



AEROSPACE STANDARD

AS 972A

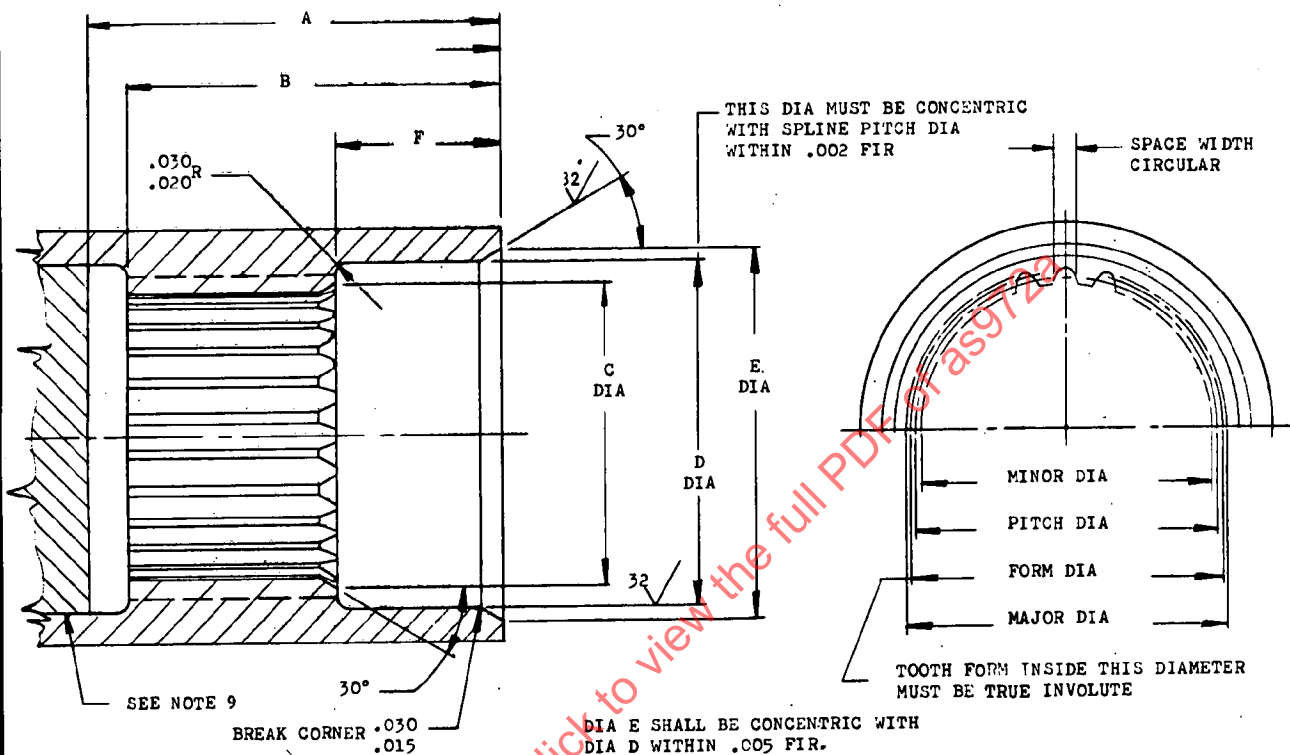
Society of Automotive Engineers, Inc.

