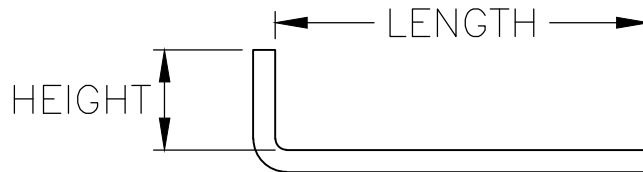


BRASS TUBE CUT CHART

.40625 (13/32) DIA.- NEPTUNE	CUT LENGTH= 2 7/8"
.375 (3/8) DIA.- URANUS	CUT LENGTH= 4 7/8"
.34375 (11/32) DIA.- SATURN	CUT LENGTH= 6 1/4"
.3125 (5/16) DIA.- JUPITER	CUT LENGTH= 7 1/8"
.28125 (9/32) DIA.- MARS	CUT LENGTH= 8 1/4"
.250 (1/4) DIA.- EARTH RING	CUT LENGTH= 9 1/8"
.21875 (7/32) DIA.- EARTH ARM	CUT LENGTH= 9 7/8"
.1875 (3/16) DIA.- VENUS	CUT LENGTH= 10 3/4"
.15625 (5/32) DIA.- MERCURY	CUT LENGTH= 11 5/8"
.125 (1/8) DIA.-SUN	CUT LENGTH= 12" (CUT NOT NEEDED)

PLANET SUPPORT ROD CUT/BEND CHART



	LENGTH	HEIGHT
NEPTUNE	15"	5 1/4"
URANUS	13 3/8"	4 1/2"
SATURN	11 3/8"	3 3/4"
JUPITER	8 3/8"	3 3/8"
MARS	6 5/8"	3 1/8"
EARTH RING	NA	NA

	LENGTH	HEIGHT
EARTH	SEE EARTH-MOON SUPPORT DRAWING	
VENUS	3 1/8"	1 3/4"
MERCURY	1 5/8"	1 1/2"
SUN	NA	NA
MOON	SEE EARTH-MOON SUPPORT DRAWING	