

# SHOCK CORDS - RINGS



## MILL FRESH SHOCK RINGS

An endless elastic ring composed of multiple strands of natural rubber, wound into a circular skein. Braided cover is high grade yarn. Manufactured to meet specification MIL-C-5651B, Type II. Shock cord is used in landing gear to

reduce shock transmitted to fuselage while landing and taxiing and on other shock mounting applications. Color coded to insure fresh stock.

Ring No.	Ring Size* (In.)	Test (Lb.)	Aircraft	# Req.	Part No.	Price Ea.
9044	9/16x4-1/2	400	Hatz Bi-Plane	4	9044	.
9090	9/16x9	425	Taylorcraft B	4	9090	.
9010HD	9/16x10	475	Taylorcraft BC	4	06-00829	.
9010HDX	9/16" X 10"		Taylorcraft F-19/F-21	4	06-01132	.
1080	5/8x8	750	Stolp Starduster.Rans S4/5	4	1080	.
1080HD	5/8x8	900	PA-16, PA-18	4	06-00823	.
			PA-20, PA-22, PA-25	4		.
1174	11/16x7-1/2	730	Piper J-2, Early J-3, J-5	4	06-00756	.
1192	11/16x9-1/4	750	Taylorcraft D	4	1192	.
11104	11/16x10-1/2	750	Taylorcraft L-2	4	11104	.
1280	3/4x8	750	Stolp Starduster Too	4	1280	.
1280-HD	3/4x8	950	Piper J-3 (S/N8277 up)	4	06-00826	.
			PA-11, PA-12, PA-14	4		.
			PA-18 (thru S/N18-3013)Rans S10 Acrosport, Pitts S-2	4		.
8097	1-1/2 x 9-7/8	400	PA-24, PA-30	2	8097	.
1286	3/4x8-3/4	750	Aeronca (S/N330 up)	4	1286	.
1286HD	3/4x8-3/4	950	Skybolt	6	06-00827	.
			PA-20 (before 1952)	2		.
1380	13/16x8	1160	Pitts (S-1, S-1C, S-1S)	4	1380	.
			Husky Acrosport 2, Rans S9	4		.

\*1st dimension is cross section; 2nd dimension is inside dia. of ring.  
HD - Heavy Duty, higher test rings. \*\*\*6 Rings for J-5.  
HDX - Extra Heavy Duty.

CW (Cold Weather) shock rings available on Special Order basis. Prices are approx. twice that of standard shock rings. Add "CW" to standard part number when ordering.

## SHOCK CORD

Made of fine natural rubber thread encased in a jacket of 2-ply woven cotton cord. Rubber strands are pre-stretched for an ultimate elongation of 120 to 140%. Treated to resist wear and oxidation. Meets specification MIL-C-5651B.

### TYPE 1

Dia. (In.)	Part No.	Price/Ft. Less Than 100 Ft.	100 Ft.	Dia. (In.)	Part No.	Price/Ft. Less Than 100 Ft.	100 Ft.
1/8	06-12100	.	.	1/2	06-12500	.	.
1/4	06-12200	.	.	5/8	06-12600	.	.
5/16	06-12300	.	.			.	.
3/8	06-12400	.	.			.	.

## SHOCK CORD FASTENERS

These cone spring hooks and locking rings are used as terminal fasteners. Insert cord through small end of cone. Apply and crimp locking ring about 1/2" from end of cord, pull cord back until locking ring contacts inside of fastener. Cut ends of cord may be sealed by dipping in rubber cement. Set includes Shock Cord Size, Fastener P/N, Price/Set

Shock Cord Size	Fastener P/N	Price/Set
1/4"	06-12800	.
3/8"	06-12900	.
1/2"	06-13000	.



