

# BRAKES – MASTER BRAKE CYLINDERS



## BERINGER BRAKE PADS

Friction material: sintered metal. High coefficient of friction, very long life time, no fading till very high temperatures: 1100° F  
Includes: 2 brake pads (for 1 brake caliper), bolts and procedure

OEM Brake pads for Beringer 2 pistons caliper . P/N 06-01103 .....  
OEM Brake pads for Beringer 3 pistons caliper . P/N 06-01104 .....  
Parking Brake Valve Mineral-Based Fluid ..... P/N 06-01108.....



## BERINGER STAINLESS STEEL BRAKE DISCS

Stainless steel, with precision heat treatment and grinding. Floating mount, in order to absorb dilata-tions and deformations when heated.

For 3 piston Brake caliper (thickness: 0.22") ..... P/N 06-01117 .....  
For 2 piston Brake caliper (thickness: 0.165") ..... P/N 06-01118 .....  
For 2 piston Brake caliper (thickness: 0.126") ..... P/N 06-01119 .....

## BERINGER BRAKE LINES FOR RV'S



Brake hose is stainless steel braided with PTFE inner tube and stainless steel fittings. It provides consistent brake pedal pressure without spongy feeling. The flexibility allows landing gear leg movements and avoids leakage that appears with hardline tube. These brake lines connect brake calipers to fuselage connectors. Each brake line is pressure tested and delivered with certificate. Includes: set of 2 brake lines, certificate

Set of 2 Brake lines for RV6, 7, 9 ..... P/N 06-01122 .....  
Set of 2 Brake lines for RV6A, 7A, 9A ..... P/N 06-01123 .....

## BERINGER WHEEL O-RINGS



Repair kits are available for the following BERINGER® parts: Hand master cylinder, Rudder pedal master cylinder, 2 and 3 piston brake caliper.

Includes all wear parts: pistons, seals, screws, grease, re- pair procedure.

Description	Part No.	Price
Repair kit for rudder pedal master cylinder HBA01: all piston seals, specific grease, ball bearings, copper seals, instructions	06-01114	.
Repair kit for 2 piston caliper : piston seals, pis- tons, specific grease, copper washer	06-01115	.
Repair kit for 3 piston caliper : piston seals, pis- tons, specific grease, copper washer	06-01116	.

## CLEVELAND MASTER BRAKE CYLINDERS



**MODEL 10-35** - This model has a built-in reservoir and is used in production aircraft. Cast aluminum construction. 5/8" bore, 1.2" stroke, 0.36 cu. in. displacement. Outlet 1/8"

NPT. Pin center length 8". Designed to mount on rudder pedal. Formerly Gerdes Model A-049 ..... P/N 10-35 .....  
Model 10-35 O-Ring Kit ..... P/N 199-513 .....



**MODEL 10-20** - Spring-loaded piston type assembly

without reservoir. Simple design assures long troublefree service. Pin center length 7-1/2". Bore 9/16". Stroke 1.25". Weight: 10 oz. Used on Pitts Special, Acro-Sport and other homebuilts. P/N 10-20 .....  
Model 10-20 & 10-19 O-ring kit ..... P/N 06-10600 .....



**MODEL 10-19** - Used on Pitts and other homebuilts. Similar to Model 10-20 except with ports aligned differently ..... P/N 10-19 .....

Model 10-20 & 10-19 O-ring kit ..... P/N 06-10600 .....



### MODEL 10-5 -

Same type construction as Model 10-20. Model 10-5 has parking brake feature, Model 10-5B does not. 1/8" NPT ports, on opposite sides of cylinder, have AN823-4D

fittings for use with 1/4" brake line. Pin center length 8". Wt. 9.5 oz. Bore 0.562". Stroke 1.25". Used on Piper PA25 & homebuilts.

Master Cylinder Number 10-5 ..... P/N 10-5 .....  
Master Cylinder Number 10-5B ..... P/N 10-5B .....  
Model 10-5B O-Ring kit (199-503) ..... P/N 06-00708 .....  
Model 10-5 O-Ring kit (199-502) ..... P/N 06-10700 .....

