

AXLES

HOMEBUILDERS MAIN GEAR AXLES ACS AXLES - BOLT-ON TYPE



500X5 AXLE - Machined from 2024T3 aluminum. Gold anodized per specification MIL-A-8625C, Type II for improved corrosion resistance. Length 5-3/4". Mounting bolt pattern is four equally spaced 1/4" dia. holes on 1-15/16" dia. bolt circle. Thread size: 1-1/4 x 16. P/N 11701 **Ea.**

500X5 AXLE - For 199-152 heavy duty discs (as used in Cozy). Same as #11701 axles above except 6" long and without undercut between bearings.....P/N 11701-2

SPACERS FOR 500 X 5 AXLE - 2 required per axle when used with Cleveland wheels. Not required on 600x6 size. P/N 11716 **Ea.**

EXTRA WIDE SPACER FOR 500X5 AXLE - 7/16" wide as used on 199-152 heavy duty discs. 1 required per axle with P/N 11716 (Use Axle # 11701-2)P/N 11716-2 **Ea.**

ACS AXLES - WELD-ON TYPE

500 X 5 AXLE - For use on welded type gear. Fabricated from 1-1/4" O.D. x .120 wall 4130N steel tubing. Precision ground for proper bearing fit. One end threaded 1-1/4 x 12 for round axle nut. 12" long. P/N 11703-1 **Ea.**

600 X 6 AXLE - For use on welded type gear. Fabricated from 1-1/2" O.D. x .120 wall 4130N steel tubing. Precision ground for proper bearing fit. One end threaded 1-1/2 x 16 for round axle nut. 12" long. P/N 11704-1 **Ea.**

AXLE NUTS



06-11800
06-11900

Castle type nuts manufactured to MIL Specification MS21025 using 4140 steel. Mild steel nuts are not acceptable for use on certificated aircraft. 1-1/4" dia. nuts for 500 x 5 axles, 1-1/2" dia. nuts for 600 x 6 axles.

| Nut Type | | Thread | Axle Type | Part No. | Price |
|----------|--------|----------|-----------|----------|-------|
| Matco | Castle | 5/8-18 | Matco | 06-11815 | --- |
| --- | Castle | 1-1/4-16 | Cessna | 06-11800 | --- |
| --- | Castle | 1-1/2-16 | Cessna | 06-11900 | --- |
| ACS | Round | 1-1/4-12 | Piper | 11725 | --- |
| ACS | Round | 1-1/2-16 | Piper | 11726 | --- |
| Grove | Round | 1-1/4-12 | Piper | 06-00937 | --- |

TAPER SHIMS

For wheel alignment. Ideal setting is zero toe-in and zero camber at normal operating weight. Shims may be rotated to any one of four positions to obtain desired result.



0441157-1

| Axle Size | Shim Part No. | Approx. correction value | | Price Each |
|-----------|---------------|--------------------------|------------|------------|
| | | Camber | Toe-In | |
| 500x5 | 0441157-1 | 1/2" | 0.06" | --- |
| | 0441157-3 | 1° | 0.12" | --- |
| | 0441157-2 | 2° | 0.006" | --- |
| 600x6 | 0441139-5 | 1/2° | 0.12" | --- |
| | 0441139-6 | 1° | 0.20-0.25" | --- |
| | 0541111-2 | 2-1/2° | 0.10-0.25" | --- |

AXLE WITH WOODRUFF KEY



Axle 5/8" x 8" with Woodruff Key (Cotter Pin hole)P/N 06-01004

GROVE AXLES



For 500X5 Wheels with Wheel Pant Stub
• Diameter: 1.25" • Material: Solid 2024-T3 aluminum w/anodized finish • Hole Pattern: 1-15/16" bolt circle; 1/4" dia. holes. Requires (2) P/N5710 spacers per axle. P/N 06-00601

For 600X6 Wheels with Wheel Pant Stub
• Diameter: 1.5" • Material: Solid 2024-T3 aluminum w/anodized finish • Hole Pattern: 2.25" bolt circle; (2) 2-15/16" dia. bolt holes & (2) 2-3/8" dia. bolt holes. P/N 06-00602



GROVE AXLE SPACER 5712

I.D.: 1.25", O.D.: 1.438", Thickness: 0.360", Used with 5015 axle, 1 (one) required per axle. P/N 06-01504



GROVE AXLE SPACER 5710

I.D.: 1-1/4" • O.D. 1-3/4", Thickness: 1/4", Used with 500x5 axle, 2 required per axleP/N 06-00852

GROVE ALUMINUM WHEEL PANT AXLE NUTS



| Model | Axle | Thread | Part No. | Price |
|-------|-------|----------|----------|-------|
| 5512 | 500x5 | 1-1/4x16 | 06-01677 | --- |
| 5513 | 600x6 | 1-1/2x16 | 06-01678 | --- |
| -- | 400x4 | 3/4x16 | 06-01742 | --- |



CESSNA MAIN GEAR AXLE

For use on flat spring landing gear, Cessna models 180, 182, 185 and 206. It is highly recommended to replace aluminum axles with these much stronger steel axles when operating on rough conditions, with larger wheels or on skis. FAA-PMA approved.

SteelP/N 05-00481
TitaniumP/N 05-12478



GROVE HOMEBUILT AIRCRAFT LANDING GEAR

These custom landing gear are fabricated from aircraft grade 2024T3 aluminum. After cutting and milling, they are annealed to "O" condition for bending, and then heat-treated to "T6" condition for exceptional strength and durability. Top quality landing gear at exceptional pricing.

| Aircraft Type | Part No. | Price |
|-------------------------------------|----------|-------|
| KITFOX - Mod 3&4 TD | 06-04025 | --- |
| PITTS - S1 | 06-03915 | --- |
| S1-11B SuperStinker | 06-04035 | --- |
| Baby Lakes | 06-04070 | --- |
| VP1 - 1100B Free Standing No Cables | 06-04040 | --- |
| Zenair CH701 | 06-00058 | --- |

NOTE: Request landing gear layout sheet when placing order or quotation Request for custom landing gear to verify correct gear for application.

**NOTE: ALL GROVE AIRCRAFT LANDING GEAR IS
NON-CANCELLABLE / NON-RETURNABLE.**

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