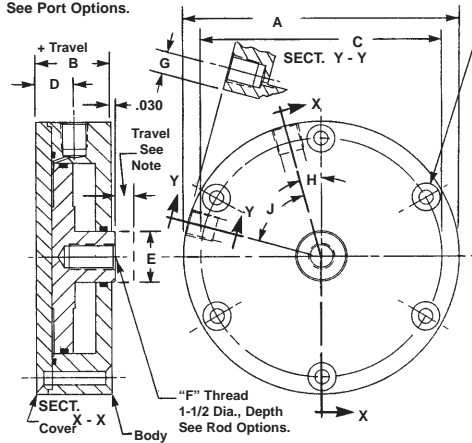


SHORT STROKE PNEUMATIC CYLINDERS - LO-Profile® SERIES B-SP-FM

Double Acting-Single Ended Pistons-Side Ported-Either Face Mounted

NOTE: 1/8 NPTF Ports.
See Port Options.



NOTES:

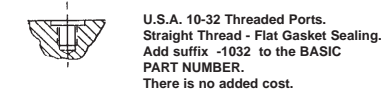
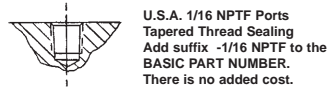
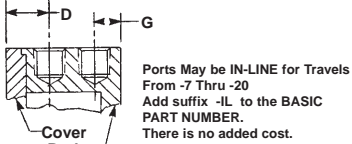
Dimensions are nominal in U.S. CUSTOMARY specifications. METRIC CYLINDERS are dimensionally equivalent with clearance holes, counterbores, threads & fasteners to metric specifications. See inside back cover for fastener conversion table. There is no added cost for METRIC CYLINDERS. An air/oil mist unit is recommended for internal lubrication. Where such units are not practical, SERVICE KITS including seals & factory approved lube are available. Cylinders may also be used in low pressure hydraulic and vacuum service.

PISTON DIAMETERS & NET AREAS

BASIC PART No.	PISTON DIA (IN)	EXT. AREA (SQ.IN.)	RET. AREA (SQ.IN.)
630(-)	1.800	2.545	2.238
6305(-)	2.300	4.155	3.713
631(-)	2.800	6.158	5.716
6315(-)	3.300	8.553	8.111
632(-)	3.800	11.341	10.899
6325(-)	4.300	14.522	13.737
633(-)	4.800	18.096	17.311

BASIC PART No.	O.D. A	BASIC BODY LENGTH B	B.C C	PORT OFFSET D	ROD DIA E	ROD THD. F	PORT OFFSET G	DEG. H	DEG. J	K	WR. FLATS L	DEPTH M	WIDTH N	REAM P	OFF-SET Q	LENGTH R	WIDTH S	LENGTH T	WIDTH U
630(-)	3.000	0.681	2.500	0.485	0.625	5/16-24	0.297	18	72	5	0.500	0.610	0.188	0.188	0.281	0.690	0.250	0.581	0.110
6305(-)	3.500	0.775	3.000	0.551	0.750	3/8-24	0.324	15	60	6	0.563	0.813	0.250	0.250	0.375	0.893	0.375	0.675	0.149
631(-)	4.000	0.775	3.500	0.551	0.750	3/8-24	0.324	15	60	6	0.563	0.813	0.250	0.250	0.375	0.893	0.375	0.675	0.149
6315(-)	4.500	0.900	4.000	0.625	0.750	7/16-20	0.375	11-1/4	45	8	0.563	0.813	0.250	0.250	0.375	0.893	0.375	0.800	0.172
632(-)	5.000	0.900	4.500	0.625	0.750	7/16-20	0.375	11-1/4	45	8	0.563	0.813	0.250	0.250	0.375	0.893	0.375	0.800	0.172
6325(-)	5.500	0.900	5.000	0.625	1.000	1/2-20	0.375	11-1/4	45	8	0.750	1.016	0.313	0.313	0.469	1.096	0.500	0.800	0.172
633(-)	6.000	0.900	5.500	0.625	1.000	1/2-20	0.375	11-1/4	45	8	0.750	1.016	0.313	0.313	0.469	1.096	0.500	0.800	0.172

OPTIONAL PORTS



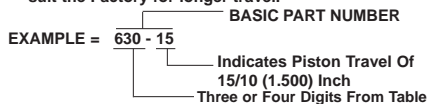
INTERNATIONAL PORTS

The following International Ports are available with minor modification to the product. Please consult the factory.

