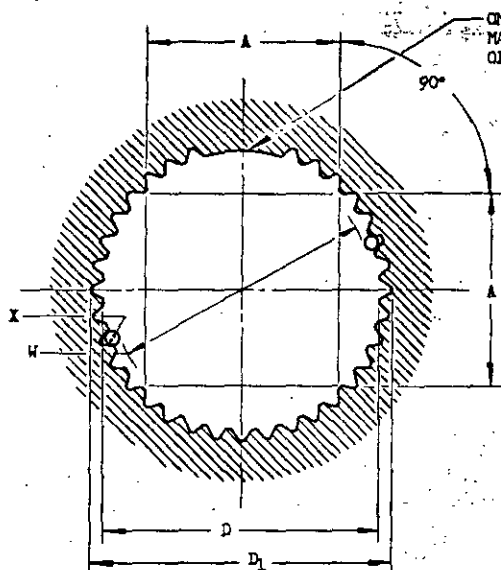
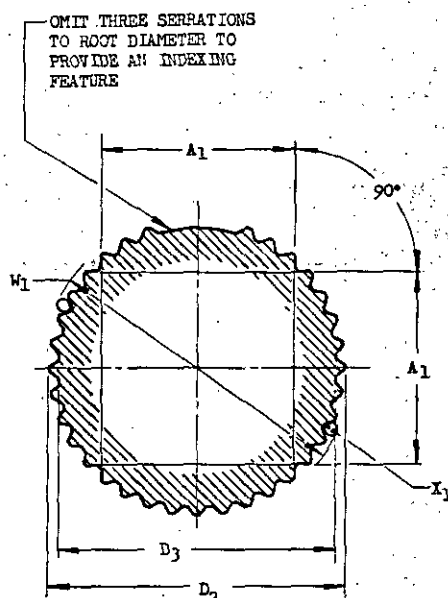


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NOTE: This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force-Navy standard for this product. This drawing supersedes all subsequent standard drawings for the same product and shall become effective for the procurement of aeronautical supplies, or for use in new design, not later than 6 months after the latest date of approval shown.



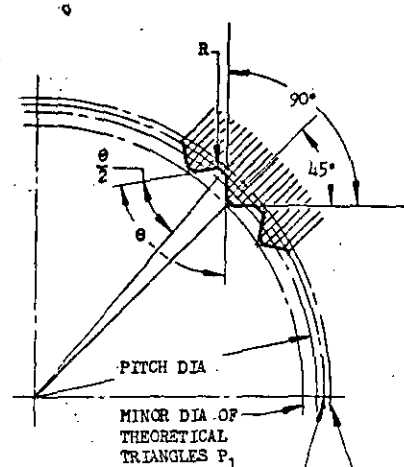
INTERNAL SPLINES



EXTERNAL SPLINES

OMIT THREE SERRATIONS TO MATCH INDEXING FEATURE OF SERRATED SHAFT

OMIT THREE SERRATIONS TO ROOT DIAMETER TO PROVIDE AN INDEXING FEATURE

DETAIL  
INTERNAL SPLINES

MAXIMUM CLEARANCE BETWEEN MAXIMUM DIAMETER OF SHAFT AND POINTS OF TANGENCY IN MINIMUM HOLE

MINIMUM CLEARANCE BETWEEN CORE DIAMETER OF MINIMUM HOLE AND POINTS OF TANGENCY ON MAXIMUM SHAFT

NOMINAL DIAMETER PASSES THROUGH POINTS OF TANGENCY OF FLANK AND RADIUS OF NOMINAL HOLE

MAJOR DIAMETER OF THEORETICAL TRIANGLE P2

DEPTH OF ENGAGEMENT

PITCH DIA

MINOR DIA OF THEORETICAL TRIANGLES P1

DETAIL  
EXTERNAL SPLINES

NOMINAL SIZE SERRATIONS	NO. OF SERRATIONS	$\theta$	$P_0$	PITCH DIA	$P_1$	R MAX RAD	INTERNAL SPLINE					EXTERNAL SPLINE				
							A	D DIA	D1 MAX DIA	W DIA	X WIRE DIA	A1	D2 DIA	D3 DIA	W1 DIA	I1 WIRE DIA
.250	36	80°	.2534	.2418	.2303	.0015	.1634	.236 +.001 -.000	.253	.2235 +.0007	.012	.1615 +.0010	.248 +.001 -.002	.230 +.002	.2645 +.0013	.015

REMOVE ALL BURRS AND BREAK SHARP EDGES.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: THREE-PLACE DECIMALS  $\pm .005$ , FOUR-PLACE DECIMALS  $\pm .0005$ , ANGLES  $\pm 0^\circ 30'$ .

② CANCELED AFTER 6 APRIL 1973.

NO SUPERSEDING STANDARD.

AIR FORCE-NAVY AERONAUTICAL DESIGN STANDARD

SPLINE, SERRATED

AND10237