

CLEVELAND WHEELS & BRAKES



CLEVELAND WHEELS & BRAKES FOR HOMEBUILTS

Wheels with matching hydraulic disc brakes are made from magnesium alloy castings to give a lightweight, durable unit. Wheels complete with bearings and wheel covers. Brake assembly has linings installed. Sold in pairs only.

500 x 5, Wt. 5.75 Lbs. Each (Wheel P/N 40-78B, Brake P/N 30-9)
 Kit P/N 199-102 (Std. Disc)..... /Pr
 Kit P/N 199-102C (Chrome Disc)..... /Pr
 Use Lining P/N 66-106. Fits 1-1/4" dia. axles.

600 x 6, Wt. 7-3/4 Lbs. Each (Wheel P/N 40-59A, Brake P/N 30-59A)
 Kit P/N 199-104 (Std. Disc)..... /Pr
 Kit P/N 199-104C (Chrome Disc)..... /Pr
 Use Lining P/N 66-112. Fits 1-1/2" dia. axles.

600 x 6, with Master Cylinders for Defiant
 Special set consists of (2) P/N 40-75B wheels, (2) P/N 30-52 brake assemblies and (2) P/N 10-34 master cylinders.
 P/N 199-133X

500 x 5 NOSE WHEEL - Magnesium, with bearings.
 For 1-1/4" dia. axle..... P/N 40-77C

600 x 6 NOSE WHEEL - Anodized aluminum, with bearings.
 For 1-1/2" dia. axle..... P/N 40-56



HEAVY-DUTY CLEVELAND WHEELS & BRAKES FOR HOMEBUILTS

The heavier-duty brake discs, linings and hardware in these kits will increase braking capacity for the heavier, faster-landing aircraft now being designed & built.

#199-93 UPGRADE KIT - For #199-102 standard wheels and brakes. Upgrades current 40-78B/ 30-9 to new 40-230/30-181 specs. Consists of #66-106 linings, discs, shims, bolts, rivets and nameplates for 2 wheels & brakes.
 P/N 199-93

#199-156 KIT FOR VARIEZE (AIRCRAFT TO 1500 LBS) - Kit consists of two 40-230 wheel assemblies and two 30-181 brake assemblies. Uses #66-106 linings. Fits 1-1/4" dia. axles.
 P/N 199-156

#199-152 KIT FOR LONG-EZ & COZY (AIRCRAFT TO 2200 LBS) - Kit contains two 40-151 wheel assemblies and two 30-133 brake assemblies. Uses #66-55 linings. Fits 1-1/4" dia. axles.
 P/N 199-152



CLEVELAND WHEELS & BRAKES FOR AMPHIBIANS

Although magnesium wheels and brakes are considerably lighter, magnesium is subject to corrosion and should not be used for amphibious operation. Only organic linings should be used on all brakes. All parts of the 500 x 5 size wheels and brakes for amphibians are constructed of anodized aluminum for water resistance. Although a special 40-74 series of 600 x 6 wheels and brakes are manufactured for amphibious use, with chrome plated bearings and brake disc and water drainage holes, they are too costly for use on homebuilt aircraft.

The use of standard Cleveland aluminum wheels with standard bearings on amphibian aircraft is suggested. If bearings are kept well greased, reasonable service can be expected, but earlier bearing replacement should be anticipated.

500 x 5 (Anodized Aluminum)
 Kit P/N 199-103 (Std. Disc) Pr
 Kit P/N 199-103C (Chrome Disc) Pr

600 x 6 (Anodized Aluminum)
 Kit P/N 199-105 (Std. Disc) Pr
 Kit P/N 199-105C (Chrome Disc) Pr

500 X 5 ALUMINUM NOSE WHEEL, P/N 40-87C

AEROSHELL GREASE FOR WHEEL BEARINGS

Aeroshell #22 grease is recommended for lubrication of Cleveland wheel bearings and is also applicable to other similar wheel bearings. Meets Mil-G-81322.
 14 oz. tube P/N 08-05490

CLEVELAND HOMEBUILDERS SPECIAL WHEEL & BRAKE SET PACKAGES



PACKAGE NO. 1 - Includes 2 Cleveland 5.00-5 magnesium wheels & brakes plus (2) 6 ply tires & tubes. (Wt. approx. 28 lbs.)

