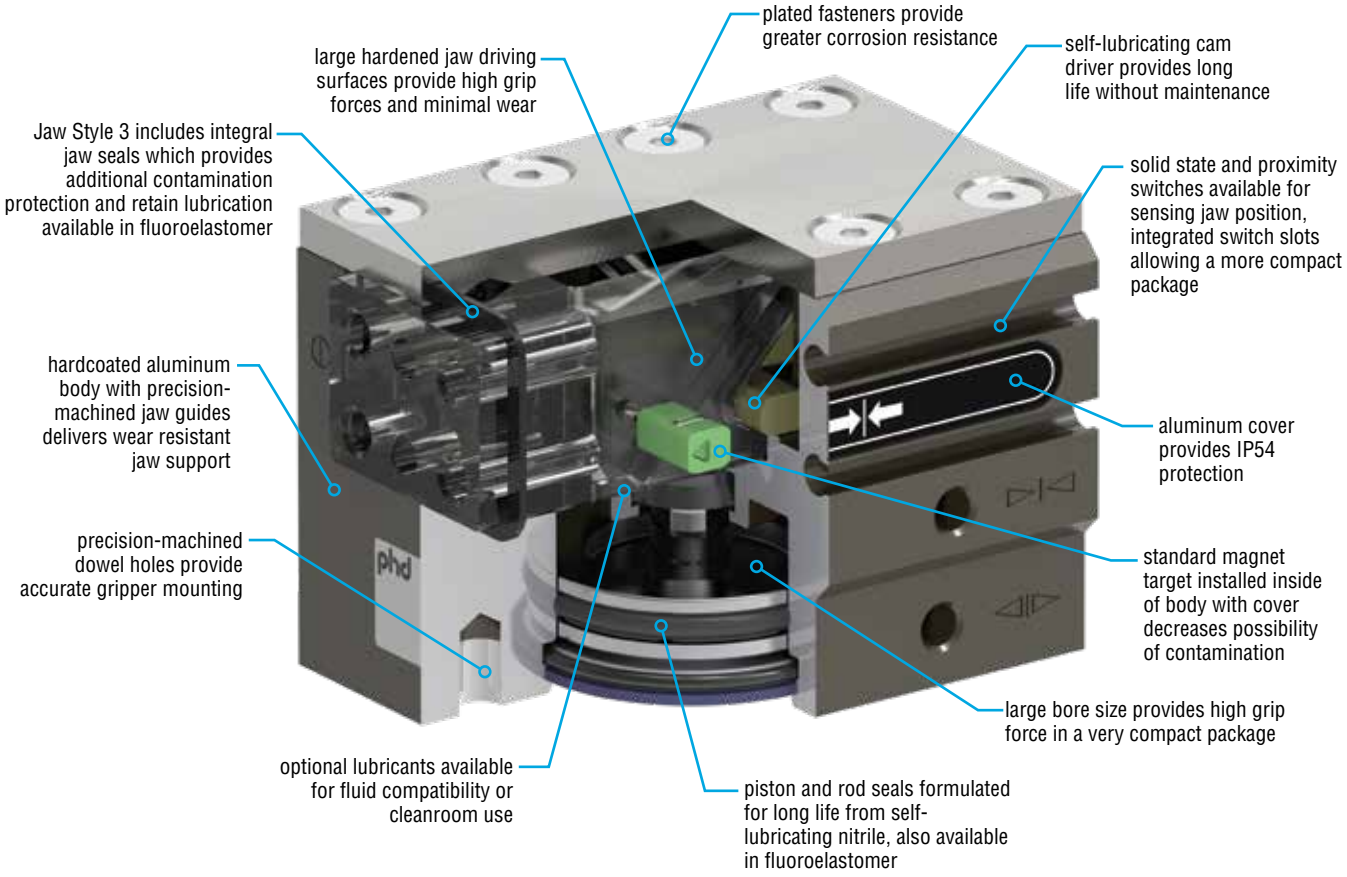
GRS

Major Benefits

- Expanded range of sizes and jaw styles, available in imperial and metric
- Switch ready standard for use with Series JC Switches - no brackets required
- Convenient switch bundles - one line ordering
- Optional fluoroelastomer seals and lubricant for fluid compatibility and higher temperature applications
- Optional lubrication for cleanroom use
- Manifold and purge port options for application flexibility
- IP54 ingress protection on jaw style 3
- Jaws available in two travel lengths (sizes 27-63) for increased versatility
- Optional mounting and port positions available for application flexibility
- Spring assist on open or close available for part retention upon loss of air pressure (sizes 25-63)
- Six million cycles minimum rated life



