

# 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

- ZEA01 OEM Brake pads for Beringer 2 pistons caliper P/N 06-01103 ... **\$53.00**  
ZEA02 OEM Brake pads for Beringer 2 pistons caliper P/N 06-01484... **\$72.00**  
Parking Brake Valve Mineral-Based Fluid..... P/N 06-01108... **\$298.00**

## 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 ..... **\$198.00**  
Set of 2 Brake lines for RV6A, 7A, 9A ..... P/N 06-01123 ..... **\$198.00**

## BERINGER REPAIR / OVERHAUL KITS

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, repair 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	<b>\$137.95</b>
Repair kit for 2 piston caliper : piston seals, pistons, specific grease, copper washer	06-01115	<b>\$92.50</b>



## BERINGER HAND MASTER BRAKE CYLINDER FOR DOT4

Brings exceptional brake feeling, using the AERO-TEC® three ball bearing patented system, aluminum red anodized, fully CNC machined. Available ONLY for DOT4 brake fluid. Weight: 10oz. Works in all position. To mount on 0.86" (22mm) axle or directly on flat surface with 2 screws. DO NOT USE MINERAL 5606 FLUID

- Hand master brake cylinder for DOT4 built-in reservoir (red anodizing color) P/N 06-01485 ..... **\$387.95**  
Hand master brake cylinder for DOT4 built-in reservoir (red anodizing color) with parking brake pin P/N 06-01486 ..... **\$377.00**

## 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 ..... **\$563.00**

- Model 10-35 O-Ring Kit..... P/N 199-513 ..... **\$19.65**



**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 ..... **\$287.00**

- Model 10-20 & 10-19 O-ring kit..... P/N 06-10600 ..... **\$13.85**



**MODEL 10-19** - Used on Pitts and other homebuilts. Similar to Model 10-20 except with ports aligned differently..... P/N 10-19 ..... **\$668.00**

- Model 10-20 & 10-19 O-ring kit..... P/N 06-10600 ..... **\$13.85**



**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 ..... **\$2,537.00**  
Master Cylinder Number 10-5B ..... P/N 10-5B ..... **\$1,104.00**  
Model 10-5B O-Ring kit (199-503) ..... P/N 06-00708 ..... **\$34.50**  
Model 10-5 O-Ring kit (199-502)..... P/N 06-10700 ..... **\$34.90**

## MATCO MCMC-4 MASTER CYLINDER



MATCO mfg's MCMC-4 master cylinder uses a REMOTE reservoir. The MCMC-4 can be used in individual or dual brake applications. Buna-n orings are used in this assembly. Mil-H-5606 aircraft hydraulic fluid or compatible fluids are recommended. DOT5 may be used but not DOT5.1 which contains glycol. DOT3 and DOT4 may not be used and will cause immediate damage to the seals. The MCMC-4 master cylinder measures 8.05 +0.25 inches from end to end and 7.5 +0.25 inches from mounting hole to mounting hole. A 0.625 inch diameter piston is used. Available stroke is approximately 1.388 inches and displacement is 0.43 cubic inches. The ports on all MATCO mfg master cylinders are 1/8 inch NPT (except the MC-4E). The MC-4 has an adjustable clevis.

**UNIVERSAL** - Vertical or horizontal mounting with exterior reservoir.  
MC-4 ..... P/N 06-11150 ..... **\$94.75**  
MC-4A (0.50" shorter than the MC-4) ..... P/N 06-11100 ..... **\$99.90**  
Replacement O-Rings for Master cylinders ... P/N 06-11200... **\$0.71/ ea**

## MATCO MCMC-5 MASTER CYLINDER



MATCO mfg's MCMC-5 master cylinder uses a INTERNAL reservoir. The MCMC-5 can be used in individual or dual brake applications. Buna-n orings are used in this assembly. Mil-H-5606 aircraft hydraulic fluid or compatible fluids are recommended. DOT5 may be used but not DOT5.1 which contains glycol. DOT3 and DOT4 may not be used and will cause immediate damage to the seals. The MCMC-5 master cylinder measures 8.25 inches from end to end and 7.7 inches from mounting hole to mounting hole. A 0.625 inch diameter piston is used. Available stroke is approximately 1.388 inches and displacement is 0.43 cubic inches. The ports on all MATCO mfg master cylinders are 1/8 inch NPT (except the MC-4E). The MC-5 has an adjustable clevis. The MC-5 can not be used in series with a second MC-5 or MC-5A

**VERTICAL STYLE** - Cylinder for vertical mounting, with steel housing and reservoir. MC-5 ..... P/N 06-11000 ..... **\$99.99**  
MC-5A (0.50" shorter than the MC-5) ..... P/N 06-00375 ..... **\$107.50**

**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. P/N 06-00014..... **\$159.85**



## MASTER CYLINDER O-RING KIT

O-Ring Kit is for use with 5/8" bore cylinders in the 670, 671, 672, 673, and 674 Series  
For use with MIL-H-5606 fluid only

- O-Ring kit contains 1 ea of the following O-Rings :  
Spruce PN: AN6227B-3 (MS28775-008)  
Spruce PN: AN6227B-7 (MS28775-012)  
Spruce PN: AN6227B-9 (MS28775-111)  
Spruce PN: AN6227B-10 (MS28775-112)  
O-Ring Kit ..... P/N 06-00805 ..... **\$3.75**

## HEGAR MASTER CYLINDERS



**5" SINGLE LEVER MASTER CYLINDER** - 5" single lever, foot operated. Designed for single braking.  
1/2" Bore ..... P/N 06-01277 ..... **\$89.75**  
5/8" Bore ..... P/N 06-01671 ..... **\$89.75**

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

- 1/2" ..... P/N 06-01278 ..... **\$136.95**  
5/8" ..... P/N 06-01611 ..... **\$189.50**  
3/4" ..... P/N 06-01612 ..... **\$189.50**

**7" SINGLE LEVER MASTER CYLINDER** - 7" single lever, hand operated. Designed for single braking. Comes in your choice of 1/2", and 5/8" bore sizes. P/N 06-01279 ..... **\$89.75**

**7" DUAL 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 ..... **\$136.95**



## MASTER CYLINDER PLUG

Master cylinder plug 1/8" NPT for Black Max. P/N 06-01028 ..... **\$0.60**

LG