

RATIONALE

THIS NUT-SPANNER IS A PHOSPHATE TREATED VERSION OF AS172236 THRU AS172270.

SAE AS6140

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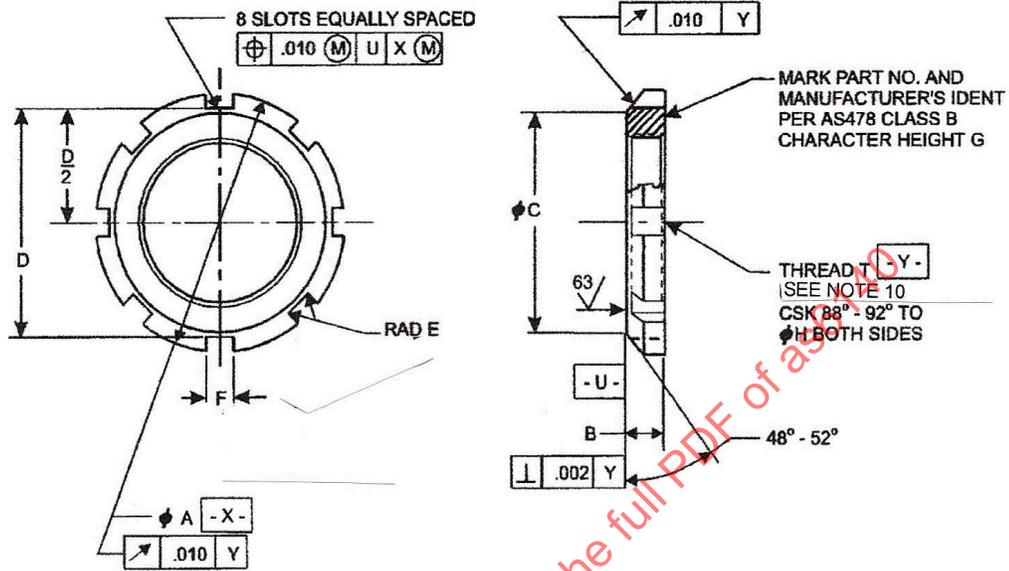
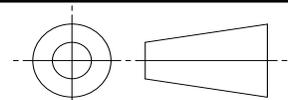


FIGURE 1 - NUT

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THIRD ANGLE PROJECTION



ISSUED 2010-08

CUSTODIAN: E25

PROCUREMENT SPECIFICATION: NONE

**SAE Aerospace**  
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**AEROSPACE STANDARD**  
NUT, SPANNER  
BEARING RETAINING, PHOSPHATE TREATED  
AERONAUTICAL, UNS G41400

**SAE AS6140**  
SHEET 1 OF 4

TABLE 1A-PARTNUMBERS AND DIMENSIONS

PART NUMBER	NOMINAL BEARING DIA REF	THREAD T /10/				ØA	B
		THREAD DESIGNATION	MINOR DIA	PITCH DIA	MAJOR DIA		
AS6140-01	.3937	.3910-32 UNJS-3B	.3606-3649	.3707-.3733	.391	.704-.724	.173-.193
AS6140-02	.4724	.4690-32 UNJS-3B	.4386-4429	.4487-4513	.469	.797-.817	.173-.193
AS6140-03	.5906	.5860-32 UNJS-3B	.5556-.5599	.5657-.5687	.586	.923-.943	.209-.229
AS6140-04	.6693	.6640-32 UNJS-3B	.6336-.6366	.6437-.6467	.664	1.047-1.067	.209-.229
AS6140-05	.7474	.7810-32 UNJS-3B	.7506-.7540	.7607-.7641	.781	1.173-1.193	.240-.260
AS6140-06	.9843	.9690-32 UNJS-3B	.9386-.9420	.9487-.9521	.969	1.360-1.380	.240-.260
AS6140-07	1.1811	1.1730-18 UNJS-3B	1.1189-1.1230	1.1369-1.1409	1.173	1.673-1.693	.271-.291
AS6140-08	1.3780	1.3760-18 UNJS-3B	1.3219-1.3260	1.3399-1.3439	1.376	1.891-1.911	.271-.291
AS6140-09	1.5748	1.5630-18 UNJS-3B	1.5089-1.5134	1.5269-1.5314	1.563	2.079-2.099	.271-.291
AS6140-10	1.7717	1.7670-18 UNJS-3B	1.7129-1.7174	1.7309-1.7354	1.767	2.297-2.317	.302-.322
AS6140-11	1.9685	1.9670-18 UNJS-3B	1.9129-1.9174	1.9309-1.9354	1.967	2.485-2.505	.302-.322
AS6140-12	2.1654	2.1570-18 UNJS-3B	2.1029-2.1080	2.1209-2.1260	2.157	2.735-2.755	.302-.322
AS6140-13	2.3622	2.3600-18 UNJS-3B	2.3059-2.3110	2.3239-2.3290	2.360	2.923-2.943	.334-.354
AS6140-14	2.5591	2.5480-18 UNJS-3B	2.4939-2.4990	2.5119-2.5170	2.548	3.110-3.130	.334-.354
AS6140-15	2.7559	2.7510-18 UNJS-3B	2.6969-2.7020	2.7149-2.7200	2.751	3.329-3.349	.334-.354
AS6140-16	2.9528	2.9330-12 UNJS-3B	2.8518-2.8572	2.8789-2.8843	2.933	3.673-3.693	.365-.385
AS6140-17	3.1496	3.1370-12 UNJS-3B	3.0558-3.0617	3.0829-3.0888	3.137	3.891-3.911	.365-.385
AS6140-18	3.3465	3.3400-12 UNJS-3B	3.2588-3.2662	3.2859-3.2933	3.340	4.110-4.130	.365-.385
AS6140-19	3.5433	3.5270-12 UNJS-3B	3.4458-3.4532	3.4729-3.4803	3.527	4.297-4.317	.365-.385
AS6140-20	3.7402	3.7300-12 UNJS-3B	3.6488-3.6562	3.6759-3.6833	3.730	4.516-4.536	.396-.416
AS6140-21	3.9370	3.9180-12 UNJS-3B	3.8368-3.8442	3.8639-3.8713	3.918	4.704-4.724	.396-.416
AS6140-22	4.1339	4.1220-12 UNJS-3B	4.0408-4.0491	4.0679-4.0762	4.122	4.891-4.911	.396-.416
AS6140-23	4.3307	4.3250-12 UNJS-3B	4.2438-4.2521	4.2709-4.2792	4.325	5.110-5.130	.396-.416

