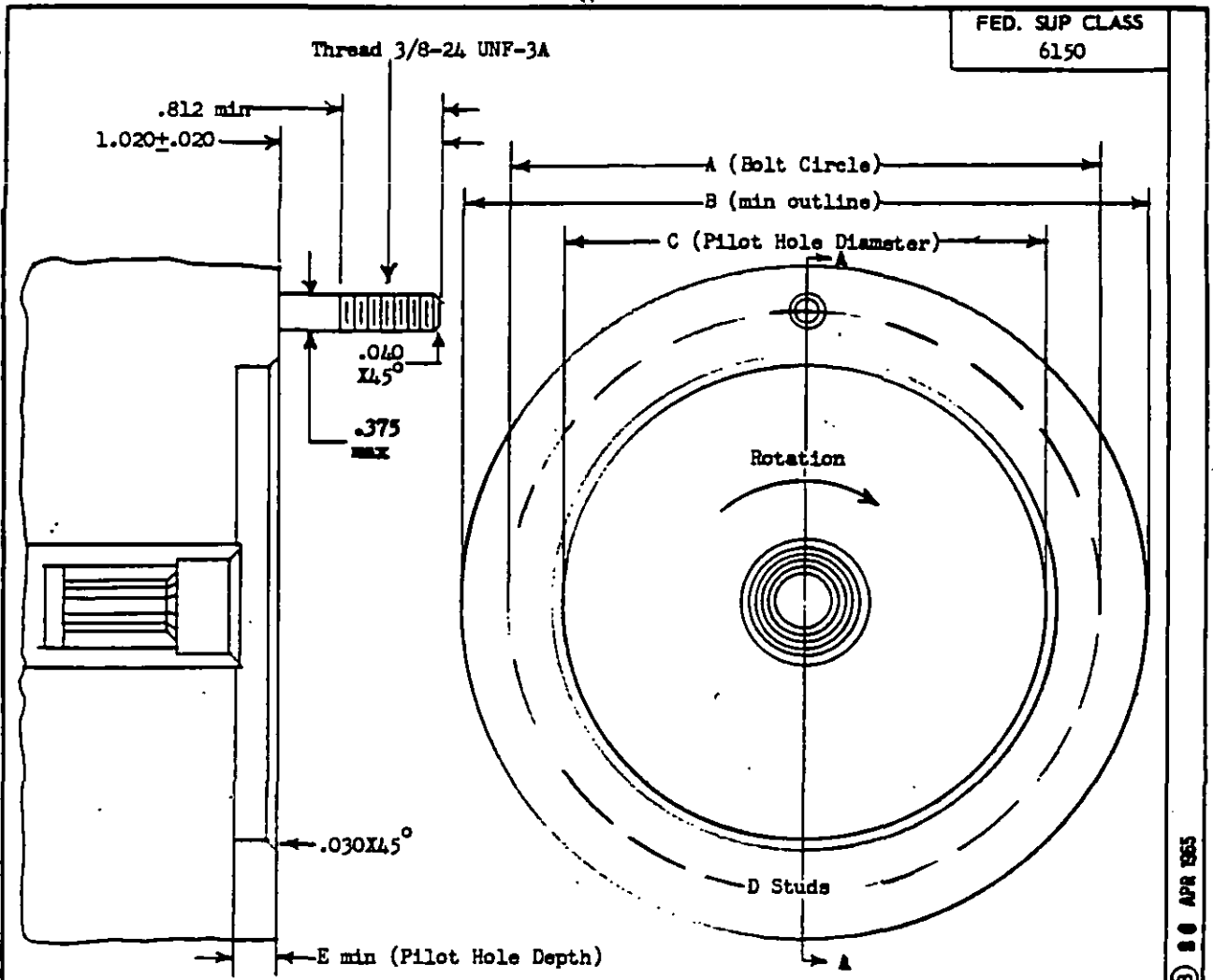


FED. SUP CLASS  
6150



Section A-A

Nominal Size	A	B	C	D	E	Supersedes
5-Inch	5.000	6.000	4.127 4.125	6	.312	AND20002
8-Inch	8.000	9.000	7.002 7.000	8	.220	-
10-Inch	10.000	11.000	9.003 9.000	12	.310	AND20006

