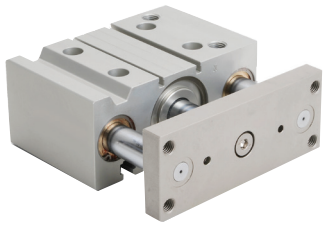
E-Series Dual Guide Rod Cylinders

50mm Bore, Double Acting

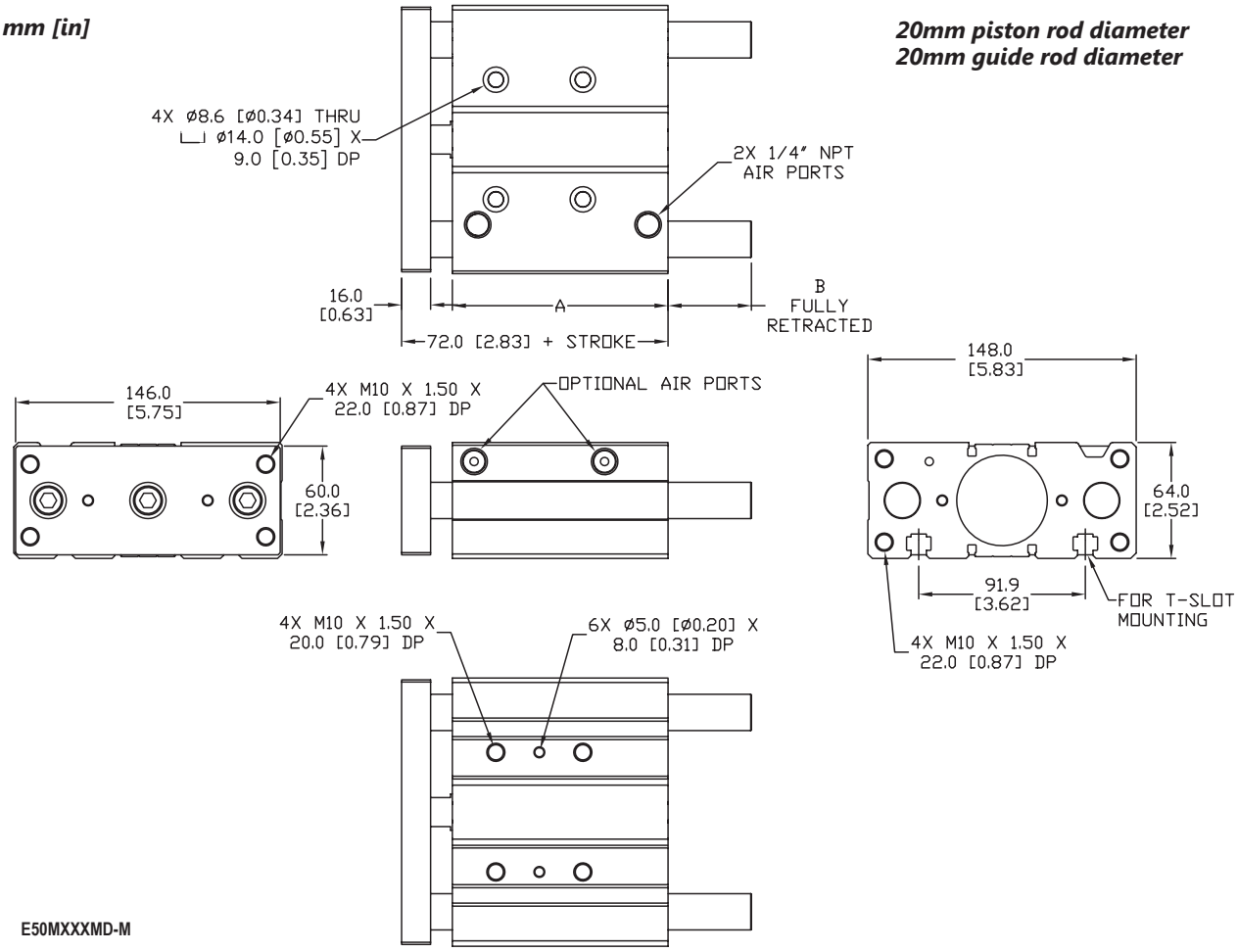


50mm Bore E-Series Dual Guide Rod Cylinders - Double Acting					
Part Number	*Stroke Length (mm)*	*"A" (mm [in])*	*"B" (mm [in])*	*Weight (lbs)*	*Price*
E50M030MD-M	30	74.0 [2.91]	17.0 [0.67]	6.3	
E50M040MD-M	40	84.0 [3.31]	17.0 [0.67]	6.8	
E50M050MD-M	50	94.0 [3.70]	17.0 [0.67]	7.3	
E50M075MD-M	75	119.0 [4.69]	46.0 [1.81]	9.8	
E50M100MD-M	100	144.0 [5.67]	46.0 [1.81]	11.0	
E50M175MD-M	175	219.0 [8.62]	62.0 [2.44]	15.1	

