

Technical drawing of a shaft with a keyway. The main view shows a shaft with diameter ϕB , keyway width ϕA , and key height ϕC . The key has length E and width D . A lubrication groove is shown with diameter ϕF and depth G . A detail view "A" shows the keyway profile with a .030 RAD (2 PLACES) fillet and a .010 MIN flat bottom.

MS PART NO.	WT. MAX. LBS.	STATIC LIMIT LOAD - LBS.		DYNAMIC LOAD RATING - LBS.	
		RADIAL	AXIAL	RADIAL	AXIAL
-16C	0.16	3500	440	1700	213
-20C	0.19	4800	490	2230	254
-25C	0.41	6000	540	2750	248
-28C	0.49	9600	890	4320	427
-33C	0.64	10200	950	5250	489
-37C	0.66	10900	980	5850	526
-47C	0.75	12800	1070	8210	686
-49C	0.78	13700	1150	8980	754

MS DASH No.		ØA	ØB	ØC	D	E	ØF	G	NUMBER OF LUBRICATION HOLES	
		+ .0000	+ .0000	+ .005	+ .000	+ .000		LUBRICATION HOLE		+ .020
		- .0011	- .0011	- .005	- .005	- .005				- .000
		BORE *1 *2	O.D. *3	DIAMETER	WIDTH OUTER RING *4	WIDTH INNER RING *4				RADIUS
-16C		1.0000	1.6250	1.120	.450	.500	.060	.020	2	
-20C		1.2500	1.8750	1.390						
-25C		1.5630	2.5000	1.800	.580	.670				
-28C		1.7500	2.6880	1.980						
-33C		2.0630	3.0000	2.300						
-37C		2.3130	3.2500	2.560						
-47C		2.9380	3.8750	3.200	3					
-49C		3.0630	4.0000	3.330						
BASIC (NOMINAL) DIAMETER		BEARING ROUNDNESS LIMITS								
		BORE ACCEPTANCE LIMITS				O.D. ACCEPTANCE LIMITS				
		OVER INCL	d MIN.	MEAN DIAMETER		d MAX.	D MIN.	MEAN DIAMETER		D MAX.
				LOW	HIGH			LOW	HIGH	
.0000	1.0000	-.0008	-.0005	+.0000	+.0003	-----	-----	-----	-----	
1.0000	2.0000	-.0011	-.0008	+.0000	+.0003	-.0020	-.0010	+.0000	+.0010	
2.0000	4.0000	-.0014	-.0011	+.0000	+.0003	-.0021	-.0011	+.0000	+.0010	