Fig. 81: Centering washers, mica washers and porcelain bushings.

CENTERING WASHERS

When resistors are to be mounted by through-bolts, "centering washers" are used with all resistors having an inside diameter larger than ¼", so as to keep the resistor centered on the bolt. The standard washers are made of steel, cadmium plated to resist corrosion.

Cat. No.	O.D. of Core	I.D. of Core	Dia. of Washer	Dia. of Hole	For Max. Screw Size
6007	7/16"	¼"	7/16"	.173	#8
6000	9/16"	5/16"	9/16"	.190	#10
6006	5/8"	7/16"	5/8"	.190	#10
6001	¾"	½"	¾"	.190	#10
6002	1"	5/8"	1"	.250	¼"
6003	1 1/8"	¾"	1 1/8"	.250	¼"
6004	1 1/2" or 1 5/8"	1 1/8"	1 5/8"	.250	¼"
6005	2 1/2"	1 3/4"	2 1/2"	.250	¼"

MICA WASHERS

Mica washers are used on through-bolt mounted resistors when a larger insulation leakage distance to ground is wanted than that provided by the normal lug edge distance alone. The mica washer fits between the core and the centering washer and the mica washer then requires the same I.D. as the resistor tube. The mica washers are made of "built-up mica" nominally 1/32" thick. As there is often some tendency for the laminations to separate during shipping and handling, it is the usual practice to use one or more laminations together, to obtain 1/32" minimum, when assembling.

Flexibility of mica washers allows No. 10 and ¼" diameter bolts to pass through nominal 3/16" diameter holes.

	Core		Washer	
Cat. No.	O.D.	I.D.	O.D.	I.D.
*6029	7/16"	¼"	¾"	¼"
6010	9/16"	5/16"	¾"	5/16"
*6011	9/16"	5/16"	¾"	5/16"
*6026	9/16"	5/16"	1"	5/16"
6012	¾"	½"	1"	¾"
*6013	¾"	½"	1"	½"
6014	1"	5/8"	1 1/4"	¾"
*6015	1"	5/8"	1 1/4"	5/8"
6016	1 1/8"	¾"	1 1/2"	¾"
*6017	1 1/8"	¾"	1 1/2"	¾"
*6019	1 1/2" or 1 5/8"	1 1/8"	2"	1 1/8"
*6018	2 1/2"	1 3/4"	3"	1 3/4"

*To be used with centering washers.

PORCELAIN BUSHINGS FOR THROUGH-BOLT MOUNTING

Porcelain bushings, which act as centering washers and additional end insulation, are available, as listed in the table, for resistors which are to be mounted by through-bolts. The bushings are a convenient means for increasing the leakage distance from the lugs to ground without the necessity of mounting the lugs farther in on the core. The bushings can be furnished cemented into the resistors, when so ordered.

Cat. No.	For Core Size	Recess For Nut Size
6020	1 1/8" O.D. x ¾" I.D.	—
6022	*1" O.D. x 5/8" I.D.	#10
6023	*1" O.D. x 5/8" I.D.	¼"
6024	9/16" O.D. x 5/16" I.D.	#8
6025	¾" O.D. x ½" I.D.	#10

*Also used with 1 1/8" O.D. core and special brackets.

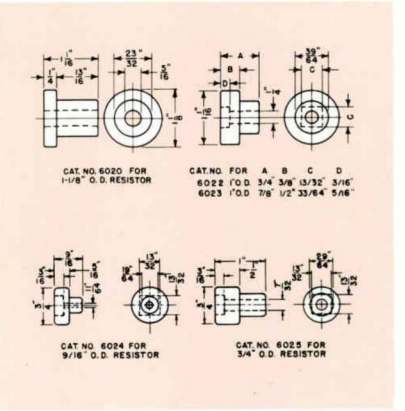

Fig. 82: Porcelain bushings