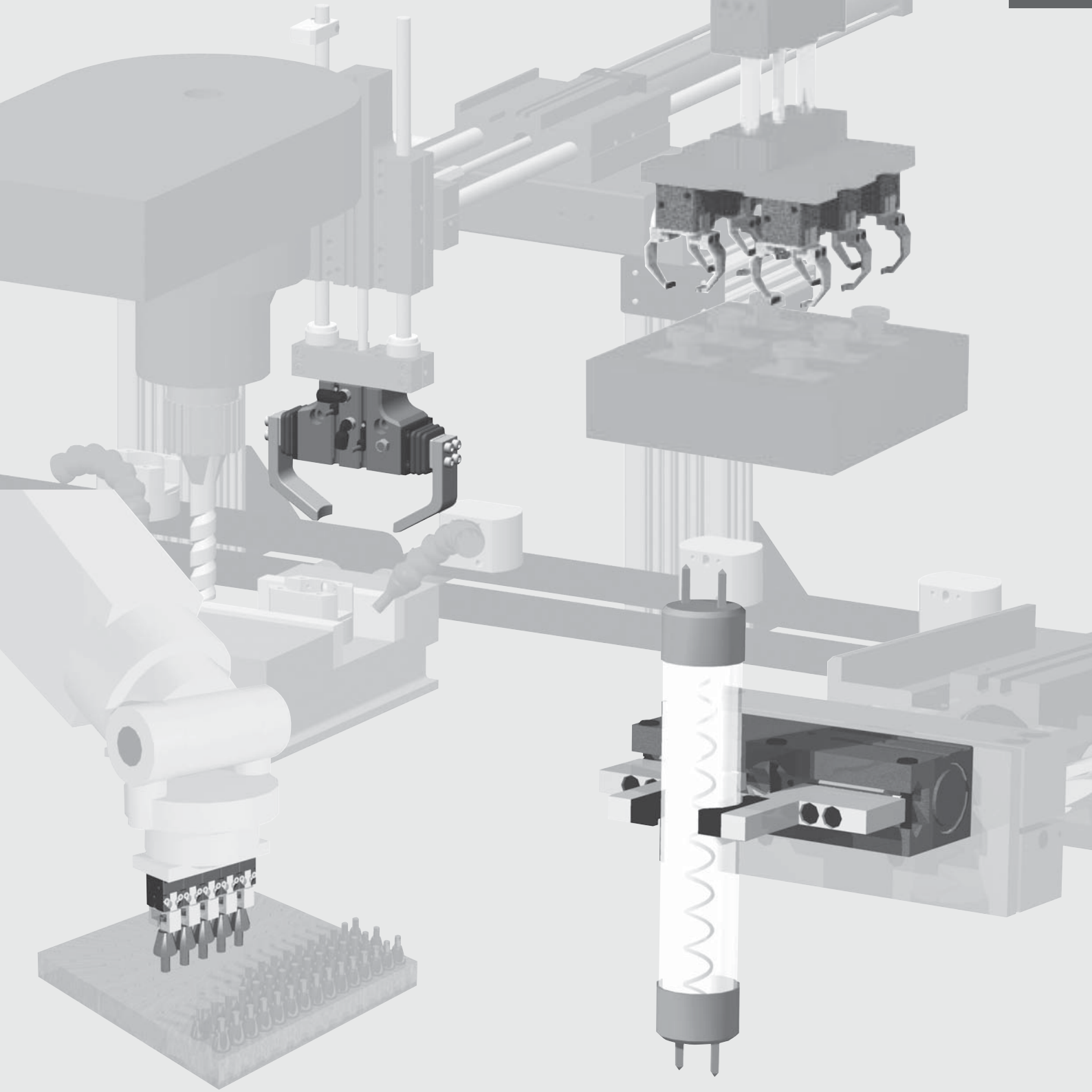


Parallel Grippers



Parallel Motion Gripper

DPE/RPE Electric Gripper

- Clean room class 100, class 10 with scavenge
- Cost comparable to pneumatic systems
- Eliminates need for pneumatics
- Utilizes 24VDC signal
- No programming or software required
- 60 parts per minute—no problem!
- Compact, lightweight design

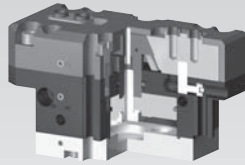


See Page **1.8**

Preferred Market: ● Global

RDH Series Two Jaw Parallel Gripper

- Shielded design deflects chips and other particulate away from the internal components
- Large surface area of the jaws allows for use of long fingers
- All gripper sizes are available in 2 strokes sizes.



