



F-Series All Stainless Steel Pneumatic Cylinders - 1-1/16 inch Bore

1-1/16 in. Bore, Double-acting, Front Nose Mount



NITRA pneumatic stainless steel round body, interchangeable, non-repairable cylinder, 1-1/16 inch bore, 1/8 inch female NPT ports, double acting, front nose mount.

All Stainless Steel Cylinder 1-1/16 in. bore, double acting, front nose mount				
Part Number	Stroke Length (in.)	Weight (lbs)	Price	Drawing Link
<u>F17005DN</u>	0.5	0.6	\$121.00	<u>PDF</u>
<u>F17010DN</u>	1.0	0.6	\$122.00	<u>PDF</u>
<u>F17020DN</u>	2.0	0.6	\$126.00	<u>PDF</u>
<u>F17030DN</u>	3.0	0.8	\$128.00	<u>PDF</u>
<u>F17040DN</u>	4.0	0.8	\$130.00	<u>PDF</u>
<u>F17050DN</u>	5.0	0.9	\$133.00	<u>PDF</u>
<u>F17060DN</u>	6.0	0.9	\$135.00	<u>PDF</u>
<u>F17080DN</u>	8.0	1.1	\$139.00	<u>PDF</u>
<u>F17100DN</u>	10.0	1.2	\$144.00	<u>PDF</u>
<u>F17120DN</u>	12.0	1.4	\$150.00	<u>PDF</u>
Specifications				
300 series stainless steel cylinder body		0.90 sq. in. piston area		
Rod diameter 5/16 in.		Rod thread 5/16-24		
300 series stainless steel end caps		Pre-lubricated for maintenance-free life		
300 series stainless steel piston rod		Pressure rating 250 psi		
Low friction Buna-N seals		Temperature range -20°F to 200°F (-28 to 93°C)		
Extend force at 100 psi = 90.0 lb.		Retract force at 100 psi = 82.3 lb.		

Mount Style	Bracket	Nut
Front Nose Mount	<u>FMB-6</u>	FN-58-18
Rear Pivot Mount	—	—
Double End Mount	Front	—
	Rear	—

Cylinder rod clevis [FRC-516-24](#)

See end of *F-series* section for Accessories



F-Series All Stainless Steel Pneumatic Cylinders - 1-1/16 inch Bore

1-1/16 in. Bore, Double-acting, Double End Mount



NITRA pneumatic stainless steel round body, interchangeable, non-repairable cylinder, 1-1/16 inch bore, 1/8 inch female NPT ports, double acting, double end mount.

All Stainless Steel Cylinder 1-1/16 in. bore, double acting, double end mount				
Part Number	Stroke Length (in.)	Weight (lbs)	Price	Drawing Link
<u>F17010DD</u>	1.0	0.6	\$147.00	<u>PDF</u>
<u>F17020DD</u>	2.0	0.6	\$150.00	<u>PDF</u>
<u>F17030DD</u>	3.0	0.8	\$152.00	<u>PDF</u>
<u>F17040DD</u>	4.0	0.8	\$155.00	<u>PDF</u>
<u>F17050DD</u>	5.0	0.9	\$157.00	<u>PDF</u>
<u>F17060DD</u>	6.0	0.9	\$160.00	<u>PDF</u>
<u>F17080DD</u>	8.0	1.1	\$165.00	<u>PDF</u>
<u>F17100DD</u>	10.0	1.2	\$169.00	<u>PDF</u>
<u>F17120DD</u>	12.0	1.4	\$174.00	<u>PDF</u>
Specifications				
300 series stainless steel cylinder body		0.90 sq. in. piston area		
Rod diameter 5/16 in.		Rod thread 5/16-24		
300 series stainless steel end caps		Pre-lubricated for maintenance-free life		
300 series stainless steel piston rod		Pressure rating 250 psi		
Low friction Buna-N seals		Temperature range -20°F to 200°F (-28 to 93°C)		
Extend force at 100 psi = 90.0 lb.		Retract force at 100 psi = 82.3 lb.		

Mount Style	Bracket	Nut
Front Nose Mount	<u>FMB-6</u>	FN-58-18
Rear Pivot Mount	<u>FPBP-2</u>	—
Double End Mount	Front	<u>FMB-6</u> FN-58-18
	Rear	<u>FMB-6</u> FN-58-18

Cylinder rod clevis [FRC-516-24](#)

See end of F-series section for Accessories



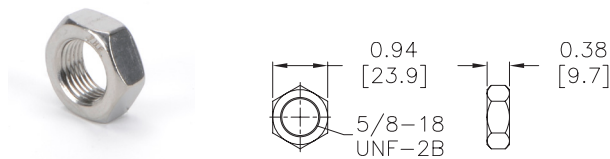
F-Series All Stainless Steel Pneumatic Cylinder Accessories

