



F-Series All Stainless Steel Pneumatic Cylinders - 3/4 inch Bore

3/4 in. Bore, Double-acting, Front Nose Mount



NITRA pneumatic stainless steel round body, interchangeable, non-repairable cylinder, 3/4 inch bore, 1/8 inch female NPT ports, double acting, front nose mount.

All Stainless Steel Cylinder 3/4 in. bore, double acting, front nose mount				
Part Number	Stroke Length (in.)	Weight (lbs)	Price	Drawing Link
F12005DN	0.5	0.3	\$,005x,:	PDF
F12010DN	1.0	0.3	\$005y1:	PDF
F12015DN	1.5	0.5	\$005y2:	PDF
F12020DN	2.0	0.5	\$005y4:	PDF
F12030DN	3.0	0.5	\$005y6:	PDF
F12040DN	4.0	0.5	\$005y8:	PDF
F12050DN	5.0	0.6	\$005ya:	PDF
F12060DN	6.0	0.6	\$005yc:	PDF
F12080DN	8.0	0.8	\$005ye:	PDF
F12100DN	10.0	0.8	\$005yg:	PDF
F12120DN	12.0	0.9	\$-005yi:	PDF
Specifications				
300 series stainless steel cylinder body		0.40 sq. in. piston area		
Rod diameter 1/4 in.		Rod thread 1/4-28		
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 = 40.0 lb.		Retract force at 100 psi = 35.1 lb.		

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

Cylinder rod clevis [FRC-14-28](#)

See end of F-series section for Accessories



F-Series All Stainless Steel Pneumatic Cylinders - 3/4 inch Bore

3/4 in. Bore, Double-acting, Double End Mount



NITRA pneumatic stainless steel round body, interchangeable, non-repairable cylinder, 3/4 inch bore, 1/8 inch female NPT ports, double acting, double end mount.

All Stainless Steel Cylinder 3/4 in. bore, double acting, double end mount				
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<u>F12005DD</u>	0.5	0.3	\$005x?:	<u>PDF</u>
<u>F12010DD</u>	1.0	0.3	\$005y0:	<u>PDF</u>
<u>F12020DD</u>	2.0	0.5	\$005y3:	<u>PDF</u>
<u>F12030DD</u>	3.0	0.5	\$005y5:	<u>PDF</u>
<u>F12040DD</u>	4.0	0.5	\$005y7:	<u>PDF</u>
<u>F12050DD</u>	5.0	0.6	\$005y9:	<u>PDF</u>
<u>F12060DD</u>	6.0	0.6	\$005yb:	<u>PDF</u>
<u>F12080DD</u>	8.0	0.8	\$005yd:	<u>PDF</u>
<u>F12100DD</u>	10.0	0.8	\$;005yf:	<u>PDF</u>
<u>F12120DD</u>	12.0	0.9	\$005yh:	<u>PDF</u>
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300 series stainless steel cylinder body		0.40 sq. in. piston area		
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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-14-28](#)
See end of F-series section for Accessories



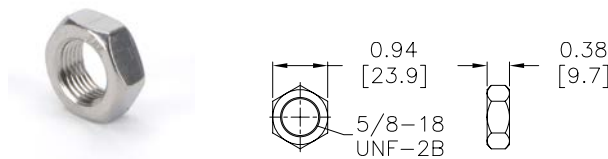
F-Series All Stainless Steel Pneumatic Cylinder Accessories

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	\$,6fs:
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	\$,6fq:
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	\$,06fp:
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	\$05hh:
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	\$-05hi:
FMB-11	Cylinder mounting bracket, stainless steel, used to mount 2 inch bore NITRA F-series round body air cylinders	1	0.5	\$05hg:
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	\$-05hj:
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	\$05hk:
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	\$-05hl:
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	\$,05#:
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	\$,;05t!:
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	\$,05!?:
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	\$,05!_:

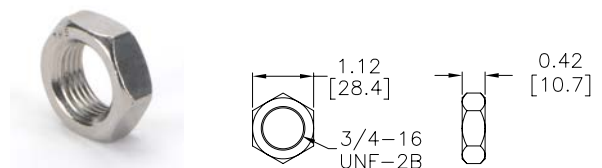
Dimensions

inches [mm]

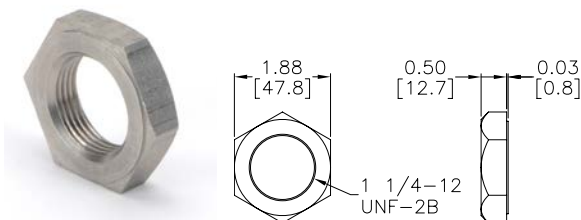
[**FN-58-18**](#)



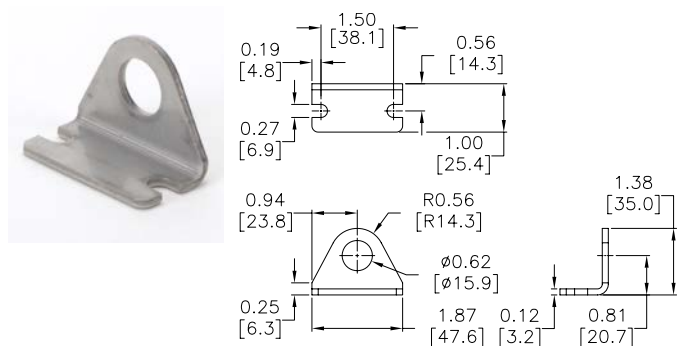
[**FN-34-16**](#)



