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USA STANDARDS INSTITUTE

EIA STANDARD

*Wire-Wound Power-Type
Rheostats*

RS-322
(Revision of TR-133)



October 1965

Engineering Department

ELECTRONIC INDUSTRIES ASSOCIATION

EIA RS-322

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WIRE-WOUND POWER-TYPE RHEOSTATS

(From EIA Standard TR-133 and Standards Proposal No. 877, formulated under the cognizance of EIA Committee P-1.4 on Wirewound Components.)

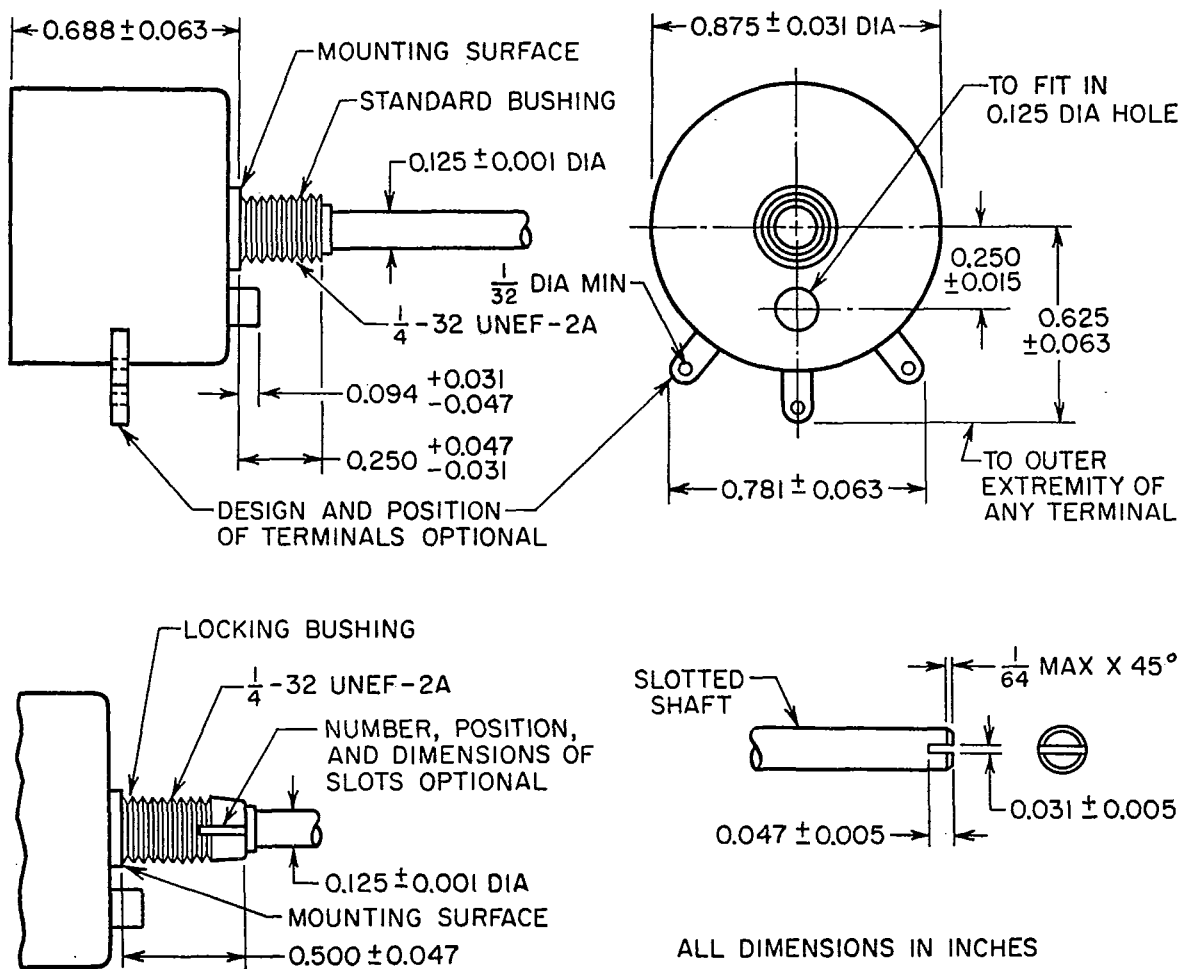
SCOPE

This EIA Standard covers linear-wound variable resistors used as rheostats and as potentiometers (variable voltage-dividers), having a resistance element of wire, wound on an insulating form shaped in an arc, so that a contact bears uniformly on the resistance element when adjusted by a contact shaft.

