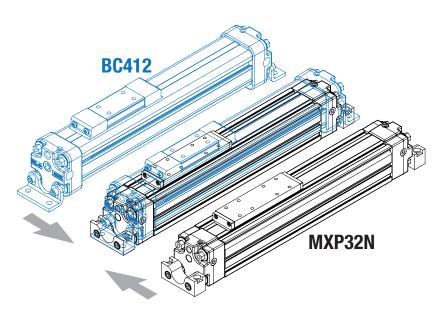
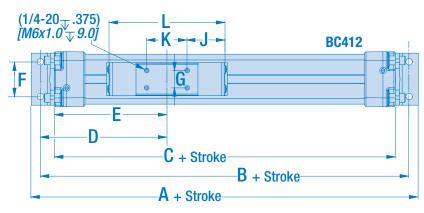
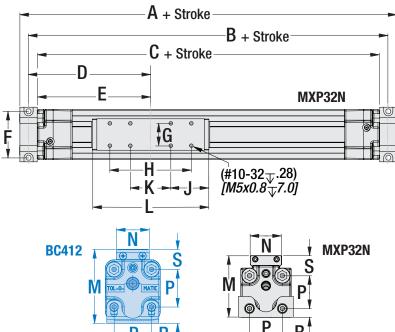


8100-4009 00







# **Conversion from BC412 to MXP32N**

#### **Bore Size:**

The bore size of the BC412 is 1.25" [32 mm]. The bore size of the MXP32N is 1.25" [32 mm].

## **Envelope Size:**

With foot mounts, the overall length, height and width of the BC412 is slightly larger than the MXP32N of equal stroke length.

# **Dead Length:**

Dead length is the part of the band cylinder required for mounting and mechanisms. The overall length of a band cylinder is the stroke length plus the dead length ("C" dimension in the table).

The BC412 dead length is 9.736" [247.29mm] compared to the MXP32N at 9.803" [249.00mm].

Dimensions in inches

BC412 MXP32N

	DOTIL	WIXI OLIV
Α	11.737	11.299
В	10.937	10.551
C	9.736	9.803
D	5.469	5.276
Ε	4.868	4.902
F	1.500	2.008
G	0.750	0.965
Н	-	3.522
J	1.625	1.625
K	1.750	1.750
L	4.942	5.039
M	3.200	2.668
N	1.424	1.358
P	1.620	1.420
R	0.716	0.380

1.470

1.460

Dimensions in millimeters

	BC412	MXP32N
Α	298.12	287.00
В	277.80	268.00
C	247.29	249.00
D	138.90	134.00
Е	123.65	124.50
F	38.10	51.00
G	16.05	24.51
Н	-	89.46
J	41.28	41.28
K	44.45	44.45
L	125.53	128.00
M	81.28	67.77
N	36.17	34.50
Р	41.15	36.07
R	18.19	9.65
S	37.34	37.08

# **MOUNTING**

#### **MOUNTING VIA HEAD BOLTS:**

Bolt pattern "P" on the BC412 is 1.620" [41.15 mm] square. Bolt pattern "P" on the MXP32N is 1.420" [36.07 mm] square.

#### CARRIER RELATION TO HEAD BOLT MOUNTING:

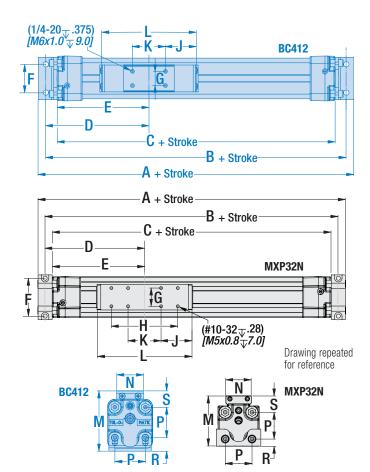
1. Distance from the top of the carrier to the center of the top mounting bolts "S" is decreased by 0.010" [0.25 mm].

#### **MOUNTING VIA FOOT MOUNTS:**

- 1. When mounting the BC412 with foot mounts the distance between the mounting brackets "B" is reduced by 0.386" [9.8 mm] when using the MXP32N.
- 2. Height of the carrier relative to the bottom of the foot mounts "M" is reduced by 0.532" [13.51 mm].

#### **CARRIER:**

- 1. Carrier bolt pattern "G" & "K" of the BC412 is not duplicated on the MXP32N cylinder. The tapped holes change from 1/4 -20 [M6 X 1.0] to #10-32 [M5 X 0.8].
- 2. Carrier length "L" increases by 0.097" [2.46 mm].
- 3. Distance from the center of the carrier to the back edge of the head "E" increases by 0.034" [0.86 mm].
- 4. Additional mounting holes "H" are available on the MXP32N.



### ORDERING

# **SAMPLE CROSSOVER CONFIGURATION:**

# DISCONTINUED BC412 NP SK5.000 FM2

Config. String: BC412 NP SK5.000 FM2

Bore Size: 1.25" [32 mm] Unit of measure: SK (inches)

Stroke length 5.000 in

FM: Foot mount for actuator mounting,

Quantity: 2

# **NEW**

#### **MXP32N NP SK5.000 FM2**

Config. String: MXP32N NP SK5.000 FM2

Bore Size: 1.25" [32 mm] Unit of measure: SK (inches) Stroke length 5.000 in

FM: Foot mount for actuator mounting,

Quantity: 2



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