032-1**
25 Offset	▲ • 1020	B8JG-**1020-1**
0 Offset	▲ • 1008	B8JG-**1008-1**

195mm [7.68"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1045	B8JG-**1045-1**
70 Offset	▲ • 1033	B8JG-**1033-1**
25 Offset	▲ ⓘ1021	B8JG-**1021-1**
0 Offset	▲ • 1009	B8JG-**1009-1**

225mm [8.86"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1046	B8JG-**1046-1**
70 Offset	▲ • 1034	B8JG-**1034-1**
25 Offset	▲ ⓘ1022	B8JG-**1022-1**
0 Offset	▲ ⓘ1010	B8JG-**1010-1**

255mm [10.04"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1047	B8JG-**1047-1**
70 Offset	▲ • 1035	B8JG-**1035-1**
25 Offset	▲ ⓘ1023	B8JG-**1023-1**
0 Offset	▲ ⓘ1011	B8JG-**1011-1**

285mm [11.22"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1048	B8JG-**1048-1**
70 Offset	▲ ⓘ1036	B8JG-**1036-1**
25 Offset	▲ ⓘ1024	B8JG-**1024-1**
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

Series	Arm Style	Model
120 Offset	▲ ⓘ1170	B8JG-**1170-1**
70 Offset	▲ • 1150	B8JG-**1150-1**
25 Offset	▲ ⓘ1130	B8JG-**1130-1**
0 Offset	▲ ⓘ1110	B8JG-**1110-1**

185mm [7.28"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1171	B8JG-**1171-1**
70 Offset	▲ ⓘ1151	B8JG-**1151-1**
25 Offset	▲ ⓘ1131	B8JG-**1131-1**
0 Offset	▲ ⓘ1111	B8JG-**1111-1**

215mm [8.46"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1172	B8JG-**1172-1**
70 Offset	▲ ⓘ1152	B8JG-**1152-1**
25 Offset	▲ ⓘ1132	B8JG-**1132-1**
0 Offset	▲ • 1112	B8JG-**1112-1**

245mm [9.65"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1173	B8JG-**1173-1**
70 Offset	▲ ⓘ1153	B8JG-**1153-1**
25 Offset	▲ ⓘ1133	B8JG-**1133-1**
0 Offset	▲ ⓘ1113	B8JG-**1113-1**

275mm [10.83"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1174	B8JG-**1174-1**
70 Offset	▲ ⓘ1154	B8JG-**1154-1**
25 Offset	▲ • 1134	B8JG-**1134-1**
0 Offset	▲ ⓘ1114	B8JG-**1114-1**

305mm [12.00"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1175	B8JG-**1175-1**
70 Offset	▲ • 1155	B8JG-**1155-1**
25 Offset	▲ ⓘ1135	B8JG-**1135-1**
0 Offset	▲ ⓘ1115	B8JG-**1115-1**

335mm [13.19"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1176	B8JG-**1176-1**
70 Offset	▲ ⓘ1156	B8JG-**1156-1**
25 Offset	▲ ⓘ1136	B8JG-**1136-1**
0 Offset	▲ ⓘ1116	B8JG-**1116-1**

365mm [14.37"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1177	B8JG-**1177-1**
70 Offset	▲ ⓘ1157	B8JG-**1157-1**
25 Offset	▲ ⓘ1137	B8JG-**1137-1**
0 Offset	▲ ⓘ1117	B8JG-**1117-1**

395mm [15.55"] Arm Length

Series	Arm Style	Model
120 Offset	▲ ⓘ1178	B8JG-**1178-1**
70 Offset	▲ • 1158	B8JG-**1158-1**
25 Offset	▲ ⓘ1138	B8JG-**1138-1**
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)

