



ISO 6432 Pneumatic Cylinders

Metal Work ISO 6432 pneumatic cylinders offer a metric standard option for non-repairable round body cylinders. They are dimensionally interchangeable with other brands.



Part No. [1120200050XP](#)

Features

- Double acting
- Magnetic piston
- Universal mount
- Stainless Steel piston rod



Visit www.automationdirect.com for a wide variety of application fittings.



For additional details refer to the manufacturer technical specifications by clicking or scanning the QR code

Metal Work ISO 6432 Pneumatic Cylinder Technical Specifications				
Bore	12mm	16mm	20mm	25mm
Max. Operating Pressure	10 bar (145 psi)			
Temperature Range	-20 to 80°C (-4 to 176°F)			
Design	Chamfered stainless steel barrel			
Fluid	Filtered air without lubrication; lubrication, if used, must be continuous			
Extend Force @ 100psi (lbf)	17.5	31.2	48.7	76.1
Retract Force @ 100psi (lbf)	13.1	26.8	40.9	63.9

Metal Work ISO 6432 Pneumatic Cylinder Selection							
Part Number	Bore	Rod Diameter	Port Size	Stroke	Drawing Link	Weight (lbs)	Price
1120120050XP	12mm	6mm	M5 x 0.8 female ISO	50mm	PDF	0.22	\$33.00
1120120075XP				75mm	PDF	0.24	\$34.00
1120120100XP				100mm	PDF	0.26	\$34.50
1120120125XP				125mm	PDF	0.29	\$35.50
1120120150XP				150mm	PDF	0.31	\$37.50
1120120200XP				200mm	PDF	0.36	\$38.50
1120160050XP	16mm	6mm	M5 x 0.8 female ISO	50mm	PDF	0.25	\$35.00
1120160075XP				75mm	PDF	0.28	\$36.00
1120160100XP				100mm	PDF	0.31	\$36.50
1120160125XP				125mm	PDF	0.33	\$38.00
1120160150XP				150mm	PDF	0.36	\$41.50
1120160200XP				200mm	PDF	0.42	\$41.50
1120200050XP	20mm	8mm	G1/8 female BSPP	50mm	PDF	0.45	\$37.50
1120200075XP				75mm	PDF	0.49	\$39.50
1120200100XP				100mm	PDF	0.53	\$40.00
1120200125XP				125mm	PDF	0.57	\$41.00
1120200150XP				150mm	PDF	0.62	\$43.00
1120200200XP				200mm	PDF	0.70	\$45.50
1120200250XP				250mm	PDF	0.79	\$56.00
1120200300XP				300mm	PDF	0.87	\$60.00
1120250050XP	25mm	10mm	G1/8 female BSPP	50mm	PDF	0.64	\$42.00
1120250075XP				75mm	PDF	0.71	\$44.00
1120250100XP				100mm	PDF	0.77	\$45.00
1120250125XP				125mm	PDF	0.83	\$46.50
1120250150XP				150mm	PDF	0.90	\$50.00
1120250200XP				200mm	PDF	1.02	\$52.00
1120250250XP				250mm	PDF	1.15	\$64.00
1120250300XP				300mm	PDF	1.28	\$69.00


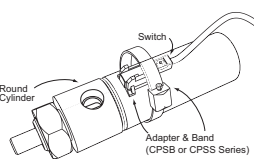
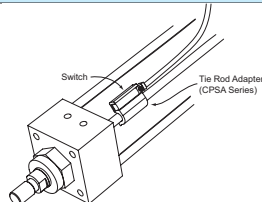

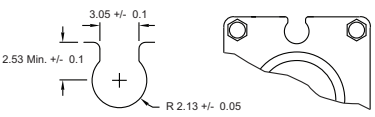

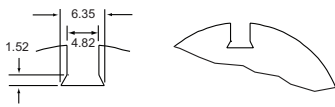

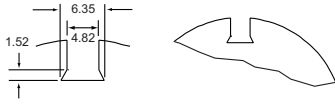
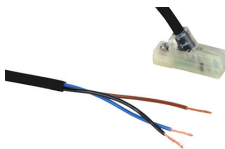
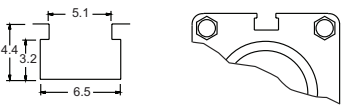
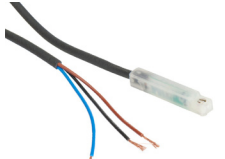
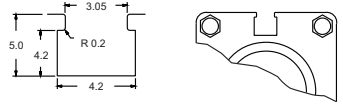

