Parallel Grippers-2-Jaw Parallel Series

Machine applications:

The 2 symmetric jaws and excellent repeatability allow for precise handling of various parts.

Harsh environments:

Shielded design repels chips and other particulate from internal drive mechanism.

Compact, robust and powerful gripper:

This gripper is designed for use in confined spaces, combining long strokes with a high grip force. Optional safety springs retain the components, should the air supply fail or to increase grip force.

Different strokes:

All gripper sizes are available in 2 strokes sizes.

For long fingers applications:

The large surface area of the jaws, coupled with the encapsulated bottom case design allows for long fingers applications.

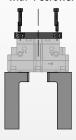
Multi-purpose gripper:

A wide range of options and accessories (extended stroke, safety springs for internal or external gripping, magneto resistive or inductive sensors) allow these grippers to be used in a wide number of applications.

Mounting Information:

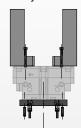
Grippers can be mounted & operated in any orientation

Gripper is located using 2 dowel pins and assembled from the top with 4 screws.



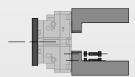


Gripper can also be assembled from the bottom with 4 through body screws.



Gripper is protected from debris when operated upside down.

Gripper can be operated utilizing top manifold air ports



Fingers are located on jaws with 2 dowel sleeves (provided) and assembled with 2 screws.

Technical Specifications:

Pneumatic Specifications

Pressure Operating Range

without Springs Cylinder Type

30-100 psi

Imperial

Double Acting or Double Acting Spring Assist or Single Acting Spring Return

Metric

2-7 bar

Dynamic Seals **Internally Lubricated Buna-N**

Valve Required to Operate: **Double Acting** Single Acting (-C or -O Option)

4-way, 2-position 3-way, 2-position

Air Quality Requirements

Air Filtration 40 Micron or Better Air Lubrication Not Necessary* **Low Moisture Content (dry)** Air Humidity

Temperature Operating Range

Buna-N Seals (Standard) -30°~180° F -35°~80° C Viton® Seals (Optional) -20°~300° F -30°~150° C

Maintenance Specifications[†]

Expected Life

Normal Application w/ Preventative Maintenance Field Repairable

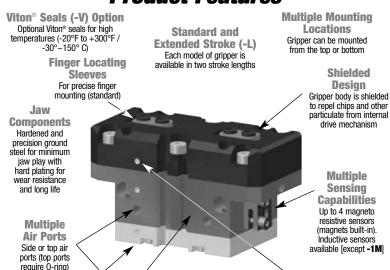
5 million cycles 10+ million cycles* Yes Yes

Seal Repair Kits Available

*Addition of lubrication will greatly increase service life

See Maintenance Section

Product Features



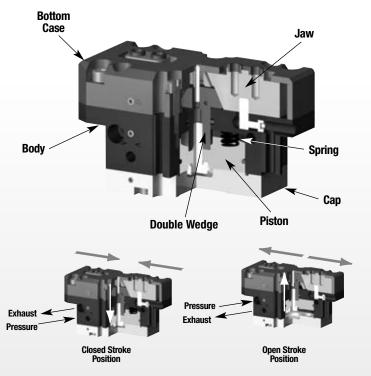
Optional Spring Assist

Optional spring assist retains the component should the air supply fail, to assist the gripper for internal (-0) or external (-C) gripping, or in single acting or spring assist mode

Standard Purge/ Scavenge Port

Used with a vacuum for clean room environments or positive pressure for harsh environments

Operating Principle



- A double acting piston is connected to a double sided wedge.
- The double wedge slides into a slot in each of the jaws converting the vertical motion of the wedge into a horizontal motion of the jaws.
- Each jaw moves within the bottom case, the closed design increases the rigidity and permits the use of longer fingers. The large surface area of the guiding system allows for higher moments loads.
- This gripper is suitable for internal or external gripping using single or double acting mode.

Style -RDH Parallel Gripper

 Size
 -1M
 RDH-1M
 RDH-1M-L

 Total Stroke:
 0.16 in.
 4 mm
 0.31 in.
 8 mm

 Grip Force:
 156 lbs
 693 N
 102 lbs
 452 N

 Weight:
 0.4 lbs
 0.19 Kg
 0.4 lbs
 0.19 Kg

See **1.22**

Style -RDH Parallel Gripper

 Size
 -2M
 RDH-2M
 RDH-2M-L

 Total Stroke:
 0.23 in.
 6 mm
 0.47 in.
 12 mm

 Grip Force:
 226 lbs
 1006 N
 149 lbs
 661 N

 Weight:
 0.9 lbs
 0.39 kg
 0.9 lbs
 0.39 kg

See **1.24**

Style -RDH Parallel Gripper

 Size
 -3M
 RDH-3M
 RDH-3M-L

 Total Stroke:
 0.31 in.
 8 mm
 0.62 in.
 16 mm

 Grip Force:
 379 lbs
 1683 N
 246 lbs
 1094 N

 Weight:
 1.8 lbs
 0.82 Kg
 1.8 lbs
 0.82 Kg

See 1.26

Style -RDH Parallel Gripper

 Size
 -4M
 RDH-4M L
 RDH-4M-L

 Total Stroke:
 0.39 in.
 10 mm
 0.78 in.
 20 mm

 Grip Force:
 628 lbs
 2789 N
 408 lbs
 1814 N

 Weight:
 3.1 lbs
 1.43 Kg
 3.1 lbs
 1.43 Kg

See **1.28**

Style -RDH Parallel Gripper

 Fixed Processing
 RDH-5M (1.01 in.)
 RDH-5M-L (1.01 in.)

See **1.30**

Style -RDH Parallel Gripper

 Fize
 RDH-6M
 RDH-6M-L

 Total Stroke:
 0.62 in.
 16 mm
 1.25 in.
 32 mm

 Grip Force:
 1944 lbs
 8640 N
 1265 lbs
 5623 N

 Weight:
 12.7 lbs
 5.77 Kg
 12.7 lbs
 5.77 Kg

See **1.32**

Style -RDH Parallel Gripper

 Fize
 -7M
 RDH-7M
 RDH-7M-L

 Total Stroke:
 0.98 in. 25 mm
 1.95 in. 50 mm

 Grip Force:
 2822 lbs 12542 N
 1830 lbs 8135 N

 Weight:
 24.8 lbs 11.25 Kg
 24.8 lbs 11.25 Kg

See **1.34**

Style -RDH Parallel Gripper

 Size
 -8M
 RDH-8M
 RDH-8M-L

 Total Stroke:
 1.37 in.
 35 mm
 2.73 in.
 70 mm

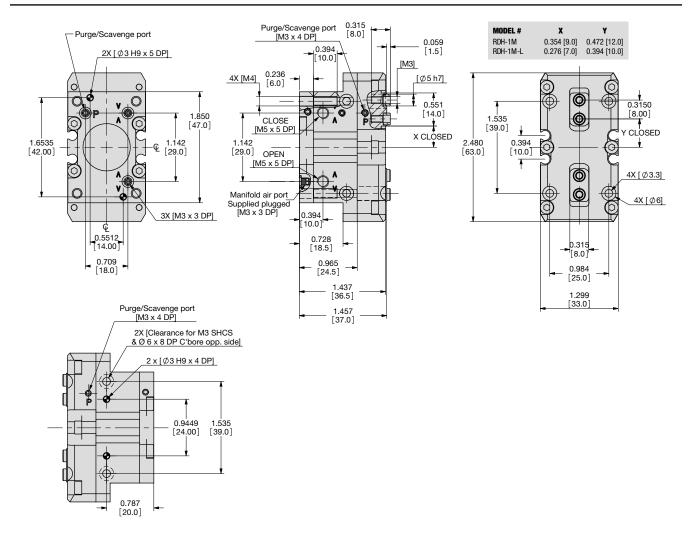
 Grip Force:
 6300 lbs
 28002 N
 4076 lbs
 18115 N

