

1-800-GRAINGER (472-4643)



## Stainless Steel-Body Air Cylinders

- Max. operating pressure: 250 psi (17.23 bar)
  - Operating temp. range: -10° to 165°F
- Can tolerate moisture and many types of lubricants and solvents. For use where magnetic sensing piston is not required. Interchangeable with Bimba, Parker, SMC, Norgren, and other major manufacturers' cylinders.

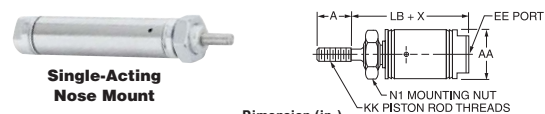
Note: 6"-stroke models also available on Grainger.com.

| Bore Dia.        | Stroke   | Single Acting Nose Mount Item No. | Double Acting Pivot Mount Item No. | Double Acting Nose Mount Item No. | Single Acting Pivot Mount Item No. | Double Acting Double End Mount Item No. |
|------------------|----------|-----------------------------------|------------------------------------|-----------------------------------|------------------------------------|---|
| <b>Cylinders</b> |          |                                   |                                    |                                   |                                    |   |
| 5/16 in          | 1 in     | 6CPY9                             | —                                  | 6CPV3                             | 6CPZ8                              | 6CZW9                                   |
|                  | 2 in     | 6CPZ0                             | —                                  | 6CPV4                             | 6CPZ9                              | 6CZX0                                   |
|                  | 3 in     | 6CPZ1                             | —                                  | 6CPV5                             | 6CRA0                              | 6CZX1                                   |
|                  | 4 in     | —                                 | —                                  | 6CPV6                             | —                                  | 6CZX2                                   |
| 3/8 in           | 1 in     | 5ZEG7                             | 5ZED0                              | 5MMF5                             | 5ZEK8                              | —                                       |
|                  | 2 in     | 5ZEG9                             | 5ZED1                              | 5MMF6                             | 5ZEK9                              | 6CZX3                                   |
|                  | 1 1/2 in | 5ZEH0                             | 5ZED2                              | 5MMF7                             | 5ZEL0                              | —                                       |
|                  | 2 in     | 5ZEH1                             | 5ZED3                              | 5MMF8                             | 5ZEL1                              | 6CZX4                                   |
| 1/2 in           | 3 in     | 5ZEH2                             | 5ZED4                              | 5MMF9                             | 5ZEL2                              | 6CZX5                                   |
|                  | 4 in     | 5ZEH3                             | 5ZED5                              | 5MMG0                             | 5ZEL3                              | 6CZX6                                   |
|                  | 5 in     | 5ZEH4                             | 5ZED6                              | 5MMG1                             | 5ZEL4                              | 6CZX7                                   |
|                  | 1/2 in   | 5ZEH6                             | —                                  | 5MMG8                             | 5ZEL5                              | 5MMA8                                   |
| 5/8 in           | 1 in     | 5ZEH7                             | 6CPX7                              | 5MMG9                             | 5ZEL6                              | 5MMA9                                   |
|                  | 1 1/2 in | 5ZEH8                             | —                                  | 5MMF0                             | 5ZEL7                              | 5MMC0                                   |
|                  | 2 in     | 5ZEH9                             | 6CPX8                              | 5MMF1                             | 5ZEL8                              | 5MMC1                                   |
|                  | 3 in     | 5ZEJ0                             | 6CPX9                              | 5MMF2                             | 5ZEL9                              | 5MMC2                                   |
| 3/4 in           | 4 in     | 5ZEJ1                             | 6CPY0                              | 5MMF3                             | 5ZEN0                              | 5MMC3                                   |
|                  | 5 in     | 5ZEJ2                             | 6CPY1                              | 5MMF4                             | —                                  | 6CZY9                                   |
|                  | 1 in     | 5ZEJ3                             | 5ZED7                              | 5MMG3                             | 5ZEN1                              | 5MMC4                                   |
|                  | 2 in     | 5ZEJ4                             | 5ZED8                              | 5MMG4                             | 5ZEN2                              | 5MMC5                                   |
| 7/8 in           | 3 in     | 5ZEJ5                             | 5ZED9                              | 5MMG5                             | 5ZEN3                              | 5MMC6                                   |
|                  | 4 in     | —                                 | 5ZEE0                              | 5MMG6                             | —                                  | 5MMC7                                   |
|                  | 5 in     | —                                 | 5ZEE1                              | 5MMG7                             | —                                  | 5MMC8                                   |
|                  | 1 in     | 6CPZ2                             | —                                  | 6CPV8                             | 6CRA1                              | 6CZY1                                   |
| 1 1/8 in         | 2 in     | 6CPZ3                             | —                                  | 6CPV9                             | 6CRA2                              | 6CZY2                                   |
|                  | 3 in     | 6CPZ4                             | —                                  | 6CPW0                             | 6CRA3                              | 6CZY3                                   |
|                  | 4 in     | —                                 | —                                  | 6CPW1                             | —                                  | 6CZY4                                   |
|                  | 5 in     | —                                 | —                                  | 6CPW2                             | —                                  | 6CZY5                                   |
| 1 1/4 in         | 1 in     | 5ZEJ6                             | 5ZEE3                              | 5MMG9                             | 5ZEN4                              | 5MMD0                                   |