SECTION I - DIMENSIONS

A. Rheostats, Unenclosed

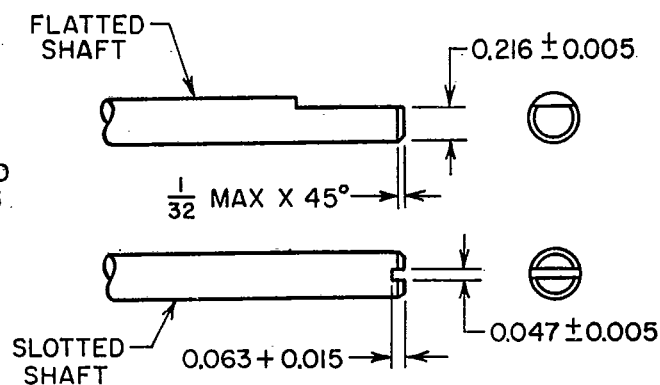
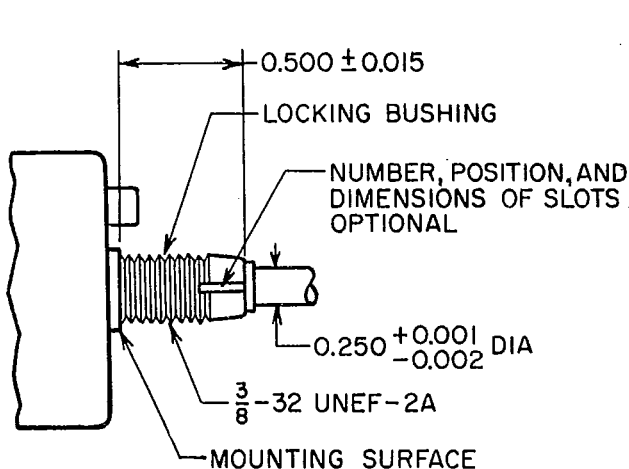
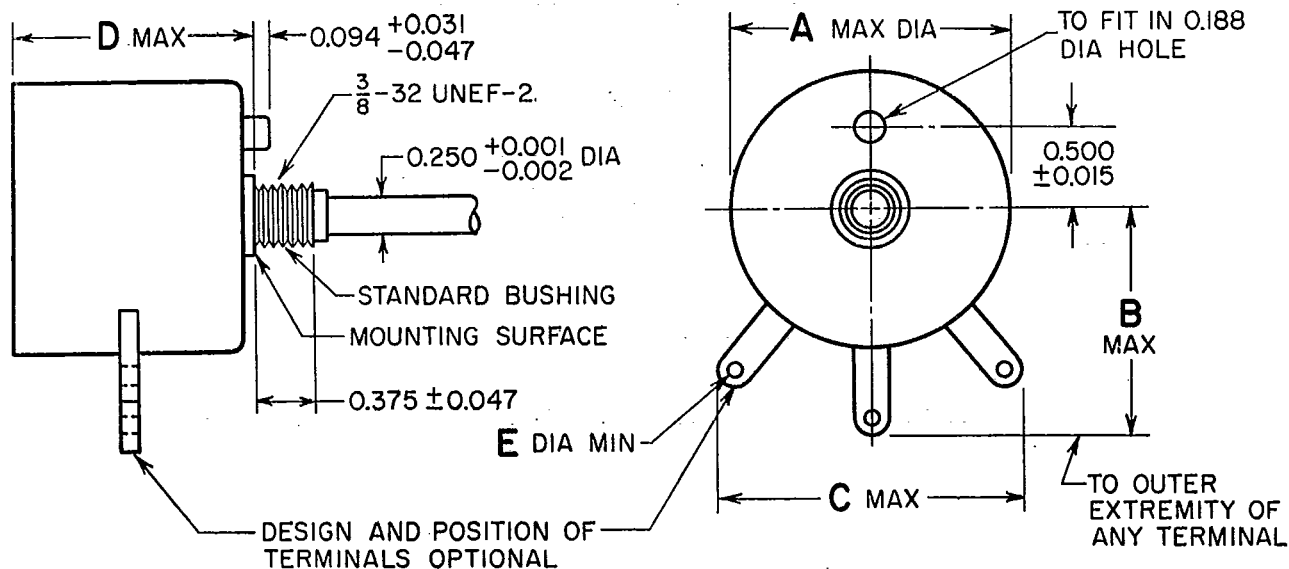
1. RHEOSTATS, UNENCLOSED, 12.5 WATTS; STYLE RRP 06