## MATCO MASTER BRAKE CYLINDERS

### MC-5 VERTICAL



The MC-5 master cylinder is a verti- cally mounted cylinder with a built in reservoir. The MC-5 is used indi- vidualy or in a dual brake application in which it acts as a remote reservoir for the MC-4 or MC-4A master cylin- der under the copilot pedals

### MC-4 EXTERNAL RESERVOIR



which are connected in a series. The MC-5 master cylinder measures 8.00" from end to end and 7.500" from mounting hole to mounting hole. Overall width of the MC-5 at its widest point is a trim 1.78" and the mounting clevis features a .250 mounting slot. This master cylinder can be used in place of the Cleveland Part No. 10-35.

The MC-4 series can be mounted vertically or horizontally and uses a remote reservoir. The MC-4 is used for heel brakes as well as dual appli- cations in which it replaces the shuttle valve in the braking system when placed under the copilot pedals and connected in a series.

The MC-4 master cylinder measures 8.250 inches from end to end and 7.8 from mounting hole to mounting hole. The MC-4A master cylinder is 8.125" from end to end and 7.375" from mounting hole to mounting hole. Overall width of both master cylinders is 1.371 inches and the mounting clevis has a .250 mounting slot. The MC-4 & MC-5 have a 5/8" bore and piston and 1-1/2" of stroke or travel to provide additional fluid. The MC-4A also has a 5/8" bore and piston with a stroke of 1 inch. This master cylinder can be used in place of the Cleveland part number 10-20. Use MIL-H-5606 red hydraulic fluid.

**VERTICAL STYLE** - Cylinder for vertical mounting, with steel housing and reservoir.

MC-5 ..... P/N 06-11000 .....

MC-5A (0.50" shorter than the MC-5) ..... P/N 06-00375 .....

**UNIVERSAL** - Vertical or horizontal mounting with exterior reservoir.

MC-4A P/N 06-11100.....

MC-4 P/N 06-11150.....

\*Replacement O-Rings for Master cylinders

P/N 06-11200..... / ea



### MC-7 MASTER CYLINDER

The black anodized MC-6 is designed to attach to a 1" diameter control stick and function similar to a motorcycle brake. Designed for ultralight aircraft, it is completely self-adjustable as the lining wears and draws additional fluid from the cylinder. The 6:1 mechanical leverage

allows the average pilot to generate 1,500 psi in the system.

MC-7 P/N 06-00014.....

## HEGAR MASTER CYLINDERS



**5" SINGLE LEVER MASTER CYLINDER** - 5" single lever, foot operated. Designed for single braking. Comes in your choice of 1/2", 5/8" and 3/4" bore sizes.

P/N 06-01277 .....

**5" DUAL LEVER MASTER CYLINDER** - 5" dual lever, foot operated. De- signed for differential braking. Comes in your choice of 1/2", 5/8" and 3/4" bore sizes.

P/N 06-01278 .....

**7" SINGLE LEVER MASTER CYLINDER** - 7" single lever, hand operated. Designed for single braking. Comes in your choice of 1/2", 5/8" and 3/4" bore sizes.

P/N 06-01279 .....

**7" SINGLE LEVER MASTER CYLINDER** - 7" dual lever, hand operated. Designed for differential braking. Comes in your choice of 1/2", 5/8" and 3/4" bore sizes.

P/N 06-01280 .....

## CESSNA RUDDER PEDAL EXTENSIONS



P/N 06-00838

P/N 06-00839

P/N 06-00641

The Saircorp/Flight Boss Ltd S-RPE Series Rudder Pedal Extensions fit most high wing Cessna aircraft from 1953 to 2008. Refer to Application Chart or AML for proper selection. They're constructed from high quality cast aluminum, have a durable Powder Coat finish and use Stainless Steel fasteners. They are strong, durable and built to last. Installation and removal is quick and easy, the extensions lock in place over your existing rudder pedals giving you that extra needed reach. Your existing rudder pedals do not need to be removed or altered for installation or removal of the extensions. No more struggling or submarining to get that extra needed rudder deflection. Even "robust" and taller pilots can benefit from the S-RPE Series Rudder Pedal Extensions, allowing you to set back and get the yoke out of your chest. Easily installed, used right seat, left seat or both. See our website for a complete Application Chart or AML for proper selection.

EXT S-RPE-C - fits most 1960's to 1980's ..... P/N 06-00838 .....

EXT S-RPE-CN - fits most 1980's to 2000 and up P/N 06-00839 .....

EXT S-RPE-CO - fits most 1950's to 1960's .. P/N 06-00841 .....

LG