|                  | 2 in     | 5ZEJ7                             | 5ZEE4                              | 5MMH0                             | 5ZEN5                              | 5MMD1                                   |
|                  | 3 in     | 5ZEJ8                             | 5ZEE5                              | 5MMH1                             | 5ZEN6                              | 5MMD2                                   |
|                  | 4 in     | —                                 | 5ZEE6                              | 5MMH2                             | —                                  | 5MMD3                                   |
| 1 1/2 in         | 5 in     | —                                 | 5ZEE7                              | 5MMH3                             | —                                  | 5MMD4                                   |
|                  | 1 in     | 5ZEJ9                             | 5ZEE9                              | 5MMH5                             | 6CRA4                              | 6CZY7                                   |
|                  | 2 in     | 5ZEK0                             | 5ZEF0                              | 5ZD27                             | 6CRA5                              | 6CZY8                                   |
|                  | 3 in     | 5ZEK1                             | 5ZEF1                              | 5ZD28                             | 6CRA6                              | 6CZY9                                   |
| 1 3/4 in         | 4 in     | —                                 | 5ZEF2                              | 5ZD29                             | —                                  | 6CZZ0                                   |
|                  | 5 in     | 5ZEA0                             | 5ZEF3                              | —                                 | —                                  | 6CZZ1                                   |
|                  | 1 in     | 5ZEK2                             | 5ZEF5                              | 5ZEA2                             | 5ZEN7                              | 5MMD6                                   |
|                  | 2 in     | 5ZEK3                             | 5ZEF6                              | 5ZEA3                             | 5ZEN8                              | 5MMD7                                   |
| 2 in             | 3 in     | 5ZEK4                             | 5ZEF7                              | 5ZEA4                             | 5ZEN9                              | 5MMD8                                   |
|                  | 4 in     | —                                 | 5ZEF8                              | 5ZEA5                             | —                                  | 5MMD9                                   |
|                  | 5 in     | —                                 | 5ZEF9                              | 5ZEA6                             | —                                  | 5MME0                                   |
|                  | 1 in     | 6CPZ5                             | —                                  | 6CPW4                             | 6CRA7                              | 6CZZ3                                   |
| 2 1/2 in         | 2 in     | 6CPZ6                             | —                                  | 6CPW5                             | 6CRA8                              | 6CZZ4                                   |
|                  | 3 in     | 6CPZ7                             | —                                  | 6CPW6                             | 6CRA9                              | 6CZZ5                                   |
|                  | 4 in     | —                                 | —                                  | 6CPW7                             | —                                  | 6CZZ6                                   |
|                  | 5 in     | —                                 | —                                  | 6CPW8                             | —                                  | 6CZZ7                                   |
| 3 in             | 1 in     | 5ZEK5                             | 5ZEG1                              | 5ZEA8                             | —                                  | 6CZZ9                                   |
|                  | 2 in     | 5ZEK6                             | 5ZEG2                              | 5ZEA9                             | —                                  | 6DA00                                   |
|                  | 3 in     | 5ZEK7                             | 5ZEG3                              | 5ZEC0                             | —                                  | 6DA01                                   |
|                  | 4 in     | —                                 | 5ZEG4                              | 5ZEC1                             | —                                  | 6DA02                                   |
| 3 1/2 in         | 5 in     | 6CRC1                             | 5ZEG5                              | 5ZEC2                             | —                                  | 6DA03                                   |
|                  | 1 in     | —                                 | —                                  | 5ZEC4                             | —                                  | 5MME2                                   |
|                  | 2 in     | —                                 | —                                  | 5ZEC5                             | —                                  | 5MME3                                   |
|                  | 3 in     | —                                 | —                                  | 5ZEC6                             | —                                  | 5MME4                                   |
| 4 in             | 4 in     | —                                 | —                                  | 5ZEC7                             | —                                  | 6CPY6                                   |
|                  | 5 in     | —                                 | —                                  | 5ZEC8                             | —                                  | 6CPY7                                   |
|                  | 1 in     | —                                 | —                                  | 6CPX0                             | —                                  | 6DA05                                   |
|                  | 2 in     | —                                 | —                                  | 6CPX1                             | —                                  | 6DA06                                   |
| 5 in             | 3 in     | —                                 | —                                  | 6CPX2                             | —                                  | 6DA07                                   |
|                  | 4 in     | —                                 | —                                  | 6CPX3                             | —                                  | 6DA08                                   |
|                  | 5 in     | —                                 | —                                  | 6CPX4                             | —                                  | 6DA09                                   |