See Page **1.20**

Preferred Market: ● Global

2P Series Precision Two Jaw Parallel Gripper

- Precision operation
- Cylindrical design
- Optional springs for failsafe operation or for increased grip forces
- Side or rear airports
- Tandem piston for double grip force
- Optional Protective Boot for harsh environments
- All gripper sizes are available in 2 strokes sizes

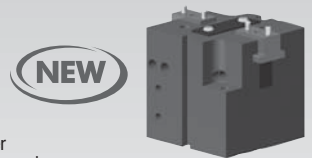


See Page **1.40**

Preferred Market: ■ EU ◆ SA

CP Series Compact Two Jaw Parallel Gripper

- Rugged, compact design
- Shielded design deflects chips and other particulate away from the internal components
- Optional springs for failsafe operation or for increased grip forces
- Side or rear airports
- Multi-sensor capable design
- All gripper sizes are available in 2 strokes sizes

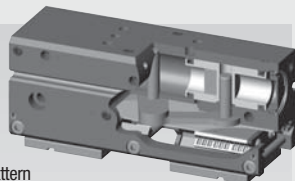


See Page **1.58**

Preferred Market: ■ EU

DPP Series DIRECTCONNECT Precision Gripper

- Featuring our DIRECTCONNECT™ mounting pattern
- “Dual-V” precision roller bearing design provides zero side play for excellent part position repeatability
- Optional double acting spring assist for increased force or failsafe operation
- Low friction design allows for delicate part handling
- Synchronized and non-synchronized versions available

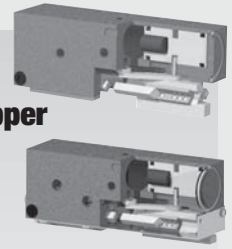


See Page **1.74**

Preferred Market: ● Global

RPL/RPLC Series Low Profile/Clean Room Gripper

- Lightweight, Compact
- Patented Dual “V” Roller Bearing System
- Excellent accuracy and repeatability
- Synchronized and non-synchronized versions available
- Designed for use in Class 10 clean rooms as well as in harsh environments
- Stainless Steel hardware and covers for durability
- Vacuum/Pressure port

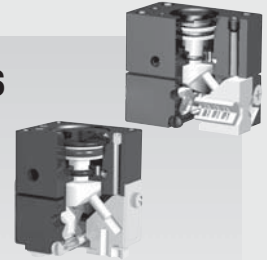


See Page **1.90**

Preferred Market: ● Global

RPM/RPMC Series Micro/Clean Room Gripper

- Extremely small size—as small as 5/8" wide!
- Compact design allows for gripping small parts in small spaces
- Top air manifold eliminates the need for air fittings and allows grippers to be mounted in close array
- Ultra low friction mechanism allows for consistent, repeatable gripping forces
- Shielded with purge port

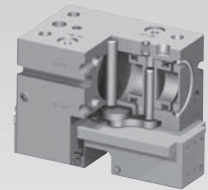


See Page **1.106**

Preferred Market: ● Global

DPG Series DIRECTCONNECT Modular Gripper

- Multiple DIRECTCONNECT™ mounting locations
- Multiple air port locations
- Spring assisted design for failsafe operation or increased grip force
- Shielded design repels contaminants
- Synchronized and non-synchronized versions

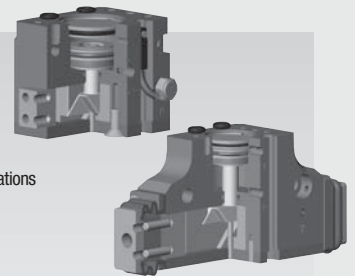


See Page **1.122**

Preferred Market: ● Global

DPDS & DPDL DIRECTCONNECT Modular Gripper

- Multiple DIRECTCONNECT™ mounting locations
- Multiple air port locations
- Multiple strokes per size
- Front-to-back thru-body mounting
- Extended strokes (DPDL)
- Purge/scavenge ports for harsh environments
- Optional corrosion resistant hardware, high temperature seals, and sealed jaw boot (DPDL)

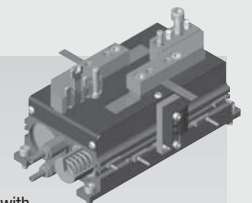


See Page **1.134**

Preferred Market: ● Global

DPL Series DIRECTCONNECT Long Stroke Gripper

- For use in confined spaces, combining long strokes with the high gripping force provided by two simultaneously acting pistons.
- Offers wide range of options and accessories (safety springs, in-line jaws, magneto resistive or inductive sensors).
- Enclosed, shielded design repels chips and other particulate from internal drive mechanism.



