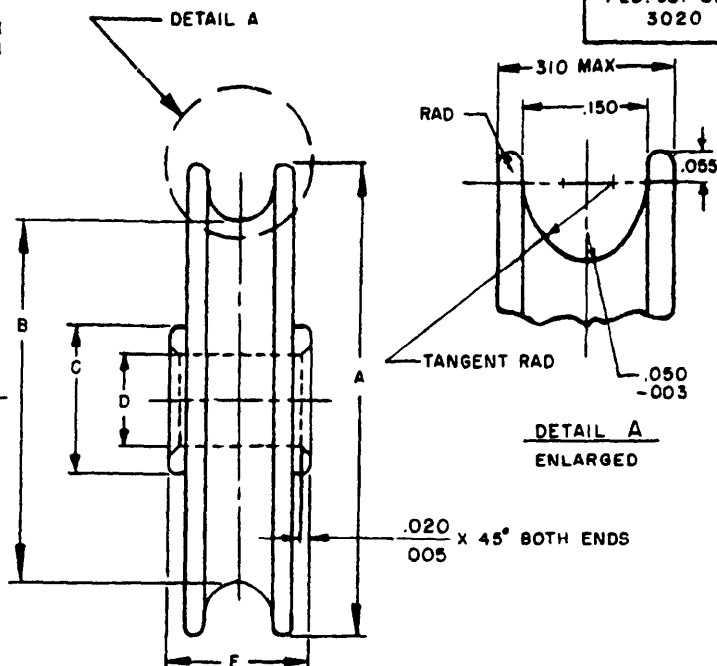
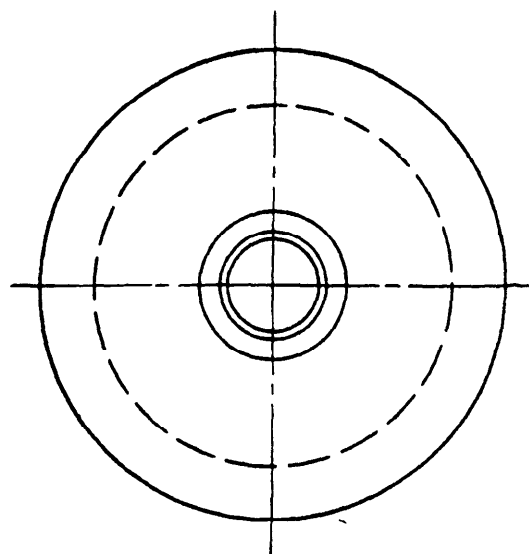


FED. SUP CLASS
3020

HUB MAY BE ADDED TO PULLEY SHEAVE WHERE WIDTH OF BEARING OUTER RACE IS GREATER THAN MAXIMUM WIDTH OF PULLEY SHEAVE.



DASH NO.		CABLE SIZE	A	B	C	D	E	PULLEY ASSY.
NONMETALLIC SHEAVE	METALLIC SHEAVE		OUTSIDE DIA ±.005	GROOVE DIA ±.005	HUB DIA REF	BORE DIA ±.0005	WIDTH I.R. ±.005	WEIGHT MAX
		INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	LB
-1	A1	1/16	1.312	1.000	.373	.2500	.438	.058
-2	A2		1.750	1.438	.423	.2500	.438	.066
-3	A3	3/32	1.750	1.438	.769	.6250	.438	.096
-4	A4		2.625	2.312	.423	.2500	.438	.110
-5	A5		2.625	2.312	.769	.6250	.438	.125

DASH NO.		PULLEY STRENGTH			AFBMA BEARING (REF)
NONMETALLIC SHEAVE	METALLIC SHEAVE	ALLOWABLE LIMIT LOAD ON PULLEY	MAX LIMIT LOAD ON CABLE INDEPENDENT OF WRAP ANGLE		
		LBS	1/16 CABLE	3/32 CABLE	
-1	A1	430	307 LBS	460 LBS	W4AK(a)
-2	A2				P4K
-3	A3				P10K
-4	A4	920			P4K
-5	A5				P20K

NOTE (a) THE P4K IS AN APPROVED ALTERNATE FOR THE W4AK BEARING.

MATERIAL: METALLIC SHEAVES ALUMINUM ALLOY, QQ-A-225/C, T351 OR AMS #037, T351.

NONMETALLIC SHEAVES PHENOLIC, SEE PROCUREMENT SPECIFICATION.

FINISH ALUMINUM - ANODIZE, MIL-A-8625, TYPE II.

EXAMPLE OF PART NUMBERS: MS20219-2 - NONMETALLIC SHEAVE AND FIXED BALL BEARING WITH CONTACT SEAL.

MS20219A2 - METALLIC SHEAVE AND FIXED BALL BEARING WITH CONTACT SEAL.

PULLEYS SMALLER THAN -2 SHALL NOT BE INSTALLED IN FLIGHT CONTROL SYSTEMS.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, DECIMAL TOLERANCES ±.010

END FACES OF ALL BEARING HUBS MUST BE FLAT AND SQUARE WITH BORE WITHIN ±.010.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

(F) ENTIRE STANDARD REVISED.

APPROVED 17 May 57 REVISED A 8 Jul 57 B 25 Feb 60 C 31 Mar 65 D 30 Aug 1965 E 21 June 1976 F 30 July 1982

Users: Army - MI
Army - AV
Navy - AS
Air Force - 99

This standard has been approved by the Department of the Air Force and is mandatory for use by all military activities. All other military activities are required to employ this standard where suitable.

P.A. Air Force - 11

Other Cust

Army - AV
Navy - AS

TITLE

PULLEY, GROOVE, SECONDARY CONTROL, AIRCRAFT

MILITARY STANDARD

MS20219

PROCUREMENT SPECIFICATION
MIL-P-7034

SUPERSEDES AN219

SHEET 1 OF 1