 Weight:
 71.1 lbs
 32.3 kg
 71.1 lbs
 32.3 kg

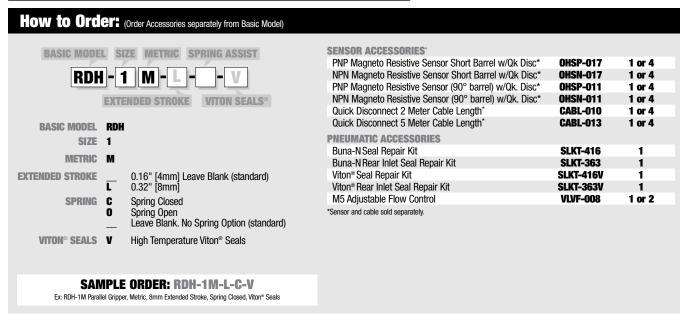
See **1.36**

PARALLEL GRIPPER RDH-1M 2-JAW PARALLEL SERIES



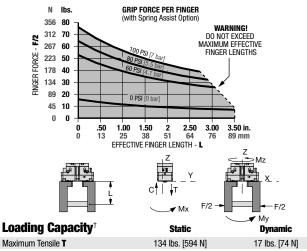


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Ç	$\rightarrow \odot$	⊕	\bigoplus	Imperial in.	Metric [mm]	
Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	Metric Threads Course Pitch	$0.00 = \pm .01$ $0.000 = \pm .005$ $0.0000 = \pm .0005$	$[0.] = [\pm .25]$ $[0.0] = [\pm .13]$ $[0.00] = [\pm .013]$	



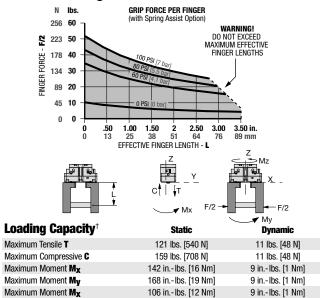
PARALLEL GRIPPER RDH-1M 2-JAW PARALLEL SERIES

RDH-1M Loading Information



Maximum Tensile T Maximum Compressive C 175 lbs. [779 N] 17 lbs. [74 N] Maximum Moment Mx 159 in.-lbs. [18 Nm] 18 in.-lbs. [2 Nm] Maximum Moment My 204 in.-lbs. [23 Nm] 18 in.-lbs. [2 Nm] Maximum Moment Mx 124 in.-lbs. [14 Nm] 18 in.-lbs. [2 Nm] †Capacities are per set of jaws and are not simultaneous

RDH-1M-L Loading Information

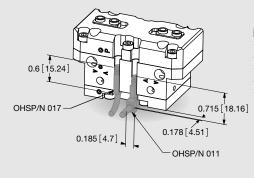


†Capacities are per set of jaws and are not simultaneous

Specifications		
Total Rated Grip Force, F @ 100 psi [7 bar]:		
Without Spring Assist	125 lbs.	555 N
Without Spring Assist -L	81 lbs.	361 N
With Spring Assist	156 lbs.	693 N
With Spring Assist -L	102 lbs.	452 N
Total Stroke:		
Standard	0.16 in.	4 mm
Extended -L	0.32 in.	8 mm
Weight (RDH)	0.4/0.5 lbs.	0.19/0.21 Kg
Pressure Range without Spring	30-100 psi	2-7 Bar
Pressure Range with Spring	50-100 psi	3.5-7 Bar

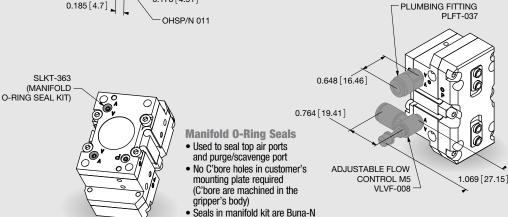
Specifications (cont.) Max. Vacuum for Scavenge Port..... 20 mm Hg Max. Pressure for Purge Port..... 2.1 Bar Cylinder Surface..... 5.8 cm² 0.9 in². Displacement..... 0.31 in³ 5 cm³ Temperature Range -30°~180° F -35°~80° C Actuation (open/close) 0.06 sec./0.06 sec. ±0.04 mm Accuracy ±0.0016 in. Repeatability ± 0.001 in. ±0.02 mm Valve required to actuate single acting..... 3-way, 2-position Valve required to actuate double acting 4-way, 2-position

Accessory Mounting Technical Data



Magneto Resistive Sensors

- PNP and NPN Magneto Resistive available
- · Sensors are slot mounted, no mounting kits required
- Simple adjustment with slotted screw driver
- · Built in LED for ease of positioning and troubleshooting
- Available with 2M Quick Disconnect mating cable (order separately)

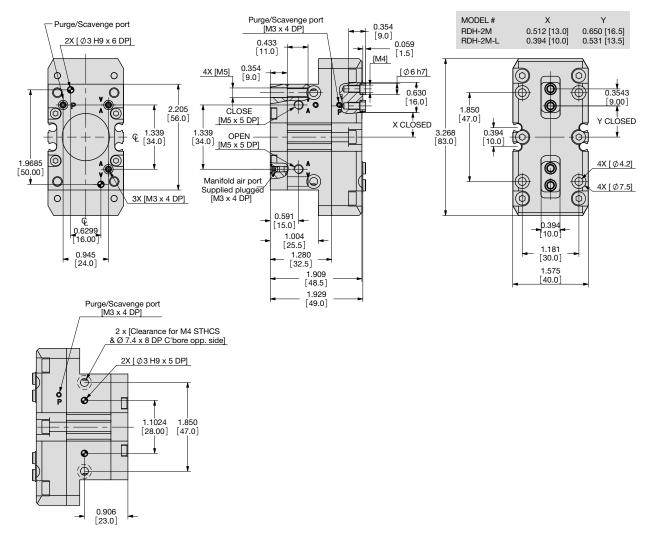


(Viton® seal kit SLKT-363V)

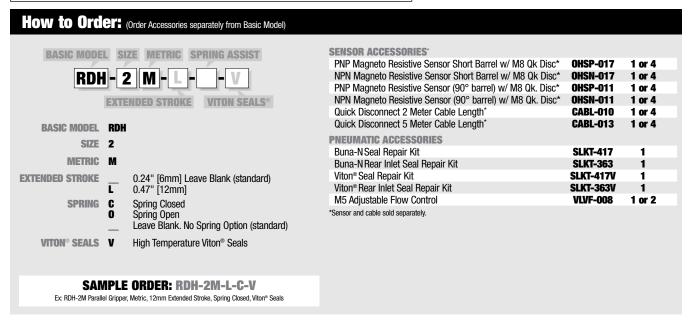
- Adjustable flow controls:
 - Have thumb screw adjust with locking nut for adjusting actuation time
 - Available for 6mm OD tubing
- · Plumbing fittings:
- For side air port location
- Top air port are plugged as standard

PARALLEL GRIPPER RDH-2M 2-JAW PARALLEL SERIES





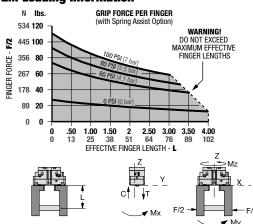
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Ç	$\rightarrow \odot$	⊕	igoplus	Imperial in.	Metric [mm]	
Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	Metric Threads Course Pitch	$0.00 = \pm .01$ $0.000 = \pm .005$ $0.0000 = \pm .0005$	$[0.] = [\pm .25]$ $[0.0] = [\pm .13]$ $[0.00] = [\pm .013]$	



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PARALLEL GRIPPER RDH-2M 2-JAW PARALLEL SERIES

RDH-2M Loading Information



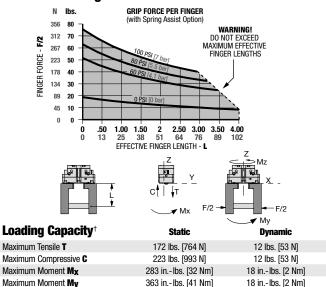
Loading Capacity [†]	Static	Dynamic
Maximum Tensile T	191 lbs. [849 N]	18 lbs. [81 N]
Maximum Compressive C	248 lbs. [1103 N]	18 lbs. [81 N]
Maximum Moment M _X	319 inlbs. [36 Nm]	27 inlbs. [3 Nm]
Maximum Moment My	451 inlbs. [51 Nm]	35 inlbs. [4 Nm]
Maximum Moment M _X	283 inlbs. [32 Nm]	35 inlbs. [4 Nm]

 $^{\scriptscriptstyle \dagger}\text{Capacities}$ are per set of jaws and are not simultaneous

RDH-2M-L Loading Information

Maximum Moment Mx

†Capacities are per set of jaws and are not simultaneous



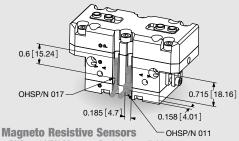
Specifications		
Total Rated Grip Force, F @ 100 psi [7 bar]:		
Without Spring Assist	170 lbs.	754 N
Without Spring Assist -L	111 lbs.	494 N
With Spring Assist	226 lbs.	1006 N
With Spring Assist -L	149 lbs.	661 N
Total Stroke:		
Standard	0.24 in.	6 mm
Extended -L	0.47 in.	12 mm
Weight (RDH)	0.86/0.93 lbs.	0.39/0.42 Kg
Pressure Range without Spring		2-7 Bar
Pressure Range with Spring	65-100 psi	4.5-7 Bar

