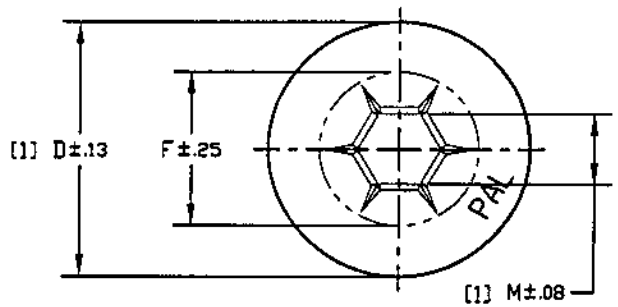
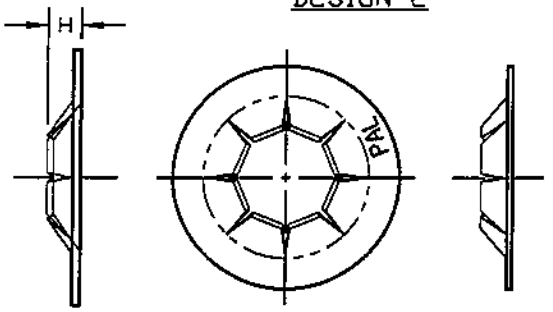
DWG PS-3 (METRIC)

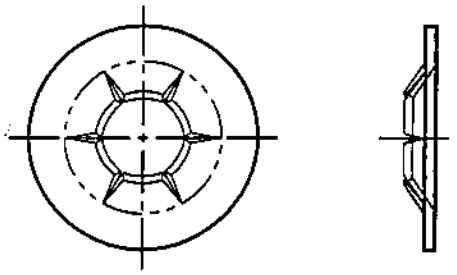
DESIGN 1



DESIGN 2



DESIGN 3



NOTE:
[1] CONCENTRICITY OF "M" TO "D" TO BE "N" T.I.R. MAX.

STUD, ROD OR WIRE DIA.	PALNUT PART NO.	OVERALL HEIGHT "H"	HEIGHT TOL.±	INSIDE WASHER DIA. "F"	OUTSIDE WASHER DIA. "D"	STEEL THICK.	HOLE DIA. "M"	DESIGN	T.I.R MAX "N"
3.2	PS320309	1.14	.13	5.79	9.5	.25	2.92	1	.20
4.0	PS040311	1.19	.13	8.13	11.1	.25	3.56	2	.22
5.0	PS050311	1.32	.13	8.12	11.1	.25	4.70	2	.22
6.0	PS060313	1.45	.13	9.85	13.5	.25	5.69	2	.25
8.0	PS080316	1.50	.18	11.58	15.9	.38	7.57	2	.30
10.0	PS100319	1.42	.18	12.57	19.1	.41	9.57	2	.30

OPTIMUM PERFORMANCE DEPENDS ON ADHERENCE TO THESE STUD, ROD OR WIRE SPECIFICATIONS.

1. MATERIAL MAY BE MILD STEEL, ALUMINUM, BRASS, ZINC, OR OTHER MALLEABLE METALS, OR PLASTICS WITH GOOD TENSILE STRENGTH AND TOUGHNESS.
2. SURFACE HARDNESS MUST NOT EXCEED ROCKWELL 30T-78.
3. RECOMMENDED DIAMETER TOLERANCE $^{+.05}_{-.08}$
4. ENDS MUST BE FREE OF DISTORTION OR BURRS. CHAMFER ENDS .8 x 45° FOR EASIER ASSEMBLY.
5. NICKEL, CHROMIUM OR OTHER HARD FINISHES ON STEEL OR DIE CAST STUDS ARE NOT RECOMMENDED.

Controlled copy must be in Red

ALL DIMENSIONS IN mm

DATE	REV	DESCRIPTION	BY
8/28/00	T	REDRAWN TO AUTOCAD 2000	MS
5/5/99	S	12.57 WAS 13.87 ON PS100319 PER EC #2057	KJD
4/21/97	R	CORRECTED MAT'L THK, ON PS100319 PER EC #978	BAD
6/19/96	P	REMOVED PS985319 PER EC #1441	BAD
6/19/96	N	REMOVED PS220306 PER EC #1437	BAD
8/2/93	M	REDRAWN TO CAD; ADDED 8.0 SIZE	DMF
10/31/85	L	PS 100319 MAT'L WAS .43 EC 583	G.L.
5/1/86	K	ADDED T.I.R. SPEC & NOTE	E.B.
5/14/85	J	HARDNESS WAS R 30N 58-68	C.L.
2/28/85	H	ADDED PART # PS220306 REL. 2/22/85	C.F.
8/18/82	G	PART PS100319 H.T. TOL WAS .13	ERN
7/21/82	F	PART # PS100319 REL. 7/1/82	A.S.

TINNERMAN PALNUT
ENGINEERED PRODUCTS, LLC

MATERIAL:
50 CARBON SPRING STEEL

HARDNESS: ROCKWELL 15N 80-85

PAL® PALNUT® DN SERT® PUSHNUT®

TITLE
PUSHNUT FASTENERS,
ROUND FLAT TYPE
STYLE "PS" FOR STUDS,
RODS OR WIRE LIGHT DUTY

DRAWN: C.L.	RELEASED	SCALE
DATE: 1/3/80	PART No: VARIOUS	NONE
CHECKED: CDCA 9.100	DWG No. PS-3 (METRIC)	
APPROVED: 9/11/00		