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Title: Stainless Steel Cylinders Accessories

ISO Date: April 10, 2006

Don't Take Chances
Compressed air is an extremely powerful medium. Always take maximum precautions when handling any component of a compressed air system. **Never** attempt to construct, replace, operate or service any component of a compressed air system unless you have been specifically and properly trained to do so. **Always** disconnect the supply air, and exhaust the air system before attempting to remove or service a component of that system. Failure to heed these warnings could result in SERIOUS, EVEN FATAL, PERSONAL INJURY.

Design And Specifications
The design and specifications and other product information contained in this catalog is for general reference purposes based upon customary and usual manufacturing standards and product applications. However, it is difficult to predict or to anticipate the functioning or suitability of the product for any particular application or use. Therefore, nothing herein shall be deemed a representation or warranty of the product design or specifications and Buyer shall have the responsibility for investigating and testing the product in any particular application or use and all risks attendant in such use.

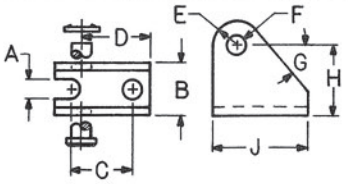
Humphrey Products Company
1-800-477-8707
Kalamazoo, MI 49003
www.humphrey-products.com

HUMPHREY AIR CYLINDERS

• Air Cylinder Accessories are made of carbon steel • Burnished for surface smoothness • Bright zinc plated for corrosion resistance

PIVOT BRACKET

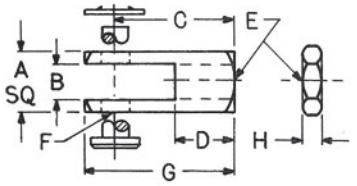
- For use with Pivot cylinders
- Cylinders can Pivot through 120°
- One-piece construction for Strength, and ease of cylinder installation/removal
- Pivot pin and cotter pin supplied (Available separately... order by part number)



Note: previously cataloged cylinders used two-piece Model BP-Pivot Bracket

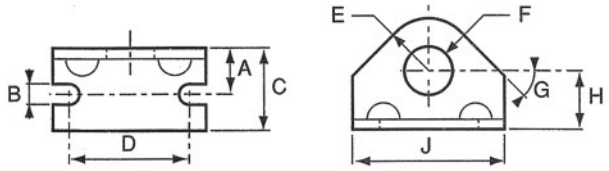
ROD CLEVIS

- For use on all cylinders
- Smooth beveled ends
- Locknut, clevis pin and cotter pin (Available separately... order by part number)



FOOT MOUNT

- For nose mounting and double-end mounting
- Gusseted for added strength

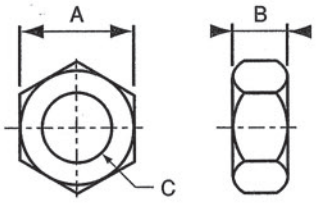


Accessory NUMBER	Cylinder Bore Sizes & MODELS	A	B	C	D	E	F	G	H	J
BP-8-C	1/2 (8)	.20	.52	.43	.54	.22	.16	50°	.64	.75
BP-11-C	3/4 (7) & 1 1/16 (6)	.26	.65	.75	.87	.31	.26	53°	.87	1.19
BP-25-C	1 1/4 (25)	.32	.77	.75	.94	.31	.26	53°	1.06	1.25
BP-15-C	1 1/2 (5) & 1 3/4 (75)	.39	.96	1.00	1.25	.38	.38	52°	1.37	1.63
BP-19-C	2 (4) & 2 1/2 (3)	.45	1.20	1.00	1.43	.38	.38	48°	1.68	1.81
CT-8	1/2 (8)	.38	.19	.75	.38	10-32	.19	.94	.12	
CT-7	3/4 (7)	.50	.25	.94	.50	1/4-28	.26	1.20	.16	
CT-11	1 1/16 (6)	.50	.26	.94	.50	5/16-24	.26	1.20	.19	
CT-15	1 1/4 (25) & 1 1/2 (5)	.75	.38	1.30	.75	7/16-20	.38	1.70	.25	
CT-19	1 3/4 (75), 2(4), 2 1/2 (3)	.75	.38	1.30	.75	1/2-20	.38	1.70	.31	
F-8-S	1/2 (8) Single Acting Types*	.31	.19	.62	1.00	.37	.38	56°	.57	1.38
F-8	1/2 (8) Double Acting Types	.31	.19	.62	1.00	.37	.44	56°	.57	1.38
F-7	3/4 (7) Single Acting Types**	.44	.19	.75	1.25	.40	.50	45°	.69	1.63
F-11	3/4 (7) Double Acting 1 1/16 (6) Single & Double Acting Types	.56	.27	1.00	1.50	.56	.63	45°	.81	1.88
F-15	1 1/4 (25) & 1 1/2 (5) All Types	.77	.27	1.50	1.89	.76	.76	49°	1.00	2.50
F-75	1 3/4 (75) All Types	.94	.34	1.50	2.25	.88	1.04	52°	1.25	3.00
F-19	2 (4) All Types	1.00	.34	1.62	2.25	1.00	1.38	60°	1.50	3.12
F-21	2 1/2 (3) All Types	1.00	.34	1.62	2.88	1.25	1.50	63°	1.75	3.75