Specifications (cont.)		
Max. Vacuum for Scavenge Port	8 in. Hg	20 mm Hg
Max. Pressure for Purge Port	30 psi	2.1 Bar
Cylinder Surface	1.24 in ² .	8 cm ²
Displacement	0.63 in ³ .	10.3 cm ³
Temperature Range	-30°~180° F	-35°~80° C
Actuation (open/close)	0.07 sec./0	
Accuracy	±0.0016 in.	±0.04 mm
Repeatability	±0.001 in.	±0.02 mm
Valve required to actuate single acting	3-way, 2-p	osition
Valve required to actuate double acting	4-way, 2-r	osition
-		

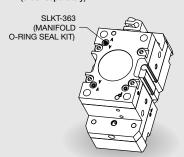
230 in.-lbs. [26 Nm]

18 in.-lbs. [2 Nm]

Accessory Mounting Technical Data

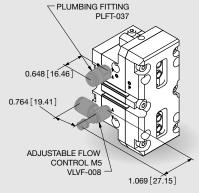


- PNP and NPN Magneto Resistive available
- · Sensors are slot mounted, no mounting kits required
- · Simple adjustment with slotted screw driver
- Built in LED for ease of positioning and troubleshooting
- Available with 2M Quick Disconnect mating cable (order separately)



Manifold O-Ring Seals

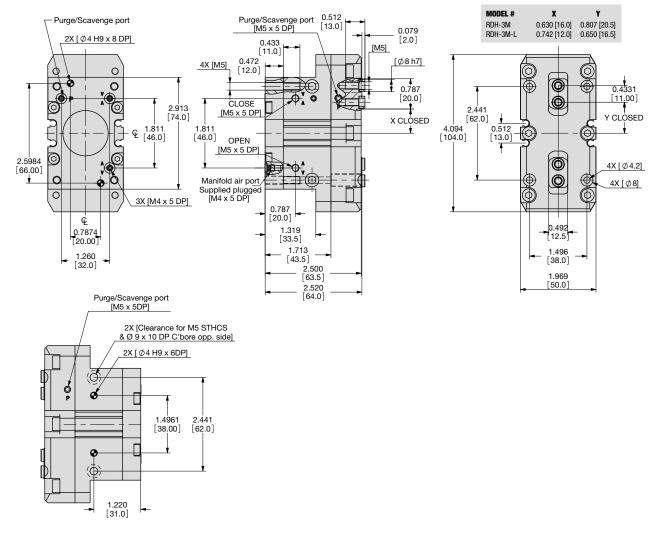
- Used to seal top air ports and purge/scavenge port
- No C'bore holes in customer's mounting plate required (C'bore are machined in the gripper's body)
- Seals in manifold kit are Buna-N (Viton® seal kit SLKT-363V)



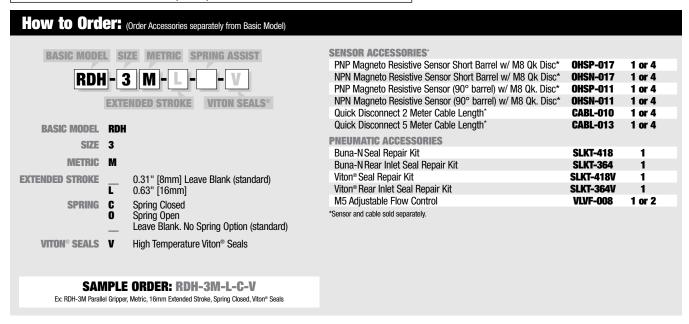
- Adjustable flow controls:
- Have thumb screw adjust with locking nut for adjusting actuation time
- Available for 6mm OD tubing
- · Plumbing fittings:
- For side air port location
- Top air port are plugged as standard

PARALLEL GRIPPER RDH-3M 2-JAW PARALLEL SERIES



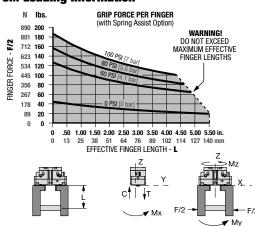


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Ç	$\rightarrow \odot$	⊕	\bigoplus	Imperial in.	Metric [mm]	
Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	Metric Threads Course Pitch	$0.00 = \pm .01$ $0.000 = \pm .005$ $0.0000 = \pm .0005$	$[0.] = [\pm .25]$ $[0.0] = [\pm .13]$ $[0.00] = [\pm .013]$	



PARALLEL GRIPPER RDH-3M 2-JAW PARALLEL SERIES

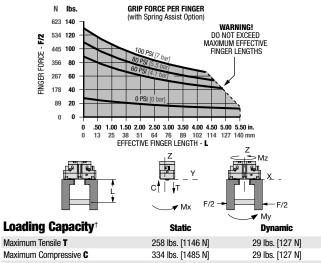
RDH-3M Loading Information



Loading Capacity	Static	Dynamic
Maximum Tensile T	289 lbs. [1284 N]	44 lbs. [196 N]
Maximum Compressive C	374 lbs. [1665 N]	44 lbs. [196 N]
Maximum Moment M _X	513 inlbs. [58 Nm]	62 inlbs. [7 Nm]
Maximum Moment My	735 inlbs. [83 Nm]	97 inlbs. [11 Nm]
Maximum Moment M _X	478 inlbs. [54 Nm]	97 inlbs. [11 Nm]

†Capacities are per set of jaws and are not simultaneous

RDH-3M-L Loading Information



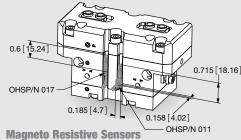
Maximum Tensile T	258 lbs. [1146 N]	29 lbs. [127 N]
Maximum Compressive C	334 lbs. [1485 N]	29 lbs. [127 N]
Maximum Moment M _X	460 inlbs. [52 Nm]	44 inlbs. [5 Nm]
Maximum Moment My	584 inlbs. [66 Nm]	53 inlbs. [6 Nm]
Maximum Moment M _X	381 inlbs. [43 Nm]	53 inlbs. [6 Nm]

†Capacities are per set of jaws and are not simultaneous

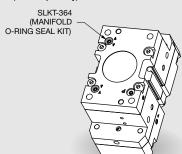
Specifications		
Total Rated Grip Force, F @ 100 psi [7 bar]:		
Without Spring Assist	296 lbs.	1317 N
Without Spring Assist -L	192 lbs.	854 N
With Spring Assist	379 lbs.	1683 N
With Spring Assist -L	246 lbs.	1094 N
Total Stroke:		
Standard	0.31 in.	8 mm
Extended -L	0.63 in.	16 mm
Weight (RDH)	1.81/1.94 lbs.	0.82/0.88 Kg
Pressure Range without Spring	30-100 psi	2-7 Bar
Pressure Range with Spring	50-100 psi	3.5-7 Bar

Specifications (cont.)		
Max. Vacuum for Scavenge Port	8 in. Hg	20 mm Hg
Max. Pressure for Purge Port	30 psi	2.1 Bar
Cylinder Surface	2.14 in ² .	13.8 cm ²
Displacement	1.43 in ³ .	23.4 cm ³
Temperature Range	-30°~180° F	-35°~80° C
Actuation (open/close)	0.08 sec.	/0.08 sec.
Accuracy	±0.0016 in.	±0.04 mm
Repeatability	±0.001 in.	±0.02 mm
Valve required to actuate single acting	3-way, 2	2-position
Valve required to actuate double acting	4-way, 2	2-position

Accessory Mounting Technical Data

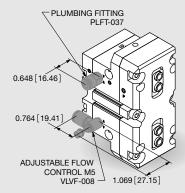


- PNP and NPN Magneto Resistive available
- Sensors are slot mounted, no mounting kits required
- · Simple adjustment with slotted screw driver
- · Built in LED for ease of positioning and troubleshooting
- Available with 2M Quick Disconnect mating cable (order separately)



Manifold O-Ring Seals

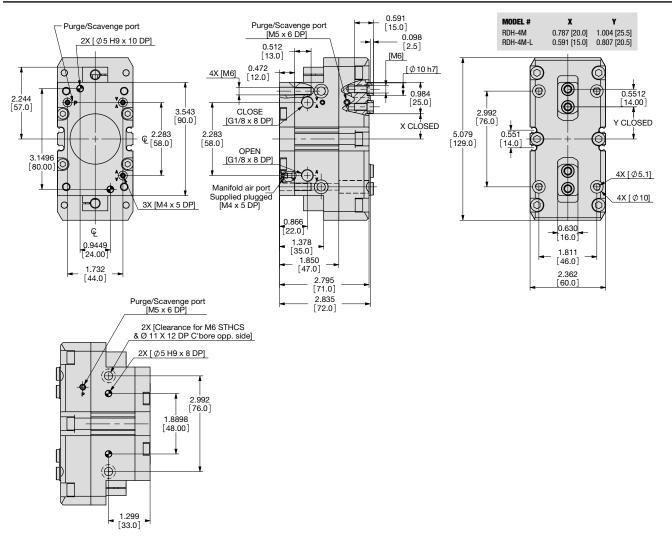
- · Used to seal top air ports and purge/scavenge port
- No C'bore holes in customer's mounting plate required (C'bore are machined in the gripper's body)
- Seals in manifold kit are Buna-N (Viton® seal kit SLKT-364V)