ORDERING DATA: Series GRS Grippers

SWITCH BUNDLE OPTION CODE
(see Notes 3-4)

S x x x x

SWITCH SERIES
C - Series JC1SDx-x, Single Position
E - Series JC1STP-x, Teachable (PNP only)
P - Inductive Proximity Switch

QUANTITY
1 or 2** Inductive Proximity Switches or Mounting Brackets
1 to 9 JC1SDx-x, JC1DTP-x

SWITCH CIRCUITRY
0 - Mounting Hardware Only (No Switches)
N - NPN (Sink)
P - PNP (Source)

CABLE TYPE
0 - No Switches
K - Quick Connect Only (JC1SDx-K, JC1STP-K)
2 - 2 Meter Length Cable (Prox, JC1STP-2)
5 - 5 Meter Length Cable (JC1SDx-5)

TO ORDER SPECIFY:
Product, Grip, Jaw Style, Design No., Size, Total Jaw Travel, and Options required.

GRIP
High Force

DESIGN NO.*
2 - Imperial
6 - Metric

GRS 3 3 - 2 - 27 x 4.5 - FSR2 - Sxxxx

PRODUCT
Compact, highly configurable, parallel gripper with side mounting jaws

JAW STYLE
(See Below)
1 - Top Wide
3 - Side
4 - Top Narrow

SIZE	JAW STYLE	BORE SIZE Diameter mm	BORE SIZE Diameter in	MINIMUM TOTAL JAW TRAVEL Total Travel Per Bore Size mm	MINIMUM TOTAL JAW TRAVEL Total Travel Per Bore Size in
19	1	19	0.748	**4.5**	0.177
25	4	25	0.984	**6.5**	0.256
25	3	25	0.984	**7**	0.276
27	3	27	1.063	**4.5**	0.177
27	3	27	1.063	**7**	0.276
28	3	27	1.063	**6**	0.250
28	3	27	1.063	**10**	0.394
32	3	32	1.260	**8**	0.315
32	3	32	1.260	**13**	0.512
40	3	40	1.575	**13**	0.512
40	3	40	1.575	**19**	0.748
50	3	50	1.969	**19**	0.750
50	3	50	1.969	**28**	1.102
63	3	63	2.480	**32**	1.260
63	3	63	2.480	**44**	1.732

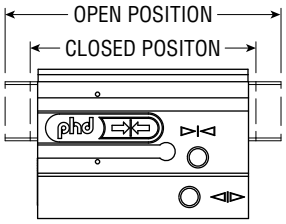
OPTIONS (OMIT IF NOT REQUIRED)
MANIFOLD & PORT OPTIONS
L11-UB99 - Manifold in location 99
L11-UB37 - Manifold in location 37 (includes GR3 option)
LT37 - Purge port in location 37
UB48 - Port in location 48
SENSOR OPTION
CP - Inductive Proximity Switch Ready
MOUNTING OPTION
GR3 - Mounting in location 37
SPRING ASSIST (JAW STYLE 3 UNITS ONLY)
FSR2 - Spring assist close
FSE2 - Spring assist open
FLUID COMPATIBILITY & LUBRICATION
V1 - Fluoroelastomer seals and lubricants
Y4 - Cleanroom grade lubricant
V6 - Fluoroelastomer seals and Cleanroom grade lubricant

JAW STYLE 1
SIZE 19

JAW STYLE 3
SIZES 25-63

JAW STYLE 4
SIZE 25

TOTAL JAW TRAVEL =
OPEN POSITION - CLOSED POSITION



NOTES:
* 1) Design number indicates imperial or metric mountings, dowel pin holes, and ports.
2) Standard unit includes magnet for Series JC1 Switches
**3) Inductive Proximity Switch Bundle adds -CP option, target and switch mounting brackets. Quantity of 1 includes 1 bracket, quantity of 2 includes 2 brackets.
4) Switch bundles available with gripper only.

⚠ Options may affect unit length. See dimensional pages and option information details.

SERIES JC1ST CORDSET

PART NO.	DESCRIPTION
81284-1-001	M8, 4 pin, Straight Female Connector, 5 m cable

SERIES JC1SDx CORDSET

PART NO.	DESCRIPTION
63549-02	M8, 3 pin, Straight Female Connector, 2 m cable
63549-05	M8, 3 pin, Straight Female Connector, 5 m cable