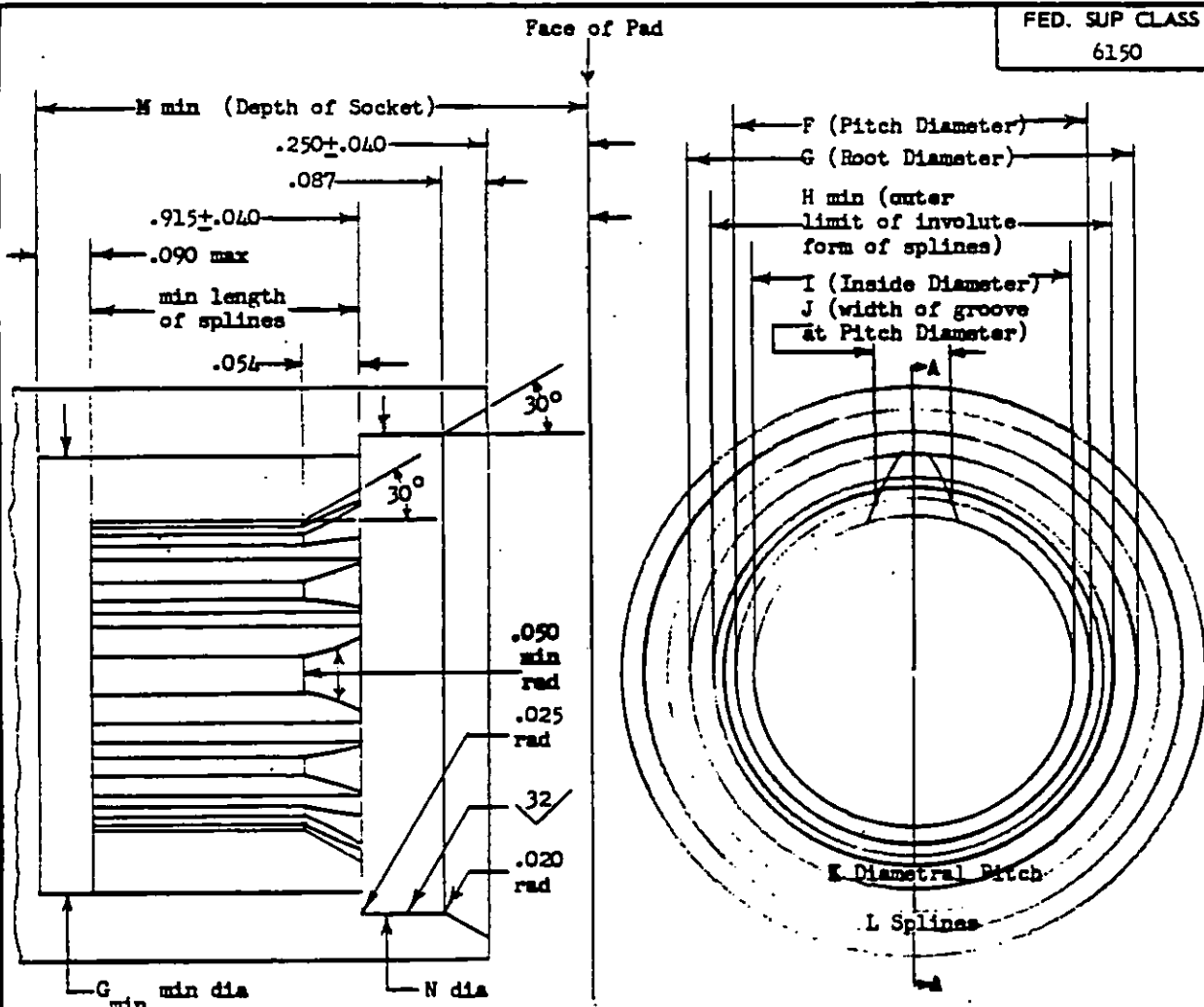
See Sheet 2 for Socket Details and Sheet 3 for Notes.

