SAE Aerospace
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AEROSPACE STANDARD

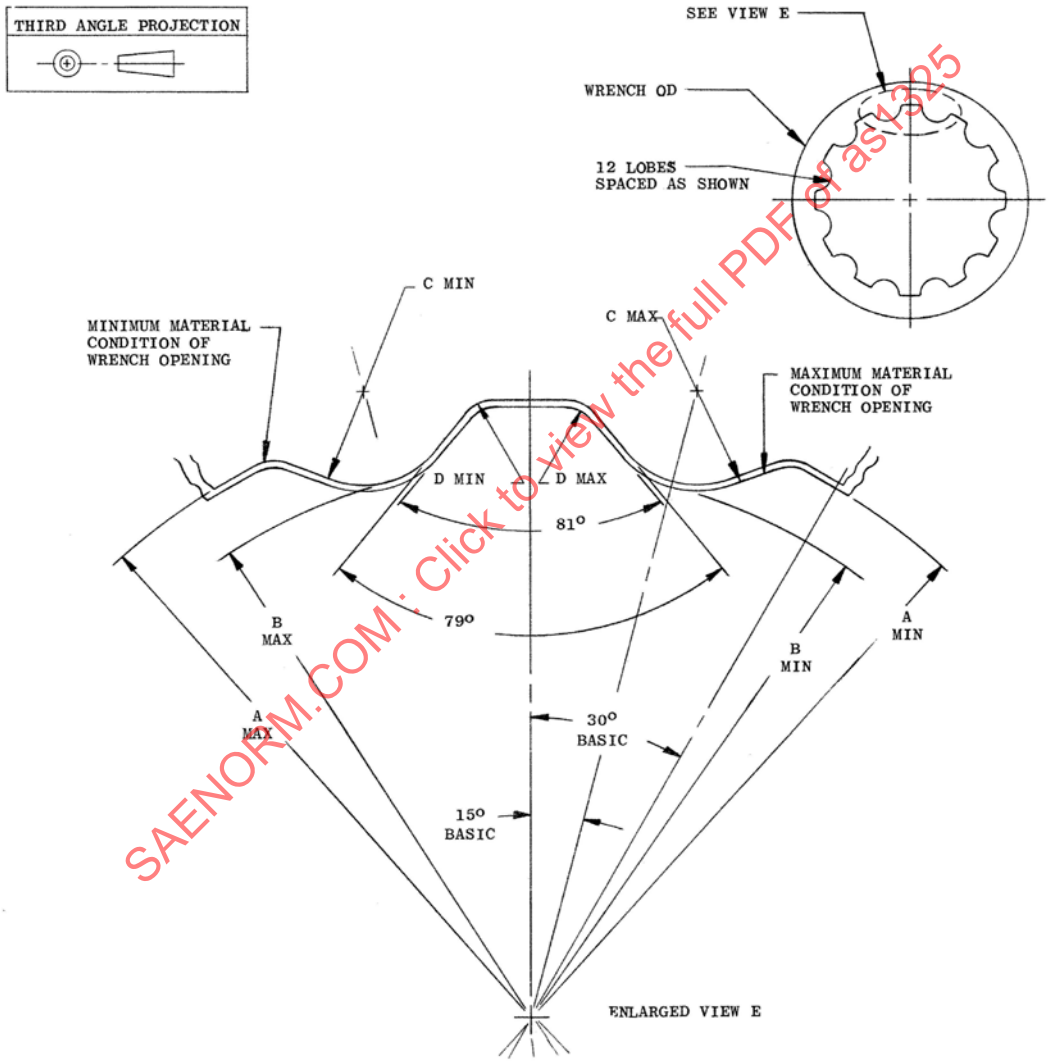
SAE AS1325

Issued 1973-09
Reaffirmed 2012-11

Wrench Configuration, 12 Lobed Drive

RATIONALE

AS1325 has been reaffirmed to comply with the SAE five-year review policy.



VARIATIONS IN SIZE, FORM, AND POSITION OF THE 12 LOBES ARE PERMITTED, PROVIDING THE ACTUAL PROFILE FALLS WITHIN THE MAXIMUM AND MINIMUM MATERIAL CONDITIONS SHOWN.

TOOLS CONFORMING TO THIS STANDARD WILL WRENCH FASTENERS HAVING WRENCHING CONFIGURATIONS PER: AS 1159 LOBED, AS 870 DOUBLE HEXAGON, OR ASCC AIR STANDARD 17/2C HEXAGON.

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SAE values your input. To provide feedback on this Technical Report, please visit
http://www.sae.org/technical/standards/AS1325

TABLE I INCHES
(U.S. CUSTOMARY UNITS)

DASH NO.	NOMINAL WRENCHING SIZE SEE NOTE	MINIMUM MATERIAL CONDITION				MAXIMUM MATERIAL CONDITION			
		A DIA MAX	B DIA MAX	C RAD MIN	D RAD MIN	A DIA MIN	B DIA MIN	C RAD MAX	D RAD MAX
06	.1875	.229	.202	.015	.005	.225	.199	.019	.010
07	.2188	.265	.234	.018	.005	.261	.231	.022	.010
08	.2500	.301	.266	.020	.005	.297	.263	.024	.010
10	.3125	.375	.333	.025	.010	.370	.329	.029	.015
12	.3750	.446	.397	.030	.010	.441	.393	.034	.015
14	.4375	.519	.462	.035	.015	.514	.458	.039	.020
16	.5000	.592	.528	.040	.015	.587	.524	.044	.020
18	.5625	.664	.593	.045	.015	.658	.588	.049	.025
20	.6250	.741	.659	.050	.015	.735	.654	.054	.025
22	.6875	.814	.724	.055	.020	.808	.719	.059	.030
24	.7500	.887	.790	.060	.020	.881	.785	.064	.030
26	.8125	.960	.857	.065	.025	.953	.851	.069	.035
28	.8750	1.032	.921	.070	.025	1.025	.915	.074	.035
30	.9375	1.106	.987	.075	.030	1.099	.981	.079	.040
32	1.0000	1.177	1.052	.080	.030	1.170	1.046	.084	.040
34	1.0625	1.248	1.116	.085	.035	1.241	1.110	.089	.045
36	1.1250	1.329	1.184	.090	.035	1.321	1.177	.094	.045
38	1.1875	1.401	1.249	.095	.040	1.393	1.242	.099	.050
40	1.2500	1.473	1.314	.100	.040	1.465	1.307	.104	.050
42	1.3125	1.546	1.379	.105	.045	1.538	1.372	.109	.055
44	1.3750	1.619	1.446	.110	.045	1.611	1.439	.114	.055
46	1.4375	1.692	1.512	.115	.050	1.683	1.504	.119	.060
48	1.5000	1.764	1.576	.120	.050	1.755	1.568	.124	060
50	1.5625	1.836	1.641	.125	.055	1.827	1.633	.129	.065
52	1.6250	1.910	1.708	.130	.055	1.901	1.700	.134	.065
54	1.6875	1.981	1.772	.135	.060	1.972	1.764	.139	.070
56	1.7500	2.055	1.838	.140	.060	2.046	1.830	.144	.070

NOMINAL WRENCHING SIZE VALUES INDICATE NOMINAL WIDTH ACROSS FLATS OF CORRESPONDING HEXAGON OR DOUBLE HEXAGON (12 POINT) WRENCHING CONFIGURATIONS.