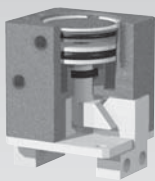
See Page **1.158**

Preferred Market: ● Global

Products Overview

RP Series Miniature Double Wedge Gripper

- Compact size, high gripping force, and extended jaw design facilitates finger attachment for smaller parts.
- High grip force to weight ratio make these grippers very popular on small robots.
- Miniature size allows banks of grippers to be mounted in close proximity for multiple part picking and placing.
- Internally sealed for use in hostile environments

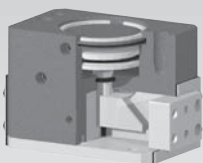


See Page **1.170**

Preferred Market: ● Global

RP Series Double Wedge Gripper

- Patented "Double Wedge Design" for extreme high grip force to size ratio
- Internally sealed for use in hostile environments
- Superior accuracy and repeatability
- Made from 7075-T6 aircraft quality aluminum hardcoat anodized to RC60 with Teflon® impregnation
- Highest grip force to weight/size ratio in the industry

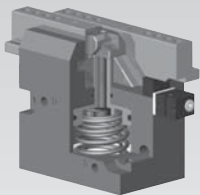


See Page **1.176**

Preferred Market: ● Global

GC Series Precision Parallel Gripper

- Precision operation
- Spring assist
- Grippers are fitted with 2 sensor holders (sensor available separately)
- Side or rear airports
- Optional 3rd sensor for part sensing, Viton® seals for high temperature applications, and encoder available

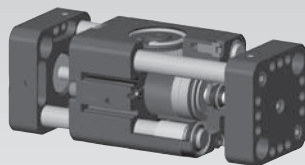


See Page **1.186**

Preferred Market: ● Global

DPW Series DIRECTCONNECT™ Wide Body Gripper

- Features our DIRECTCONNECT™ mounting pattern
- Excellent jaw support through the full body of the gripper
- Highly configurable gripper featuring multiple options and accessories
- Synchronized and non-synchronized versions available
- Each gripper is offered in 2 different strokes

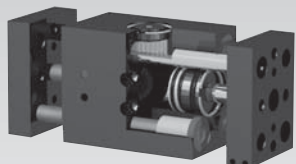


See Page **1.196**

Preferred Market: ● Global

RPW Series Large Format Wide Body Gripper

- Excellent jaw support through the full body of the gripper
- High gripping forces utilizing two opposing pistons
- Synchronized and non-synchronized versions available
- Superior accuracy and repeatability
- Sealed design for harsh environments

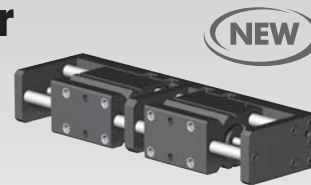


See Page **1.214**

Preferred Market: ● Global

RPR Gladiator Heavy Duty Parallel Gripper

- Wide body, long stroke design
- Designed for machining and foundry applications
- Rigid design and full body support of jaws allows for longer finger lengths
- High temperature design available

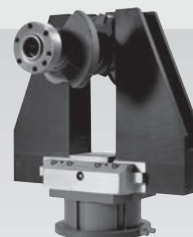


See Page **1.222**

Preferred Market: ▲ NA ◆ SA

B-Series Industrial Grippers

- For large and wide parts in machining and foundry applications
- Heavy duty, rugged designs
- Extremely high grip forces and moment loads



See Page **1.228**

Preferred Market: ▲ NA ◆ SA

RTH Series Three Jaw Centering Gripper

- Shielded design (DTH) deflects chips and other particulate away from the internal components
- Large surface area of the jaws allows for use of long fingers

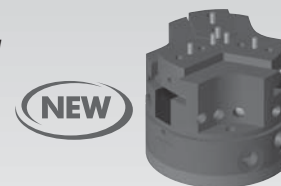


See Page **1.230**

Preferred Market: ● Global

3P Series Precision Three Jaw Parallel Gripper

- Precision operation
- Cylindrical design
- Optional springs for failsafe operation or for increased grip forces
- Side or rear airports
- Tandem piston for double grip force
- Optional Protective Boot for harsh environments
- All gripper sizes are available in 2 strokes sizes

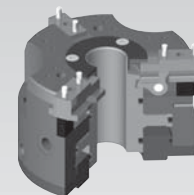


See Page **1.252**

Preferred Market: ■ EU ◆ SA

PPC Series Through Hole Gripper

- Unique through hole design
- 3 jaw concentric parallel gripper
- Shielded design protects internal components for increased life in harsh environments
- Optional safety springs, extended strokes, sensors, and high temperature seals