- Adjustable flow controls:
- Have thumb screw adjust with locking nut for adjusting actuation time
- Available for 6mm 0D tubing
- Plumbing fittings:
- For side air port location
- Top air port are plugged as standard

PARALLEL GRIPPER RDH-4M 2-JAW PARALLEL SERIES



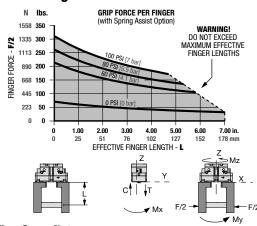


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Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	Metric Threads Course Pitch	$0.00 = \pm .01$ $0.000 = \pm .005$ $0.0000 = \pm .0005$	$[0.] = [\pm .25]$ $[0.0] = [\pm .13]$ $[0.00] = [\pm .013]$	

RDH BASIC MODEL		SENSOR ACCESSORIES* 8mm PNP Inductive Sensor w/ M8 Quick Disconnect* 8mm NPN Inductive Sensor w/ M8 Quick Disconnect* PNP Magneto Resistive Sensor Short Barrel w/ M8 Qk Disc* NPN Magneto Resistive Sensor Short Barrel w/ M8 Qk Disc* PNP Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc* NPN Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc* Quick Disconnect 2 Meter Cable Length* Quick Disconnect 5 Meter Cable Length* PNEUMATIC ACCESSORIES Buna-N Seal Repair Kit Buna-N Rear Inlet Seal Repair Kit Viton® Seal Repair Kit Viton® Rear Inlet Seal Repair Kit G 1/8" Adjustable Flow Control *Sensor and cable sold separately.	OISP-011 OISN-011 OHSP-017 OHSP-017 OHSP-011 CABL-010 CABL-013 SLKT-419 SLKT-364 SLKT-449V SLKT-364V VLVF-005	1 or 2 1 or 2 1 or 4 1 or 4 1 or 4 1 or 4 1 or 4 1 or 4
	IPLE ORDER: RDH-4M-L-G-V I Gripper, Metric, 20mm Extended Stroke, Spring Closed, Viton® Seals			

PARALLEL GRIPPER RDH-4M 2-JAW PARALLEL SERIES

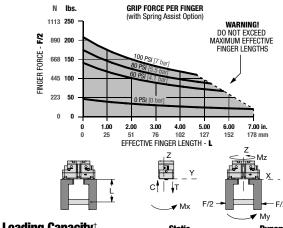
RDH-4M Loading Information



Loading Capacity [™]	Static	Dynamic
Maximum Tensile T	352 lbs. [1564 N]	58 lbs. [259 N]
Maximum Compressive C	465 lbs. [2070 N]	58 lbs. [259 N]
Maximum Moment M _X	673 inlbs. [76 Nm]	89 inlbs. [10 Nm]
Maximum Moment My	938 inlbs. [106 Nm]	124 inlbs. [14 Nm]
Maximum Moment M _X	620 inlbs. [70 Nm]	124 inlbs. [14 Nm]

†Capacities are per set of jaws and are not simultaneous

RDH-4M-L Loading Information



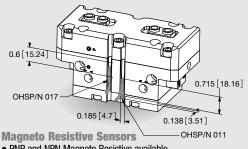
Luaumy Gapacity	Static	Dynamic
Maximum Tensile T	313 lbs. [1394 N]	38 lbs. [168 N]
Maximum Compressive C	415 lbs. [1845 N]	38 lbs. [168 N]
Maximum Moment M _X	602 inlbs. [68 Nm]	53 inlbs. [6 Nm]
Maximum Moment My	743 inlbs. [84 Nm]	71 inlbs. [8 Nm]
Maximum Moment M _X	496 inlbs. [56 Nm]	71 inlbs. [8 Nm]

†Capacities are per set of jaws and are not simultaneous

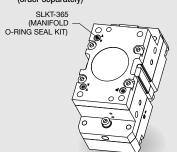
Specifications		
Total Rated Grip Force, F @ 100 psi [7 bar]:		
Without Spring Assist	490 lbs.	2177 N
Without Spring Assist -L	318 lbs.	1414 N
With Spring Assist	628 lbs.	2789 N
With Spring Assist -L	408 lbs.	1814 N
Total Stroke:		
Standard	0.39 in.	10 mm
Extended -L	0.79 in.	20 mm
Weight (RDH)	3.15/3.33 lbs.	1.43/1.51 Kg
Pressure Range without Spring	30-100 psi	2-7 Bar
Pressure Range with Spring	50-100 nsi	3.5-7 Bar

Specifications (cont.)		
Max. Vacuum for Scavenge Port	8 in. Hg	20 mm Hg
Max. Pressure for Purge Port	30 psi	2.1 Bar
Cylinder Surface	3.52 in ² .	22.7 cm ²
Displacement	2.90 in ³ .	47.5 cm ³
Temperature Range	-30°~180° F	-35°~80° C
Actuation (open/close)		/0.08 sec.
Accuracy	±0.0024 in.	±0.06 mm
Repeatability	±0.0012 in.	±0.03 mm
Valve required to actuate single acting	3-way, 2	2-position
Valve required to actuate double acting	4-way, 2	2-position

Accessory Mounting Technical Data

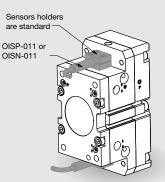


- PNP and NPN Magneto Resistive available
- · Sensors are slot mounted, no mounting kits required
- · Simple adjustment with slotted screw driver
- Built in LED for ease of positioning and troubleshooting
- Available with 2M Quick Disconnect mating cable (order separately)



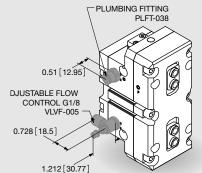
Manifold 0-Ring Seals

- Used to seal top air ports and purge/scavenge port
- No C'bore holes in customer's mounting plate required (C'bore are machined in the gripper's body)
- Seals in manifold kit are Buna-N (Viton® seal kit SLKT-364V)



Inductive Sensors

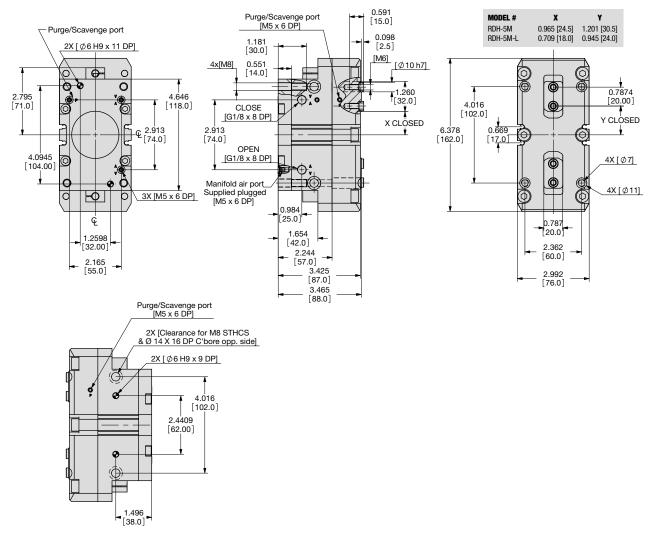
- PNP and NPN Magneto Resistive available
- · Sensors holders and targets are standard mounted
- · Simple adjustment of the target with screw driver
- Available with 2M Quick Disconnect mating cable (order separately)



- Adjustable flow controls:
 - Have thumb screw adjust with locking nut for adjusting actuation time
- Available for 6mm 0D tubing
- Plumbing fittings:
- For side air port location
- Top air port are plugged as standard

PARALLEL GRIPPER RDH-5M 2-JAW PARALLEL SERIES

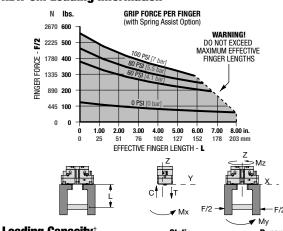




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UNLE	39 OIHEUA	AISE MOIED ALL INFE	NANUES AN	E WO QUOMIN E	DELUV
Ç	$\Rightarrow \Leftrightarrow$	⊕	\bigoplus	Imperial in.	Metric [mm]
Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±,0005" or [±,013mm]	Metric Threads Course Pitch	$0.00 = \pm .01$ $0.000 = \pm .005$ $0.0000 = \pm .0005$	$[0.] = [\pm .25]$ $[0.0] = [\pm .13]$ $[0.00] = [\pm .013]$

