

AEROSPACE STANDARD

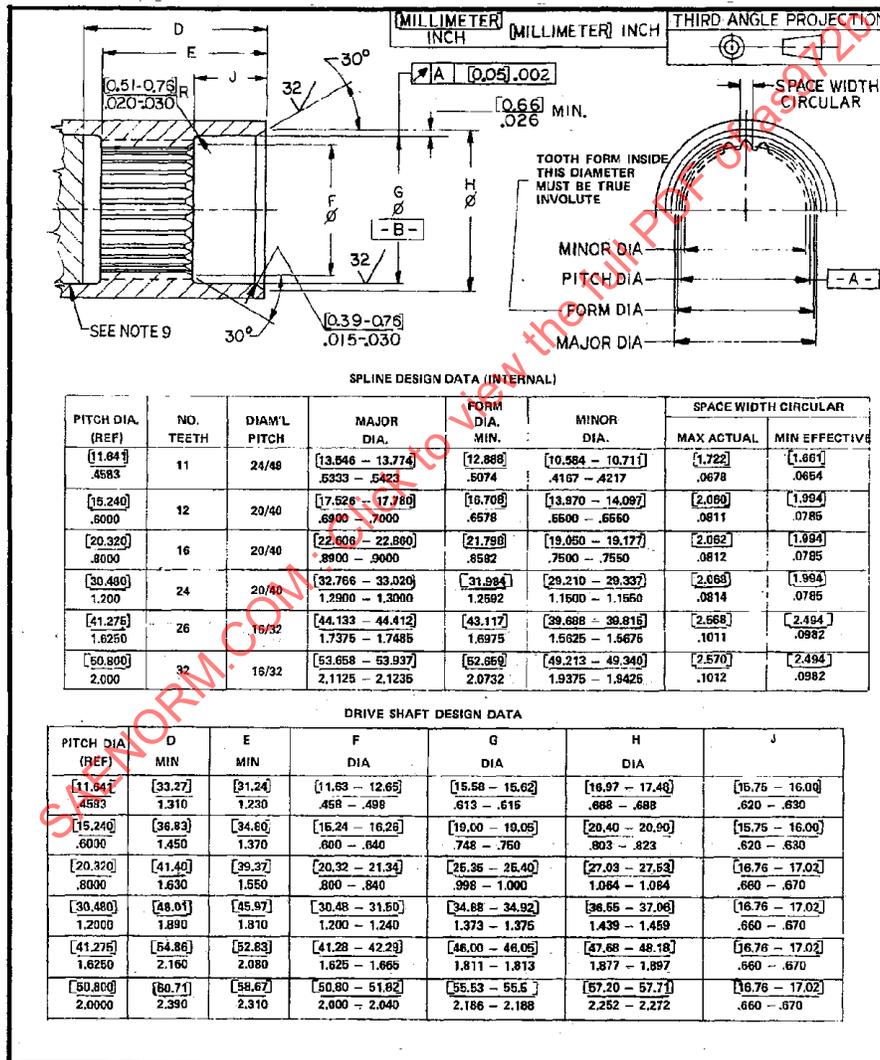
SAE AS972

REV.
B

Issued 1967-10
Revised 1977-07
Reaffirmed 2004-03

Superseding AS972A

Spline Details, Accessory Drives and Flanges



SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

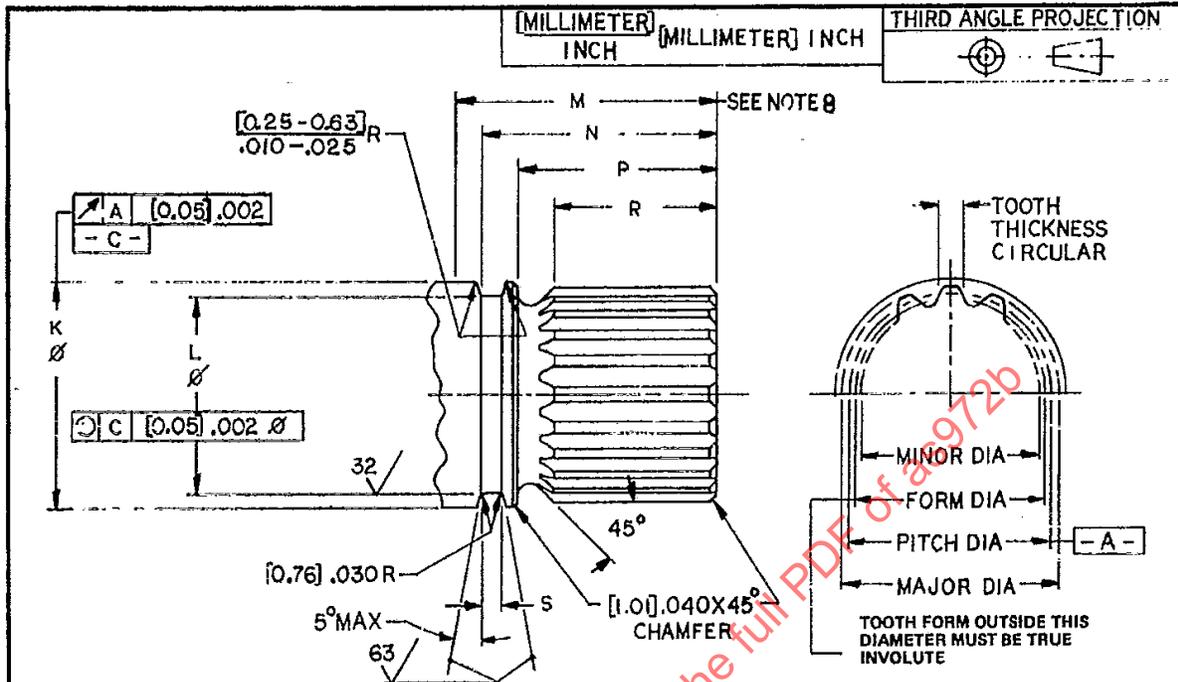
Copyright © 2004 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER:
Tel: 877-606-7323 (inside USA and Canada)
Tel: 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: custsvc@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

