

# GROVE MASTER BRAKE CYLINDERS



Clevis End—3/16" hole, 1/4" wide slot



Eye Bolt End—3/16" hole, 1/2" head diameter



Eye Bolt End - 3/16" hole, 3/8" head diameter

These master cylinders are the perfect choice for all Grove brake systems as well as use with other major brands that require a high pressure master cylinder. Consider the following when selecting the proper master cylinder for your aircraft:

1. The style (with or without integral reservoir, etc.)
2. The pin-to-pin length—this is the length between the upper and lower attach holes.
3. The attach type for the upper end (clevis, or eye bolt)
4. The attach type for the lower end (cross drilled, slotted, etc.)



Cross Drilled - 3/16" holes inline with fitting and also 90° to fitting



90° Offset - 3/16" hole drilled 90° to fitting. Tab is inline with fitting.



Inline -3/16" hole drilled inline with fitting. Tab is offset 90° to fitting



Slotted -0.090" slot inline with fitting. 3/16" hole drilled 90° to fitting.



Right Offset Tab 3/16" hole drilled 90° to fitting



Left Offset Tab 3/16" hole drilled 90° to fitting

## REMOTE BRAKE FLUID RESERVOIRS

Quality machined from 6061 billet. Top is retained by snap ring with O-ring seal. Supplied with vented 1/8" NPT cap plug. Anodized for corrosion resistance.

2.75" high 1.75" diameter. Holds 2.42 fluid ozs. Weighs 3.6 ounces.

Designed to attach to firewall or other remote location. Adequate capacity to serve both master cylinders. Outlet has 1/8" female NPT thread at bottom of reservoir.

067-054 ..... P/N 06-00819..... --- P/N 06-00818 ..... ---

Normal installation requires two (one for each master cylinder.) Supplied with 1/8" NPT fitting. Attaches directly to your master cylinder.

1.98" high; 1.38" diameter Holds 1.10 fluid ounces Weighs 1.5 ounces. 067-050



| Grove P/N | Our Part No. | Pin-to-Pin Length | Upper Attachment | Lower Attachment | Weight  | Price |
|-----------|--------------|-------------------|------------------|------------------|---------|-------|
| 670-1     | 06-00594     | 7.5"              | Clevis           | Inline           | 5.9 oz. | ---   |
| 670-2     | 06-00866     | 8.0"              | Clevis           | Inline           | 6.2 oz. | ---   |
| 670-3     | 06-00104     | 7.5"              | Clevis           | 90° Offset       | 5.9 oz. | ---   |
| 670-4     | 06-00869     | 8.0"              | Clevis           | 90° Offset       | 6.2 oz. | ---   |
| 670-8     | 06-01286     | 7.25"             | Clevis           | 90° Offset       | 5.9 oz. | ---   |
| 670-13    | 06-00871     | 8.0"              | 3/8" Eye Bolt    | 90° Offset       | 6.2 oz. | ---   |
| 670-14    | 06-00872     | 8.0"              | 3/8" Eye Bolt    | Inline           | 6.2 oz. | ---   |
| 670-15    | 06-00596     | 8.0"              | 1/2" Eye Bolt    | 90° Offset       | 6.2 oz. | ---   |
| 670-16    | 06-00873     | 7.5"              | 1/2" Eye Bolt    | 90° Offset       | 5.9 oz. | ---   |
| 670-17    | 06-00597     | 8.0"              | 1/2" Eye Bolt    | Inline           | 6.2 oz. | ---   |
| 670-18    | 06-00875     | 7.5"              | 1/2" Eye Bolt    | Inline           | 5.9 oz. | ---   |
| 670-19    | 06-00877     | 7.5"              | 3/8" Eye Bolt    | 90° Offset       | 5.9 oz. | ---   |
| 670-20    | 06-00878     | 7.5"              | 3/8" Eye Bolt    | Inline           | 5.9 oz. | ---   |

| Grove P/N | Our Part No. | Pin-to-Pin Length | Upper Attachment | Lower Attachment | Weight  | Price |
|-----------|--------------|-------------------|------------------|------------------|---------|-------|
| 671-20    | 06-00880     | 7.5"              | 1/2" Eye Bolt    | Cross Drilled    | 5.9 oz. | ---   |
| 671-21    | 06-00882     | 7.5"              | 3/8" Eye Bolt    | Cross Drilled    | 5.9 oz. | ---   |
| 671-22    | 06-00884     | 8.0"              | 1/2" Eye Bolt    | Cross Drilled    | 6.2 oz. | ---   |
| 671-23    | 06-00887     | 8.0"              | 3/8" Eye Bolt    | Cross Drilled    | 6.2 oz. | ---   |

