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NOTES

1. APPLICABLE STANDARDS/SPECIFICATIONS:
A. ASME Y14.100-2017
B. ASME Y14.5-2009
2. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENTOR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM DESCRIBED ON THE DRAWING.
3. VENDOR PART NUMBER(S) ARE FOR REFERENCE ONLY. DRAWING SPECIFICATIONS AND DIMENSIONAL REQUIREMENTS SUPERCEDE VENDOR PART NUMBER(S) AND/OR CATALOG CALLOUTS.

SPECIFICATIONS	
STYLE	BEARING MATERIAL
TYPE	SELF-LUBRICATING
THICKNESS	0.585"/.0605"
USABLE WIDTH	5.00" MIN
BACKING	STEEL
INNER STRUCTURE	POROUS COPPER-TIN BRONZE
BEARING SURFACE	PTFE/Pb
LUBRICATION	NOT REQUIRED
COMPRESSIVE STRENGTH	44000 PSI
STATIC LOAD CAPACITY	36000 PSI
DYNAMIC LOAD CAPACITY	20000 PSI
SPEED	DRY: 1000 RPM LUBRICATED: 2000 RPM
PV LIMIT	CONTINUOUS: 50000 PSI-FPM INTERMITTENT: 100000 PSI FPM
TEMPERATURE RANGE	-328°F TO 536°F
STATIC COEFFICIENT OF FRICTION	.02 TO .02
DYNAMIC COEFFICIENT OF FRICTION	.02 TO .02

REVISIONS			
LTR	NOR NUMBER	DATE	APPROVED
P1	INITIAL RELEASE	2024-06-04	PMS

SUGGESTED SOURCE OF SUPPLY				
PART NUMBER	VENDOR DATA			
	NAME & ADDRESS	CAGE CODE	VENDOR PART NO.	DESCRIPTION
1110700278	THE TIMKEN COMPANY 4500 MOUNT PLEASANT ST NW NORTH CANTON, OH 44720 234-262-6953	0ZM09	S0594DU0500-S1	BEARING MATERIAL

VENDOR ITEM CONTROL DRAWING

NEXT ASSY			UNLESS OTHERWISE SPECIFIED			ORIGINAL DATE (YR-MO-DA)2024-06-04			U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND CHEMICAL BIOLOGICAL CENTER					
1110700280			DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± FRACTIONS ± ANGLES ±			DRAWN BY J. DIETEL		CHECKER J. DIETEL		ROCK ISLAND ARSENAL, ROCK ISLAND, IL 61299				
						SUBMITTED			BEARING MATERIAL					
						DESIGN APPROVAL								
						DRAWING APPROVAL								
EQUIPMENT CODE NO.			MATERIAL			CONTRACT NO.			SIZE C	DAI 5B5M3	DWG NO. 1110700278			
B39														
									SCALE 1:1	Rev: P1		SHEET	1 OF 1	

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