See Page **1.268**

Preferred Market: ● Global

Destaco-Robohand Parallel Gripper Product Selector

Model #	Stroke Range	Total Grip Force Range	Maximum Finger Length @ 60 PSI (4 bar)	Actuation Time	Operating Pressure	Environment	Fail-safe Operation	Inductive Sensors	Magneto Resistive Sensors	Double Acting Cylinder	Single Acting/Spring Return	Double Acting/Spring Assist	Non-Synchronous Option
Two Jaws 0 - 0.25 in. [0 - 6.3mm] 0.25 - 0.50 in. [6.3 - 12.7mm] 0.50 - 0.75 in. [12.7 - 19.1mm] 0.75 - 1.00 in. [19.1 - 25.4mm] 1.00 - 1.25 in. [25.4 - 31.8mm] 1.25 - 1.50 in. [31.8 - 38.1mm] 1.50 - 1.75 in. [38.1 - 44.5mm] 1.75 - 2.00 in. [44.5 - 50.8mm] 2.00 - 2.25 in. [50.8 - 57.1mm] 2.25 - 2.50 in. [57.1 - 63.5mm] 2.50 - 2.75 in. [63.5 - 69.8mm] 2.75 - 3.00 in. [69.8 - 76.2mm] 3.00+ [76.2mm+]													
Three Jaws 1 - 10 lbs. [0.45 - 45N] 10 - 25 lbs. [45 - 111N] 25 - 50 lbs. [111 - 223N] 50 - 100 lbs. [223 - 445N] 100 - 500 lbs. [445 - 2225N] 500 - 3000 lbs. [2225 - 13350N]													
0 - 2 in. [0 - 50.8mm] 2 - 4 in. [50.8 - 102mm] 4 - 6 in. [102 - 152mm] 6 - 8 in. [152 - 203mm] 8 - 10 in. [203 - 254mm] 10 - 12 in. [254 - 305mm] 12 - 14 in. [305 - 356mm] 14 - 16 in. [356 - 406mm] 16 - 18 in. [406 - 457mm] 18 - 20 in. [457 - 508mm] 20 in.+ [508mm+]													
0.05 - 0.1 sec. 0.1 - 0.5 sec. 0.5 - 0.75 sec. 0.75 - 1 sec.													
5 - 100 psi [0.3 - 7 bar] 20 - 100 psi [1.5 - 7 bar] 40 - 100 psi [3 - 7 bar] 50 - 100 psi [3.5 - 7 bar]													
24VDC Electric Actuation Clean Room Environment Normal Environment Harsh/Dirty Environment													
Fail-safe Operation Inductive Sensors Magneto Resistive Sensors													
Double Acting Cylinder Single Acting/Spring Return Double Acting/Spring Assist													
Non-Synchronous Option													
DPE ELECTRIC GRIPPER													
DPE-200-25													
RPE ELECTRIC GRIPPER													
RPE-100													
RPE-101													
RDW/DDH SHIELDED 2 JAW DESIGN													
RDH-1													
RDH-1-L													
RDH-2													
RDH-2-L													
RDH-3													
RDH-3-L													
RDH-4													
RDH-4-L													
RDH-5													
RDH-5-L													
RDH-6													
RDH-6-L													
RDH-7													
RDH-7-L													
RDH-8													
RDH-8-L													
2P PRECISION DESIGN													
6002P													
6002P-C													
8002P													
8002P-C													
11002P													
11002P-C													
14002P													
14002P-C													
16502P													
16502P-C													
16502PGR													
CP SQUARE DESIGN													
CP-1													
CP-1-C													
CP-2													
CP-2-C													
CP-3													
CP-3-C													
CP-4													
CP-4-C													
CP-5													
CP-5-C													
CP-6													
CP-6-C													
DIRECTCONNECT PRECISION "DUAL-V" DESIGN													
DPP-10M-06													
DPP-10M-12													
DPP-14M-15													
DPP-14M-25													
DPP-20M-25													
DPP-20M-38													
LOW PROFILE DESIGN													
RPL-1													
RPL-2													
RPL-3													
RPL-4													
LOW PROFILE CLEAN ROOM DESIGN													
RPLC-1													
RPLC-2													
RPLC-3													
RPLC-4													
MICRO DESIGN													
RPM-1													
RPM-2													
RPM-3													
MICRO CLEAN ROOM DESIGN													
RPMC-1													
RPMC-2													
RPMC-3													