870-2, 871-2

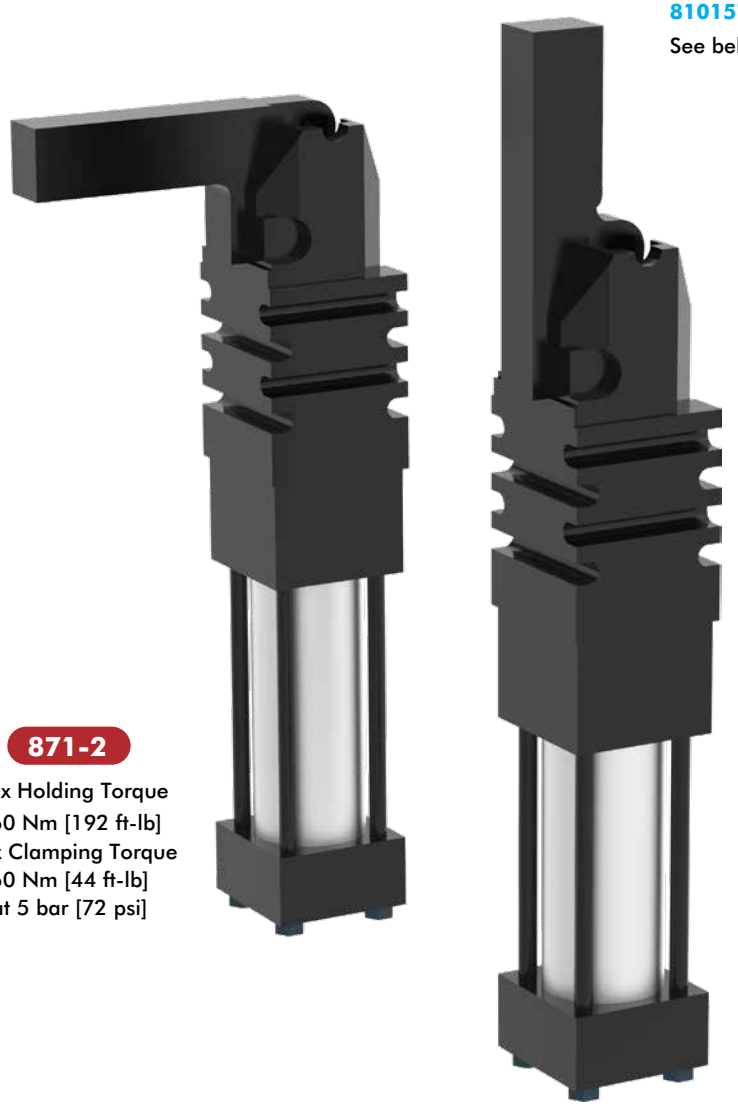
Pneumatic Power Clamps

870-2

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

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

See below for sensor specifications.



871-2

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

870-2

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

Sensors Order separately (2 pieces required)

