



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

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



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, magnetic piston.

All Stainless Steel Cylinder 1-1/16 in. bore, double acting, double end mount, magnetic piston				
Part Number	Stroke Length (in.)	Weight (lbs)	Price	Drawing Link
F17010DD-M	1.0	0.6	\$164.00	PDF
F17020DD-M	2.0	0.6	\$166.00	PDF
F17030DD-M	3.0	0.8	\$168.00	PDF
F17040DD-M	4.0	0.8	\$172.00	PDF
F17050DD-M	5.0	0.9	\$174.00	PDF
F17060DD-M	6.0	0.9	\$176.00	PDF
F17080DD-M	8.0	1.1	\$181.00	PDF
F17100DD-M	10.0	1.2	\$186.00	PDF
F17120DD-M	12.0	1.4	\$190.00	PDF
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 185°F (-28 to 85°C)		
Extend force at 100 psi = 90.0 lb.		Retract force at 100 psi = 82.3 lb.		

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

Cylinder rod clevis [FRC-516-24](#)
See end of F-series section for Accessories



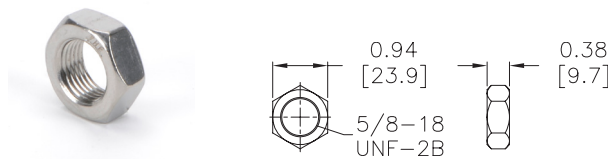
F-Series All Stainless Steel Pneumatic Cylinder Accessories

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

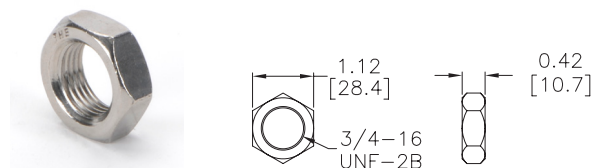
Dimensions

inches [mm]

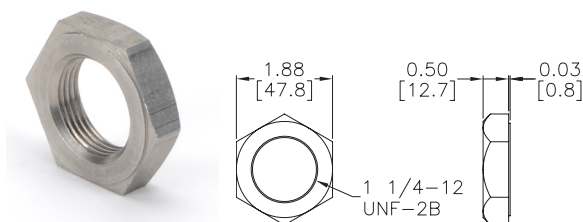
[**FN-58-18**](#)



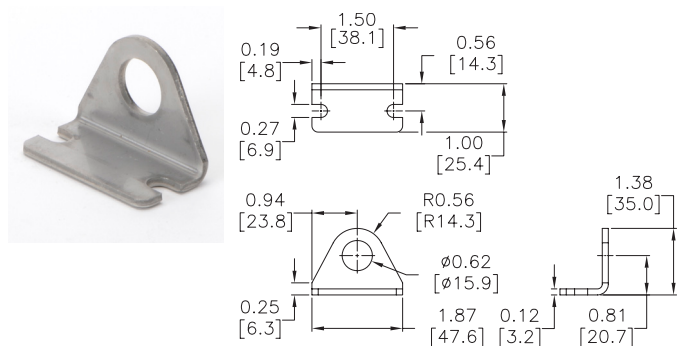
[**FN-34-16**](#)



