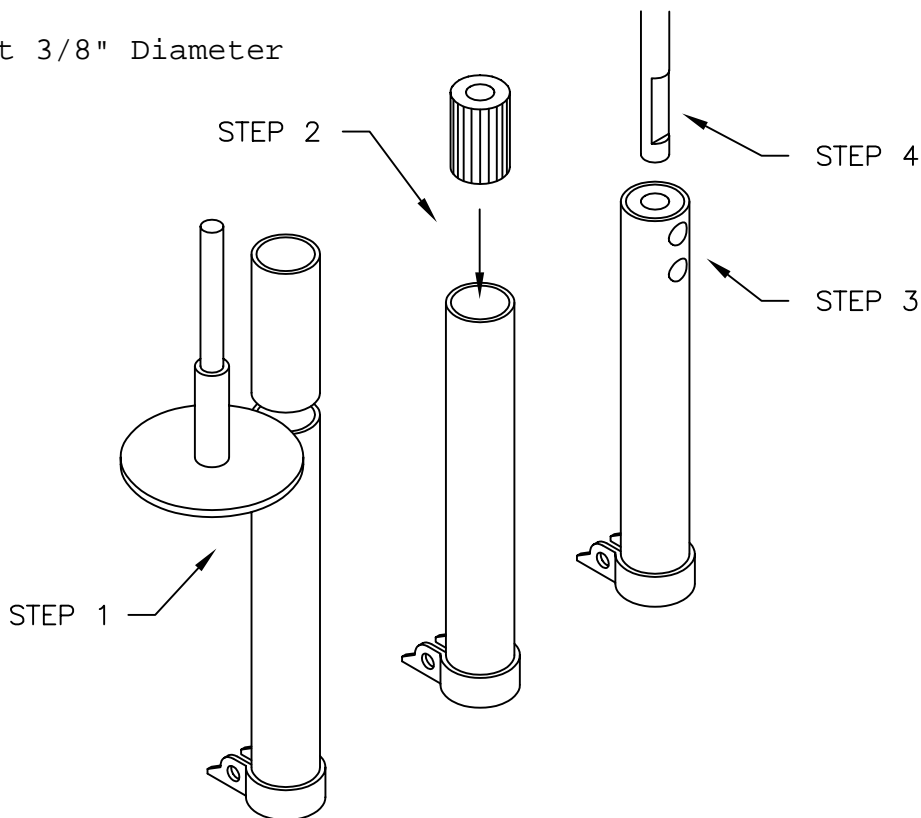


RoboStrut 3/8" Diameter



STEP 1
DETERMINE LENGTH OF STRUT FOR YOUR AIRPLANE. CUT THE STRUT TUBE TO THE LENGTH REQUIRED. (A DREMEL CUTOFF WHEEL #409 WORKS GOOD) DEBURR THE TUBE AFTER CUTTING

STEP 2
SELECT EITHER THE 5/32 OR THE 3/16 ADAPTER BUSHING AND INSERT FLUSH WITH THE TOP OF THE TUBE. USE J.B.WELD OR STAYBRIGHT SILVER SOLDER TO SECURE THE BUSHING IN THE TUBE. NOTE: IF SILVER SOLDERING APPLY ONLY ENOUGH HEAT AT THE TOP OF THE STRUT TO GET THE SOLDER TO FLOW. CAUTION! OVER HEATING WILL WEAKEN THE STRUT.

STEP 3
USING A #36 DRILL, AT A LOW RPM, DRILL 2 HOLES AS SHOWN ABOVE. ONE HOLE SHOULD BE 1/8" FROM THE TOP OF THE BUSHING, THE OTHER 3/8" FROM THE TOP OF THE BUSHING. DRILL THROUGH ONE SIDE OF THE STRUT AND BUSHING AND PART WAY INTO THE OTHER SIDE OF THE BUSHING. (THIS WILL MAKE TAPPING THE CROSS HOLES EASIER.) TAP BOTH CROSS HOLES WITH A #6-32 TAP. MAKE SURE THE SET SCREWS WILL THREAD PAST THE INSIDE WALL OF THE BUSHING.

STEP 4
CUT YOUR GEAR WIRE TO LENGTH. NOTE THAT APPROXIMATELY 5/8" OF WIRE WILL BE REQUIRED TO MOUNT THE ROBOSTRUT. (5/8" LENGTH OF WIRE STICKING OUT FROM THE RETRACT UNIT OR BOTTOM OF WING FOR FIXED GEAR) TEMPORARILY MOUNT THE STRUT ON THE WIRE AND MARK THE WIRE WITH THE SET SCREWS. REMOVE THE STRUT AND GRIND A FLAT ON THE WIRE IN THE AREA INDICATED BY THE SET SCREW MARKS.

STEP 5
MOUNT THE ROBOSTRUTS TO THE WIRE STUB. COAT THE SET SCREWS WITH ZAP Z-42 THREAD LOCK PRIOR TO TIGHTENING.