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

860, 861, 890, 891, 1000, 1001

Pneumatic Power Clamps

CLICK OR SCAN
QR codes for full catalog pages on products

860

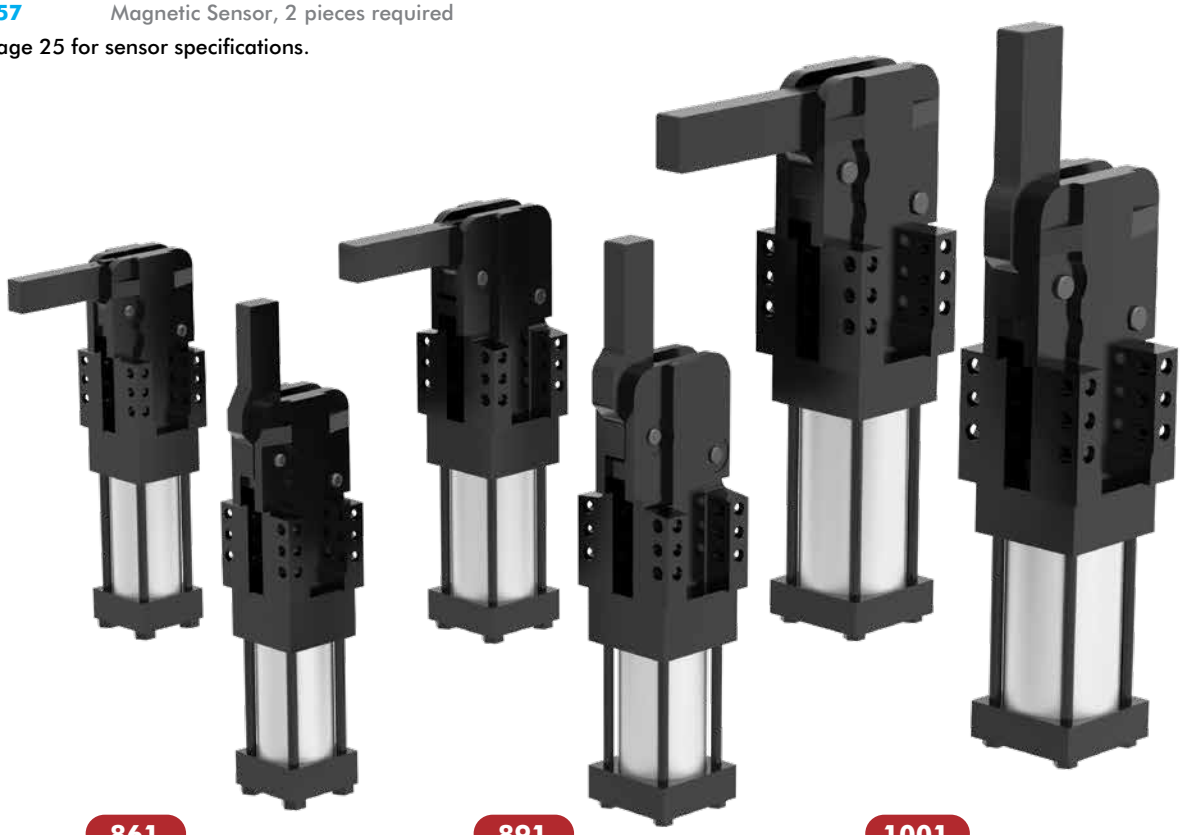
Base Model	Description
860	50,8 mm [2 in.] Cylinder with Vertical Clamp Arm
861	50,8 mm [2 in.] Cylinder with Horizontal Clamp Arm
890	63,5 mm [2.5 in.] Cylinder with Vertical Clamp Arm
891	63,5 mm [2.5 in.] Cylinder with Horizontal Clamp Arm
1000	82,5 mm [3.25 in.] Cylinder with Vertical Clamp Arm
1001	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 25 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
380 Nm [280 ft-lb]
Max Clamping Torque
120 Nm [89 ft-lb]
at 5 bar [72 psi]

891

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

1001

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

860

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

890

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

1000

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

CLICK OR SCAN
QR codes for full catalog pages on products

82D40, 82D63

Enclosed Pneumatic Power Clamps | Dual Arm

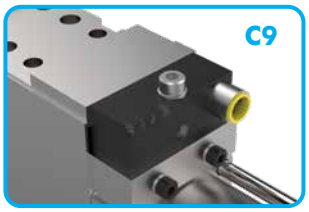
82D63-5 | **23** | **C9** | **0** | **0** | **B**

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

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)

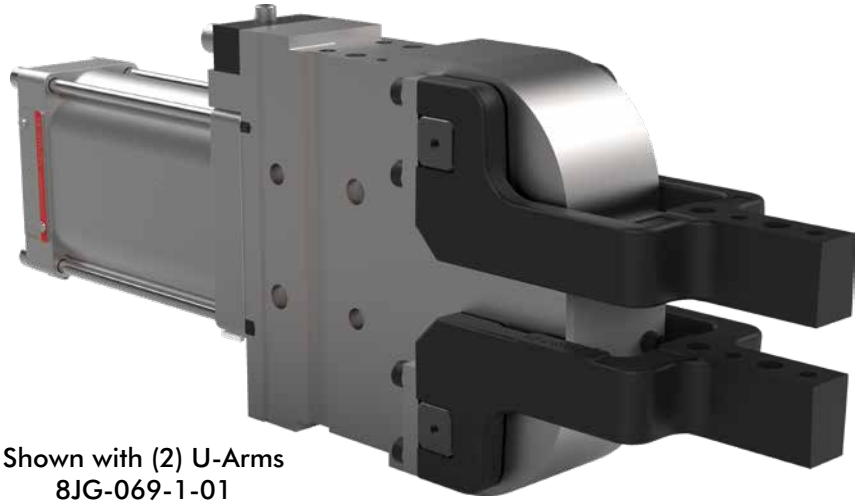
Sensor	Description
C9	includes Sensing System with M12x1 Connector (8EA-024-2) Standard



Hand Lever	Description
0	Hand Lever not available

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.