A w/McCreary Air Trac Tires & Tubes P/N 06-00100
 B w/Goodyear Flight Custom II Tires (Goodyear's latest design)
 P/N 06-00200

C w/Lamb Tires & Tubes (11.400 x 5) P/N 06-00300

PACKAGE NO. 2 - Package No. 1 plus 2 Cleveland #10-35 master cylinders. (Wt. approx. 30 lbs.)
 A w/McCreary Air Trac Tires & Tubes..... P/N 06-00400

B w/G.Year Flight Custom II Tires & Tubes.. P/N 06-00500

C w/Lamb Tires & Tubes (11.400x5)..... P/N 06-00600

PACKAGE NO. 3 - Includes 2 Cleveland 6.00-6 magnesium wheels and brakes plus two 4 ply tires and tubes. (Wt. approx. 32 lbs.)
 A w/McCreary Air Trac Tires & Tubes..... P/N 06-00700

B w/G.Year Flight Custom II Tires & Tubes.. P/N 06-00800

PACKAGE NO. 4 - Package No. 3 plus 2 Cleveland #10-35 master cylinders. (Wt. approx. 34 lbs.)
 A w/McCreary Air Trac Tires & Tubes..... P/N 06-00900

B w/G.Year Flight Custom II Tires & Tubes.. P/N 06-01000

PACKAGE NO. 5 - Includes 2 Cleveland 6.00-6 magnesium wheels & brakes plus two low-profile lightweight 6-ply 15x6.00-6 tires & tubes. (Wt. approx. 32 lbs.)
 A w/McCreary Air Trac Tires & Tubes..... P/N 06-01100

B w/G.Year Flight Custom II Tires & Tubes.. P/N 06-01200

PACKAGE NO. 6 - Package No. 5 plus 2 Cleveland #10-35 master cylinders. (Wt. approx. 34 lbs.)
 A w/McCreary Air Trac Tires & Tubes..... P/N 06-01300

B w/G.Year Flight Custom II Tires & Tubes.. P/N 06-01400

PACKAGE NO. 7 FOR DEFIANT - Includes 2 Cleveland 6.00-6 magnesium wheels & brakes (P/N 199-133X) plus (2) 6.00-6 McCreary 6 ply tires & tubes plus 2 master cylinders..... P/N 06-01500

HEGAR WHEEL KITS



Spun aluminum wheel kit includes aluminum wheel halves, hubs, 5/8 bearings, valve, tubeless kit and all necessary hardware. Compatible with Hegar brakes.

Note: Order tires separately.

4X6 Offset rim..... P/N 06-00318

4X6 Symmetrical (Quicksilver®)..... P/N 06-00319

5X6 Offset rim P/N 06-00320

5X6 Symmetrical (Quicksilver®) P/N 06-00321

6X6 Offset rim P/N 06-00322

6X6 Symmetrical (Quicksilver®)..... P/N 06-00323

The following Hegar wheels are designed to fit Quicksilver® nose gear allowing clearance for the steering fork.

3.5X5 MX(L) Nose Wheel P/N 06-00324

3.5X6 MX(L) Nose Wheel P/N 06-00325

HEGAR SPUN AND BILLET ALUMINUM WHEELS WITH BRAKES

6" SPUN ALUMINUM WHEEL - Includes. 2 - 6" spun aluminum wheels. 2 - 5" calipers and 4-1/2" rotors. all lines and fittings. axles included 5/8" or 3/4". 5/8" precision ball bearings are 800 GVW. 3/4" precision ball bearings are 1100 GVW. Note: To be run tubeless, but tubes may be used. 3-3/4 lbs. per side wheel and brake.

6S X 4 - 4" Wide Wheel X 6" Diameter..... P/N 06-01268

6S X 5 - 5" Wide Wheel X 6" Diameter..... P/N 06-01269

6S X 6 - 6" Wide Wheel X 6" Diameter..... P/N 06-01270

6" BILLET ALUMINUM WHEEL - 6B X 5 W/ 5" Brake Assembly. kit includes. 2 - 6" billet aluminum wheels. 2 - calipers and 4-1/2" rotors. all lines and fittings. 3/4" axles included. 3/4" precision all bearings 1500 GVW. Note: Uses tube with 90° valve stem.... P/N 06-01271

6" BILLET ALUMINUM WHEEL - 6B X 5 W/ 6-3/8" Brake Assembly. kit includes. 2 - 6" billet aluminum wheels. 2 - calipers and 6-3/4" rotors. all lines and fittings. 1-1/4" precision ball bearings 1800 GVW per set. 3/4" precision ball bearings 1500 GVW per set. Note: Retro fits Cleveland brakes. Uses tubes with 90° valve stem. P/N 06-01272

5" BILLET ALUMINUM WHEEL - 5B X 5 W/ 6-3/8" Brake Assembly. kit includes. 2 - 5" billet aluminum wheels. 2 - calipers and 6-3/8" rotors. all lines and fittings. 1-1/4" precision ball bearings 1800 GVW per set. 3/4" precision ball bearings 1500 GVW per set. Note: Retro fits Cleveland brakes. Uses a tube with 90° valve stem P/N 06-01273

HEGAR EXTERNAL DISC BRAKES

Heavy duty hydraulic external disk brakes for use with all Hegar wheels. Black anodized billet aluminum, 1/8" thick steel disk. Set includes 15 feet of high pressure nylon brake line, fluid with bleeder kit, and fittings. Axles and master cylinders must be ordered separately. Specify 5/8" or 3/4" bearings.
 P/N 06-00326

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