Continued on next page

Destaco-Robohand Parallel Gripper Product Selector

Model #	Stroke Range	Total Grip Force Range	Maximum Finger Length @ 60 PSI [4 bar]	Actuation Time	Operating Pressure	Environment	Inductive Sensors	Magneto Resistive Sensors	Double Acting Cylinder	Single Acting/Spring Return	Double Acting/Spring Assist	Non-Synchronous Option
DIRECTCONNECT GIB DESIGN												
DPG-10-1	0 - 0.25 in. [0 - 6.3mm]	1 - 10 lbs. [0.45 - 45N]	0 - 2 in. [0 - 50.8mm]	0.05 - 0.1 sec.	5 - 100 psi [0.3 - 7 bar]	Clean Room Environment						
DPG-10-2	0.25 - 0.50 in. [6.3 - 12.7mm]	10 - 25 lbs. [45 - 111N]	2 - 4 in. [50.8 - 102mm]	0.1 - 0.5 sec.	20 - 100 psi [1.5 - 7 bar]	Normal Environment						
DPG-10-3	0.50 - 0.75 in. [12.7 - 19.1mm]	25 - 50 lbs. [111 - 223N]	4 - 6 in. [102 - 152mm]	0.5 - 0.75 sec.	40 - 100 psi [3 - 7 bar]	Harsh/Dirty Environment						
DPG-10-4	0.75 - 1.00 in. [19.1 - 25.4mm]	50 - 100 lbs. [223 - 445N]	6 - 8 in. [152 - 203mm]	0.75 - 1 sec.	50 - 100 psi [3.5 - 7 bar]							
DIRECTCONNECT DOUBLE WEDGE DESIGN												
DPDS-047	1.00 - 1.25 in. [25.4 - 31.8mm]	100 - 500 lbs. [445 - 2225N]	8 - 10 in. [203 - 254mm]									
DPDS-056	1.25 - 1.50 in. [31.8 - 38.1mm]	500 - 3000 lbs. [2225 - 13350N]	10 - 12 in. [254 - 305mm]									
DPDS-088	1.50 - 1.75 in. [38.1 - 44.5mm]		12 - 14 in. [305 - 356mm]									
DPDS-125	1.75 - 2.00 in. [44.5 - 50.8mm]		14 - 16 in. [356 - 406mm]									
DPDL-047	1.75 - 2.00 in. [44.5 - 50.8mm]		16 - 18 in. [406 - 457mm]									
DPDL-056	2.00 - 2.25 in. [50.8 - 57.1mm]		18 - 20 in. [457 - 508mm]									
DPDL-088	2.25 - 2.50 in. [57.1 - 63.5mm]		20 in.+ [508mm+]									
DPDL-125	2.50 - 2.75 in. [63.5 - 69.8mm]											
DPDL-125	3.00+ [76.2mm+]											
DIRECTCONNECT LONG STROKE DESIGN												
DPL-2520	0 - 0.25 in. [0 - 6.3mm]	1 - 10 lbs. [0.45 - 45N]	0 - 2 in. [0 - 50.8mm]	0.05 - 0.1 sec.	5 - 100 psi [0.3 - 7 bar]	Clean Room Environment						
DPL-2535	0.25 - 0.50 in. [6.3 - 12.7mm]	10 - 25 lbs. [45 - 111N]	2 - 4 in. [50.8 - 102mm]	0.1 - 0.5 sec.	20 - 100 psi [1.5 - 7 bar]	Normal Environment						
DPL-3230	0.50 - 0.75 in. [12.7 - 19.1mm]	25 - 50 lbs. [111 - 223N]	4 - 6 in. [102 - 152mm]	0.5 - 0.75 sec.	40 - 100 psi [3 - 7 bar]	Harsh/Dirty Environment						
DPL-3250	0.75 - 1.00 in. [19.1 - 25.4mm]	50 - 100 lbs. [223 - 445N]	6 - 8 in. [152 - 203mm]	0.75 - 1 sec.	50 - 100 psi [3.5 - 7 bar]							
DPL-4040	1.00 - 1.25 in. [25.4 - 31.8mm]	100 - 500 lbs. [445 - 2225N]	8 - 10 in. [203 - 254mm]									
DPL-4070	1.25 - 1.50 in. [31.8 - 38.1mm]	500 - 3000 lbs. [2225 - 13350N]	10 - 12 in. [254 - 305mm]									
DOUBLE WEDGE DESIGN												
RP-5	0 - 0.25 in. [0 - 6.3mm]	1 - 10 lbs. [0.45 - 45N]	0 - 2 in. [0 - 50.8mm]	0.05 - 0.1 sec.	5 - 100 psi [0.3 - 7 bar]	Clean Room Environment						
RP-10	0.25 - 0.50 in. [6.3 - 12.7mm]	10 - 25 lbs. [45 - 111N]	2 - 4 in. [50.8 - 102mm]	0.1 - 0.5 sec.	20 - 100 psi [1.5 - 7 bar]	Normal Environment						
