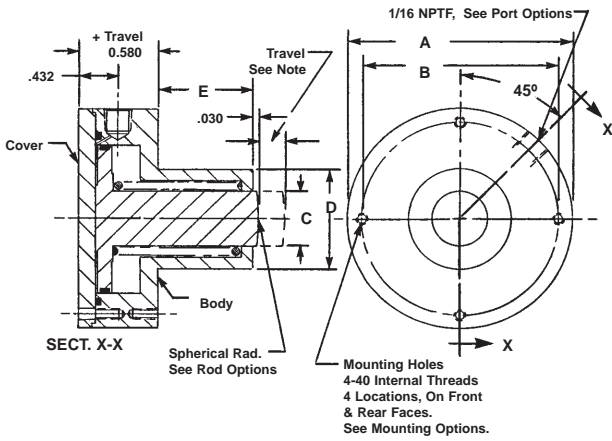


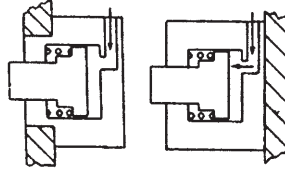
SHORT STROKE PNEUMATIC CYLINDERS - LO-Profile® SERIES A-SP-FM

Single Acting-Spring Retracting-Single Ended Pistons-Side Ported-Either Face Mounted



SPECIFICATIONS:
SERVICE, PLANT AIR
M.O.P., 300 PSI
TEMPERATURE, -40°F to +250°F

MATERIALS:
BODY & COVER, ALUMINUM ALLOY
PISTON, ALUMINUM ALLOY
SPRINGS, MUSIC WIRE
SEALS, BUNA "N" O RINGS
FASTENERS, ALLOY STEEL



Pictorial

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.

Wrench flats may not be necessary if cylinders can be pressurized in the retracted or extended position while tightening the rod joint.

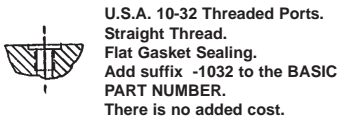
Inquiries regarding modifications to BASIC CYLINDERS are always welcome.

BASIC PART No.	O.D. A	BOLT CIRCLE B	ROD DIA. C	BOSS DIA. D	BOSS LENGTH E	THD. F	WR. FLATS G	LENGTH H	DEPTH J	OFF-SET K	REAM L	WIDTH M	WIDTH N	PISTON O.D. (IN.)	EXTEND PISTON AREA (SQ. IN)
1007(-)	1.000	0.688	0.250	0.500	Table 1	4-40	0.188	0.385	0.305	0.141	0.094	0.063	0.156	0.450	0.159
10075(-)	1.250	0.938	0.250	0.500	Table 1	4-40	0.188	0.385	0.305	0.141	0.094	0.063	0.156	0.575	0.260
1008(-)	1.500	1.188	0.375	0.813	0.456	10-32	0.281	0.486	0.406	0.188	0.125	0.125	0.188	0.700	0.385
10085(-)	1.750	1.438	0.375	0.813	0.456	10-32	0.281	0.486	0.406	0.188	0.125	0.125	0.188	0.950	0.709
1009(-)	2.000	1.688	0.625	1.125	0.931	5/16-24	0.500	0.690	0.610	0.281	0.188	0.188	0.250	1.200	1.131
10095(-)	2.250	1.938	0.625	1.125	0.931	5/16-24	0.500	0.690	0.610	0.281	0.188	0.188	0.250	1.450	1.651
1010(-)	2.500	2.188	0.625	1.125	0.931	5/16-24	0.500	0.690	0.610	0.281	0.188	0.188	0.250	1.700	2.270

TABLE 1

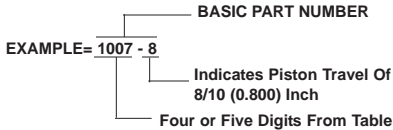
PART NO.	E
1007 -1 Thru -3	0.231
10075 -1 Thru -3	0.231
1007 -4 Thru -6	0.381
10075 -4 Thru -6	0.381
1007 -7 Thru -10	0.572
10075 -7 Thru -10	0.572

PORT OPTIONS



HOW TO ORDER BASIC CYLINDERS

A BASIC PART NUMBER consists of a four or five digit number followed by a dash number to indicate piston travel in increments of 1/10 (0.100) Inch.