BASIC MODEL		SENSOR ACCESSORIES* 8mm PNP Inductive Sensor w/ M8 Quick Disconnect* 8mm NPN Inductive Sensor w/ M8 Quick Disconnect* PNP Magneto Resistive Sensor Short Barrel w/ M8 Qk Disc* NPN Magneto Resistive Sensor (90° barrel) w/ M8 Qk Disc* PNP Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc* NPN Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc* Quick Disconnect 2 Meter Cable Length* Quick Disconnect 5 Meter Cable Length* PNEUMATIC ACCESSORIES Buna-N Seal Repair Kit Buna-N Rear Inlet Seal Repair Kit Viton® Rear Inlet Seal Repair Kit Viton® Rear Inlet Seal Repair Kit G 1/8" Adjustable Flow Control *Sensor and cable sold separately.	OISP-011 OISN-011 OHSP-017 OHSN-017 OHSN-011 CABL-010 CABL-013 SLKT-420 SLKT-365 SLKT-420V SLKT-365V VLVF-005	1 or 2 1 or 2 1 or 4 1 or 4 1 or 4 1 or 4 1 or 4 1 or 4
	IPLE ORDER: RDH-5M-L-G-V Il Gripper, Metric, 26mm Extended Stroke, Spring Closed, Viton* Seals			

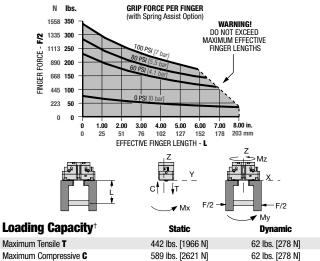
RDH-5M Loading Information



Luauing Gapacity	Static	Dynamic
Maximum Tensile T	493 lbs. [2192 N]	96 lbs. [428 N]
Maximum Compressive C	657 lbs. [2923 N]	96 lbs. [428 N]
Maximum Moment M _X	929 inlbs. [105 Nm]	142 inlbs. [16 Nm]
Maximum Moment My	1310 inlbs. [148 Nm]	195 inlbs. [22 Nm]
Maximum Moment M _X	859 inlbs. [97 Nm]	195 inlbs. [22 Nm]

†Capacities are per set of jaws and are not simultaneous

RDH-5M-L Loading Information



PARALLEL GRIPPER RDH-5M 2-JAW PARALLEL SERIES

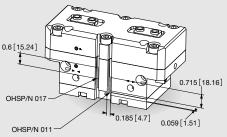
Maximum Tensile T	442 lbs. [1966 N]	62 lbs. [278 N]
Maximum Compressive C	589 lbs. [2621 N]	62 lbs. [278 N]
Maximum Moment M _X	832 inlbs. [94 Nm]	89 inlbs. [10 Nm]
Maximum Moment My	1053 inlbs. [119 Nm]	115 inlbs. [13 Nm]
Maximum Moment M _X	690 inlbs. [78 Nm]	115 inlbs. [13 Nm]

†Capacities are per set of jaws and are not simultaneous

Specifications		
Total Rated Grip Force, F @ 100 psi [7 bar]:		
Without Spring Assist	808 lbs.	3593 N
Without Spring Assist -L	525 lbs.	2333 N
With Spring Assist	1037 lbs.	4609 N
With Spring Assist -L	675 lbs.	2999 N
Total Stroke:		
Standard	0.51 in.	13 mm
Extended -L	1.02 in.	26 mm
Weight (RDH)	6.06/6.57 lbs.	2.75/2.98 Kg
Pressure Range without Spring	30-100 psi	2-7 Bar
Pressure Range with Spring	60-100 psi	4-7 Bar

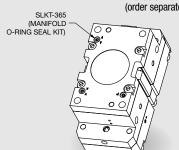
Specifications (cont.) Max. Vacuum for Scavenge Port..... 8 in. Ha 20 mm Hg 30 psi Max. Pressure for Purge Port..... 2.1 Bar Cylinder Surface..... 37.5 cm² 5.81 in². Displacement..... 6.22 in³. 102 cm³ Temperature Range -30°~180° F -35°~80° C Actuation (open/close) 0.14 sec./0.14 sec. ±0.06 mm Accuracy ±0.0024 in. ±0.03 mm Repeatability ±0.0012 in. Valve required to actuate single acting..... 3-way, 2-position Valve required to actuate double acting 4-way, 2-position

Accessory Mounting Technical Data



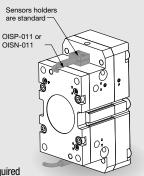
Magneto Resistive Sensors

- PNP and NPN Magneto Resistive available
- · Sensors are slot mounted, no mounting kits required
- · Simple adjustment with slotted screw driver
- . Built in LED for ease of positioning and troubleshooting
- Available with 2M Quick Disconnect mating cable (order separately)



Manifold O-Ring Seals

- Used to seal top air ports and purge/scavenge port
- No C'bore holes in customer's mounting plate required (C'bore are machined in the gripper's body)
- Seals in manifold kit are Buna-N (Viton® seal kit SLKT-365V)



PLUMBING FITTING

0.51[12.95]

1.212 [30.77]

ADJUSTABLE FLOW

CONTROL G1/8

VLVF-005

PLFT-038

Inductive Sensors

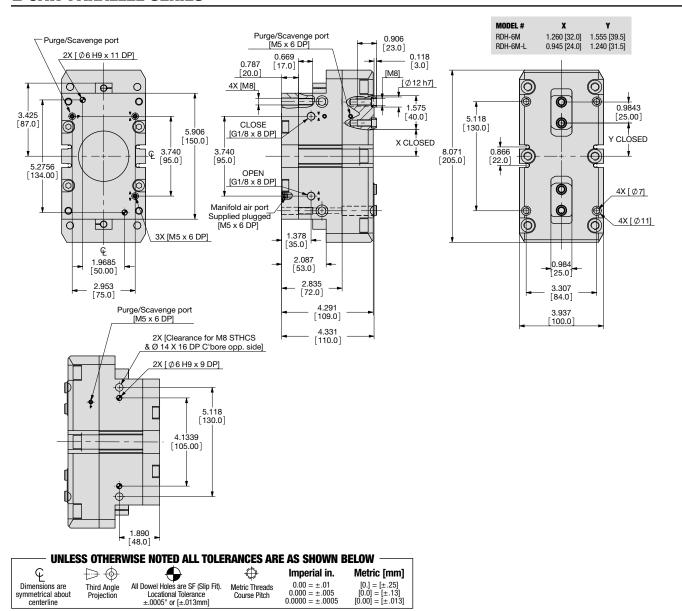
- PNP and NPN Magneto Resistive available
- · Sensors holders and targets are standard mounted
- · Simple adjustment of the target with screw driver
- Available with 2M Quick Disconnect mating cable (order separately)

- Adjustable flow controls:
- Have thumb screw adjust with locking nut for adjusting actuation time
- Available for 6mm OD tubing
- · Plumbing fittings:
 - For side air port location
 - Top air port are plugged as standard

centerline

PARALLEL GRIPPER RDH-6M 2-JAW PARALLEL SERIES

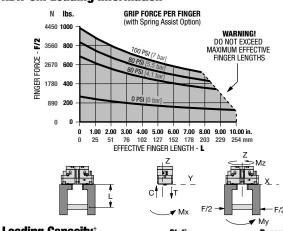




	er Accessories separately from Basic Model) METRIC SPRING ASSIST	SENSOR ACCESSORIES		
DAGIO IIIODEE	III III O O IIII A A O O O O	8mm PNP Inductive Sensor w/ M8 Quick Disconnect*	OISP-011	1 or 2
RDH - 6	MFLF FV	8mm NPN Inductive Sensor w/ M8 Quick Disconnect*	OISN-011	1 or 2
		PNP Magneto Resistive Sensor Short Barrel w/ M8 Qk Disc* NPN Magneto Resistive Sensor Short Barrel w/ M8 Qk Disc*	OHSP-017 OHSN-017	1 or 4 1 or 4
EXTENDI	ED STROKE VITON SEALS®	PNP Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc*	OHSP-011	1 or 4
BASIC MODEL RDH		NPN Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc*	OHSN-011	1 or 4
		Quick Disconnect 2 Meter Cable Length*	CABL-010	1 or 4
SIZE 6		Quick Disconnect 5 Meter Cable Length*	CABL-013	1 or 4
METRIC M		PNEUMATIC ACCESSORIES		
EXTENDED STROKE 0.6	63" [16mm] Leave Blank (standard)	Buna-NSeal Repair Kit	SLKT-421	1
<u>L</u> 1.2	26" [32mm]	Buna-N Rear Inlet Seal Repair Kit	SLKT-365	1
	ring Closed	Viton® Seal Repair Kit Viton® Rear Inlet Seal Repair Kit	SLKT-421V SLKT-365V	1
	ring Open ave Blank. No Spring Option (standard)	G 1/8" Adjustable Flow Control	VLVF-005	1 or 2
	, , ,	*Sensor and cable sold separately.		
VITON® SEALS V Hig	gh Temperature Viton® Seals			
	RDER: RDH-GM-L-C-V ic, 32mm Extended Stroke, Spring Closed, Viton* Seals			