| Grove P/N | Our Part No. | Pin-to-Pin Length | Upper Attachment | Lower Attachment | Weight  | Price |
|-----------|--------------|-------------------|------------------|------------------|---------|-------|
| 672-1     | 06-00889     | 5.0"              | Clevis           | Cross Drilled    | 4.0 oz. | ---   |
| 672-2     | 06-00891     | 5.5"              | Clevis           | Cross Drilled    | 4.2 oz. | ---   |
| 672-3     | 06-00893     | 6.0"              | Clevis           | Cross Drilled    | 4.5 oz. | ---   |

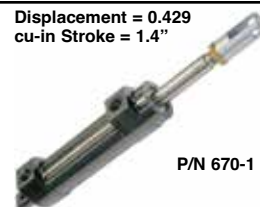
| Grove P/N | Our Part No. | Pin-to-Pin Length | Upper Attachment | Lower Attachment | Weight  | Price |
|-----------|--------------|-------------------|------------------|------------------|---------|-------|
| 673-9     | 06-00895     | 7.5"              | Clevis           | Cross Drilled    | 5.9 oz. | ---   |
| 673-10    | 06-00896     | 8.0"              | Clevis           | Cross Drilled    | 6.2 oz. | ---   |
| 673-11    | 06-00897     | 7.5"              | 1/2" Eye Bolt    | Left Offset      | 5.9 oz. | ---   |
| 673-12    | 06-00898     | 7.5"              | 1/2" Eye Bolt    | Right Offset     | 5.9 oz. | ---   |
| 673-13    | 06-00899     | 7.5"              | 1/2" Eye Bolt    | Slotted 90°      | 5.9 oz. | ---   |
| 673-14    | 06-00901     | 7.5"              | 1/2" Eye Bolt    | Slotted Inline   | 5.9 oz. | ---   |

| Grove P/N | Our Part No. | Pin-to-Pin Length | Upper Attachment | Lower Attachment | Weight  | Price |
|-----------|--------------|-------------------|------------------|------------------|---------|-------|
| 674-1     | 06-00902     | 7.5"              | Clevis           | Cross Drilled    | 5.0 oz. | ---   |
| 674-2     | 06-00903     | 8.0"              | Clevis           | Cross Drilled    | 5.0 oz. | ---   |
| 674-3     | 06-00904     | 7.0"              | Clevis           | Cross Drilled    | 5.0 oz. | ---   |

| Grove P/N | Our Part No. | Pin-to-Pin Length | Upper Attachment | Lower Attachment | Weight  | Price |
|-----------|--------------|-------------------|------------------|------------------|---------|-------|
| 675-1     | 06-00097     | 8.0"              | Clevis           | Inline           | 8.1 oz. | ---   |
| 675-2     | 06-00905     | 7.5"              | Clevis           | Inline           | 7.9 oz. | ---   |
| 675-3     | 06-00593     | 8.0"              | Clevis           | 90° Offset       | 8.1 oz. | ---   |
| 675-4     | 06-00906     | 7.5"              | Clevis           | 90° Offset       | 7.9 oz. | ---   |

| Grove P/N | Our Part No. | Pin-to-Pin Length | Upper Attachment | Lower Attachment | Weight  | Price |
|-----------|--------------|-------------------|------------------|------------------|---------|-------|
| 676-1     | 06-00907     | 8.0"              | Clevis           | Inline           | 9.3 oz. | ---   |
| 676-2     | 06-00908     | 7.5"              | Clevis           | Inline           | 9.0 oz. | ---   |
| 676-3     | 06-00909     | 8.0"              | Clevis           | 90° Offset       | 9.3 oz. | ---   |
| 676-4     | 06-00910     | 7.5"              | Clevis           | 90° Offset       | 9.0 oz. | ---   |

All master cylinders have a 5/8" bore, 1/8" NPT outlets, are rated at 1,000 psi for use with MIL-H-5606 hydraulic fluid.



P/N 670-1



P/N 671-21



P/N 672-1



P/N 673-9



P/N 674-1



Reservoir Volume 2.0 cu-in P/N 675-1



Reservoir Volume 3.05 cu-in P/N 676-1