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

82D63-5
Max Holding
400 Nm [295 ft-lb]
Max Clamping Torque
120 Nm [88 ft-lb]
at 5 bar [72 psi]

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

U-type Central Clamping Arm

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

Alternate Clamp Arm mounting positions

Lateral Clamping Arm

Clamp Arm Variants
Left Side, Right Side, Both Sides

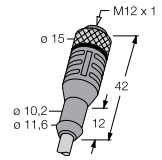
Model	Order No. (1 clamp arm)
82D40-223C900B	8JG-066-1-01
82D63-523C900B	8JG-070-1-01

82D ACCESSORIES

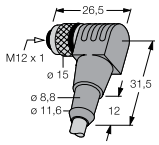
Enclosed Pneumatic Power Clamps | Dual Arm

CLICK OR SCAN
QR codes for full catalog pages on products

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



Connector socket
M12x1 straight, 5-pin

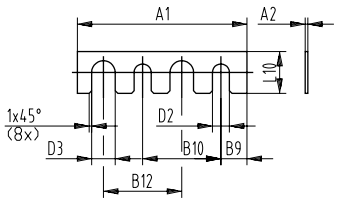


Connector socket
M12x1 angular, 4-pin

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**

CLICK OR SCAN
QR codes for full catalog pages on products

84A40, 82A50

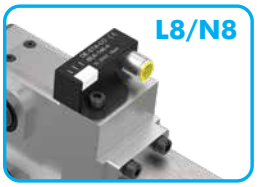
Enclosed Pneumatic Power Clamps | Dual Arm, Tolerance Compensation

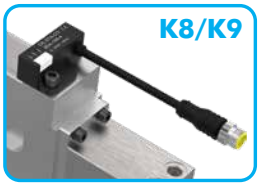
84A **50-1** **A01** **L8**

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

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

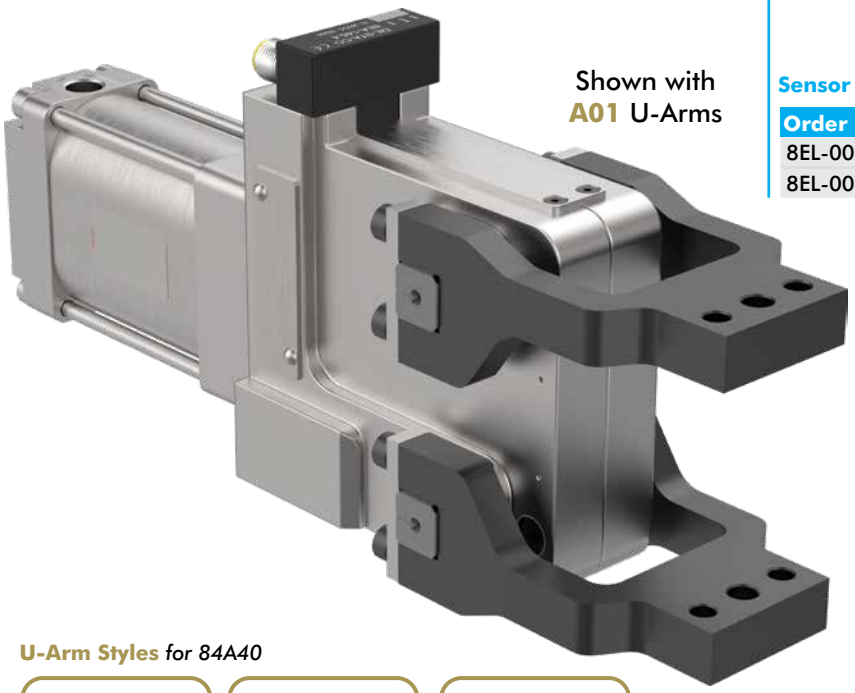
Sensor	Description
00	Without Sensing System
L8	PNP Sensor with In-line M12x1 Connector (8EA-146-4)
N8	NPN Sensor with In-line M12x1 Connector (8EA-154-4)
L9	PNP Sensor with 90° M12x1 Connector (8EA-147-4)
N9	NPN Sensor with 90° M12x1 Connector (8EA-155-4)
K8	PNP Sensor with M12x1 Cable Connector (8EA-158-4)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