RP-11	0.50 - 0.75 in. [12.7 - 19.1mm]	25 - 50 lbs. [111 - 223N]	4 - 6 in. [102 - 152mm]	0.5 - 0.75 sec.	40 - 100 psi [3 - 7 bar]	Harsh/Dirty Environment						
RP-12	0.75 - 1.00 in. [19.1 - 25.4mm]	50 - 100 lbs. [223 - 445N]	6 - 8 in. [152 - 203mm]	0.75 - 1 sec.	50 - 100 psi [3.5 - 7 bar]							
RP-15	1.00 - 1.25 in. [25.4 - 31.8mm]	100 - 500 lbs. [445 - 2225N]	8 - 10 in. [203 - 254mm]									
RP-17	1.25 - 1.50 in. [31.8 - 38.1mm]	500 - 3000 lbs. [2225 - 13350N]	10 - 12 in. [254 - 305mm]									
RP-18	1.50 - 1.75 in. [38.1 - 44.5mm]		12 - 14 in. [305 - 356mm]									
RP-19	1.75 - 2.00 in. [44.5 - 50.8mm]		14 - 16 in. [356 - 406mm]									
PRECISION DESIGN												
DGC-25	0 - 0.25 in. [0 - 6.3mm]	1 - 10 lbs. [0.45 - 45N]	0 - 2 in. [0 - 50.8mm]	0.05 - 0.1 sec.	5 - 100 psi [0.3 - 7 bar]	Clean Room Environment						
DGC-45	0.25 - 0.50 in. [6.3 - 12.7mm]	10 - 25 lbs. [45 - 111N]	2 - 4 in. [50.8 - 102mm]	0.1 - 0.5 sec.	20 - 100 psi [1.5 - 7 bar]	Normal Environment						
DGC-65	0.50 - 0.75 in. [12.7 - 19.1mm]	25 - 50 lbs. [111 - 223N]	4 - 6 in. [102 - 152mm]	0.5 - 0.75 sec.	40 - 100 psi [3 - 7 bar]	Harsh/Dirty Environment						
GC-85	0.75 - 1.00 in. [19.1 - 25.4mm]	50 - 100 lbs. [223 - 445N]	6 - 8 in. [152 - 203mm]	0.75 - 1 sec.	50 - 100 psi [3.5 - 7 bar]							
GC-105	1.00 - 1.25 in. [25.4 - 31.8mm]	100 - 500 lbs. [445 - 2225N]	8 - 10 in. [203 - 254mm]									
DIRECTCONNECT WIDE BODY DESIGN												
DPW-250M-1	0 - 0.25 in. [0 - 6.3mm]	1 - 10 lbs. [0.45 - 45N]	0 - 2 in. [0 - 50.8mm]	0.05 - 0.1 sec.	5 - 100 psi [0.3 - 7 bar]	Clean Room Environment						
DPW-250M-2	0.25 - 0.50 in. [6.3 - 12.7mm]	10 - 25 lbs. [45 - 111N]	2 - 4 in. [50.8 - 102mm]	0.1 - 0.5 sec.	20 - 100 psi [1.5 - 7 bar]	Normal Environment						
DPW-375M-1	0.50 - 0.75 in. [12.7 - 19.1mm]	25 - 50 lbs. [111 - 223N]	4 - 6 in. [102 - 152mm]	0.5 - 0.75 sec.	40 - 100 psi [3 - 7 bar]	Harsh/Dirty Environment						
DPW-375M-2	0.75 - 1.00 in. [19.1 - 25.4mm]	50 - 100 lbs. [223 - 445N]	6 - 8 in. [152 - 203mm]	0.75 - 1 sec.	50 - 100 psi [3.5 - 7 bar]							
DPW-500M-1	1.00 - 1.25 in. [25.4 - 31.8mm]	100 - 500 lbs. [445 - 2225N]	8 - 10 in. [203 - 254mm]									
DPW-500M-2	1.25 - 1.50 in. [31.8 - 38.1mm]	500 - 3000 lbs. [2225 - 13350N]	10 - 12 in. [254 - 305mm]									
LARGE FORMAT WIDE BODY DESIGN												
RPW-625-1	0 - 0.25 in. [0 - 6.3mm]	1 - 10 lbs. [0.45 - 45N]	0 - 2 in. [0 - 50.8mm]	0.05 - 0.1 sec.	5 - 100 psi [0.3 - 7 bar]	Clean Room Environment						
RPW-625-2	0.25 - 0.50 in. [6.3 - 12.7mm]	10 - 25 lbs. [45 - 111N]	2 - 4 in. [50.8 - 102mm]	0.1 - 0.5 sec.	20 - 100 psi [1.5 - 7 bar]	Normal Environment						
RPW-750	0.50 - 0.75 in. [12.7 - 19.1mm]	25 - 50 lbs. [111 - 223N]	4 - 6 in. [102 - 152mm]	0.5 - 0.75 sec.	40 - 100 psi [3 - 7 bar]	Harsh/Dirty Environment						
GLADIATOR GRIPPER												
