

FED. SUPPLY CLASS

5310

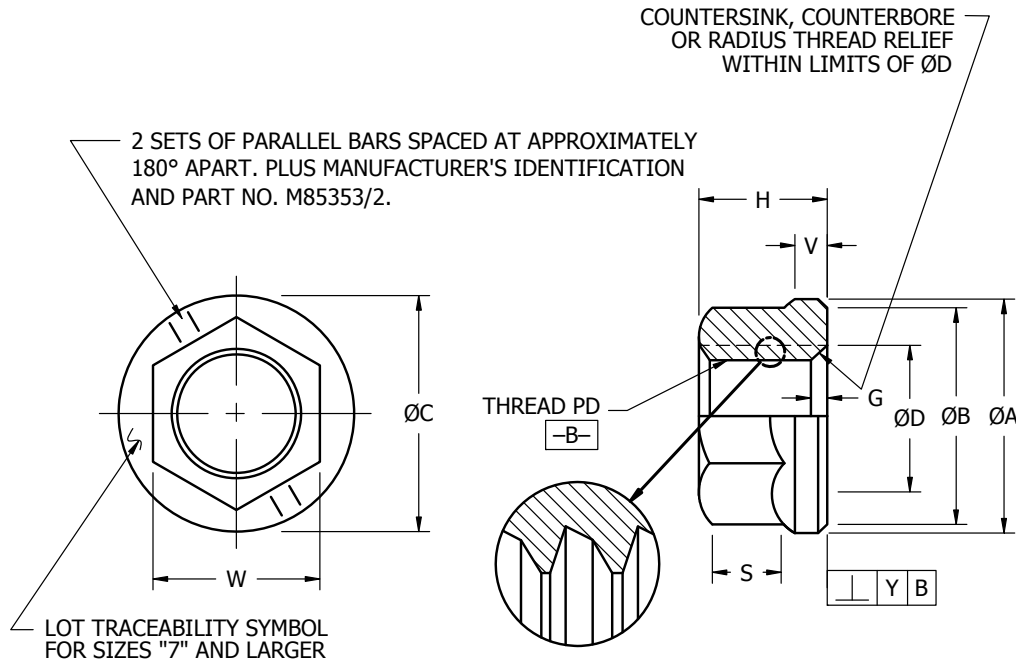


TABLE I – DIMENSIONS AND CHARACTERISTICS

PART SIZE	THREAD DESIGNATION UNJS-3B	ØA MAX	ØB MIN	ØC MIN	ØD +.000 -.030	G +.010 -.000	H MAX	S MIN	(V)	W		Y FIM	AXIAL TENSILE STRENGTH LBF MIN	SEATING TORQUE IN-LBF MIN	APPROX WEIGHT LBS/100
										MAX	MIN				
02	.0860-56	.167	.137	.138	.096	.015	.095	.045	.020	.127	.122	.003	440	2.5	.02
04	.1120-40	.206	.176	.171	.127	.015	.125	.050	.025	.158	.150	.003	750	7	.04
06	.1380-32	.244	.214	.207	.168	.025	.141	.055	.032	.190	.181	.003	1,130	15	.07
08	.1640-32	.290	.260	.244	.194	.025	.170	.060	.035	.221	.213	.003	1,720	30	.11
3	.1900-32	.330	.292	.277	.220	.025	.188	.065	.035	.252	.243	.003	2,460	40	.18
4	.2500-28	.420	.386	.347	.280	.025	.219	.090	.045	.316	.304	.003	4,580	95	.30
5	.3125-24	.520	.482	.419	.342	.025	.266	.120	.050	.378	.367	.003	7,390	175	.55
6	.3750-24	.620	.575	.491	.405	.025	.282	.125	.060	.440	.430	.003	11,450	325	.76
7	.4375-20	.720	.690	.562	.468	.025	.328	.160	.070	.504	.494	.005	15,450	600	1.26
8	.5000-20	.820	.786	.633	.530	.030	.480	.220	.080	.566	.558	.005	21,110	1,000	2.07
9	.5625-18	.922	.877	.775	.592	.035	.540	.240	.090	.692	.680	.005	26,810	1,400	3.26
10	.6250-18	1.027	.982	.846	.655	.035	.600	.250	.105	.755	.743	.006	34,130	1,900	4.15

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-N-85353/2, REVISION A, AMENDMENT 1. PART NUMBERS REMAIN M85353/2.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NASM85353	TITLE NUT, PRELOAD LOCKING, EXTENDED WASHER, HEXAGON, REDUCED HEIGHT, CRES, 125 KSI, 450 °F AND 1,200 °F	CLASSIFICATION PART STANDARD NASM85353/2

MATERIAL:

A286 CRES (UNS S66286) PER AMS5732 OR AMS5737.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS2759:
160 KSI F_{tu} MIN.

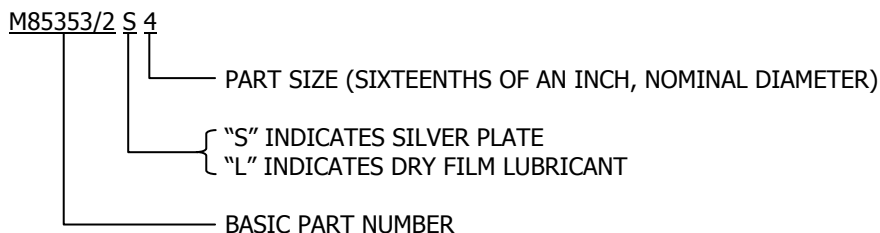
FINISH:

PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, CLASS 4.
SILVER PLATE IN ACCORDANCE WITH AMS2410 (FOR 1,200 °F NUTS).

LUBRICATION:

DRY FILM LUBRICANT IN ACCORDANCE WITH MIL-PRF-4610 AS5272, TYPE I OR EQUIVALENT (FOR 450 °F NUTS).

EXAMPLE OF PART NUMBER:



NOTES:

- (1) THESE NUTS ARE INTENDED FOR USE IN APPLICATIONS WITH BOLTS HEAT TREATED TO THE SAME HEAT TREAT LEVEL AS THE MATING NUT, WITH THREADS CONFORMING TO AS8879.
- (2) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (3) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS ± .010.
- (4) REMOVE ALL BURRS AND SHARP EDGES.
- (5) THE NUT IS MANUFACTURED UNDER PATENT NUMBER 4023914 WHICH EXPIRES IN 1995. THE GOVERNMENT DOES NOT HAVE A ROYALTY-FREE LICENSE.
- (6) SURFACE TEXTURE: BEARING SURFACE, 32 MICROINCHES Ra; ALL OTHER SURFACES, 125 MICROINCHES Ra PER ASME B46.1.
- (7) CONCENTRICITY: "ØA" AND "ØB" SHALL BE CONCENTRIC TO THREAD WITHIN .012 FIM.
- (8) BEARING SURFACE: SHALL BE PERPENDICULAR TO THREAD WITHIN "Y" VALUES.

REVISION
1
NAS85353/2
SHEET 2