

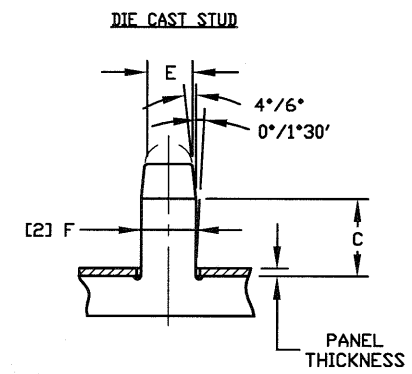
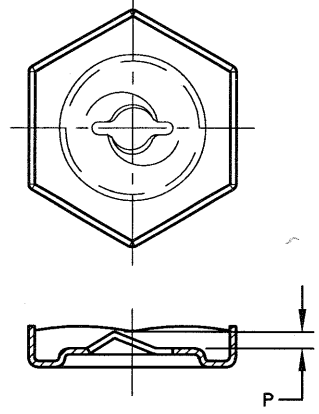
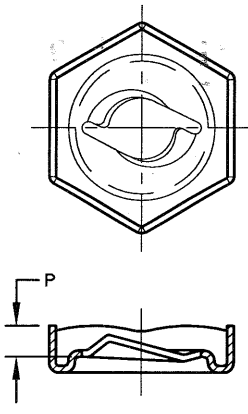
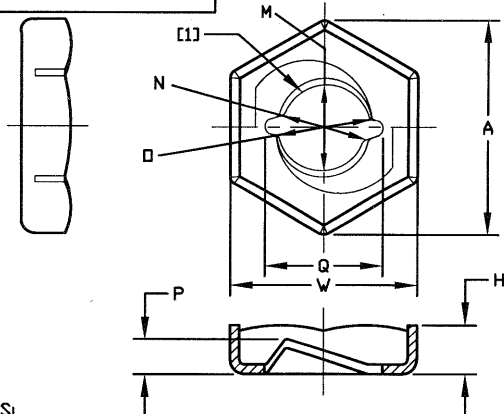
DWG SR-METRIC

DESIGN #1

DESIGN #2

DESIGN #3

ASSEMBLY EFFICIENCY DEPENDS ON ADHERENCE TO STUD SPECIFICATIONS.



- NOTES:
- FORMED HOLE M, N, D (M, D IN LINE WITH HEX CORNERS, N AT TIPS OF TEETH).
  - DIAMETER OF STUD INCLUDING PLATING WITHIN LENGTH 'C'
  - CONDITIONS OF ASSEMBLY PERFORMANCE:  
NUT TORQUED BY HAND ON PLAIN COLD DRAWN STEEL STUD (HARDNESS R30T 74-82)  
AGAINST PLAIN STEEL WASHER (HARDNESS R30T 78-82).
  - WHEN NUT FINISH IS PHOSPHATED AND OIL, MIN. TIGHTENING TORQUE WILL BE 85% OF FIGURES ABOVE.

- DIE CAST STUD: NICKEL-CHROMIUM PLATING MUST NOT EXCEED .080 THICKNESS ALONG STUD.
- STUD FABRICATED FROM WIRE: SURFACE HARDNESS MUST NOT EXCEED ROCKWELL B-80.
- STEEL STUDS: NICKEL, CHROMIUM OR OTHER HARD FINISHES ARE NOT RECOMMENDED.

\* TO BE DEVELOPED.