F-Series All Stainless Steel Pneumatic Cylinder Accessories				
Part Number	Description	Pcs/Pkg	Wt (lb)	Price
FN-58-18	Cylinder mounting nut with 5/8-18 UNF-2B threads, stainless steel, used to mount 3/4 and 1-1/16 inch bore NITRA F-series round body air cylinders	1	0.1	\$3.50
FN-34-16	Cylinder mounting nut with 3/4-16 UNF-2B threads, stainless steel, used to mount 1-1/2 inch bore NITRA F-series round body air cylinders	1	0.1	\$4.50
FN-114-12	Cylinder mounting nut with 1-1/4-12 UNF-2B threads, stainless steel, used to mount 2 inch bore NITRA F-series round body air cylinders	1	0.3	\$11.00
FMB-6	Cylinder mounting bracket, stainless steel, used to mount 3/4 and 1-1/16 inch bore NITRA F-series round body air cylinders	1	0.1	\$10.00
FMB-7	Cylinder mounting bracket, stainless steel, used to mount 1-1/2 inch bore NITRA F-series round body air cylinders	1	0.2	\$30.50
FMB-11	Cylinder mounting bracket, stainless steel, used to mount 2 inch bore NITRA F-series round body air cylinders	1	0.5	\$44.00
FPBP-2	Cylinder pivot mounting bracket with pivot pin, stainless steel, used to mount 3/4 and 1-1/16 inch bore NITRA F-series round body air cylinders	1	0.1	\$28.00
FPBP-3	Cylinder pivot mounting bracket with pivot pin, stainless steel, used to mount 1-1/2 inch bore NITRA F-series round body air cylinders	1	0.2	\$35.00
FPBP-4	Cylinder pivot mounting bracket with pivot pin, stainless steel, used to mount 2 inch bore NITRA F-series round body air cylinders	1	0.3	\$43.00
FRC-14-28	Cylinder rod clevis and hex nut, stainless steel, 1/4-28 thread, for use with 3/4 inch bore NITRA F-series round body air cylinders	1	0.1	\$36.00
FRC-516-24	Cylinder rod clevis and hex nut, stainless steel, 5/16-24 thread, for use with 1-1/16 inch bore NITRA F-series round body air cylinders	1	0.1	\$40.50
FRC-716-20	Cylinder rod clevis and hex nut, stainless steel, 7/16-20 thread, for use with 1-1/2 inch bore NITRA F-series round body air cylinders	1	0.2	\$50.00
FRC-12-20	Cylinder rod clevis and hex nut, stainless steel, 1/2-20 thread, for use with 2 inch bore NITRA F-series round body air cylinders	1	0.2	\$59.00

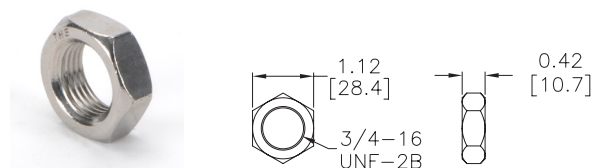
Dimensions

inches [mm]

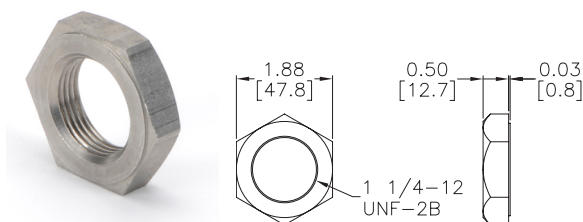
[**FN-58-18**](#)



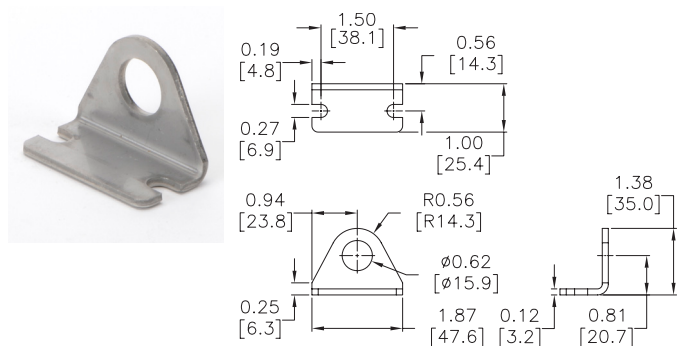
[**FN-34-16**](#)



[**FN-114-12**](#)



[**FMB-6**](#)



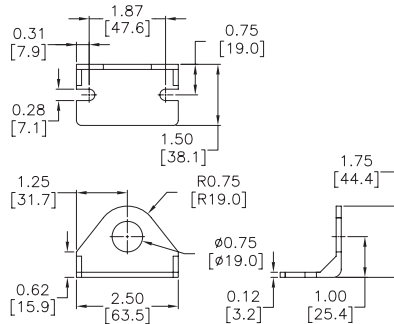


F-Series All Stainless Steel Pneumatic Cylinder Accessories

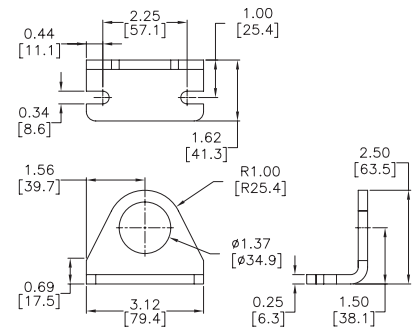
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inches [mm]