ANGLE OF MECHANICAL ROTATION
290° TO 305°

SEE TABLE IV
FOR SHAFT LENGTHS

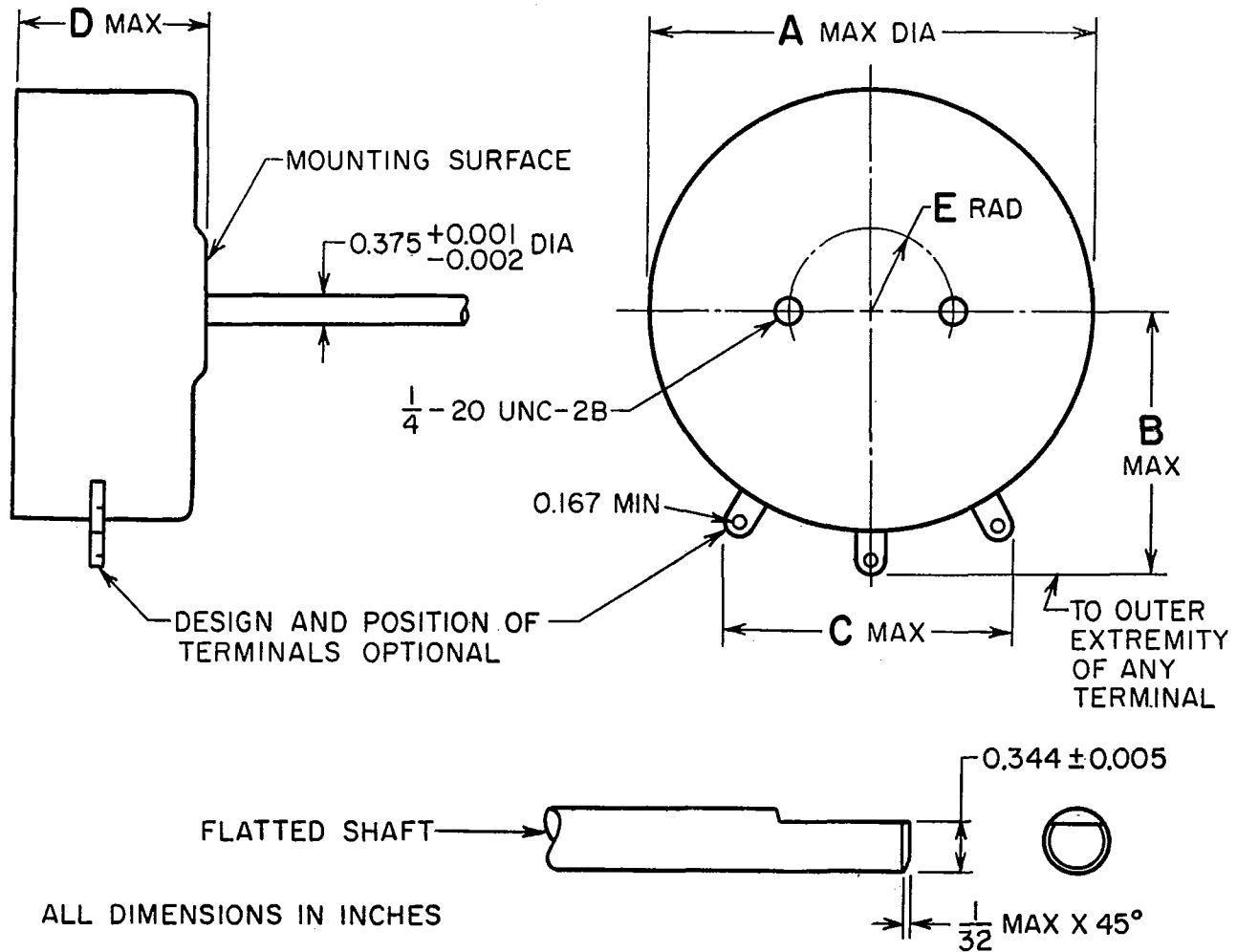
2. RHEOSTATS, UNENCLOSED, 25 WATTS TO 150 WATTS INCLUSIVE;
STYLES RRP 10, RRP 15, RRP 20, RRP 25, AND RRP 30



ALL DIMENSIONS IN INCHES
SEE TABLE IV
FOR SHAFT LENGTHS

Style	Angle of Mechanical Rotation	A	B	C	D	E	Watts
RRP 10	275° to 305°	1.68	1.42	1.88	1.41	0.080	25
RRP 15	295° to 310°	2.41	2.00	2.50	1.44	0.138	50
RRP 20	295° to 310°	2.81	1.82	2.56	1.78	0.167	75
RRP 25	295° to 315°	3.19	2.19	2.69	1.78	0.167	100
RRP 30	290° to 315°	4.06	2.44	3.00	2.03	0.167	150