*Model 8-SP requires one each F-8-S and F-8 for double end mount.
**Models 7-SP and 7-SHP require one each F-7 and F-11 for double end mount.

MOUNTING NUT/JAM NUT

- Mounting Nut for nose or pivot tang threads
- Jam Nut for locking Rod Clevis



Mounting Nut No.	Where to Use Cyl. Bore & Type	A	B	C	Clevis Nut No.	Where to Use Cyl. Bore Size All Types Com.	A	B	C
JN-8-S	1/2 Single Acting*	.56	.22	3/8-24	C110-9	1/2	.370	.12	10-32
JN-8	1/2 Double Acting	.68	.25	7/16-20	C110-762	3/4	.43	.16	1/4-28
JN-7	3/4 Single Acting**	.75	.31	1/2-20	C110-763	1 1/16	.50	.19	5/16-24
JN-11	3/4 Double Acting 1 1/16 All Types	.93	.37	5/8-18	JN-8	1 1/4 & 1 1/2	.68	.25	7/16-20
JN-15	1 1/4 All Types 1 1/2 All Types	1.12	.42	3/4-16	JN-7	1 3/4 & 2 & 2 1/2	.75	.31	1/2-20
JN-75	1 3/4 All Types	1.50	.56	1-14					
JN-19	2 All Types	1.88	.50	1 1/4-12					
JN-21	2 1/2 All Types	2.06	.50	1 3/8-12					

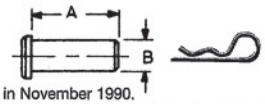
*Model 8-SP requires one each JN-8-S and JN-8 for double end mount.
**Models 7-SP and 7-SHP require one each JN-7 and JN-11 for double end mount.