Course Pitch

RDH-6M Loading Information

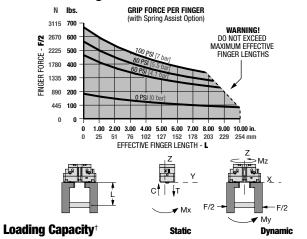


Luaumy Gapacity	Static	Dynamic
Maximum Tensile T	779 lbs. [3463 N]	186 lbs. [827 N]
Maximum Compressive C	1045 lbs. [4649 N]	186 lbs. [827 N]
Maximum Moment M _X	1204 inlbs. [136 Nm]	248 inlbs. [28 Nm]
Maximum Moment My	1744 inlbs. [197 Nm]	363 inlbs. [41 Nm]
Maximum Moment M _X	1151 inlbs. [130 Nm]	363 inlbs. [41 Nm]

†Capacities are per set of jaws and are not simultaneous

Pressure Range with Spring...

RDH-6M-L Loading Information



PARALLEL GRIPPER RDH-6M 2-JAW PARALLEL SERIES

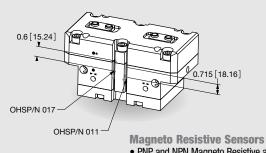
Maximum Tensile T	694 lbs. [3089 N]	121 lbs. [537 N]
Maximum Compressive C	932 lbs. [4146 N]	121 lbs. [537 N]
Maximum Moment M _X	1071 inlbs. [121 Nm]	159 inlbs. [18 Nm]
Maximum Moment My	1390 inlbs. [157 Nm]	212 inlbs. [24 Nm]
Maximum Moment M _X	912 inlbs. [103 Nm]	212 inlbs. [24 Nm]

†Capacities are per set of jaws and are not simultaneous

Specifications			
Total Rated Grip Force, F @ 100 psi [7 bar]:			
Without Spring Assist	1406 lbs.	6250 N	
Without Spring Assist -L	914 lbs.	4062 N	
With Spring Assist	1944 lbs.	8640 N	
With Spring Assist -L	1265 lbs.	5623 N	
Total Stroke:			
Standard	0.63 in.	16 mm	
Extended -L	1.26 in.	32 mm	
Weight	12.72 lbs.	5.77 Kg	
Pressure Range without Spring		2-7 Bar	

Specifications (cont.)		
Max. Vacuum for Scavenge Port	8 in. Hg	20 mm Hg
Max. Pressure for Purge Port	30 psi	2.1 Bar
Cylinder Surface	10.08 in ² .	65 cm ²
Displacement	13.18 in ³ .	216 cm ³
Temperature Range	-30°~180° F	-35°~80° C
Actuation (open/close)	0.20 sec.	/0.20 sec.
Accuracy	±0.0031 in.	±0.08 mm
Repeatability	±0.0016 in.	±0.04 mm
Valve required to actuate single acting	3-way, 2	2-position
Valve required to actuate double acting	4-way, 2	2-position

Accessory Mounting Technical Data

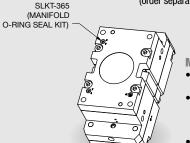


...... 65-100 psi

- PNP and NPN Magneto Resistive available
- · Sensors are slot mounted, no mounting kits required

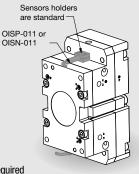
4.5-7 Bar

- · Simple adjustment with slotted screw driver
- · Built in LED for ease of positioning and troubleshooting
- Available with 2M Quick Disconnect mating cable (order separately)



Manifold O-Ring Seals

- Used to seal top air ports and purge/scavenge port
- No C'bore holes in customer's mounting plate required (C'bore are machined in the gripper's body)
- · Seals in manifold kit are Buna-N (Viton® seal kit SLKT-365V)



PLUMBING FITTING

ADJUSTABLE FLOW

CONTROL G1/8

VLVF-005

0.728 [18.5]

0.51 [12.95]

1.212 [30.77]

Inductive Sensors

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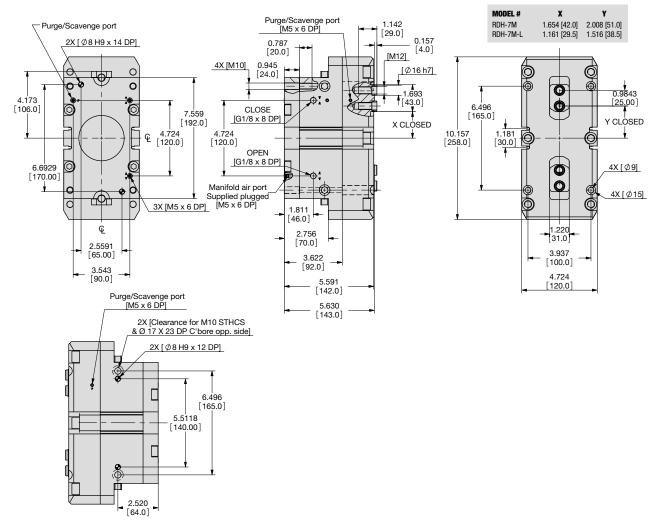
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- PNP and NPN Magneto Resistive available
- · Sensors holders and targets are standard mounted
- · Simple adjustment of the target with screw driver
- Available with 2M Quick Disconnect mating cable (order separately)

- Adjustable flow controls:
- Have thumb screw adjust with locking nut for adjusting actuation time
- Available for 6mm 0D tubing
- Plumbing fittings:
 - For side air port location
 - Top air port are plugged as standard



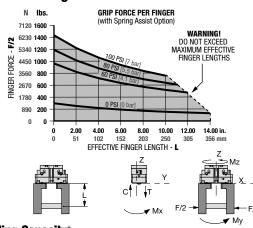


UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW					
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Ç	$\Rightarrow \otimes$	⊕	\bigoplus	Imperial in.	Metric [mm]
Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	Metric Threads Course Pitch	$0.00 = \pm .01$ $0.000 = \pm .005$ $0.0000 = \pm .0005$	$[0.] = [\pm .25]$ $[0.0] = [\pm .13]$ $[0.00] = [\pm .013]$

BASIC MODEL SIZE METRIC EXTENDED STROKE SPRING	C Spring Closed Spring Option (standard) Leave Blank No Spring Option (standard) High Temperature Viton® Seals	12mm NPN Inductive Sensor w/ M12 Quick Disconnect* PNP Magneto Resistive Sensor Short Barrel w/ M8 Qk Disc* NPN Magneto Resistive Sensor Short Barrel w/ M8 Qk Disc* PNP Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc* NPN Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc* NPN Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc* M8 Quick Disconnect 2 Meter Cable Length* M8 Quick Disconnect 5 Meter Cable Length* M12 Quick Disconnect 2 Meter Cable Length* M12 Quick Disconnect 5 Meter Cable Length* CJ PNEUMATIC ACCESSORIES Buna-NSeal Repair Kit SI Uiton® Seal Repair Kit SI Viton® Rear Inlet Seal Repair Kit SI	ISP-017 ISN-017 HSP-017 HSP-011 HSP-011 ABL-013 ABL-014 ABL-018 LKT-422 LKT-365 LKT-422V LKT-365V LVF-005	1 or 2 1 or 2 1 or 4 1 or 4 1 or 4 1 or 4 1 or 4 1 or 2 1 to 2
	IPLE ORDER: RDH-7M-L-C-V I Gripper, Metric, 50mm Extended Stroke, Spring Closed, Viton® Seals			

PARALLEL GRIPPER RDH-7M 2-JAW PARALLEL SERIES

RDH-7M Loading Information

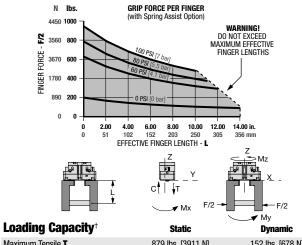


Loading Capacity [†]	Static	Dynamic
Maximum Tensile T	1013 lbs. [4505 N]	236 lbs. [1048 N]
Maximum Compressive C	1335 lbs. [5938 N]	236 lbs. [1048 N]
Maximum Moment M _X	1478 inlbs. [167 Nm]	319 inlbs. [36 Nm]
Maximum Moment My	2106 inlbs. [238 Nm]	451 inlbs. [51 Nm]
Maximum Moment M _X	1425 inlbs. [161 Nm]	451 inlbs. [51 Nm]

†Capacities are per set of jaws and are not simultaneous

Pressure Range with Spring....