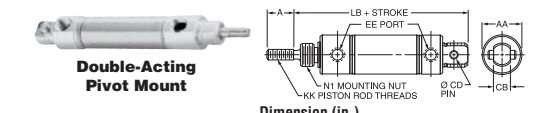
| Mount Type                        | Fits                                    | Item No. |
|-----------------------------------|---|----------|
| <b>Cylinder Mounting Hardware</b> |   |          |
| Foot Bracket                      | 5/16 in Bore, 3/16 in Bore              | 5VKW6    |
|                                   | 3/4 in Bore                             | 5VKW5    |
|                                   | 1 1/8 in Bore, 3/4 in Bore, 1/2 in Bore | 5VKW8    |
|                                   | 1 1/2 in Bore, 1 1/4 in Bore            | 5VKW1    |
| Pivot Bracket                     | 2 in Bore                               | 5VKV5    |
|                                   | 5/16 in Bore                            | 5VKW7    |
|                                   | 7/16 in, 9/16 in                        | 5VKW9    |
|                                   | 1 1/8 in Bore, 3/4 in Bore, 1/2 in Bore | 5VKV9    |
| Rod Clevis                        | 5VKW3                                   | 5VKW3    |
|                                   | 2 in, 2 1/2 in                          | 5VKV6    |
|                                   | 5/16 in Bore, 3/16 in Bore              | 5VKW8    |
|                                   | 3/4 in Bore, 1/2 in Bore                | 5VKW0    |
| Rod Clevis                        | 1 1/8 in Bore                           | 5VKW2    |
|                                   | 1 1/2 in Bore, 1 1/4 in Bore            | 5VKW4    |
|                                   | 1 3/4 in Bore, 2 in Bore, 2 1/2 in Bore | 5VKV7    |

### SPECIFICATION TABLES

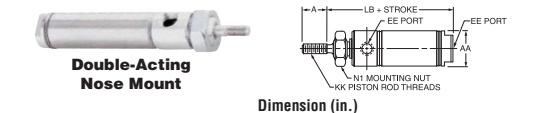
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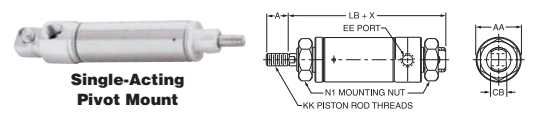
| Bore                            | A    | AA   | EE       | KK          | N1       | LB   | (X) Additional Length when Single Acting                          |
|---------------------------------|------|------|----------|-------------|----------|------|---|
| <b>Single-Acting Nose Mount</b> |      |      |          |             |          |      |   |
| 5/16"                           | 0.38 | 0.36 | 10-32    | #5-40 UNC   | 1/4-28   | 1.12 | 0.75" per 1/2" Stroke   |
| 7/16"                           | 0.5  | 0.5  | 10-32    | #10-32 UNF  | 3/8-24   | 1.31 | 0.94" per 1/2" Stroke   |
| 9/16"                           | 0.5  | 0.62 | 10-32    | #10-32 UNF  | 1/2-20   | 1.53 | 1.62" per 1" Stroke   |
| 3/4"                            | 0.5  | 0.81 | 1/8 NPTF | 1/4-28 UNF  | 1/2-20   | 1.5  | 1.69" per 1" Stroke   |
| 7/8"                            | 0.5  | 0.93 | 1/8 NPTF | 1/4-28 UNF  | 5/8-18   | 1.84 | 1.56" per 1" Stroke   |
| 1 1/16"                         | 0.5  | 1.12 | 1/8 NPTF | 5/16-24 UNF | 5/8-18   | 2.06 | 1.56" per 1" Stroke   |
| 1 1/4"                          | 0.75 | 1.34 | 1/8 NPTF | 7/16-20 UNF | 3/4-16   | 2.66 | 1.81" per 1" Stroke   |
| 1 1/2"                          | 0.75 | 1.56 | 1/8 NPTF | 7/16-20 UNF | 3/4-16   | 2.44 | 1.69" per 1" Stroke   |
| 1 3/4"                          | 0.88 | 1.84 | 1/4 NPTF | 1/2-20 UNF  | 1-14     | 2.97 | 2.00" per 1" Stroke   |
| 2"                              | 0.88 | 2.08 | 1/4 NPTF | 1/2-20 UNF  | 1 1/4-12 | —    | 5.41" For 1" Stroke<br>7.41" For 2" Stroke<br>8.66" For 3" Stroke |