TWO PENNSYLVANIA PLAZA, NEW YORK, N.Y. 10001

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SPLINE DETAILS, ACCESSORY DRIVES AND FLANGES

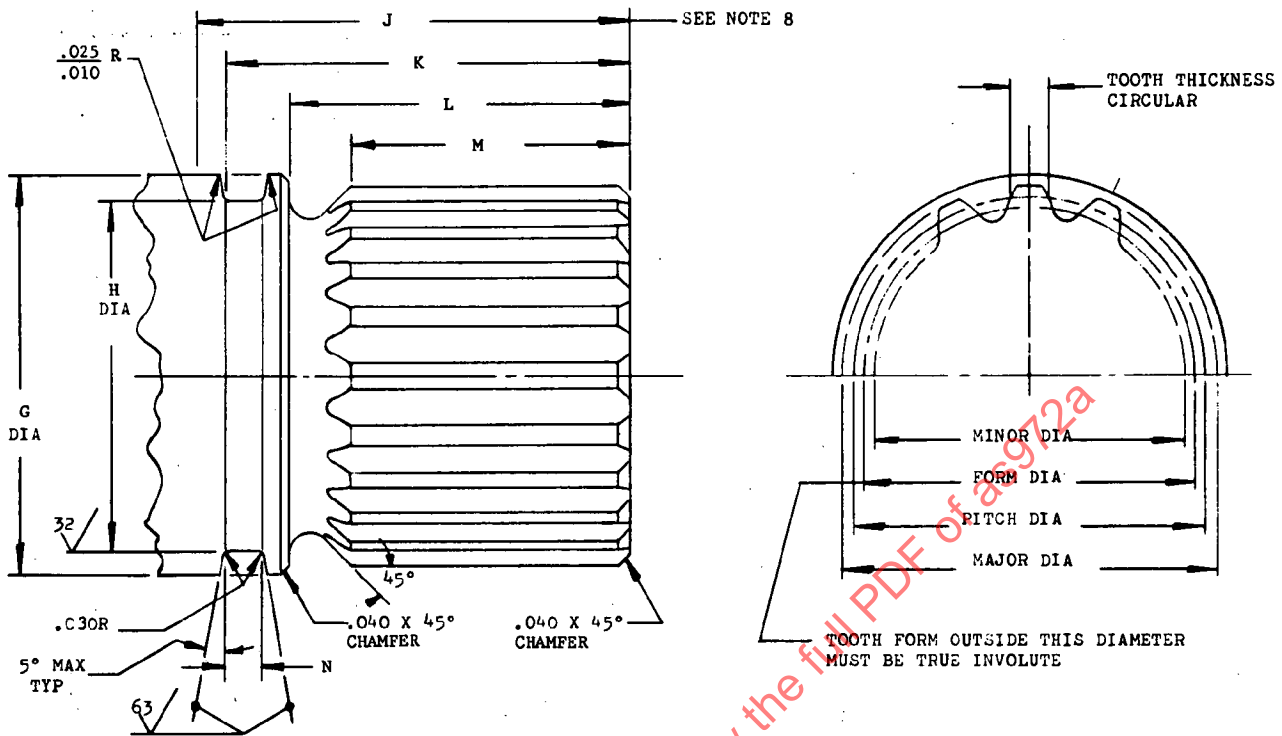


SPLINE DESIGN DATA (INTERNAL)

PITCH DIA (REF)	NO. TEETH	DIAM*L PITCH	MAJOR DIA	FORM DIA MIN	MINOR DIA	SPACE WIDTH CIRCULAR	
						MAX ACTUAL	MIN EFFECTIVE
0.4583	11	24/48	0.5423 0.5333	0.5074	0.4217 0.4167	0.0678	0.0654
0.6000	12	20/40	0.7000 0.6900	0.6578	0.5550 0.5500	0.0811	0.0785
0.8000	16	20/40	0.9000 0.8900	0.8582	0.7550 0.7500	0.0812	0.0785
1.2000	24	20/40	1.3000 1.2900	1.2592	1.1550 1.1500	0.0814	0.0785
1.6250	26	16/32	1.7485 1.7375	1.6975	1.5675 1.5625	0.1011	0.0982
2.0000	32	16/32	2.1235 2.1125	2.0732	1.9425 1.9375	0.1012	0.0982