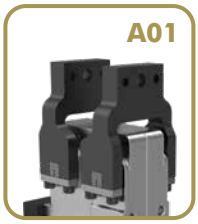
Sensor Cables Order separately

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



Shown with **A01** U-Arms

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

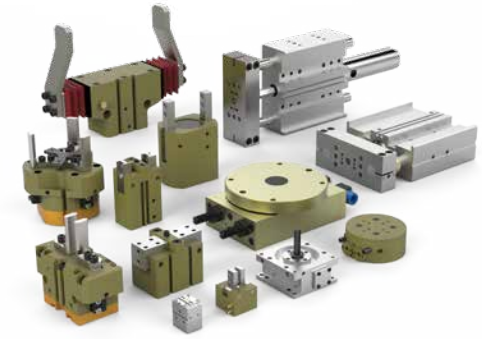
NOTES

NOTES

OUR PORTFOLIO OF PRODUCTS

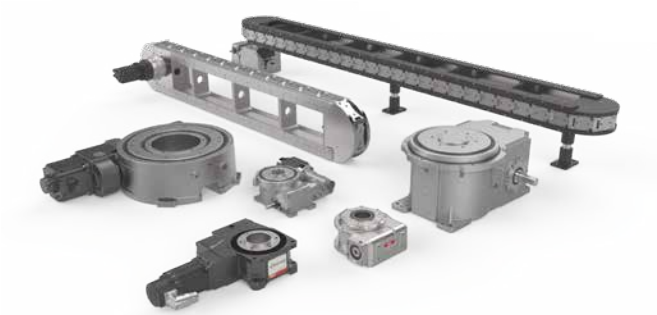
End Effectors (EE)

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



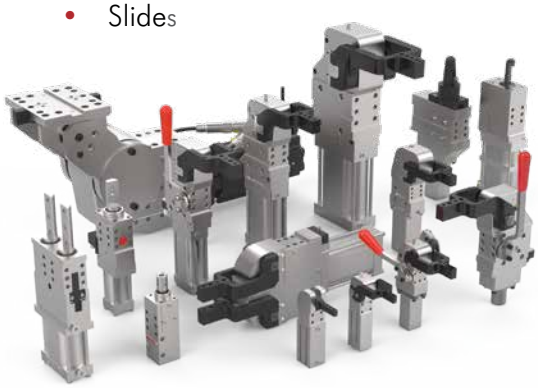
Grippers (GR)

- Electric Grippers
- Pneumatic and Sheet Metal Grippers
- Rotates
- Slides



Indexers (IN)

- Precision Conveyors
- Dial Indexers
- Shaft and Flange Indexers
- Part Handlers

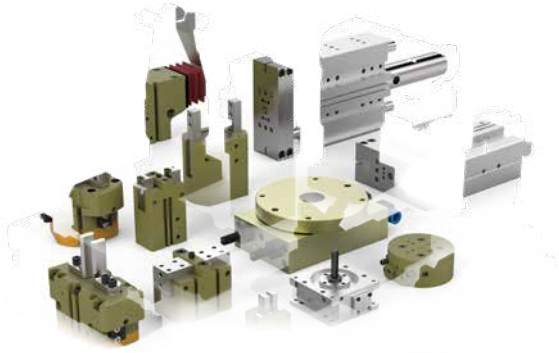


Power Clamps (PC)