HOW TO ORDER CYLINDERS WITH OPTIONS

Add options to the BASIC PART NO. as suffixes in any order.
EXAMPLE = 1007 - 6 -ETW

HOW TO ORDER CYLINDERS WITH STAINLESS STEEL PISTONS

Add the letter -S as a prefix to the BASIC PART NO.
Add 25% to the BASE PRICE.
EXAMPLE = S - 1007-6

HOW TO ORDER ALL STAINLESS STEEL CYLINDERS

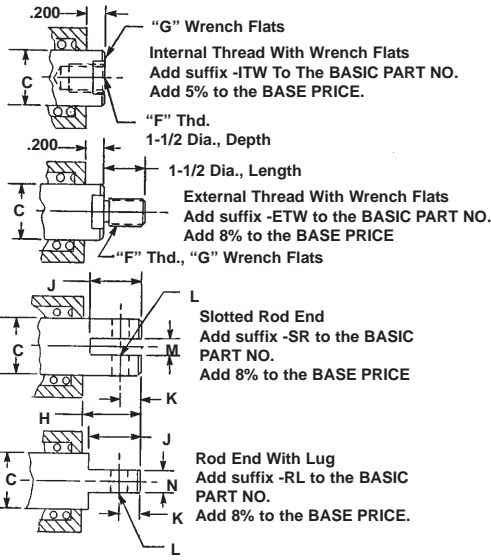
Add the letters -SS as a prefix to the BASIC PART NO.
Add 40% to the BASE PRICE.
EXAMPLE = SS - 1007-6

HOW TO ORDER METRIC CYLINDERS

A BASIC PART NO. FOR METRIC CYLINDERS consists of a four or five 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.
EXAMPLE = M 1008 - ()mm

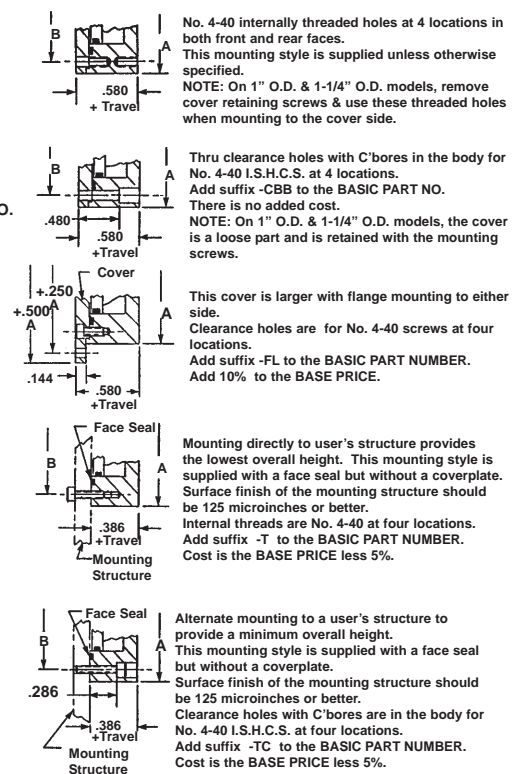
NOTE: Product #1007 is not available as a Metric Option

OPTIONAL ROD ENDS



Spring force for BASIC CYLINDERS is sufficient to fully retract pistons. Higher spring force may be required for retracting loads attached to rod ends. Please consult the factory.

OPTIONAL MOUNTING STYLES



HOW TO ORDER VITON SERVICE KITS

Specify the BASIC PART NO. followed by the suffix -VSK
EXAMPLE=1007-6 -VSK
Indicates VITON service kit.
BASIC PART NUMBER

HOW TO ORDER CYLINDERS WITH VITON SEALS

Add suffix -V to the BASIC PART NO.
Add 10% to the BASE PRICE
EXAMPLE = 1007 -6 - V
Indicates VITON Seals
BASIC PART NO.

HOW TO ORDER BUNA "N" SERVICE KITS

Specify the BASIC PART NO. followed by suffix -SK.
EXAMPLE = 1007-6 - SK
Indicates Buna "N" Service Kit
BASIC PART NO.