Dimensions

mm [in]

20mm piston rod diameter
20mm guide rod diameter



E50MXXXMD-M

See our website www.AutomationDirect.com for complete Engineering drawings.

E-Series Dual Guide Rod Cylinders - Load and Torque Ratings

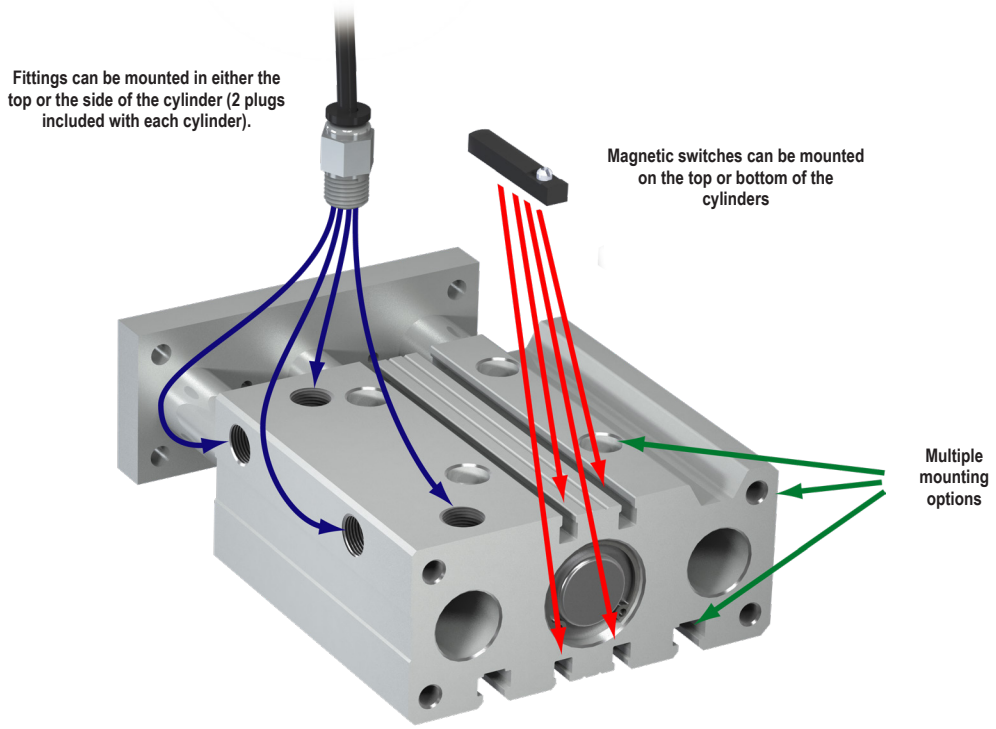
Cylinder Max Side Load Ratings (lbs)													
Bore Size (mm)	Stroke (mm)												
	10	20	25	30	40	50	75	100	125	150	175	200	250
12	9.9	7.4	6.5	5.9	9.2	8.1	5.9	5.0	4.3	3.8	–	–	–
16	15	11	9.5	8.3	14	13	8.3	7.2	6.1	5.4	5.0	4.5	–
20	–	18	14	13	28	25	20	17	15	13	12	11	9.5
25	–	21	20	17	32	29	23	19	20	18	16	15	12
32	–	–	46	43	40	37	41	35	32	29	26	24	20
40	–	–	46	43	40	37	41	35	32	29	26	24	20
50	–	–	67	64	60	55	61	54	49	44	40	37	32
63	–	–	67	64	60	55	61	54	49	44	40	37	32