RDH-7M-L Loading Information



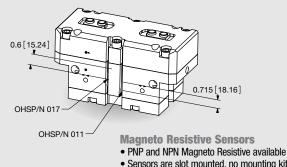
Maximum Tensile T	879 lbs. [3911 N]	152 lbs. [678 N]
Maximum Compressive C	1159 lbs. [5155 N]	152 lbs. [678 N]
Maximum Moment M _X	1283 inlbs. [145 Nm]	204 inlbs. [23 Nm]
Maximum Moment My	1584 inlbs. [179 Nm]	257 inlbs. [29 Nm]
Maximum Moment M _X	1080 inlbs. [122 Nm]	257 inlbs. [29 Nm]

†Capacities are per set of jaws and are not simultaneous

Specifications		
Total Rated Grip Force, F @ 100 psi [7 bar]:		
Without Spring Assist	2228 lbs.	9901 N
Without Spring Assist -L	1441 lbs.	6404 N
With Spring Assist	2822 lbs.	12542 N
With Spring Assist -L	1830 lbs.	8135 N
Total Stroke:		
Standard	0.98 in.	25 mm
Extended -L	1.97 in.	50 mm
Weight	24.8 lbs.	11.25 Kg
Pressure Range without Spring		2-7 Bar

Specifications (cont.)		
Max. Vacuum for Scavenge Port	8 in. Hg	20 mm Hg
Max. Pressure for Purge Port	30 psi	2.1 Bar
Cylinder Surface	16.12 in ² .	104 cm ²
Displacement	32.95 in ³ .	540 cm ³
Temperature Range	-30°~180° F	
Actuation (open/close)		/0.55 sec.
Accuracy	±0.0039 in.	±0.1 mm
Repeatability	±0.002 in.	±0.05 mm
Valve required to actuate single acting	3-way, 2	2-position
Valve required to actuate double acting	4-way, 2	2-position

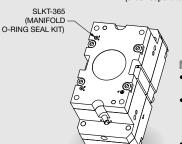
Accessory Mounting Technical Data



- · Sensors are slot mounted, no mounting kits required

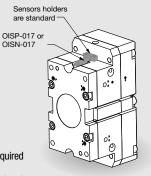
...... 60-100 psi 4-7 Bar

- · Simple adjustment with slotted screw driver · Built in LED for ease of positioning and troubleshooting
- Available with 2M Quick Disconnect mating cable (order separately)



Manifold O-Ring Seals

- Used to seal top air ports and purge/scavenge port
- No C'bore holes in customer's mounting plate required (C'bore are machined in the gripper's body)
- Seals in manifold kit are Buna-N (Viton® seal kit SLKT-365V)



PLUMBING FITTING

ADJUSTABLE FLOW

CONTROL G1/8

VLVF-005

0.728 [18.5]

1.212 [30.77]

PLFT-038

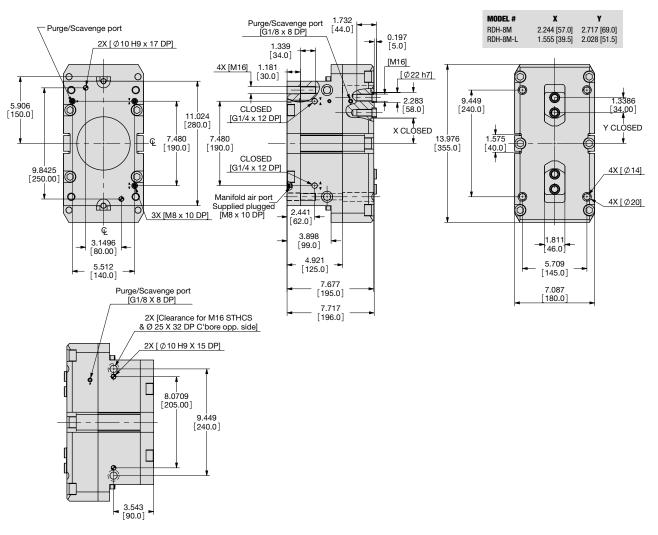
0.51 [12.95

Inductive Sensors

- PNP and NPN Magneto Resistive available
- Sensors holders and targets are standard mounted
- · Simple adjustment of the target with screw driver
- Available with 2M Quick Disconnect mating cable (order separately)

- Adjustable flow controls:
- Have thumb screw adjust with locking nut for adjusting actuation time
- Available for 6mm 0D tubing
- · Plumbing fittings:
- For side air port location
- Top air port are plugged as standard





UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW					
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Ç	$\rightarrow \odot$	⊕	\bigoplus	Imperial in.	Metric [mm]
Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	Metric Threads Course Pitch	$0.00 = \pm .01$ $0.000 = \pm .005$ $0.0000 = \pm .0005$	$[0.] = [\pm .25]$ $[0.0] = [\pm .13]$ $[0.00] = [\pm .013]$

BASIC MODEL SIZE METRIC EXTENDED STROKE SPRING	C Spring Closed Spring Option (standard) L High Temperature Viton® Seals	12mm NPN Inductive Sensor w/ M12 Quick Disconnect* PNP Magneto Resistive Sensor Short Barrel w/ M8 Qk Disc* NPN Magneto Resistive Sensor Short Barrel w/ M8 Qk Disc* PNP Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc* NPN Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc* NPN Magneto Resistive Sensor (90° barrel) w/ M8 Qk. Disc* M8 Quick Disconnect 2 Meter Cable Length* M8 Quick Disconnect 5 Meter Cable Length* M12 Quick Disconnect 2 Meter Cable Length* CABI M12 Quick Disconnect 5 Meter Cable Length* CABI PNEUMATIC ACCESSORIES Buna-N Seal Repair Kit Buna-N Rear Inlet Seal Repair Kit Viton® Rear Inlet Seal Repair Kit SLKT	2-017 1 or 2 1-017 1 or 2 2-017 1 or 4 1-017 1 or 4 1-011 1 or 4 1-010 1 or 4 1-013 1 or 4 1-014 1 or 2 1-018 1 to 2 1-423 1 1-366 1 1-423V 1 1-366V 1 1-010 1 or 2
	PLE ORDER: RDH-8M-L-G-V Gripper, Metric, 70mm Extended Stroke, Spring Closed, Viton® Seals		



RDH-8M Loading Information GRIP FORCE PER FINGER N Ibs. 15575 3500 WARNING DO NOT EXCEED MAXIMUM EFFECTIVE 11125 2500 FINGER LENGTHS 8900 2000 6675 1500 4450 1000 2225 500 203 152 254 305 EFFECTIVE FINGER LENGTH - L

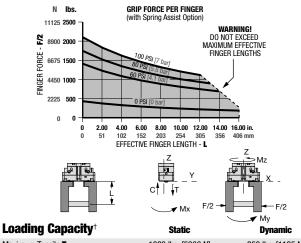
Luauing Gapacity	Static	Dynamic
Maximum Tensile T	1543 lbs. [6863 N]	392 lbs. [1743 N]
Maximum Compressive C	2006 lbs. [8921 N]	392 lbs. [1743 N]
Maximum Moment M _X	3354 inlbs. [379 Nm]	743 inlbs. [84 Nm]
Maximum Moment My	4257 inlbs. [481 Nm]	947 inlbs. [107 Nm]
Maximum Moment M _X	2664 inlbs. [301 Nm]	947 inlbs. [107 Nm]

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†Capacities are per set of jaws and are not simultaneous

Looding Conceit

RDH-8M-L Loading Information



PARALLEL GRIPPER RDH-8M 2-JAW PARALLEL SERIES

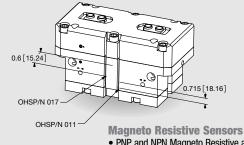
Maximum Tensile T	1328 lbs. [5906 N]	253 lbs. [1125 N]
Maximum Compressive C	1726 lbs. [7678 N]	253 lbs. [1125 N]
Maximum Moment M _X	2885 inlbs. [326 Nm]	478 inlbs. [54 Nm]
Maximum Moment My	3160 inlbs. [357 Nm]	522 inlbs. [59 Nm]
Maximum Moment M _X	1974 inlbs. [223 Nm]	522 inlbs. [59 Nm]

