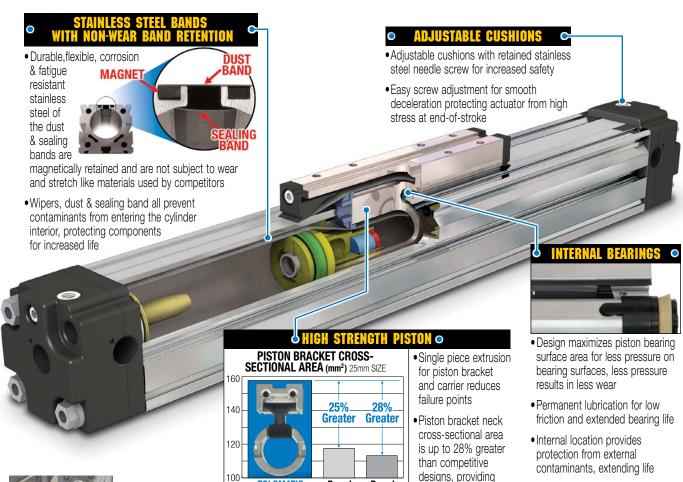


# INTERNAL BEARING RODLESS BAND CYLINDER

MXP-N internal bearing compact air cylinder is a low-cost solution for applications requiring limited loads and bending moments. It features the lowest breakaway pressure of the MXP line of cylinders. The MXP-N is great for use in vertical applications and its internal bearing is permanently lubricated for reduced maintenance.

MXP-N



Brand "O"

Brand "F"



# **Applications:**

100

- Animatronic robots
- Automotive
- Bag positioning
- Carton filling
- Clamping
- Conveying
- Conveyor door control
- Diverting
- Material Handling

Packaging

TOLOMATIC MXP

- Palletizing
- Pick & place
- Pull-off system
- Test stands
- Transfer station
- Theater animations
- Wire winding
- and many more

# **Standard Features:**

# Mounting

Direct mount via head bolts; US Standard or Metric

increased durability

### Carrier

Flexible mounting pattern

#### Sensors

Internal magnet

#### **Porting**

4 ported heads; NPT, Metric Parallel (ISO-G/ BSP) & Metric Taper (Rc/BST) available on both metric and US standard mount actuators

## **Available Options:**

### Mounting

Tube clamps; Foot mounts

### Carrier

Floating mount; Auxiliary carrier

#### Sensors

Reed, Solid State PNP or NPN, all available normally open or normally closed

#### **Porting**

Single end porting

#### **Shock Absorbers**

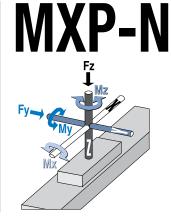
Fixed or adjustable position



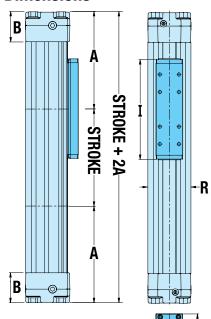
# INTERNAL BEARING RODLESS BAND CYLINDER

			ENDIN OMEN		LOAD	THRUST
<b>BORE</b>		Mx	My	Mz	Fz	(at 100 PSI)
	in	(in-lbs)		lbf	lbf	
16	0.63	3	35	5	30	30.7
25	1.00	9	132	27	65	78.5
32	1.25	36	318	120	115	123
40	1.50	55	575	156	195	177
50	2.00	98	1,017	172	270	314
63	2.50	120	1,776	216	370	491

		BENDING MOMENTS			LOAD	THRUST
BORE		Mx	My	Mz	Fz	(at 6.9 bar)
	mm	(N-m)			N	N
16	16	0.3	4.0	0.6	133	136
25	25	1.0	14.9	3.1	289	349
32	32	4.1	35.9	13.6	512	546
40	38	6.2	65	17.6	867	786
50	50	11.1	115	19.4	1,201	1,397
63	64	13.6	201	24.4	1,646	2,184



### **Dimensions**



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	16	25	32	40	50	63
Α	3.13	3.94	4.90	5.82	6.29	8.45
В	0.55	1.11	1.50	1.50	1.97	1.97
C	1.55	2.07	2.67	2.98	3.86	4.76
D	1.17	1.65	2.18	2.52	3.01	3.94
I	3.78	4.45	5.04	5.87	6.57	9.69
R	1.18	1.65	2.18	2.52	3.10	3.94

Dimensions in inches

	16	25	32	40	50	63
Α	79.6	100.2	124.5	147.7	159.8	214.5
В	14.0	28.3	38.1	38.0	50.0	50.0
C	39.3	52.6	67.8	75.8	98.1	120.8
D	29.8	42.0	55.4	64.0	78.7	100.0
Ι	96.0	113.0	128.0	149.0	166.8	246.0
R	30.0	42.0	<i>55.4</i>	64.0	78.7	100.0

Dimensions in millimeters

The MXP-N is a great choice for vertical applications with it's low cost and high My bending moment



# Tolomatic EXCELLENCE IN MOTION

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