DRIVE SHAFT DESIGN DATA

PITCH DIA (REF)	A MIN	B MIN	C DIA	D DIA	E DIA	F
0.4583	1.310	1.230	0.498 0.458	0.615 0.613	0.688 0.668	0.630 0.620
0.6000	1.450	1.370	0.640 0.600	0.750 0.748	0.823 0.803	0.630 0.620
0.8000	1.630	1.550	0.840 0.800	1.000 0.998	1.084 1.064	0.670 0.660
1.2000	1.890	1.810	1.240 1.200	1.375 1.373	1.459 1.439	0.670 0.660
1.6250	2.160	2.080	1.665 1.625	1.813 1.811	1.897 1.877	0.670 0.660
2.0000	2.390	2.310	2.040 2.000	2.188 2.186	2.272 2.252	0.670 0.660



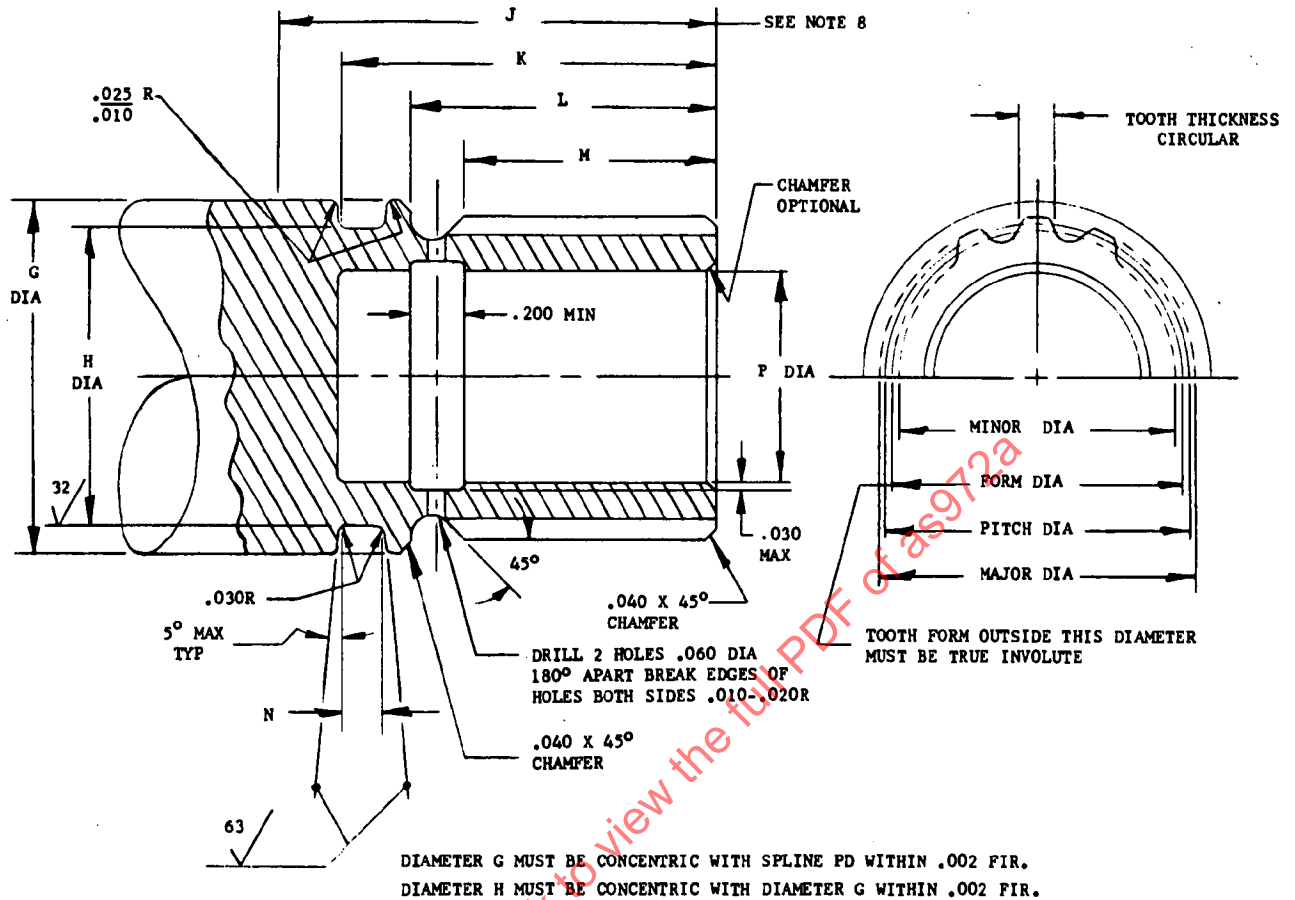
DIAMETER G MUST BE CONCENTRIC WITH SPLINE PD WITHIN .002 FIR.
DIAMETER H MUST BE CONCENTRIC WITH DIAMETER G WITHIN .002 FIR.