RPR-57-200	0 - 0.25 in. [0 - 6.3mm]	1 - 10 lbs. [0.45 - 45N]	0 - 2 in. [0 - 50.8mm]	0.05 - 0.1 sec.	5 - 100 psi [0.3 - 7 bar]	Clean Room Environment						
"B-SERIES" INDUSTRIAL GRIPPERS												
BPW-1600	0 - 0.25 in. [0 - 6.3mm]	1 - 10 lbs. [0.45 - 45N]	0 - 2 in. [0 - 50.8mm]	0.05 - 0.1 sec.	5 - 100 psi [0.3 - 7 bar]	Clean Room Environment						
BPW-2000	0.25 - 0.50 in. [6.3 - 12.7mm]	10 - 25 lbs. [45 - 111N]	2 - 4 in. [50.8 - 102mm]	0.1 - 0.5 sec.	20 - 100 psi [1.5 - 7 bar]	Normal Environment						
BRP-20	0.50 - 0.75 in. [12.7 - 19.1mm]	25 - 50 lbs. [111 - 223N]	4 - 6 in. [102 - 152mm]	0.5 - 0.75 sec.	40 - 100 psi [3 - 7 bar]	Harsh/Dirty Environment						
BRP-21	0.75 - 1.00 in. [19.1 - 25.4mm]	50 - 100 lbs. [223 - 445N]	6 - 8 in. [152 - 203mm]	0.75 - 1 sec.	50 - 100 psi [3.5 - 7 bar]							
BRP-21-D	1.00 - 1.25 in. [25.4 - 31.8mm]	100 - 500 lbs. [445 - 2225N]	8 - 10 in. [203 - 254mm]									
BPG-160	1.25 - 1.50 in. [31.8 - 38.1mm]	500 - 3000 lbs. [2225 - 13350N]	10 - 12 in. [254 - 305mm]									
RTH/DTH SHIELDED 3 JAW DESIGN												
RTH/DTH-1	0 - 0.25 in. [0 - 6.3mm]	1 - 10 lbs. [0.45 - 45N]	0 - 2 in. [0 - 50.8mm]	0.05 - 0.1 sec.	5 - 100 psi [0.3 - 7 bar]	Clean Room Environment						
RTH/DTH-1-L	0.25 - 0.50 in. [6.3 - 12.7mm]	10 - 25 lbs. [45 - 111N]	2 - 4 in. [50.8 - 102mm]	0.1 - 0.5 sec.	20 - 100 psi [1.5 - 7 bar]	Normal Environment						
RTH/DTH-2	0.50 - 0.75 in. [12.7 - 19.1mm]	25 - 50 lbs. [111 - 223N]	4 - 6 in. [102 - 152mm]	0.5 - 0.75 sec.	40 - 100 psi [3 - 7 bar]	Harsh/Dirty Environment						
RTH/DTH-2-L	0.75 - 1.00 in. [19.1 - 25.4mm]	50 - 100 lbs. [223 - 445N]	6 - 8 in. [152 - 203mm]	0.75 - 1 sec.	50 - 100 psi [3.5 - 7 bar]							
RTH/DTH-3	1.00 - 1.25 in. [25.4 - 31.8mm]	100 - 500 lbs. [445 - 2225N]	8 - 10 in. [203 - 254mm]									
RTH/DTH-3-L	1.25 - 1.50 in. [31.8 - 38.1mm]	500 - 3000 lbs. [2225 - 13350N]	10 - 12 in. [254 - 305mm]									
RTH/DTH-4	1.50 - 1.75 in. [38.1 - 44.5mm]		12 - 14 in. [305 - 356mm]									
RTH/DTH-4-L	1.75 - 2.00 in. [44.5 - 50.8mm]		14 - 16 in. [356 - 406mm]									
RTH/DTH-5	2.00 - 2.25 in. [50.8 - 57.1mm]		16 - 18 in. [406 - 457mm]									
RTH/DTH-5-L	2.25 - 2.50 in. [57.1 - 63.5mm]		18 - 20 in. [457 - 508mm]									
RTH/DTH-6	2.50 - 2.75 in. [63.5 - 69.8mm]		20 in.+ [508mm+]									
RTH/DTH-6-L	3.00+ [76.2mm+]											
RTH/DTH-7	0 - 0.25 in. [0 - 6.3mm]	1 - 10 lbs. [0.45 - 45N]	0 - 2 in. [0 - 50.8mm]	0.05 - 0.1 sec.	5 - 100 psi [0.3 - 7 bar]	Clean Room Environment						
RTH/DTH-7-L	0.25 - 0.50 in. [6.3 - 12.7mm]	10 - 25 lbs. [45 - 111N]	2 - 4 in. [50.8 - 102mm]	0.1 - 0.5 sec.	20 - 100 psi [1.5 - 7 bar]	Normal Environment						
RTH/DTH-8	0.50 - 0.75 in. [12.7 - 19.1mm]	25 - 50 lbs. [111 - 223N]	4 - 6 in. [102 - 152mm]	0.5 - 0.75 sec.	40 - 100 psi [3 - 7 bar]	Harsh/Dirty Environment						
RTH/DTH-8-L	0.75 - 1.00 in. [19.1 - 25.4mm]	50 - 100 lbs. [223 - 445N]	6 - 8 in. [152 - 203mm]	0.75 - 1 sec.	50 - 100 psi [3.5 - 7 bar]							