## SHOCK CORD INSTALLATION TOOL

This handy new tool installs standard shock rings on most aircraft without the great effort required in the past. This tool is designed for use with the shock cords shown above. Our price is the best anywhere. P/N 06-16600

## BOGERT COMANCHE BUNGEE TOOL

Lower damage risk with the right tool • Complete control of bungee shock cords coming off • Complete control of bungee shock cords going on • E-Z instructions with detailed drawings • Safe landings depend on new cords every few years. P/N 06-00419

## BOGERT COMANCHE GEAR RETRACTION TOOLS

**Straight** - Fits: PA-24, SN 24-1 through 24-4782 & 24-4784 through 24-4803 P/N 12-02095  
**Angled** - Fits: All PA-30's, PA24, Serial number 24-4783, 24-4804 & up P/N 12-02094

## BUNGEE-MASTER

At last... a tool that takes the hassle out of shock cord installation. Bungee-Master is quick, easy, and safe. A one man operation. It is small and compact, and features all metal construction with black anodized finish. Shock cords are stretched evenly with Bungee-Master using easy bench top operation. Requires only a shop vise. Will install shock cords on J-3 Cub, PA-18 Super Cub, PA-20 Pacer, PA-22 Tri-Pacer, PA-22 Colt, and the PA-25 Pawnee P/N 06-03910



## SHOCK ABSORBER COIL RINGS

High pressure springs fabricated from alloy steel for top performance and long spring life. The Claude Gray shock absorber design has been service-proven on the EAA Biplane, Miniplane, Pitts and others. Over 1,000 pair in use. Length 6", 2" O.D., 1" I.D.. Wt. 4-1/2 lbs. per pair. Spring deflection 0.7" per 1,000 lb. force. Set of two springs. P/N 06-13200

Discount 10% on 6, 15% on 12



## GRANVILLE'S STRUT SEAL

Landing gear strut packing seals shrink due to fluctuating weather conditions and age. This specially engineered hydraulic chemical additive leaves a protective coating on the strut shaft and allows the seal to expand to its normal size. It will stop strut leaks and is an excellent lubricant and corrosion preventative. Application is fast and easy - any owner or pilot can do the job in minutes. FAA approved.

Single-Strut Kit ..... P/N 06-13300  
3-Strut Kit (Single Engine)..... P/N 06-13400  
3-Strut Kit (Medium Twins)..... P/N 06-13500  
Large Twin kit (16 oz)..... P/N 06-00110  
Granville Strut Additive (Pt.)..... P/N 06-00111

## STRUT REBUILD KITS FOR CESSNA NOSE STRUTS

For Cessna models 150, 152, 172, 175, 182, R182, 205, 206, 210, T210, P210, 310-310Q, 320, 336, & 337. Includes 5 O-Rings, 2 Back-Up Rings, Scraper Ring. P/N 06-03960

## FOR PIPER NOSE STRUTS

For Piper PA28-140, 150, 151, 160, 161, 180, 181, & 235. PA32-260 & 300. Includes O-Rings, Back-Up Ring, Seal, Wiper & Aluminum Gasket. P/N 06-03965

For Piper PA28R & PA32R series retractable nose struts. Includes Seals, O-Rings & Gasket. P/N 06-03970

## FOR PIPER MAIN STRUTS

For Piper PA28-140, 150, 151, 160, 161, 180, 181 & 235, PA32-260 & 300. Includes O-Rings, Scraper, Seal & Aluminum Gasket. P/N 06-03975

For Piper PA28R & PA32R series retractable main struts, Includes Seals, O-Rings & Gasket. P/N 06-03980

## STRUT SEAL KITS FOR PIPER



Kits contain Mil-Spec & Industry Standard Seals and Components required for various Piper Strut application

Seal kit for nose or main strut for Piper Apache/Aztec ..... 06-00126  
Strut seal kit for Piper PA-24 main gear ..... 06-00127  
Strut seal kit for Piper PA24 nose gear..... 06-00128  
Strut seal kit for Piper PA30 main gear..... 06-00129  
Strut seal kit for Piper PA30 nose gear..... 06-00130  
Main Strut seal kit for Piper PA28 140, 150, 151, 160, 161, 180, 181, 235, & PA32-260, 300 ..... 06-03975  
Nose strut seal kit for PA28-140, 150, 151, 160, 161, 180, 181, 235, & PA32-260, 300 ..... 06-03965  
Main strut seal kit for PA28R & PA32R-300, 301, 301T, & PA32RT-300, 300T ..... 06-03980  
Nose strut seal kit for PA28R & PA32R-300, 301, 301T, & PA32RT-300..... 06-03970

## 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.



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

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:

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

LG