| Bore                             | A    | EE       | KK          | LB   | N1       | AA   | CB   | CD    |
|----------------------------------|------|----------|-------------|------|----------|------|------|-------|
| <b>Double-Acting Pivot Mount</b> |      |          |             |      |          |      |      |       |
| 7/16"                            | 0.5  | 10-32    | #10-32 UNF  | 2.81 | 7/16-20  | 0.74 | 0.31 | 0.157 |
| 9/16"                            | 0.5  | 10-32    | #10-32 UNF  | 2.75 | 7/16-20  | 0.62 | 0.31 | 0.157 |
| 3/4"                             | 0.5  | 1/8 NPTF | 1/4-28 UNF  | 4.03 | 5/8-18   | 0.86 | 0.38 | 0.251 |
| 1-1/16"                          | 0.5  | 1/8 NPTF | 5/16-24 UNF | 4.12 | 5/8-18   | 1.12 | 0.38 | 0.251 |
| 1-1/4"                           | 0.75 | 1/8 NPTF | 7/16-20 UNF | 5.12 | 3/4-16   | 1.34 | 0.5  | 0.251 |
| 1-1/2"                           | 0.75 | 1/8 NPTF | 7/16-20 UNF | 4.75 | 3/4-16   | 1.56 | 0.62 | 0.376 |
| 2"                               | 0.88 | 1/4 NPTF | 1/2-20 UNF  | 6.06 | 1-1/4-12 | 2.08 | 0.75 | 0.376 |



| Bore                            | A    | AA   | EE       | KK          | LB   | N1       |
|---------------------------------|------|------|----------|-------------|------|----------|
| <b>Double-Acting Nose Mount</b> |      |      |          |             |      |          |
| 5/16"                           | 0.38 | 0.5  | 10-32    | #5-40 UNC   | 1.64 | 3/8-24   |
| 7/16"                           | 0.5  | 0.74 | 10-32    | #10-32 UNF  | 2.12 | 7/16-20  |
| 9/16"                           | 0.5  | 0.62 | 10-32    | #10-32 UNF  | 2.28 | 7/16-20  |
| 3/4"                            | 0.5  | 0.86 | 1/8 NPTF | 1/4-28 UNF  | 2.97 | 5/8-18   |
| 7/8"                            | 0.5  | 0.93 | 1/8 NPTF | 1/4-28 UNF  | 2.94 | 5/8-18   |
| 1-1/16"                         | 0.5  | 1.12 | 1/8 NPTF | 5/16-24 UNF | 3.25 | 5/8-18   |
| 1-1/4"                          | 0.75 | 1.34 | 1/8 NPTF | 7/16-20 UNF | 4    | 3/4-16   |
| 1-1/2"                          | 0.75 | 1.56 | 1/8 NPTF | 7/16-20 UNF | 3.69 | 3/4-16   |
| 1-3/4"                          | 0.88 | 1.84 | 1/4 NPTF | 1/2-20 UNF  | 4.69 | 1-14     |
| 2"                              | 0.88 | 2.08 | 1/4 NPTF | 1/2-20 UNF  | 4.69 | 1-1/4-12 |
| 2-1/2"                          | 0.88 | 2.62 | 1/4 NPTF | 1/2-20 UNF  | 4.69 | 1-3/8-12 |
| 3"                              | 1.25 | 3.16 | 3/8 NPTF | 5/8-18 UNF  | 5.25 | 1-1/2-12 |