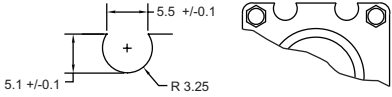

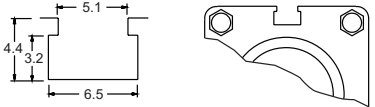


ISO 6432 Pneumatic Cylinder Accessories

Metal Work ISO 6432 Pneumatic Cylinder Accessories					
Item	Part No.	Description	Weight (lbs)	Drawing Link	Price
	<u>W0950120001</u>	Metal Work foot mount bracket, plated steel. For use with 12mm and 16mm bore ISO 6432 cylinders.	0.96	<u>PDF</u>	\$2.00
	<u>W0950200001</u>	Metal Work foot mount bracket, plated steel. For use with 20mm and 25mm bore ISO 6432 cylinders.	0.19	<u>PDF</u>	\$2.50
	<u>W0950120002</u>	Metal Work flange mount plate, plated steel. For use with 12mm and 16mm bore ISO 6432 cylinders.	0.06	<u>PDF</u>	\$2.50
	<u>W0950200002</u>	Metal Work flange mount plate, plated steel. For use with 20mm and 25mm bore ISO 6432 cylinders.	0.12	<u>PDF</u>	\$5.25
	<u>W0950120020</u>	Metal Work rod clevis, M6 x 1.0 thread, plated steel. For use with 12mm and 16mm bore ISO 6432 cylinders.	0.05	<u>PDF</u>	\$2.00
	<u>W0950200020</u>	Metal Work rod clevis, M8 x 1.25 thread, plated steel. For use with 20mm bore ISO 6432 cylinders.	0.11	<u>PDF</u>	\$2.25
	<u>W0950322020</u>	Metal Work rod clevis, M10 X 1.25 thread, plated steel. For use with 25mm bore ISO 6432 cylinders.	0.21	<u>PDF</u>	\$2.75
	<u>W0950120025</u>	Metal Work rod eye, M6 x 1.0 thread, plated steel. For use with 12mm and 16mm bore ISO 6432 cylinders.	0.07	<u>PDF</u>	\$9.75
	<u>W0950200025</u>	Metal Work rod eye, M8 x 1.25 thread, plated steel. For use with 20mm bore ISO 6432 cylinders.	0.11	<u>PDF</u>	\$10.50
	<u>W0950322025</u>	Metal Work rod eye, M10 X 1.25 thread, plated steel. For use with 25mm bore ISO 6432 cylinders.	0.17	<u>PDF</u>	\$12.00
	<u>0950120010</u>	Metal Work mounting nut, M16 X 1.5 thread, plated steel. For use with 12mm and 16mm bore ISO 6432 cylinders.	0.05	<u>PDF</u>	\$1.50
	<u>0950200010</u>	Metal Work mounting nut, M22 x 1.5 thread, plated steel. For use with 20mm and 25mm bore ISO 6432 cylinders.	0.07	<u>PDF</u>	\$2.00
	<u>0950120011</u>	Metal Work rod nut, M6 x 1.0 thread, plated steel. For use with 12mm and 16mm bore ISO 6432 cylinders.	0.01	<u>PDF</u>	\$1.25
	<u>0950200011</u>	Metal Work rod nut, M8 x 1.25 thread, plated steel. For use with 20mm bore ISO 6432 cylinders.	0.01	<u>PDF</u>	\$1.75
	<u>0950322010</u>	Metal Work rod nut, M10 X 1.25 thread, plated steel. For use with 25mm bore ISO 6432 cylinders.	0.02	<u>PDF</u>	\$2.00



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 Metal Work ISO-6432		 
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 Metal Work Dual Rod		
CPS9H	NITRA E-Series NITRA H-Series		
CPS9M	Norgren		
CPS9Q	NITRA L-Series NITRA G-Series Parker Fabco Festo Numatics Rotomation Metal Work Dual Rod		