NOMINAL STUD SIZE F	PALNUT PART NO.	CUSTOMER PART NO.	DESIGN NO.	HEX		H	M	N	D	P	Q	STEEL THICK.	STUD DIMENSIONS		ASSEMBLY PERFORMANCE ON COLD DRAWN STEEL			
				W	A								C	E	MAX. THREADING TORQUE (Nm)	TIGHTENING TORQUE (Nm)	MIN. CLAMPING (Nm)	MIN. ULTIMATE TORQUE (Nm)
3.2	SR320007		1	7.00/6.85	8.09/7.81	2.50/2.24	2.77/2.67	3.07/2.90	3.23/3.05	1.12/.91	4.95/4.45	.36	3.2	2.5/1.5	.80	1.10	580	1.45
3.2	SR320008		1	8.00/7.85	9.24/8.92	2.90/2.40	2.95/2.85	2.92/2.74	3.20/3.02	1.70/1.50	5.72/5.12	.41	3.2	2.5/1.5	.80	1.80	670	2.20
3.0	SR030008		1	8.00/7.85	9.24/8.92	2.90/2.40	2.85/2.67	2.74/2.57	3.02/2.84	1.70/1.50	6.08/5.07	.41	3.0	2.3/1.5	.80	1.80	670	2.20
4.0	SR040009		1	9.00/8.82	10.40/10.04	3.00/2.50	3.73/3.63	3.66/3.48	4.11/3.94	1.62/1.42	6.22/5.72	.41	3.2	3.0/2.0	.90	2.80	900	3.20
5.0	SR050010		1	10.00/9.83	11.55/11.15	3.00/2.50	4.60/4.50	4.85/4.67	5.03/4.85	1.42/1.32	7.04/6.53	.48	4.0	3.7/2.7	1.13	3.40	1070	3.90
5.0	SR050013		1	13.00/12.80	15.02/14.50	3.60/3.10	4.70/4.60	4.60/4.42	5.05/4.88	2.54/2.33	8.26/7.75	.46	4.0	3.7/2.7	1.13	4.30	1070	5.0
6.3	SR630013		1	13.00/12.80	15.02/14.50	3.65/3.15	5.94/5.84	5.82/5.64	6.38/6.20	2.51/2.31	8.26/7.75	.64	4.0	4.6/3.6	3.40	9.60	1780	12.40
8.0	SR080016		1	16.00/15.80	18.48/17.84	4.06/3.56	7.52/7.42	7.70/7.52	8.03/7.84	3.10/2.90	12.32/11.81	.53	4.8	5.6/4.6	4.30	13.60	2225	18.10
10.0	SR100017		1	17.00/16.80	19.64/18.96	4.95/4.45	9.65/9.55	9.75/9.58	10.36/10.19	2.71/2.51	13.76/12.75	.66	4.8	7.6/6.6	*	*	*	*

DATE	REV	DESCRIPTION	BY
10/11/04	B	DIMENSION 'P' ADJUSTED AND ADDED DIMENSION 'H' ON DRAWING PER ECD0552	H.W.
8/30/00	A	REDRAWN TO AUTOCAD 2000	MS
7/28/99		SR030008 2.67/2.85 WAS 2.52/2.70 PER ECD #0020; REDRAWN TO CAD	K.A.D.
9/25/87		SR050010 CORRECTED .48 THK. ERROR	C.E.
9/23/87		SR050010 MAT'L THICK. WAS .51 ECN 584	C.E.
11/5/86		SR030008 MAT'L THK. WAS .43 PER EC #584	R.A.S.
11/5/86		SR320007 MAT'L THK. WAS .38 PER EC #584	R.A.S.
11/5/86		SR320008 MAT'L THK. WAS .43 PER EC #584	R.A.S.
11/5/86		SR050010 MAT'L THK. WAS .51 PER EC #584	R.A.S.
11/5/86		SR050018 MAT'L THK. WAS .48 PER EC #584	R.A.S.
11/5/86		SR040009 MAT'L THK. WAS .43 PER EC #584	R.A.S.
11/5/86		SR630013 MAT'L THK. WAS .66 PER EC #584	R.A.S.
11/5/86		SR100017 MAT'L THK. WAS .69 PER EC #584	R.A.S.
6/17/86		THICK. .08 WAS .003; UNITS Nm, N WERE in-lbs., lbs. RESPECTIVELY	R.A.S.
5/9/86		ADDED SR030008; SR100017	D.B.

**TINNERMAN PALNUT**  
ENGINEERED PRODUCTS, LLC  
MOUNTAINSIDE, NJ

MATERIAL:  
50 CARBON SPRING STEEL

HARDNESS: ROCKWELL 30N 60-70

PAL® PALNUT® ON SERT® PUSHNUT®

TITLE  
PALNUT SELF THREADING NUT  
REGULAR TYPE STYLE 'SR'

DRAWN: RM	RELEASED	SCALE
DATE: 2/10/86	PART No: VARIOUS	NONE
CHECKED:	DWG No.	
APPROVED:	<b>SR-METRIC</b>	