SPLINE DESIGN DATA (EXTERNAL)

PITCH DIA (REF)	NO. TEETH	DIAMETRAL PITCH	MAJOR DIA	FORM DIA MAX	MINOR DIA	TOOTH THICKNESS CIRCULAR	
						MIN ACTUAL	MAX EFFECTIVE
0.4583	11	24/48	0.5000 0.4950	0.4093	0.3689 0.3599	0.0580	0.0604
0.6000	12	20/40	0.6500 0.6450	0.5422	0.4932 0.4832	0.0705	0.0731
0.8000	16	20/40	0.8500 0.8450	0.7418	0.6926 0.6826	0.0700	0.0727
1.2000	24	20/40	1.2500 1.2450	1.1408	1.0912 1.0812	0.0690	0.0719
1.6250	26	16/32	1.6875 1.6825	1.5525	1.4898 1.4788	0.0879	0.0908
2.0000	32	16/32	2.0625 2.0575	1.9268	1.8636 1.8526	0.0871	0.0901

DRIVE SHAFT DESIGN DATA

PITCH DIA (REF)	G DIA	H DIA	J MIN	K	L	M MIN	N	"O" RING SEE NOTE 7
0.4583	0.595 0.593	0.450 0.448	1.290	0.932 0.924	0.685 0.675	0.480	0.155 0.145	111
0.6000	0.730 0.728	0.585 0.583	1.430	1.073 1.069	0.825 0.815	0.605	0.155 0.145	113
0.8000	0.980 0.978	0.772 0.770	1.610	1.252 1.248	0.965 0.955	0.745	0.193 0.183	210
1.2000	1.355 1.353	1.147 1.145	1.870	1.512 1.508	1.225 1.215	1.005	0.193 0.183	216
1.6250	1.793 1.791	1.585 1.583	2.140	1.782 1.778	1.495 1.485	1.255	0.193 0.183	222
2.0000	2.168 2.166	1.960 1.958	2.370	2.012 2.008	1.725 1.715	1.485	0.193 0.183	225



SPLINE DESIGN DATA (EXTERNAL)

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0.8000	16	20/40	0.8500 0.8450	0.7418	0.6926 0.6826	0.0700	0.0727
1.2000	24	20/40	1.2500 1.2450	1.1408	1.0912 1.0812	0.0690	0.0719
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0.4583	0.595 0.593	0.450 0.448	1.290	0.932 0.924	0.685 0.675	0.480	0.155 0.145	.129	111
0.6000	0.730 0.728	0.585 0.583	1.430	1.073 1.069	0.825 0.815	0.605	0.155 0.145	.226	113
0.8000	0.980 0.978	0.772 0.770	1.610	1.252 1.248	0.965 0.955	0.745	0.193 0.183	.312	210
1.2000	1.355 1.353	1.147 1.145	1.870	1.512 1.508	1.225 1.215	1.005	0.193 0.183	.312	216
1.6250	1.793 1.791	1.585 1.583	2.140	1.782 1.778	1.495 1.485	1.255	0.193 0.183	.312	222
2.0000	2.168 2.166	1.960 1.958	2.370	2.012 2.008	1.725 1.715	1.485	0.193 0.183	.312	225