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

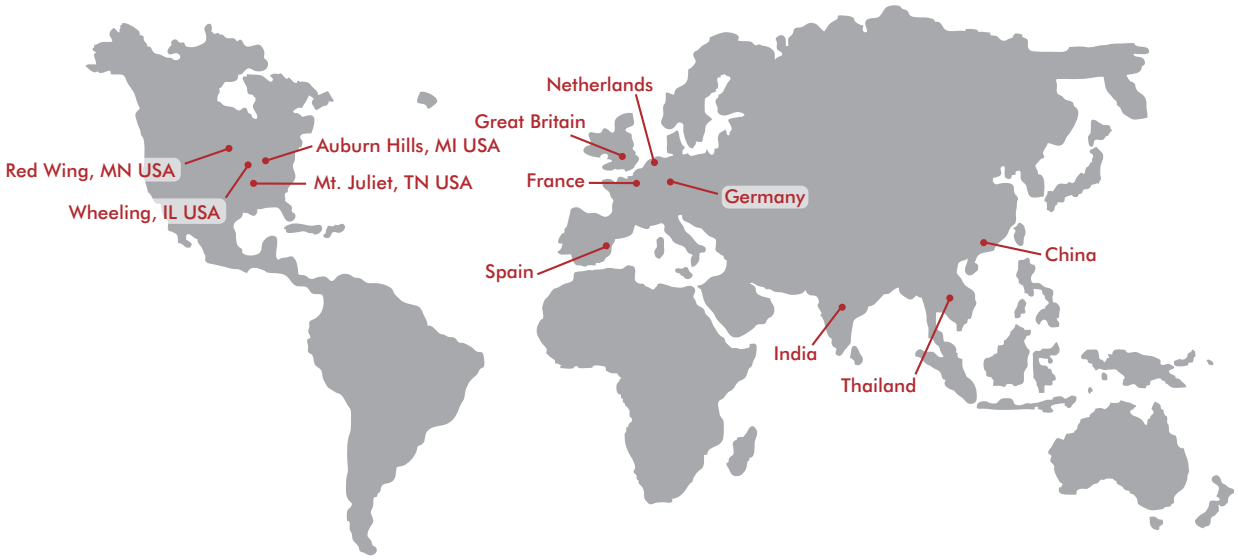
Manual Clamps (MC)

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



Sheet Metal Grippers (SM)

- Accelerate® Press Room
- Cam Type
- Toggle Lock



GLOBAL LOCATIONS

NORTH AMERICA

Corporate Headquarters
Auburn Hills, Michigan
Toll Free: 1.888.DESTACO
Marketing: marketing@destaco.com

Global Technology Center
Auburn Hills, Michigan
Tel: 1.248.836.6700
Customer Service: customerservice@destaco.com

Mt. Juliet, Tennessee
Tel: 1.888.DESTACO
Customer Service: customerservice@destaco.com

Wheeling, Illinois
Tel: 1.800.645.5207
Customer Service: camco@destaco.com

Red Wing, Minnesota (Central Research Laboratories)
Tel: 651.385.2142
Customer Service: sales@centres.com

ASIA

Thailand
Tel: +66-2-326-0812
Customer Service: info@destaco.com

China
Tel: +86-21-6081-2888
Customer Service: china@destaco.com

India
Tel: +91-80-41123421-426
Customer Service: india@destaco.com

EUROPE

Germany
Tel: +49-6171-705-0
Customer Service: europe@destaco.com

France
Tel: +33-4-73545001
Customer Service: france@destaco.com

Great Britain
Tel: +44-1902-797980
Customer Service: uk@destaco.com

Spain
Tel: +34-936361680
Customer Service: spain@destaco.com

Netherlands
Tel: +31-297285332
Customer Service: benelux@destaco.com

CLICK OR SCAN
QR code for the latest version of this document

© Copyright, 2020 DESTACO. All rights for layout, photos and text rest with the publisher DESTACO. All photomechanical or other reproductions only with our express permission. All sales are based on our terms and conditions of sale, delivery and payment.