

GUIDED BLOCK CYLINDERS

HSGDA

Humphrey Guided Block Cylinders are heavy-duty air cylinders with precision guide shafts that are integrated into a unique extruded aluminum body and rugged tooling plate. They provide rigid movements while withstanding significant lateral loads. The rectangular design saves space and provides selection of mounting, porting and sensor switch options. Eight bore sizes are available.

BORE SIZES (mm):

- 12, 16, 20, 25, 32, 40, 50, 63

TYPE:

- Double Acting (HSGDA)

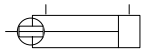
STANDARD STROKES (inch):

- 12,16mm bore: 1/2, 1, 1 1/2, 2, 3, 4
- Other Bores: 1/2, 1, 1 1/2, 2, 3, 4, 5, 6, 7, 8

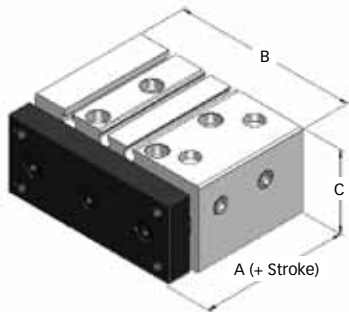
OPTIONS AND ACCESSORIES:

Sensor Switches, Reed and Non-Contact types (see page 53).

GUIDED LINEAR ACTUATORS



HSGDA



Model	Bore Size - Effective Area		Overall Dimensions			
	Bore Diameter (mm)	Piston Area inch ²	Length A + Stroke (inch)	Width-B (inch)	Depth-C (inch)	Port Thread
HSGDA	12	0.18	1.42	2.28	1.10	10-32 UNF
	16	0.31	1.58	2.68	1.26	
	20	0.49	2.05	3.23	1.58	1/8 PIPE
	25	0.76	2.13	3.62	1.65	
	32	1.25	2.32	4.49	1.89	
	40	1.95	2.48	4.89	2.13	1/4 PIPE
	50	3.04	2.76	5.91	2.60	
63	4.83	2.76	6.38	2.99		

HOW TO ORDER



SPECIFICATIONS

Media:	Air	
Pressure Range (PSIG):	12, 16, 20 Bores	22-145 PSIG
	20, 25, 32, 40, 50, 63 Bores	15-145 PSIG
Temperature Range:	32°F to 140°F	

HOW TO OBTAIN SPECIFICATIONS FOR CYLINDERS

- Go to www.humphrey-products.com
- Select "Online Product Guide." Follow the steps to get the cylinder you need.
- Once the specifications have been entered, select "Download Spec Sheet" to create a personalized PDF of the cylinder, which you may save to your computer and print at your convenience. These spec sheets are helpful when placing your order(s).

HOW TO ORDER HUMPHREY CYLINDERS AND ACCESSORIES

- Go to www.humphrey-products.com
- Select "Find A Distributor" and input your information to locate a distributor nearest you.
- Or, call Customer Service at 1-800-477-8707 for the name and phone number of your local distributor.

Humphrey **HUMPHREY PRODUCTS ARE SOLD WORLD-WIDE THROUGH AUTHORIZED DISTRIBUTORS**

Humphrey Guided Block Cylinders are heavy-duty air cylinders with precision guide shafts that are integrated into a unique extruded aluminum body and rugged tooling plate. They provide rigid movements while withstanding significant lateral loads. The rectangular design saves space and provides selection of mounting, porting and sensor switch options. Eight stroke-adjusting bore sizes are available. Stroke-adjusting range is 0 to 3/8".

BORE SIZES (mm):

- 12, 16, 20, 25, 32, 40, 50, 63

TYPE:

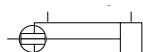
- Double Acting with Stroke Adjuster (HSGDAP)

STANDARD STROKES (inch):

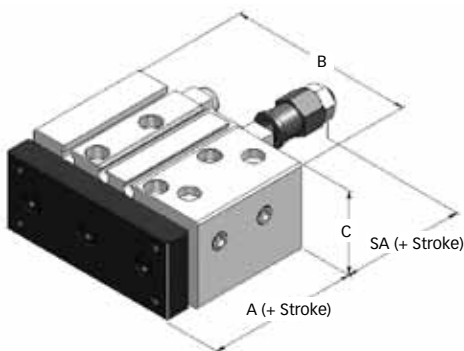
- 12,16mm bore: 1/2, 1, 1 1/2, 2, 3, 4
- Other Bores: 1/2, 1, 1 1/2, 2, 3, 4, 5, 6, 7, 8

OPTIONS AND ACCESSORIES:

Sensor Switches, Reed and Non-Contact types (see page 53).



HSGDAP



Model	Bore Size - Effective Area		Overall Dimensions				Port Thread
	Bore Diameter (mm)	Piston Area inch ²	Length A + Stroke (inch)	Add'l Length SA + Stroke (inch)	Width-B (inch)	Depth-C (inch)	
			1" Stroke Cylinder	1" Stroke Cylinder			
HSGDAP	12	0.18	1.42	1.24	2.28	1.10	10-32 UNF
	16	0.31	1.57	1.35	2.68	1.26	
	20	0.49	2.05	1.45	3.23	1.58	
	25	0.76	2.13	1.59	3.62	1.65	1/8 PIPE
	32	1.25	2.32	1.91	4.49	1.89	
	40	1.95	2.48	1.85	4.89	2.13	
	50	3.04	2.76	2.09	5.91	2.60	1/4 PIPE
	63	4.83	2.76	2.13	6.38	2.99	

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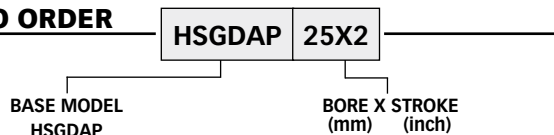
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