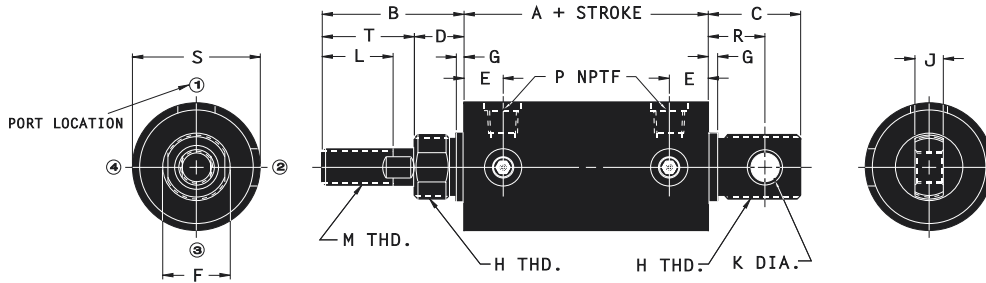
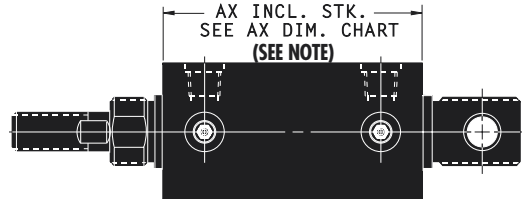


SINGLE ACTING CYLINDERS FSR / OSR / HSR / DSR



Models F/O/OLF



Models FSR / OSR/HSR/DSR

DIMENSION REFERENCE	CYLINDER BORE						DIMENSION REFERENCE	CYLINDER BORE							
	1 1/8	1 1/2	2	2 1/2	3 1/4	4		1 1/8	1 1/2	2	2 1/2	3 1/4	4		
A	2 ²⁵ / ₃₂	3 ⁵ / ₁₆	3 ⁵ / ₁₆	3 ⁵ / ₁₆	4 ¹¹ / ₁₆	4 ¹¹ / ₁₆	R	1 ¹¹ / ₁₆	7/8	1	1	1	1		
B	2 ¹ / ₈	2 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂	3 ¹⁹ / ₃₂	3 ¹⁹ / ₃₂	S	1 ³ / ₈	1 ³ / ₄	2 ¹ / ₄	2 ³ / ₄	3 ¹ / ₂	4 ¹ / ₄		
C	1 ¹ / ₁₆	1 ¹ / ₄	1 ⁵ / ₈	1 ⁵ / ₈	1 ¹¹ / ₁₆	1 ¹¹ / ₁₆	T	1 ¹ / ₂	1 ⁵ / ₈	1 ⁵ / ₈	1 ⁵ / ₈	2 ³ / ₈	2 ³ / ₈		
D	5/8	7/8	7/8	7/8	1 ⁷ / ₃₂	1 ⁷ / ₃₂	AH	3 ²⁵ / ₃₂	4 ⁵ / ₁₆	4 ⁵ / ₁₆	4 ⁵ / ₁₆	5 ¹¹ / ₁₆	5 ¹¹ / ₁₆		
E	1 ⁹ / ₃₂	1 ¹¹ / ₁₆	1 ¹¹ / ₁₆	1 ¹¹ / ₁₆	3 ¹ / ₃₂	3 ¹ / ₃₂	UC	1/2	1/2	1/2	1/2	1 ⁵ / ₁₆	1 ⁵ / ₁₆		
F	1.062	1.187	1.187	1.187	1.687	1.687	UT	-	3/4	3/4	3/4	1 ¹ / ₈	1 ¹ / ₈		
G	1/8	5/32	5/32	5/32	5/32	5/32	AX DIMENSION CHART INCLUDING STROKE LENGTHS								
H	1-14	1 ¹ / ₈ -12	1 ¹ / ₈ -12	1 ¹ / ₈ -12	1 ⁵ / ₈ -12	1 ⁵ / ₈ -12	CYLINDER BORE SIZE	STROKE LENGTHS							
J	1/2	1/2	1/2	1/2	3/4	3/4		1" or Less	Over 1" to 1 1/2"	Over 1 1/2" to 2 1/2"	Over 2 1/2" to 3"	Over 3" to 3 1/2"	Over 3 1/2" to 4 1/2"	Over 4 1/2" to 5 1/2"	Over 5 1/2" to 6"
K	5/16	5/16	7/16	7/16	1/2	1/2	1 1/8	6 ²⁵ / ₃₂	7 ²⁵ / ₃₂	8 ²⁵ / ₃₂	9 ²⁵ / ₃₂	10 ²⁵ / ₃₂	11 ²⁵ / ₃₂	13 ²⁵ / ₃₂	15 ²⁵ / ₃₂
L	1 1/8	1 1/4	1 1/4	1 1/4	1 7/8	1 7/8	1 1/2, 2, 2 1/2	7 ⁵ / ₁₆	8 ⁵ / ₁₆	9 ⁵ / ₁₆	10 ⁵ / ₁₆	11 ⁵ / ₁₆	12 ⁵ / ₁₆	14 ⁵ / ₁₆	16 ⁵ / ₁₆
M*	1/2-20	5/8-18	5/8-18	5/8-18	1-14	1-14		8 ¹¹ / ₁₆	9 ¹¹ / ₁₆	10 ¹¹ / ₁₆	11 ¹¹ / ₁₆	12 ¹¹ / ₁₆	13 ¹¹ / ₁₆	15 ¹¹ / ₁₆	17 ¹¹ / ₁₆
P-NPTF	1/8	1/4	1/4	1/4	1/2	1/2									

* Thread size and rod diameter.

Note: Dimensions not shown remain the same (according to bore size) as on the Models F/O/OLF drawing with the following exceptions: Models HDE, DDE, HCC and DCC use AH dimension in place of A dimension and Models HSR and DSR add 1" to all AX dimensions. See Application Information for special options.