This standard is approved by the Bureau of Naval Weapons, Department of the Navy, and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 18 Oct 63 REVISED (A) 25 Jun 64 (B) 80 APR 1965

P.A. Navy - Wp Other Cust	TITLE DRIVE PADS FOR AIRCRAFT ELECTRIC EQUIPMENT, CIRCULAR, 5-, 8-, AND 10-INCH	MILITARY STANDARD
		MS18 054(WP)
Procurement Specification None	SUPERSEDES: AND20002 and AND20006 for BuWeps' use with electric equipment	SHEET 1 OF 3

FED. SUP CLASS  
6150



Section A-A

Nominal Size	F	G	H	I	J	K	L	M	N	Supersedes Nominal Size
3/4-Inch	.800	.902 .882	.873	.738 .733	.0819 .0789	20- 30	16- 30	1.825 1.940	1.0005 .9985	.800-Inch
1-Inch	1.200	1.308 1.288	1.273	1.138 1.133	.0819 .0789	20- 30	24- 30	1.940 2.245	1.3755 1.3735	1.200-Inch
1 1/4-Inch	1.625	1.756 1.736	1.700	1.567 1.562	.1011 .0981	16- 32	26- 32	2.245 2.550	1.8130 1.8110	1.625-Inch

Socket Details

See Sheet 3 for Notes.

This standard is approved by the Bureau of Naval Weapons, Department of the Navy, and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 18 Oct 63 REVISED (A) 25 Jun 64 (B) 8 APR 1965

P.A. Navy - Wp Other Cust	TITLE DRIVE PADS FOR AIRCRAFT ELECTRIC EQUIPMENT, CIRCULAR, 5-, 8-, AND 10-INCH	MILITARY STANDARD
		MS18 054(WP)
Procurement Specification None	SUPERSEDES: AND20002 and AND20006 for BuWeps' use with electric equipment	SHEET 2 OF 3

FED. SUP CLASS  
6150Notes.-

1. Dimensions.- All linear dimensions are in inches except roughness, which is in microinches. All tolerances unless otherwise specified are: linear  $\pm .010$ , angular  $\pm 5^\circ$ .
2. Finish.- All burrs and sharp edges shall be removed.
3. Studs.- Threads of studs shall conform to MIL-S-7742. The studs shall be uniformly spaced along the bolt circle, and each stud shall be within .007 circumferentially of its nominal position and within .007 radially of the center of the pilot hole diameter.
4. Socket Concentricity.-The center of the pitch diameter of the socket shall be concentric within .005 full indicator reading linearly, and within .001 inch/inch full indicator reading angularly, of the line perpendicular to the axis of the face of the flange and including the center of the pilot hole diameter.
5. Oil Leakage.- Oil leakage from the drive source into the pilot hole shall not exceed 3 cc per hour.
6. Splines.- Splines shall have a  $30^\circ$  pressure angle, a minimum surface hardness of 56 Rockwell C, and a minimum depth of effective case hardening of .010. Splines shall have involute form inside dimension H. Between dimensions G and H, splines shall not exceed involute form. Width of groove specified includes spacing and other errors.
7. Socket Seal.- The back end of the socket shall be sealed tightly enough to prevent loss of lubricant from the socket.
8. Specifying Data.- The specification and/or standard for the drive source on which the pad is to be provided must specify the following:
  - A. The nominal size of the pad.
  - B. The nominal size of the socket.
  - C. The maximum weight and overhung moment of the equipment which the pad shall be able to support.
  - D. The speed at which the socket shall be driven (the socket speed should be specified for a given drive source speed in real rpm, not percent rpm).
  - E. The maximum torque which the socket shall be able to provide (where applicable, short-term values as well as continuous values should be specified).
9. Supersession.- Each nominal size of pad supersedes the standard listed on Sheet 1 for BuWeps' use with electric equipment.
10. Kind of Standard.- This is a design standard, and is not to be used as a part number.

(B) Entire standard revised and redrawn to add 5- and 10-inch pads, Sheet 3 added.

This standard has been approved by the Bureau of Naval Weapons, Department of the Navy, and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

P.A. Navy - Wp	TITLE DRIVE PADS FOR AIRCRAFT ELECTRIC EQUIPMENT, CIRCULAR, 5-, 8-, AND 10-INCH	MILITARY STANDARD
Other Cust		MS 18 054(wp)
Procurement Specification None	SUPERSEDES: AND20002 and AND20006 for BuWeps' use with electric equipment	SHEET 3 OF 3

APPROVED 18 Oct 63 REVISED (A) 25 Jun 64 (B) 20 APR 1965