Continued on next page

Destaco-Robohand Parallel Gripper Product Selector

Model #	Stroke Range	Total Grip Force Range	Maximum Finger Length @ 60 PSI [4 bar]	Actuation Time	Operating Pressure	Environment	Fail-safe Operation	Inductive Sensors	Magneto Resistive Sensors	Double Acting Cylinder	Single Acting/Spring Return	Double Acting/Spring Assist	Non-Synchronous Option
<div style="display: flex; justify-content: space-between; font-size: small;"> <div> <p>Two Jaws</p> <p>Three Jaws</p> </div> <div> <p>0 - 0.25 in. [0 - 6.3mm]</p> <p>0.25 - 0.50 in. [6.3 - 12.7mm]</p> <p>0.50 - 0.75 in. [12.7 - 19.1mm]</p> <p>0.75 - 1.00 in. [19.1 - 25.4mm]</p> <p>1.00 - 1.25 in. [25.4 - 31.8mm]</p> <p>1.25 - 1.50 in. [31.8 - 38.1mm]</p> <p>1.50 - 1.75 in. [38.1 - 44.5mm]</p> <p>1.75 - 2.00 in. [44.5 - 50.8mm]</p> <p>2.00 - 2.25 in. [50.8 - 57.1mm]</p> <p>2.25 - 2.50 in. [57.1 - 63.5mm]</p> <p>2.50 - 2.75 in. [63.5 - 69.8mm]</p> <p>2.75 - 3.00 in. [69.8 - 76.2mm]</p> <p>3.00+ [76.2mm+]</p> </div> <div> <p>1 - 10 lbs. [0.45 - 45N]</p> <p>10 - 25 lbs. [45 - 111N]</p> <p>25 - 50 lbs. [111 - 223N]</p> <p>50 - 100 lbs. [223 - 445N]</p> <p>100 - 500 lbs. [445 - 2225N]</p> <p>500 - 3000 lbs. [2225 - 13350N]</p> </div> <div> <p>0 - 2 in. [0 - 50.8mm]</p> <p>2 - 4 in. [50.8 - 102mm]</p> <p>4 - 6 in. [102 - 152mm]</p> <p>6 - 8 in. [152 - 203mm]</p> <p>8 - 10 in. [203 - 254mm]</p> <p>10 - 12 in. [254 - 305mm]</p> <p>12 - 14 in. [305 - 356mm]</p> <p>14 - 16 in. [356 - 406mm]</p> <p>16 - 18 in. [406 - 457mm]</p> <p>18 - 20 in. [457 - 508mm]</p> <p>20 in.+ [508mm+]</p> </div> <div> <p>0.05 - 0.1 sec.</p> <p>0.1 - 0.5 sec.</p> <p>0.5 - 0.75 sec.</p> <p>0.75 - 1 sec.</p> </div> <div> <p>5 - 100 psi [0.3 - 7 bar]</p> <p>20 - 100 psi [1.5 - 7 bar]</p> <p>40 - 100 psi [3 - 7 bar]</p> <p>50 - 100 psi [3.5 - 7 bar]</p> <p>70 - 150 psi [5 - 7 bar]</p> </div> <div> <p>Clean Room Environment</p> <p>Normal Environment</p> <p>Harsh/Dirty Environment</p> </div> <div> <p>Fail-safe Operation</p> </div> <div> <p>Inductive Sensors</p> <p>Magneto Resistive Sensors</p> </div> <div> <p>Double Acting Cylinder</p> <p>Single Acting/Spring Return</p> <p>Double Acting/Spring Assist</p> <p>Non-Synchronous Option</p> </div> </div>													
3P PRECISION DESIGN													
6003P	•	•	•	•	•	•	•	•	•	•	•	•	•
6003P-C	•	•	•	•	•	•	•	•	•	•	•	•	•
8003P	•	•	•	•	•	•	•	•	•	•	•	•	•
8003P-C	•	•	•	•	•	•	•	•	•	•	•	•	•
11003P	•	•	•	•	•	•	•	•	•	•	•	•	•
11003P-C	•	•	•	•	•	•	•	•	•	•	•	•	•
14003P	•	•	•	•	•	•	•	•	•	•	•	•	•
14003P-C	•	•	•	•	•	•	•	•	•	•	•	•	•
16503P	•	•	•	•	•	•	•	•	•	•	•	•	•
16503P-C	•	•	•	•	•	•	•	•	•	•	•	•	•
PPC THROUGH HOLE DESIGN													
PPC-12	•	•	•	•	•	•	•	•	•	•	•	•	•
PPC-12-C	•	•	•	•	•	•	•	•	•	•	•	•	•
PPC-25	•	•	•	•	•	•	•	•	•	•	•	•	•
PPC-25-C	•	•	•	•	•	•	•	•	•	•	•	•	•
PPC-34	•	•	•	•	•	•	•	•	•	•	•	•	•
PPC-34-C	•	•	•	•	•	•	•	•	•	•	•	•	•



DESIGN NOTES