Conversion: 1 lb = 4.45 N

Cylinder Max Torque Ratings (in-lb)													
Bore Size (mm)	Stroke (mm)												
	10	20	25	30	40	50	75	100	125	150	175	200	250
12	7.97	6.99	6.28	5.75	6.82	6.37	4.43	3.19	2.74	2.39	–	–	–
16	10.7	9.20	8.32	7.79	10.89	9.82	6.11	5.13	4.43	3.89	3.54	3.19	–
20	–	13.9	12.6	11.6	21.2	19.0	16.6	14.4	12.7	11.3	10.3	9.38	7.97
25	–	21.2	19.6	17.8	32.4	29.7	26.2	22.7	20.0	17.9	16.2	14.8	12.6
32	–	–	56.2	53.1	50.7	45.4	50.4	44.0	39.1	35.2	32.0	29.3	25.1
40	–	–	62.0	58.4	54.1	50.1	55.5	48.5	43.1	38.8	35.2	32.3	27.7
50	–	–	115	112	97.4	95.6	106	93.8	84.1	76.1	69.6	64.1	55.2
63	–	–	130	120	114	107	119	105	94.7	85.8	78.4	72.2	62.3

Conversion: 1 in-lb = 0.113 N-m

E-Series Dual Guide Rod Cylinders



NITRA pneumatic guided actuator with dual guide rods, bronze bushings, extruded aluminum housing and switch mounting tracks.

- Eight bore sizes
- Interchangeable with other popular brands
- Work with 4 mm square T-slot cylinder switches
- Chrome plated stainless steel guide rods
- Mild steel tooling plate
- Nitrile / Buna-N O-rings

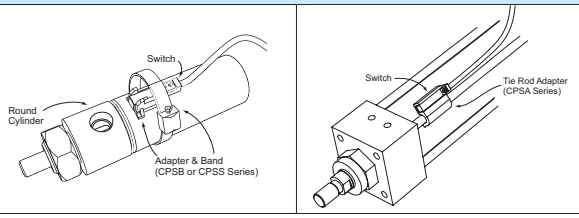
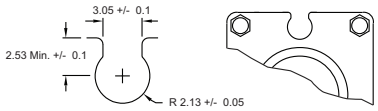
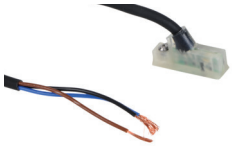
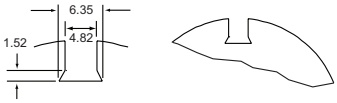
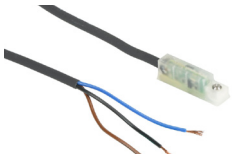
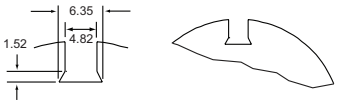
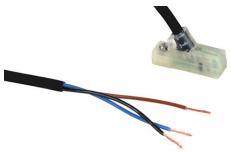
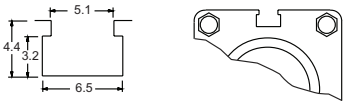
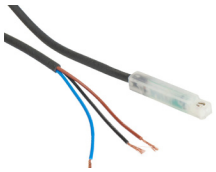
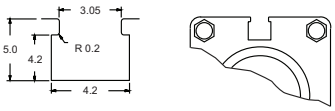
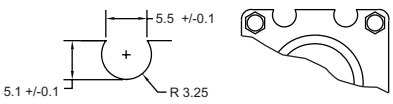
2 YEAR WARRANTY

E-Series Dual Guide Rod Cylinder Specifications								
Bore Size (mm)	12	16	20	25	32	40	50	63
Action	Double acting							
Fluid	Air (clean/dry)							
Temperature Range	23 to 158 °F (-5 to +70 °C)							
Pressure Range	18-142 psi (1.2-10 bar)							
Proof Pressure	213 psi (15 bar)							
Lubrication	Not required							
Cushion Type	Urethane Bumper							
Non-Rotate Tolerance	±0.10°		±0.09°		±0.08°		±0.06°	
Port Size	M5x0.8		1/8-NPT				1/4-NPT	
Extend Force @ 100 psi (lbs)	17.5	31.2	48.7	76.1	124.7	194.8	304.3	483.2
Retract Force @ 100 psi (lbs)	9.7	19.0	31.2	44.9	76.0	146.1	255.6	434.5

NITRA PNEUMATICS

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 Metal Work Dual Rod (12mm only)		
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 (not 12mm)		
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 (not 12mm)		