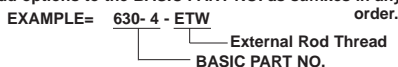
- U.S.A., S.A.E. -4
- British, 1/8 - 28 BSPT
- British, 1/8 - 28 BSPP
- Metric, M10x1, ISO 6149

HOW TO ORDER BASIC CYLINDERS

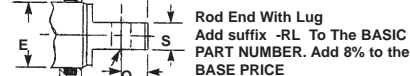
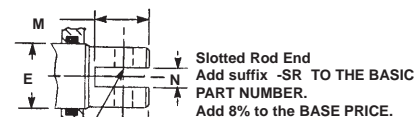
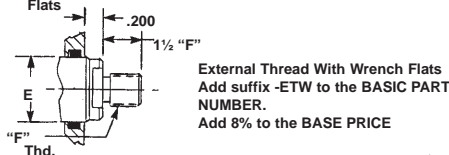
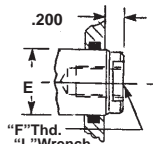
A BASIC PART NUMBER consists of a three or four digit number from the table followed by a dash number to indicate piston travel in increments of 1/10 (0.100) Inch. Travel to -20 (2.000) inches is standard. Please consult the Factory for longer travel.



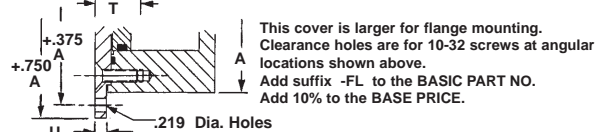
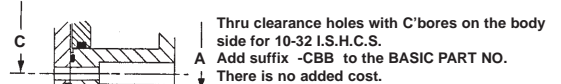
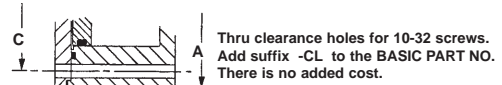
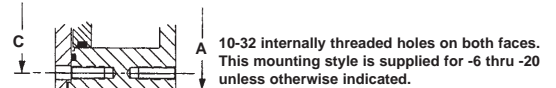
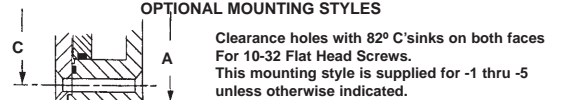
HOW TO ORDER CYLINDERS WITH OPTIONS
Add options to the BASIC PART NO. as suffixes in any order.



OPTIONAL ROD ENDS

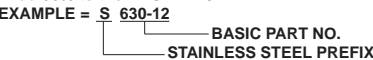


OPTIONAL MOUNTING STYLES



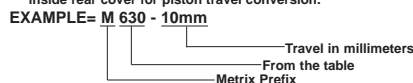
HOW TO ORDER CYLINDERS WITH STAINLESS STEEL PISTONS.

Add the letter -S as a prefix to the BASIC PART NO. Add 30% to the BASE PRICE.



HOW TO ORDER METRIC CYLINDERS

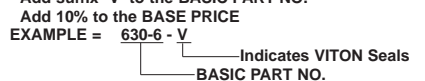
A BASIC PART NO. FOR METRIC CYLINDERS consists of a three or four digit number from the table with a prefix "M" and a suffix to indicate travel in millimeters. See inside rear cover for piston travel conversion.



HOW TO ORDER ALL STAINLESS STEEL CYLINDERS
Add the letter -SS as a prefix to the BASIC PART NO. Add 50% to the BASE PRICE.



HOW TO ORDER CYLINDERS WITH VITON SEALS
Add suffix -V to the BASIC PART NO. Add 10% to the BASE PRICE



HOW TO ORDER BUNA "N" SERVICE KITS
Specify the BASIC PART NO. followed by suffix -SK.