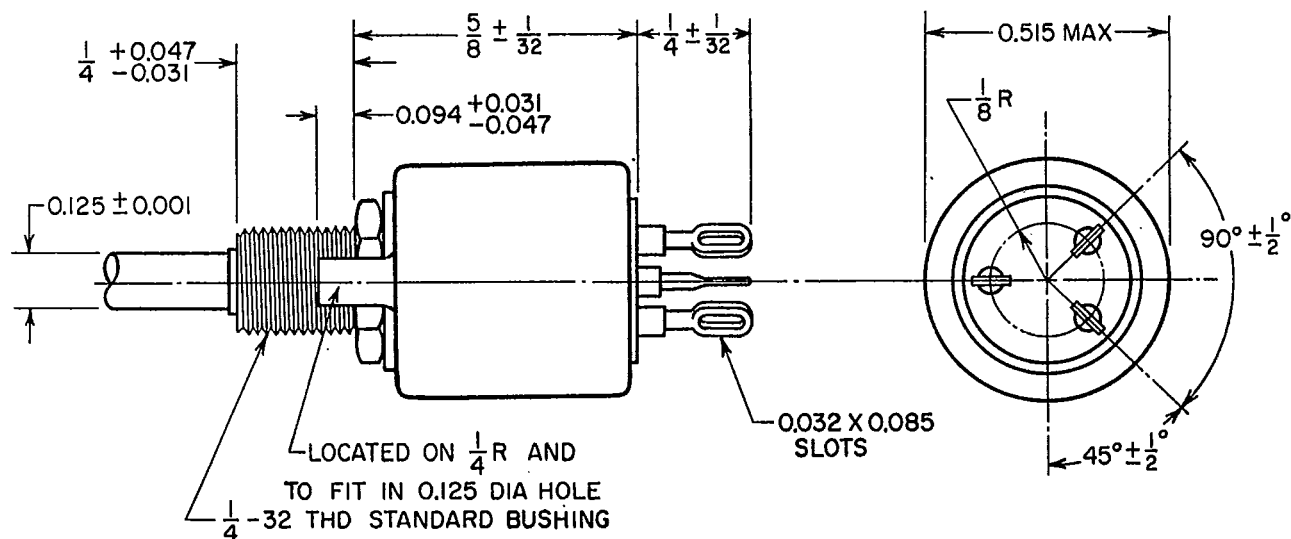
3. RHEOSTATS, UNENCLOSED, OVER 150 WATTS;
STYLES RRP 35, RRP 40, RRP 50, AND RRP 55



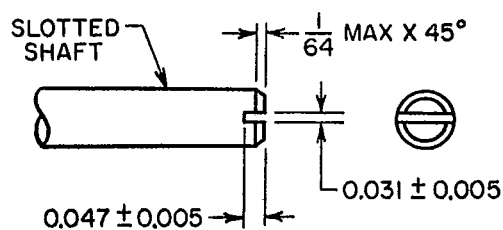
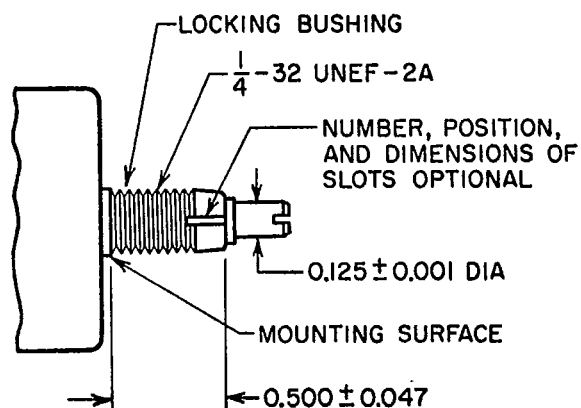
ALL DIMENSIONS IN INCHES

SEE TABLE IV
FOR SHAFT LENGTHS

Style	Angle of Mechanical Rotation	A	B	C	D	E	Watts
RRP 35	305° to 315°	5.09	2.97	3.13	2.16	0.875 ± 0.013	225
RRP 40	310° to 325°	6.09	3.77	3.13	2.41	1.19 ± 0.013	300
RRP 45	320° to 330°	8.09	4.60	3.25	3.03	1.50 ± 0.013	500
RRP 50	325° to 335°	10.09	5.63	3.44	3.03	1.88 ± 0.013	750
RRP 55	330° to 340°	12.31	6.75	3.69	3.03	3.00 ± 1/32	1,000

B. Rheostats, Enclosed**1. RHEOSTATS ENCLOSED, 7.5 WATTS; STYLE RRP 05**

ANGLE OF MECHANICAL ROTATION
295° TO 305°



ALL DIMENSIONS IN INCHES

SEE TABLE IV
FOR SHAFT LENGTHS