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TABLE 1B - PART NUMBERS AND DIMENSIONS (CONTINUED)

PART NUMBER	E	F	G	ØH	ØC	D	APPROX MASS LBS
AS6140-01	.000 - .020	.115 - .135	.030 - .090	.391 - .411	.511-.531	.584-.604	.010
AS6140-02	.000 - .020	.115 - .135	.030 - .090	.469 - .489	.605-.625	.678-.698	.014
AS6140-03	.000 - .020	.115 - .135	.030 - .090	.586 - .606	.730-.750	.802-.822	.021
AS6140-04	.000 - .020	.115 - .135	.030 - .090	.664 - .684	.855-.875	.928-.948	.028
AS6140-05	.005 - .025	.178 - .198	.030 - .090	.781 - 801	.980-1.000	1.052-1.072	.036
AS6140-06	.005 - .025	.178 - .198	.030 - .090	.969 - .989	1.168-1.188	1.240-1.260	.045
AS6140-07	.005 - .025	.178 - .198	.050 - .110	1.173 - 1.193	1.418-1.438	1.490-1.510	.055
AS6140-08	.005 - .025	.178 - .198	.050 - .110	1.376 - 1.396	1.636-1.656	1.709-1.729	.067
AS6140-09	.010 - .030	.240 - .260	.050 - .110	1.563 - 1.583	1.824-1.844	1.896-1.916	.074
AS6140-10	.010 - .030	.240 - .260	.090 - .150	1.767 - 1.787	2.042-2.062	2.115-2.135	.134
AS6140-11	.010 - .030	.240 - .260	.090 - .150	1.967 - 1.987	2.230-2.250	2.302-2.322	.144
AS6140-12	.010 - .030	.240 - .260	.090 - .150	2.157 - 2.177	2.480-2.500	2.552-2.572	.180
AS6140-13	.010 - .030	.240 - .260	.090 - .150	2.360 - 2.380	2.668-2.688	2.740-2.760	.211
AS6140-14	.010 - .030	.240 - .260	.090 - .150	2.548 - 2.568	2.855-2.875	2.928-2.948	.226
AS6140-15	.010 - .030	.240 - .260	.090 - .150	2.751 - 2.771	3.074-3.094	3.146-3.166	.252
AS6140-16	.015 - .035	.365 - .385	.090 - .150	2.933 - 2.953	3.355-3.375	3.428-3.448	.371
AS6140-17	.015 - .035	.365 - .385	.090 - .150	3.137 - 3.157	3.574-3.594	3.649-3.666	.405
AS6140-18	.015 - .035	.365 - .385	.090 - .150	3.340 - 3.360	3.792-3.812	3.865-3.885	.440
AS6140-19	.015 - .035	.365 - .385	.090 - .150	3.527 - 3.547	3.980-4.000	4.052-4.072	.464
AS6140-20	.015 - .035	.365 - .385	.090 - .150	3.730 - 3.750	4.199-4.219	4.271-4.291	.546
AS6140-21	.015 - .035	.365 - .385	.090 - .150	3.918 - 3.938	4.386-4.406	4.459-4.479	.572
AS6140-22	.020 - .040	.490 - .510	.090 - .150	4.122 - 4.142	4.574-4.594	4.646-4.666	.577
AS6140-23	.020 - .040	.490 - .510	.090 - .150	4.325 - 4.345	4.792-4.812	4.865-4.885	.620

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	NUT, SPANNER BEARING RETAINING, PHOSPHATE TREATED AERONAUTICAL, UNS G41400		