



DASH NUMBER	THREAD SIZE	ØA MAX	ØB MIN	C MIN	H MAX	P MAX	S MIN	V MIN	W		X	AXIAL STRENGTH LBS. MIN	WEIGHT LBS/100 MAXIMUM
									MAX	MIN			
440	.112-40 UNJC-3B	.206	.176	.171	.125	.142	.050	.010	.157	.150	.003	966	.03
632	.138-32 UNJC-3B	.244	.214	.207	.141	.168	.055	.010	.189	.181	.003	1,450	.04
832	.164-32 UNJC-3B	.290	.260	.242	.188	.194	.060	.015	.220	.212	.003	2,240	.08
1032	.190-32 UNJF-3B	.330	.292	.277	.188	.220	.065	.015	.251	.243	.003	3,200	.10
428	.250-28 UNJF-3B	.420	.386	.347	.219	.280	.090	.023	.313	.305	.003	5,820	.20
524	.312-24 UNJF-3B	.520	.482	.419	.266	.342	.120	.023	.376	.367	.004	9,290	.34
624	.375-24 UNJF-3B	.620	.575	.491	.282	.405	.125	.030	.439	.430	.004	11,000	.45
720	.437-20 UNJF-3B	.725	.690	.631	.328	.477	.130	.080	.564	.555	.005	14,800	.90
820	.500-20 UNJF-3B	.826	.786	.703	.328	.540	.078	.085	.627	.620	.005	20,000	1.29

- MATERIAL: 6AL-4V TITANIUM ALLOY PER AMS 4928.
- FINISH: PLAIN.
- LUBRICANT: WHEN SPECIFIED - DRY FILM LUBRICANT.
- LOCKING TORQUE: LUBRICATED NUTS - PER SPS-N-578 WHEN TESTED ON A FULL PITCH DIAMETER TITANIUM STUD.
NON-LUBRICATED NUTS - TORQUE REQUIREMENTS ARE NOT APPLICABLE TO NUTS WITHOUT LUBRICANT.
- BEARING SQUARENESS: WHEN MEASURED IN ACCORDANCE WITH SPS-G-1001.
- DIMENSIONS ARE BEFORE LUBRICATION.
- DIMENSIONS ARE IN INCHES.
- MINIMUM GO THREAD GAGE PENETRATION SHALL BE 3/4 REVOLUTION.
- PART NUMBER: THE PART NUMBER CONSISTS OF THE BASIC PART NUMBER AND A DASH NUMBER.
THE BASIC PART NUMBER IS FNT12
THE DASH NUMBER DESIGNATES THE DIAMETER AND THREAD
ADD "M" TO THE PART NUMBER TO DESIGNATE DRY FILM LUBRICANT
ADD "X" TO THE PART NUMBER TO DESIGNATE NUTS WITHOUT LUBRICANT
EXAMPLE: FNT12M-1032 = .190-32 UNJF-3B NUT WITH DRY FILM LUBRICANT
- DESIGN AND USAGE LIMITATIONS: THE ULTIMATE TENSILE STRENGTH IS BASED ON 160 KSI AND THE CROSS SECTIONAL AREA AT THE TENSILE STRESS AREA OF THE THREAD FOR .312 DIAMETER AND SMALLER FOR .375 AND LARGER TENSILE STRENGTH IS BASED ON 125 KSI AND THE TENSILE STRESS AREA. THESE NUTS ARE DESIGNED TO BE USED ON CLASS 3A EXTERNAL THREADS WITHIN THE LIMITATIONS OF MS33588.
- THIS DRAWING TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.
- PART NUMBERS OTHER THAN LISTED ON THIS DRAWING SHALL NOT BE USED.

INFORMATION ON THIS DOCUMENT IS A TRADE SECRET, PROPRIETARY, AND SHALL NOT BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SPS TECHNOLOGIES.

TOLERANCES ±.010 AND ±2° SURFACE ROUGHNESS 125 UNLESS OTHERWISE NOTED	THIS PRODUCT DRAWING IS DRAFTED IN ACCORDANCE WITH ASME Y14.5M DATE: 10/03/91		FSCM NO. 56878 CUSTODIAN: JENKINTOWN, PA.	STANDARDS AND SPECIFICATIONS SPS-N-578
DRAWN BY: STEVE FOSTER APPROVED: M ZATAVESKI APPROVED: S HUTCHINSON	DATE: 3/14/01		TITLE NUT, HEXAGON, SELF-LOCKING FEATHERWEIGHT, TITANIUM 450°F, 160 KSI, 125 KSI	PART NUMBER: FNT 12