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



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



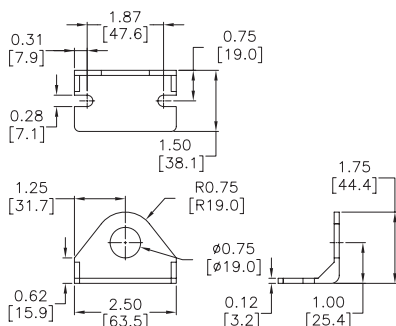


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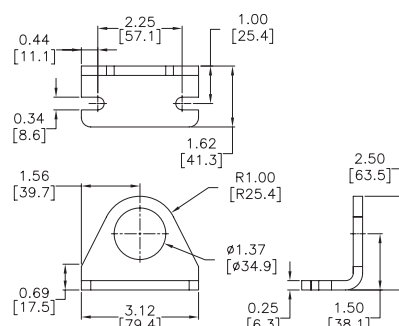
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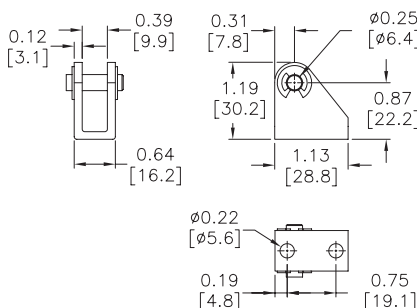
FMB-7



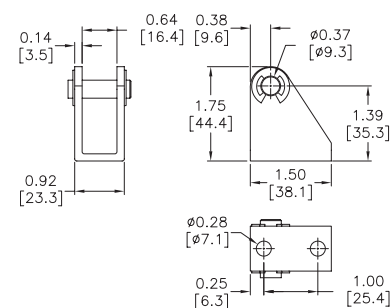
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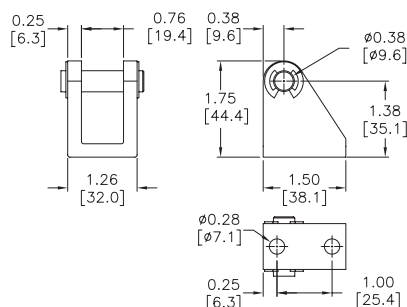
FPBP-2



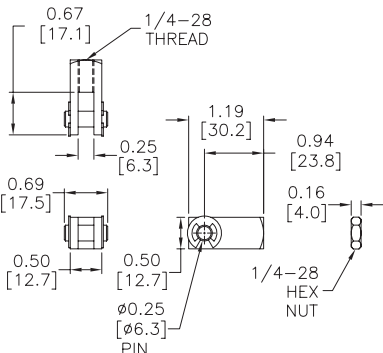
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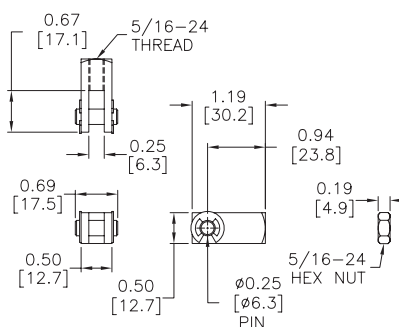
FPBP-4



FRC-14-28



FRC-516-24



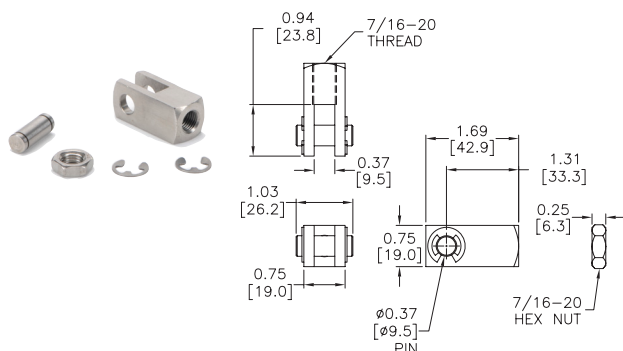


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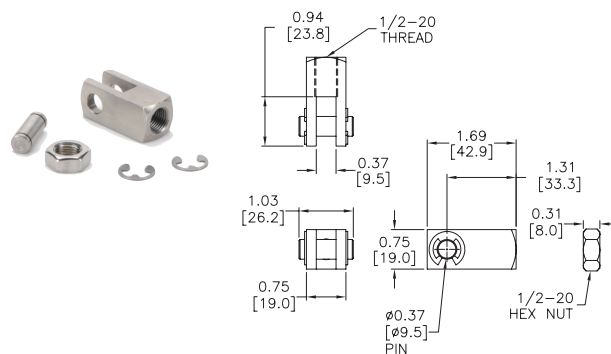
Dimensions

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			