| Bore                                  | A    | AA   | CB   | EE       | KK          | N1      | LB   | (X) Additional Length when Single Acting |
|---------------------------------------|------|------|------|----------|-------------|---------|------|--|
| <b>Single-Acting Double End Mount</b> |      |      |      |          |             |         |      |  |
| 5/16"                                 | 0.38 | 0.39 | 0.25 | 10-32    | #5-40 UNC   | 3/8-24  | 1.68 | 0.75" per 1" Stroke                      |
| 7/16"                                 | 0.5  | 0.74 | 0.31 | 10-32    | #10-32 UNF  | 3/8-24  | 2    | 0.94" per 1" Stroke                      |
| 9/16"                                 | 0.5  | 0.62 | 0.31 | 10-32    | #10-32 UNF  | 7/16-20 | 2    | 1.62" per 1" Stroke                      |
| 3/4"                                  | 0.5  | 0.86 | 0.38 | 1/8 NPTF | 1/4-28 UNF  | 1/2-20  | 2.56 | 1.69" per 1" Stroke                      |
| 7/8"                                  | 0.5  | 0.93 | 0.38 | 1/8 NPTF | 1/4-28 UNF  | 5/8-18  | 2.75 | 1.56" per 1" Stroke                      |
| 1-1/16"                               | 0.5  | 1.12 | 0.38 | 1/8 NPTF | 5/16-24 UNF | 5/8-18  | 2.94 | 1.56" per 1" Stroke                      |
| 1-1/4"                                | 0.75 | 1.34 | 0.5  | 1/8 NPTF | 7/16-20 UNF | 3/4-16  | 3.78 | 1.81" per 1" Stroke                      |
| 1-1/2"                                | 0.75 | 1.56 | 0.62 | 1/8 NPTF | 7/16-20 UNF | 3/4-16  | 3.5  | 1.81" per 1" Stroke                      |
| 1-3/4"                                | 0.88 | 1.84 | 0.62 | 1/4 NPTF | 1/2-20 UNF  | 1-14    | 4.53 | 2.00" per 1" Stroke                      |



| Bore                            | A    | AA   | EE       | KK          | LB   | N1       |
|---------------------------------|------|------|----------|-------------|------|----------|
| <b>Double-Acting Double End</b> |      |      |          |             |      |          |
| 5/16"                           | 0.38 | 0.5  | 10-32    | #5-40 UNC   | 2.19 | 3/8-24   |
| 7/16"                           | 0.5  | 0.74 | 10-32    | #10-32 UNF  | 2.81 | 7/16-20  |
| 9/16"                           | 0.5  | 0.62 | 10-32    | #10-32 UNF  | 2.75 | 7/16-20  |
| 3/4"                            | 0.5  | 0.86 | 1/8 NPTF | 1/4-28 UNF  | 4.03 | 5/8-18   |
| 7/8"                            | 0.5  | 0.93 | 1/8 NPTF | 1/4-28 UNF  | 3.84 | 5/8-18   |
| 1-1/16"                         | 0.5  | 1.12 | 1/8 NPTF | 5/16-24 UNF | 4.12 | 5/8-18   |
| 1-1/4"                          | 0.75 | 1.34 | 1/8 NPTF | 7/16-20 UNF | 5.12 | 3/4-16   |
| 1-1/2"                          | 0.75 | 1.56 | 1/8 NPTF | 7/16-20 UNF | 4.75 | 3/4-16   |
| 1-3/4"                          | 0.88 | 1.84 | 1/4 NPTF | 1/2-20 UNF  | 6.25 | 1-14     |
| 2"                              | 0.88 | 2.08 | 1/4 NPTF | 1/2-20 UNF  | 6.06 | 1-1/4-12 |
| 2-1/2"                          | 0.88 | 2.62 | 1/4 NPTF | 1/2-20 UNF  | 6.06 | 1-3/8-12 |
| 3"                              | 1.25 | 3.16 | 3/8 NPTF | 5/8-18 UNF  | 7.12 | 1-1/2-12 |