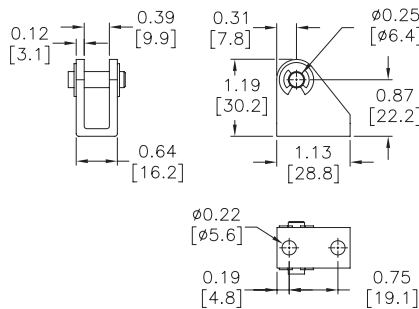
FMB-7



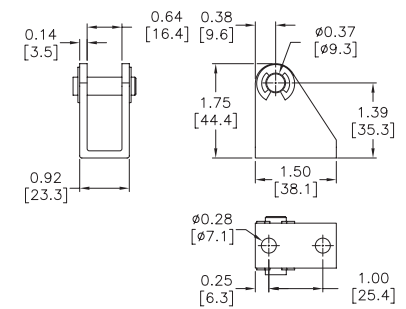
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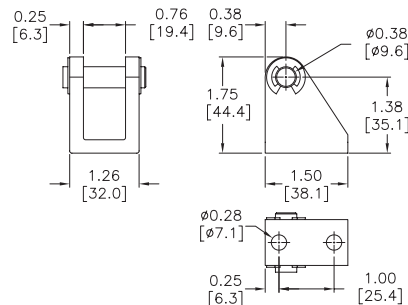
FPBP-2



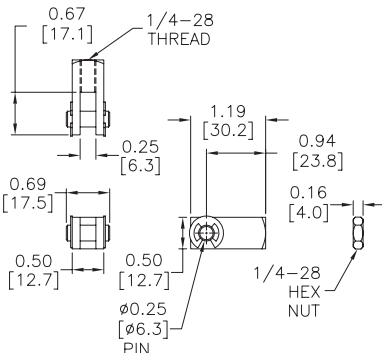
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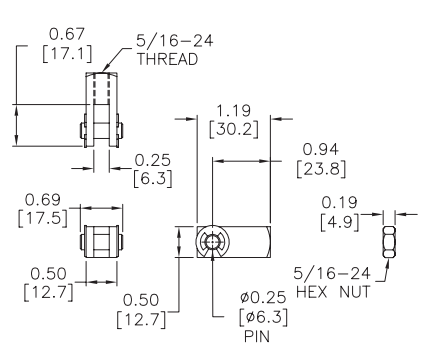
FPBP-4



FRC-14-28



FRC-516-24



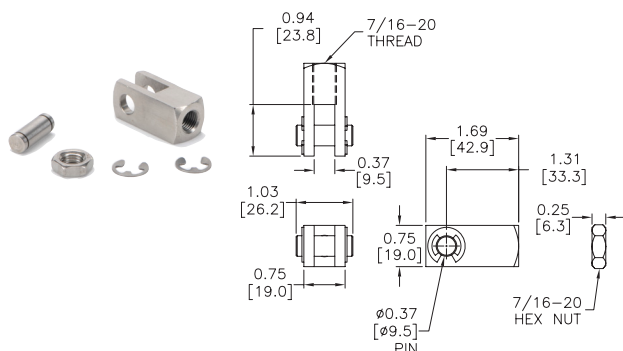


F-Series All Stainless Steel Pneumatic Cylinder Accessories

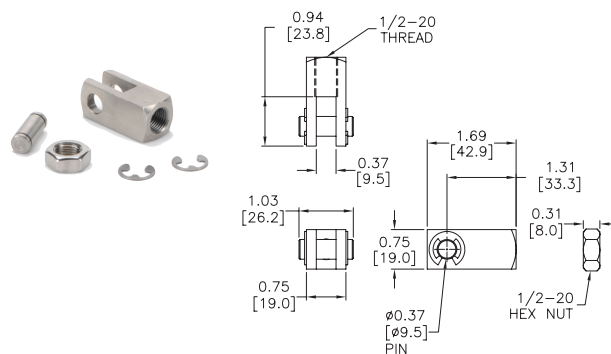
Dimensions

inches [mm]

FRC-716-20



FRC-12-20





CPS Series Cylinder Position Switches

Position Switch Cross Reference Chart

NITRA Switch Type	Cylinder Brand (may fit some of these cylinders)	Photo Example	Groove Illustration	
CPS CPSF	NITRA A-Series NITRA D-Series NITRA F-Series			
CPS9C	DE-STA-CO Robohand SMC Compact Air Bimba Fabco			
CPS9D	NITRA L-Series Fabco Numatics Rotomation			
CPS9E	NITRA L-Series Fabco Numatics Rotomation			
CPS9F	NITRA G-Series Fabco Festo Numatics Rotomation			
CPS9H	NITRA E-Series NITRA H-Series			
CPS9M	Norgren			
CPS9Q	NITRA L-Series NITRA G-Series Parker Fabco Festo Numatics Rotomation			