CPSB and CPSS Series Cylinder Position Switches - Mounting Bands

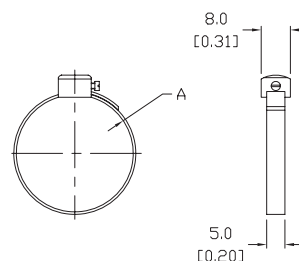
NITRA Cylinder Switch SS Mounting Bands with Plastic Caps			
Part No.	Description	Price	Weight (lbs)
<u>CPSB-07</u>	Mounting band to secure a T-slot cylinder position switch to a 5/16 to 7/16 inch (8 & 10 mm) bore round body cylinder.	\$3.00	0.1
<u>CPSB-14</u>	Mounting band to secure a T-slot cylinder position switch to a 9/16 to 7/8 inch (12, 16 & 20 mm) bore round body cylinder.	\$3.00	0.1
<u>CPSB-20</u>	Mounting band to secure a T-slot cylinder position switch to a 1-1/16 to 1-1/4 inch (25 & 32 mm) bore round body cylinder.	\$3.50	0.1
<u>CPSB-24</u>	Mounting band to secure a T-slot cylinder position switch to a 1-1/2 inch (40 mm) bore round body cylinder.	\$3.75	0.1
<u>CPSB-32</u>	Mounting band to secure a T-slot cylinder position switch to a 1-3/4 to 2 inch (50 mm) bore round body cylinder.	\$4.25	0.1
<u>CPSB-40</u>	Mounting band to secure a T-slot cylinder position switch to a 2-1/2 inch (63 mm) bore round body cylinder.	\$4.50	0.1
<u>CPSB-52</u>	Mounting band to secure a T-slot cylinder position switch to a 3 inch (80 mm) bore round body cylinder.	\$5.25	0.1
<u>CPSB-64</u>	Mounting band to secure a T-slot cylinder position switch to a 4 inch (100 mm) bore round body cylinder.	\$5.25	0.1

[CPSB-20](#)[CPSS-52](#)

NITRA Cylinder Switch All Stainless Steel Mounting Bands			
Part No.	Description	Price	Weight (lbs)
<u>CPSS-07</u>	Stainless steel mounting band to secure a T-slot cylinder position switch to a 7/16 to 9/16 inch (10 to 12 mm) bore round body cylinder.	\$6.25	0.1
<u>CPSS-14</u>	Stainless steel mounting band to secure a T-slot cylinder position switch to a 3/4 to 1-1/16 inch (16 to 25 mm) bore round body cylinder.	\$6.50	0.1
<u>CPSS-20</u>	Stainless steel mounting band to secure a T-slot cylinder position switch to a 1-1/4 inch (32 mm) bore round body cylinder.	\$6.75	0.1
<u>CPSS-24</u>	Stainless steel mounting band to secure a T-slot cylinder position switch to a 1-1/2 inch (40 mm) bore round body cylinder.	\$7.00	0.1
<u>CPSS-32</u>	Stainless steel mounting band to secure a T-slot cylinder position switch to a 1-3/4 to 2 inch (50 mm) bore round body cylinder.	\$7.50	0.1
<u>CPSS-40</u>	Stainless steel mounting band to secure a T-slot cylinder position switch to a 2-1/2 inch (63 mm) bore round body cylinder.	\$7.75	0.1
<u>CPSS-52</u>	Stainless steel mounting band to secure a T-slot cylinder position switch to a 3 inch (80 mm) bore round body cylinder.	\$8.00	0.1
<u>CPSS-64</u>	Stainless steel mounting band to secure a T-slot cylinder position switch to a 4 inch (100 mm) bore round body cylinder.	\$8.25	0.1

Dimensions

mm [inches]



CYLINDER POSITION SWITCHES			
PART #	DIM A	PART #	DIM A
CPSX-07	ø11.0-ø19.0 [ø0.43-ø0.75]	CPSX-32	ø48.0-ø59.0 [ø1.89-ø2.32]
CPSX-14	ø18.0-ø29.0 [ø0.71-ø1.14]	CPSX-40	ø58.0-ø69.0 [ø2.28-ø2.72]
CPSX-20	ø28.0-ø39.0 [ø1.10-ø1.54]	CPSX-52	ø78.0-ø89.0 [ø3.07-ø3.50]
CPSX-24	ø38.0-ø49.0 [ø1.50-ø1.93]	CPSX-64	ø98.0-ø109.0 [ø3.86-ø4.29]

CPSX-XX