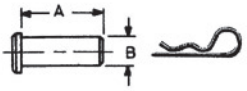
HUMPHREY AIR CYLINDERS

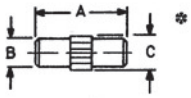
PIVOT PINS

May be ordered separately

**NOTE: Changed to Cotter Pin in November 1990.





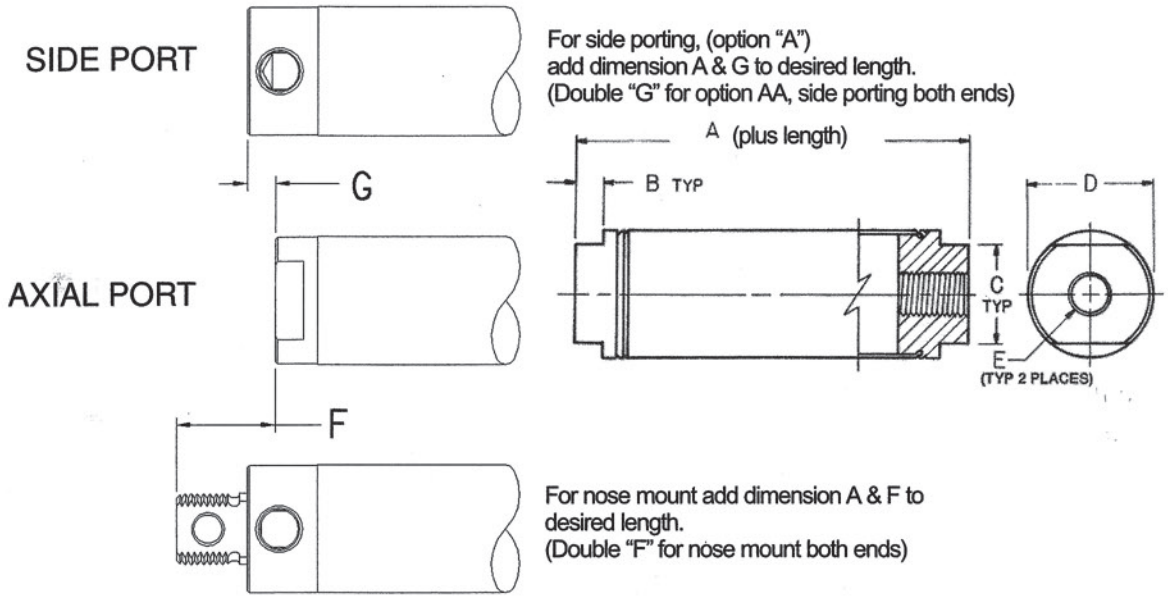


Bore Size	As supplied with Pivot Bracket:				Prefix BP-	As supplied with Rod Cleveis:				Prefix CT-	For press-fit into pivot hole			
	Pivot Pin	Retainer	A	B		Clevis Pin	Retainer	A	B		Pivot Pin	A	B	C
1/2 (8)	7563	7571	.70	.15	–8C	7568	7571	.55	.18	–8	C32-413	.50	.15	.17
3/4 (7) & 1 1/16 (6)	7564	757	.85	.25	–11C	7569	7571	.67	.25	–7	C32-619	.75	.24	.26
1 1/4 (25)	7565	7571	.98	.25	–25C	7569	7572	.94	.37	–11	C32-412	.87	.24	.26
1 1/2 (5) & 1 3/4 (75)	7566	7572	1.19	.37	–15C	7570	7572	.94	.37	–15	C32-928	1.12	.37	.39
2 (4) 2 1/2 (3)*	7567	7572	1.43	.37	–19C	7570	7572	.94	.37	–19				

*2 & 2 1/2 Bore models used shoulder bolt (Model C110-768), and nut (Model C110-759).

HUMPHREY VOLUME CHAMBERS

- For Vacuum or Air
- Ideal for Time Delay circuits
- Stainless Steel barrel
- Aluminum end caps



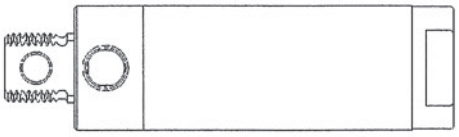
Order Example

Model	Type	Length	Options
8	C	5	A or AA

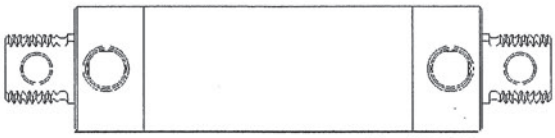
A = Side Port (one end)
AA = Side Port (both ends)

C = Axial piping (both ends) Note 1
CP = Nose mount (one end) Note 2
CPP = Nose mount (both ends)

Note 1: Add Option A for side porting one end, Option AA for both ends.
Note 2: CP also available with Option A.



Model CP



Model CPP

MODEL	BORE Dia. In.	VOLUME IN CU. Basic Volume*	VOLUME IN CU. Add per 1.0 inch length	DIMENSIONS A	B	C	D	E NPSF	F	G
8-C- ☐	1/2	.11	.20	1.35	.11	.37	.56	10-32	.96	.19
7-C- ☐	3/4	.40	.44	1.91	.16	.62	.81	1/8	1.35	.44
6-C- ☐	1 1/16	.88	.89	2.18	.25	.88	1.11	1/8	.88	.25
25-C- ☐	1 1/4	1.44	1.23	2.67	.18	.87	1.30	1/8	1.08	.31
5-C- ☐	1 1/2	1.68	1.77	2.26	.25	.88	1.55	1/8	1.06	.19
75-C- ☐	1 3/4	3.29	2.41	2.57	.25	1.24	1.80	1/4	1.56	.56
4-C- ☐	2	4.04	3.14	2.81	.32	1.25	2.07	1/4	1.37	.37
3-C- ☐	2 1/2	6.38	4.91	2.81	.31	2.07	2.61	1/4	1.37	.37

▲ YOU ENTER LENGTH HERE IN 1-INCH INCREMENTS.

*Add this volume to sum of the Per Inch Volume.
This basic volume exists before any 1-inch increments are added.
ORDER EXAMPLE: 5-C-2 (1 1/2 inch Bore/C type/2 inch length.
5.80 IN. CU. volume 4.26 inches total length