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



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



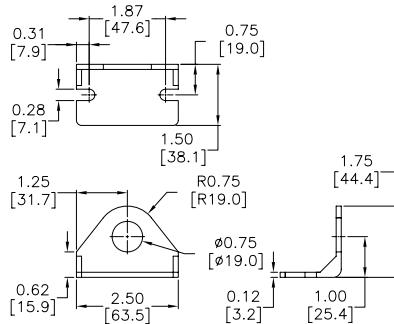


F-Series All Stainless Steel Pneumatic Cylinder Accessories

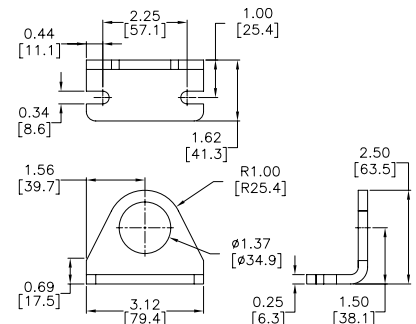
Dimensions

inches [mm]

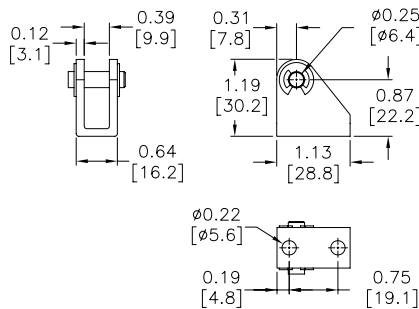
FMB-7



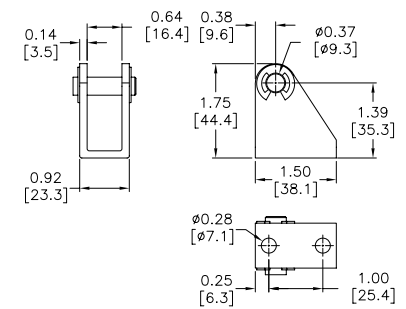
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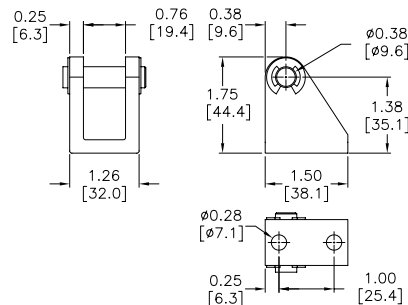
FPBP-2



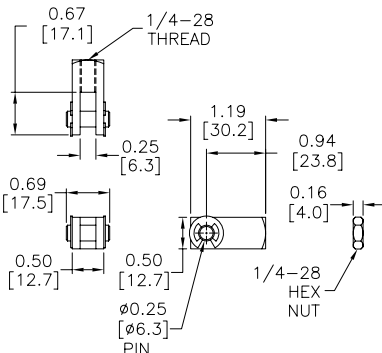
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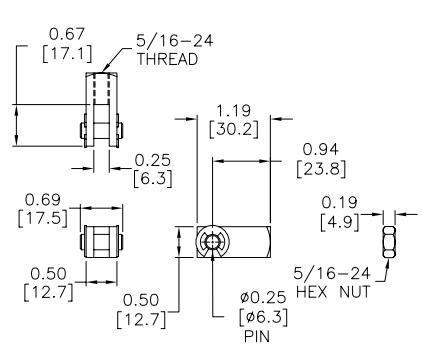
FPBP-4



FRC-14-28



FRC-516-24



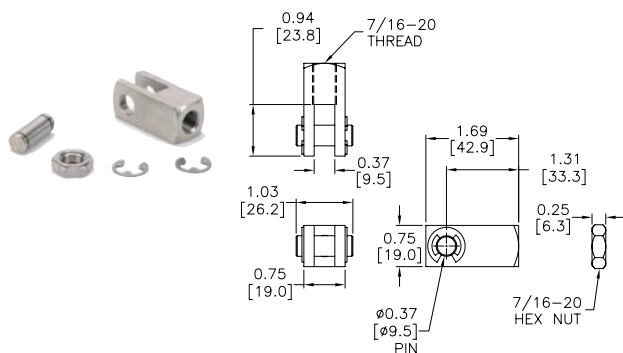


F-Series All Stainless Steel Pneumatic Cylinder Accessories

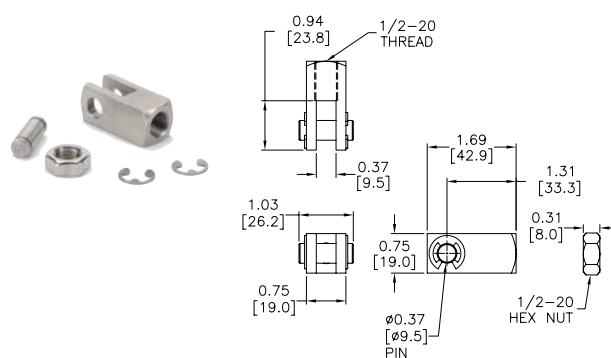
Dimensions

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			