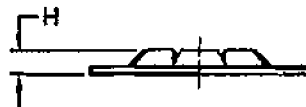
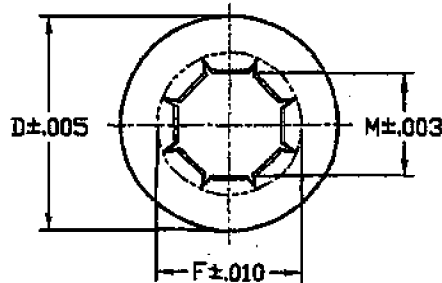


WHERE THE STUD SIZE IS SHOWN IN INCHES OR MILLIMETERS, ALL DIMENSIONS ON THAT LINE ARE ALSO IN INCHES OR MILLIMETERS.



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

1. MATERIAL MAY BE MILD STEEL, ALUMINUM, BRASS, ZINC OR OTHER MALLEABLE METAL.
2. SURFACE HARDNESS MUST NOT EXCEED ROCKWELL 30T-78.
3. RECOMMENDED DIAMETER TOLERANCE  $+ .002$   
 $- .003$ .
4. ENDS MUST BE FREE OF DISTORTION OR BURRS. CHAMFER  $1/32$ " x  $45^\circ$  FOR EASIER ASSEMBLY.
5. NICKEL, CHROMIUM OR OTHER HARD FINISHES ON STEEL STUDS ARE NOT RECOMMENDED.
6. NICKEL-CHROMIUM PLATING ON DIE CAST STUDS MUST NOT EXCEED .003 THICKNESS. THIS FINISH IS NOT RECOMMENDED ON STUDS.

TOLERANCE CONVERSION

ENGLISH	METRIC
.002	.05
.003	.076
.005	.127
.010	.254
1/32	.794

DECIMAL EQUIV. INCHES	STUD, ROD OR WIRE DIA.		PALNUT PART NO.	SERIES	OVERALL HEIGHT "H"	HEIGHT TOL.±	INSIDE WASHER DIA. "D"	OUTSIDE WASHER DIA. "D"	STEEL THICK.	HOLE DIA. "M"	
	INCH	MM									
.125	1/8	-	PS125306	LIGHT	.045	.005	.228	.375	.009	.115	EQUIVALENT
	-	3.2	-	LIGHT	1.14	.13	5.79	9.5	.23	2.92	
.125	1/8	-	PS125006	MEDIUM	.052	.005	2.28	.375	.013	.115	EQUIVALENT
	-	3.2	-	MEDIUM	1.32	.13	5.79	9.5	.33	2.92	
.156	5/32	-	PD156307	LIGHT	.047	.005	.320	.437	.010	.140	EQUIVALENT
.157	-	4.0	-	LIGHT	1.19	.13	8.13	11.1	.25	3.56	EQUIVALENT
	.156	5/32	-	PD156007	MEDIUM	.058	.005	.320	.437	.013	
-	-	4.0	-	MEDIUM	1.47	.13	8.13	11.1	.33	3.56	EQUIVALENT
.188	3/16	-	PS188307	LIGHT	.056	.005	.320	.437	.010	.175	EQUIVALENT
.188	3/16	-	PS188007	MEDIUM	.064	.005	.320	.437	.015	.175	EQUIVALENT
.196	-	5.0	PS196011	LIGHT	1.33	.13	8.13	11.1	.25	4.70	EQUIVALENT
.196	-	5.0	PS196011	MEDIUM	1.52	.13	8.13	11.1	.38	4.70	EQUIVALENT
.250	1/4	-	PS250385	LIGHT	.057	.005	.388	.531	.012	.236	EQUIVALENT
	-	6.0	-	LIGHT	1.50	.18	11.58	15.9	.38	7.51	
.312	5/16	-	-	MEDIUM	.070	.007	.456	.625	.021	.298	EQUIVALENT
.315	-	8.0	PS080016	MEDIUM	1.78	.18	11.58	15.9	.53	7.57	EQUIVALENT
.375	3/8	-	PS375312	LIGHT	.061	.007	.546	.750	.017	.360	EQUIVALENT
.375	3/8	-	PS375012	HEAVY	.081	.007	.546	.750	.027	.360	EQUIVALENT
.394	-	10.0	PS100319	LIGHT	1.37	.18	12.99	19.0	.43	9.57	EQUIVALENT
.394	-	10.0	PS100019	HEAVY	1.88	.18	13.87	19.0	.68	9.57	EQUIVALENT
.438	7/16	-	PS438014	-	.097	.007	.638	.875	.030	.422	EQUIVALENT
	-	11.0	-	-	2.46	.18	16.20	22.25	.76	10.72	
.500	1/2	-	PS500016	-	.112	.007	.730	1	.035	.482	EQUIVALENT
	-	13.0	-	-	2.72	.18	18.54	25.4	.89	12.55	

**CONTROLLED**  
Controlled copy must be in Red

T INNERMAN P ALNUT  
ENGINEERED PRODUCTS, INC  
MONTAGSIDE NJ

PAL® PALNUT® ON SERT® PUSHNUT®

TITLE  
PUSHNUT FASTENERS,  
ROUND FLAT TYPE,  
STYLE PS & PD  
FOR STUDS, ROD OR WIRE

DATE	REV	DESCRIPTION	BY
4/7/05	F	REMOVED P/N PS060313 PER EDC657	TL
3/17/05	E	REMOVED P/N PS250085 PER EDC643	H.V.
2/18/05	D	REMOVED P/N PS060013 PER EDC639	H.V.
6/14/04	C	REMOVED P/N PS312310 PER EDC599	H.V.
6/14/04	B	INSIDE WASHER DIA WAS CHANGED TO 9.85. HOLE DIAMETER WAS CHANGED TO 5.69 FOR PART PS060313 PER EDC 595	H.V.
9/19/00	A	REDRAWN TO AUTOCAD 2000	MS
6/11/99		REDRAWN TO CAD PART PS100319 12.99 WAS 13.87	BAJ
12/4/86		PS312310- 298 WAS 285	EJD

MATERIAL:  
CARBON SPRING STEEL-SAE1050

HARDNESS: ROCKWELL 30N 58-68  
TOLERANCES, UNLESS SPECIFIED:  
mm ±.38  
in ±.015

DRAWN	CL	RELEASED	SCALE
DATE	6/5/75	PART No. VARIOUS	NONE
CHECKED	BA	DWG No.	
APPROVED	BA		

PS-PD