†Capacities are per set of jaws and are not simultaneous

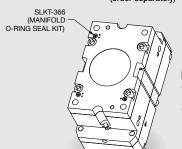
Specifications		
Total Rated Grip Force, F @ 100 psi [7 bar]:		
Without Spring Assist	4941 lbs.	21958 N
Without Spring Assist -L	3190 lbs.	14178 N
With Spring Assist	6300 lbs.	28002 N
With Spring Assist -L	4076 lbs.	18115 N
Total Stroke:		
Standard	1.38 in.	35 mm
Extended -L	2.76 in.	70 mm
Weight	71.1 lbs.	32.3 Kg
Pressure Range without Spring	30-100 psi	2-7 Bar
Pressure Range with Spring	50-100 psi	3.5-7 Bar

Specifications (cont.) Max. Vacuum for Scavenge Port..... 8 in. Ha 20 mm Ha 30 psi Max. Pressure for Purge Port..... 2.1 Bar 35.81 in². 231 cm² Cylinder Surface..... Displacement..... 103.1 in³. 1689 cm³ Temperature Range-30°~180° F -35°~80° C Actuation (open/close) 1.3 sec./1.3 sec. ±0.1 mm Accuracy ±0.0039 in. ±0.05 mm Repeatability ±0.002 in. Valve required to actuate single acting..... 3-way, 2-position Valve required to actuate double acting 4-way, 2-position

Accessory Mounting Technical Data

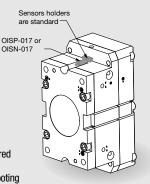


- PNP and NPN Magneto Resistive available
- · Sensors are slot mounted, no mounting kits required
- · Simple adjustment with slotted screw driver
- · Built in LED for ease of positioning and troubleshooting
- Available with 2M Quick Disconnect mating cable (order separately)



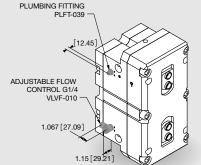
Manifold O-Ring Seals

- Used to seal top air ports and purge/scavenge port
- No C'bore holes in customer's mounting plate required (C'bore are machined in the gripper's body)
- Seals in manifold kit are Buna-N (Viton® seal kit SLKT-366V)

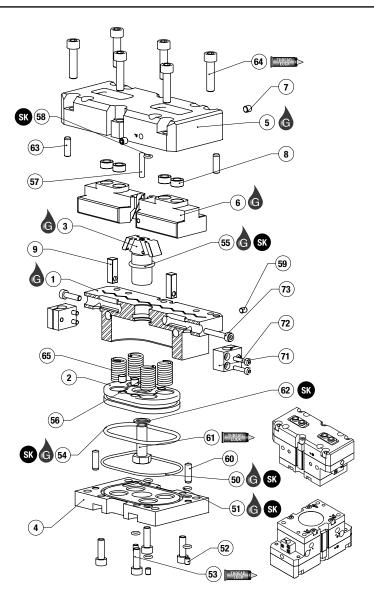


Inductive Sensors

- PNP and NPN Magneto Resistive available
- Sensors holders and targets are standard mounted
- · Simple adjustment of the target with screw driver
- Available with 2M Quick Disconnect mating cable (order separately)



- Adjustable flow controls:
- Have thumb screw adjust with locking nut for adjusting actuation time
- Available for 6mm 0D tubing
- · Plumbing fittings:
- For side air port location
- Top air port are plugged as standard



ltem	ı Qty	Name
01	1	Body
02	1	Piston
03	1	Double wedge
04	1	Cap
05	1	Bottom Case
06	2	Jaws
07	2	Bottom Case, SS Screw
08	4	Locating sleeve
09	2	Sensing nut
50	1	Cap, 0-ring
51	2	Cap, 0-ring
52	3	Cap, SS screw
53	4	Cap, SHC screw
54	1	Piston, O-ring
55	1	Body, 0-ring
56	4	Piston, Magnet
57	1	Piston, Pin
58	1	Bottom case, 0-ring
59	1	Body, SS screw
60	2	Cap, Pin
61	1	Double wedge, HH screw
62	1	Double wedge, Seal
63	2	Bottom case, Pin
64	6	Bottom case, SHC Screw
65	4 or 8	Spring
71	2	Sensor holder
72	4	Sensor holder, SHC screw
73	2	Sensing nut, SHC screw
		-

NOTE: Contact the Destaco-Robohand Sales Department for a complete spare parts list with order numbers and prices.



Assembly Procedure

- 1) Lubricate and install seal #55 into the body #1
- 2) Install #59 screw with thread locker into the body #1
- 3) Sub assemble the sensing nuts #9 into the jaws #6
- 4) Sub assemble the jaws #6 on either side of the double wedge #3 with lubrication
- 5) Insert the jaws and double wedge sub assembly into the body
- 6) Install seal #58 into the bottom case #5
- 7) Insert the screws #7 into the bottom case #5
- 8) Install bottom case #5 with pressed-in pins #63 onto the body and fasten with #64 screws with thread locker
- 9) Lubricate and install seal #54 into the piston #2
- 10) Mount magnets #56 to piston #2 with thread locker

- 11) For -C option, insert the springs #65 into the body #1 counterbore holes
- 12) Insert the piston #2 with pressed-in pin #57 onto the double wedge#3 and fasten with screw #61 with thread locker and washer #62. Face mount the piston counterbore holes to the body counterbore holes for -C option. Opposite mount for -0 option.
- 13) For -0 option, insert the springs #65 into the piston #2 counterbore holes
- 14) Install the screws #52 with thread locker onto the cap #4
- 15) Install seals #50 and #51 into the cap #4
- 16) Insert the cap #4 into the body #1 and locate it using cap dowel pins #60
- 17) Fasten the cap #4 with #53 screws with thread locker
- 18) Install the sensor holders #71 onto the body and fasten with screws #72

- 19) Insert screws #73 into the sensing nuts #9 from the body holes
- 20) Insert locating sleeves #8 into the jaws







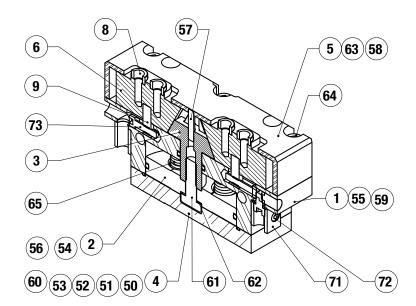








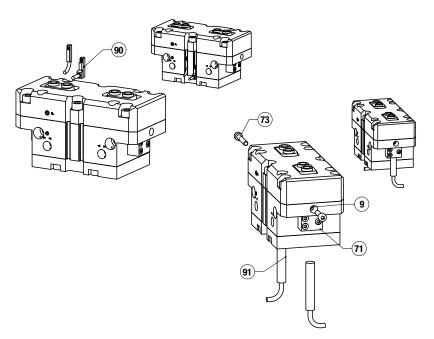




Iter	n Qty	Name
ПОП	ı qıy	Humo
01	1	Body
02	1	Piston
03	1	Double wedge
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08	4	Locating sleeve
09	2	Sensing nut
50	1	Cap, 0-ring
51	2	Cap, 0-ring
52	3	Cap, SS screw
53	4	Cap, SHC screw
54	1	Piston, O-ring
55	1	Body, O-ring
56	4	Piston, Magnet
57	1	Piston, Pin
58	1	Bottom case, 0-ring
59	1	Body, SS screw
60	2	Cap, Pin
61	1	Double wedge, HH screw
62	1	Double wedge, Seal
63	2	Bottom case, Pin
64	6	Bottom case, SHC Screw
65	4 or 8	Spring
71	2	Sensor holder
72	4	Sensor holder, SHC screw
73	2	Sensing nut, SHC screw

NOTE: Contact the Destaco-Robohand Sales Department for a complete spare parts list with order numbers and prices.

Accessory Installation & Adjustment Instructions



Magneto Resistive Sensor #90

- 1) Insert sensor #90 from either end of the profile slot
- 2) Adjust the sensor #90 into the profile slot, depending on the position to sense
- 3) Set the sensor with the integrated screw

Inductive Sensor #91

- 1) Insert sensor #91 into the sensor holder #71
- 2) Tighten the sensor using the SHC screw onto the sensor holder #71
- 3) Insert the SHC screw #73 into the sensing nut #9. The SHC screws are the targets to be adjusted in front of the sensor. The SHC screws #73 are supplied with 2 different lengths: depending on the position to sense, use the shortest for open position, or the longest for close position. The sensing nut #9 has a thread insert that prevents the target from loosening (this may make the target harder to tighten into the nut).











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