SAE AS972 Revision B



SPLINE DESIGN DATA (EXTERNAL)

PITCH DIA (REF)	NO. TEETH	DIAM'L PITCH	MAJOR DIA	FORM DIA. MAX.	MINOR DIA.	TOOTH THICKNESS CIRCULAR	
						MIN ACTUAL	MAX EFFECTIVE
[11.041] .4583	11	24/48	[12.573 - 12.700] .4950 - .5000	[10.398] .4093	[9.141 - 9.370] .3699 - .3689	[1.473] .0580	[1.534] .0604
[15.240] .6000	12	20/40	[16.383 - 16.510] .6450 - .6500	[13.772] .5422	[12.273 - 12.527] .4832 - .4932	[1.791] .0705	[1.857] .0731
[20.320] .8000	16	20/40	[21.483 - 21.590] .8450 - .8500	[18.842] .7418	[17.338 - 17.592] .6828 - .6828	[1.778] .0700	[1.847] .0727
[30.480] 1.2000	24	20/40	[31.623 - 31.750] 1.2450 - 1.2500	[28.976] 1.1408	[27.482 - 27.716] 1.0812 - 1.0912	[1.753] .0690	[1.826] .0719
[41.276] 1.6250	28	16/32	[42.738 - 42.863] 1.6825 - 1.6875	[39.434] 1.5525	[37.562 - 37.841] 1.4788 - 1.4898	[2.233] .0879	[2.306] .0908
[50.800] 2.0000	32	16/32	[52.261 - 52.388] 2.0575 - 2.0625	[49.941] 1.9268	[47.058 - 47.335] 1.8526 - 1.8636	[2.212] .0871	[2.289] .0901

ACCESSORY SHAFT DESIGN DATA

PITCH DIA (REF)	K DIA	L DIA	M MIN	N	P	R MIN	S	"O" RING SEE NOTE 7
[11.641] .4583	[15.06 - 15.11] .593 - .595	[11.38 - 11.43] .448 - .450	[32.77] 1.290	[23.47 - 23.67] .924 - .932	[17.15 - 17.40] .675 - .685	[12.19] .480	[3.68 - 3.94] .145 - .155	111
[15.240] .6000	[18.49 - 18.54] .728 - .730	[14.81 - 14.85] .583 - .585	[36.32] 1.430	[27.16 - 27.26] 1.068 - 1.073	[20.70 - 20.96] .815 - .825	[15.37] .605	[3.68 - 3.94] .145 - .155	113
[20.320] .8000	[24.84 - 24.89] .978 - .980	[19.56 - 19.60] .770 - .772	[40.89] 1.610	[31.70 - 31.80] 1.248 - 1.252	[24.26 - 24.51] .955 - .965	[18.92] .745	[4.65 - 4.90] .183 - .193	210
[30.480] 1.2000	[34.37 - 34.42] 1.353 - 1.355	[29.08 - 29.13] 1.145 - 1.147	[47.50] 1.870	[38.30 - 38.40] 1.508 - 1.512	[30.88 - 31.12] 1.215 - 1.225	[25.53] 1.006	[4.65 - 4.90] .183 - .193	216
[41.276] 1.6250	[45.49 - 45.54] 1.781 - 1.793	[40.21 - 40.25] 1.583 - 1.585	[54.36] 2.140	[45.16 - 45.26] 1.778 - 1.782	[37.72 - 37.97] 1.485 - 1.495	[31.86] 1.255	[4.65 - 4.90] .183 - .193	222
[50.800] 2.0000	[55.02 - 55.07] 2.166 - 2.168	[49.74 - 49.78] 1.958 - 1.960	[60.20] 2.370	[51.00 - 51.10] 2.008 - 2.012	[43.58 - 43.82] 1.715 - 1.725	[37.72] 1.485	[4.65 - 4.90] .183 - .193	225