

EIA STANDARD
for
PIN STRAIGHTENERS
AND WIRING JIGS FOR
ELECTRON TUBES

ELECTRONIC INDUSTRIES ASSOCIATION
STANDARD RS-190-A
(Revision of RS-190)

Formulated by
JEDEC Electron Tube Council



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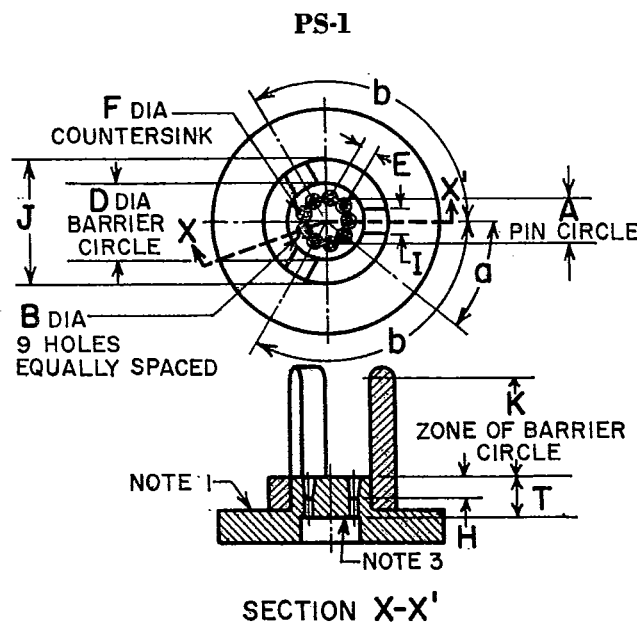
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ref.	inches			millimeters			degrees	notes
	min.	nom.	max.	min.	nom.	max.		
A	0.234	0.235	0.236	5.944	5.969	5.994		2, 3
B	0.0205	0.0210	0.0215	0.521	0.533	0.546		3
D	0.4000	0.4000	0.4005	10.1600	10.1600	10.1727		2
E	0.0799	0.0804	0.0809	2.030	2.042	2.054		3, 4
F	0.057	0.062	0.067	1.45	1.57	1.70		
H	—	0.100	—	—	2.54	—		
I	—	0.125	—	—	3.18	—		
J	—	0.625	—	—	15.88	—		
K	0.500	—	—	12.70	—	—		
T	—	0.203	—	—	5.16	—		
a	—	—	—	—	—	—	40	
b	—	—	—	—	—	—	120	

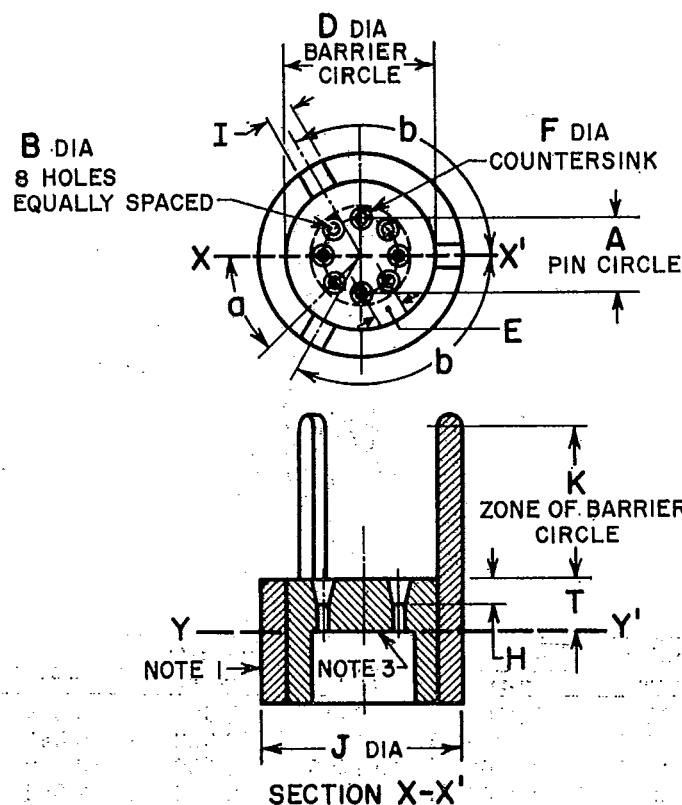
The metric dimensions are derived from the original inch dimensions.

NOTES:

1. Mounting Method is optional.
2. Eccentricity of pin circle with respect to barrier I.D. must not exceed 0.0025" (0.063 mm).
3. Pin circle diameter, pin spacing, and pin hole diameter dimensions and tolerances apply to bottom surface.
4. Tolerances are not cumulative.

This pin straightener is for use with base E8-9, or equivalent.

PS-2



ref.	inches			millimeters			degrees	notes
	min.	nom.	max.	min.	nom.	max.		
A	0.374	0.375	0.376	9.500	9.525	9.551		2, 3
B	0.0420	0.0425	0.0430	1.067	1.080	1.092		3
D	0.750	0.750	0.755	19.050	19.050	19.177		2
E	0.1430	0.1435	0.1440	3.633	3.645	3.657		3, 4
F	0.120	0.125	0.130	3.05	3.18	3.30		
H	—	0.125	—	—	3.18	—		
I	—	0.125	—	—	3.18	—		
J	0.985	1.000	1.015	25.02	25.40	25.78		
K	0.750	—	—	19.05	—	—		
T	—	0.250	—	—	6.35	—		
a	—	—	—	—	—	—	45	
b	—	—	—	—	—	—	120	

The metric dimensions are derived from the original inch dimensions.

NOTES:

1. Dimensions, mounting method, mounting flange, etc., below Plane Y-Y' are optional.
2. Eccentricity of pin circle with respect to barrier circle must not exceed 0.0025" (0.063 mm).
3. Pin circle diameter, pin spacing, and pin hole diameter dimensions and tolerances apply to bottom surface.
4. Tolerances are not cumulative.

This pin straightener is for use with base E7-1, or equivalent.