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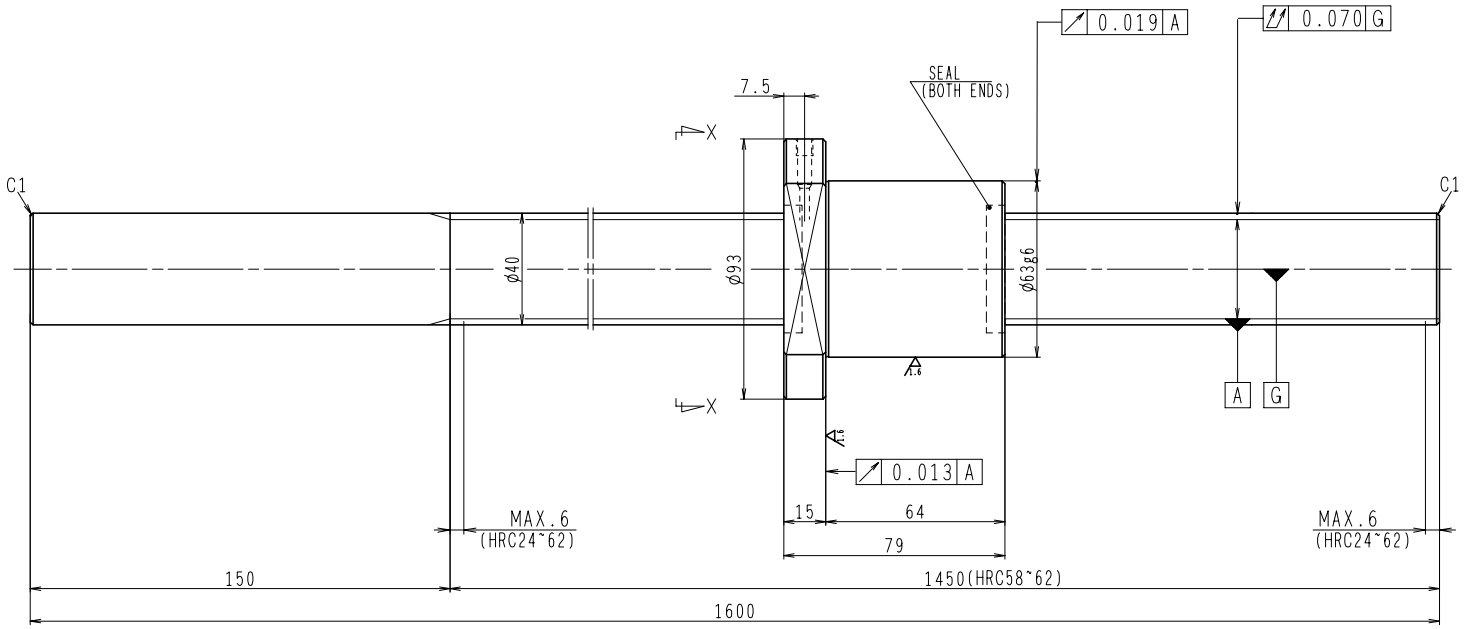
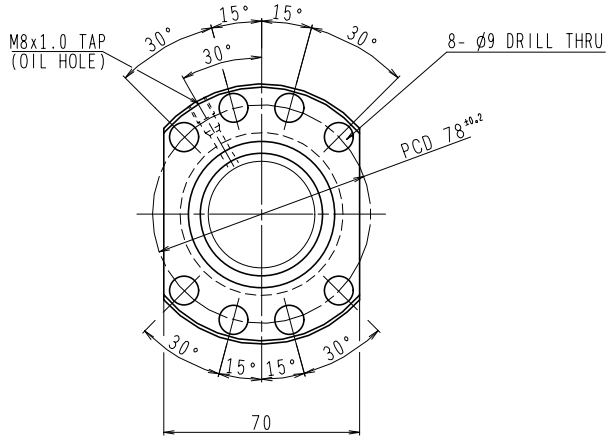
6.3 (✓)





VIEW X-X

LEAD ACCURACY		
TRAVEL DEVIATION	SPECIFIED TRAVEL :T	0
	MEAN TRAVEL DEVIATION :ep	0.054
	VARIATION OVER THE TRAVEL LENGTH :vu	0.035
	VARIATION WITHIN 300MM TRAVEL :v300	0.018

PRELOAD TORQUE DATA	
PRELOAD	1065 N
TORQUE RANGE	13.80 ~ 37.50 N-cm
MEASURING CONDITION	ROTATING SPEED : 100 min⁻¹
	LUBRICATING OIL : ISO VG68

No.	DESCRIPTION	E.C.No.	DATE	BY

REVISIONS

BALL SCREW SPECIFICATION			JIS B 1192-5
BALL NUT MODEL NO.		PFD4006-4	
ACCURACY GRADE AND AXIAL CLEARANCE		C5Z	
AXIAL CLEARANCE OF BALL NUT		0	
BASIC LOAD RATING, DYNAMIC		25100 N	
BASIC LOAD RATING, STATIC		63500 N	
LOAD RATINGS ACCORDING TO ISO STANDARDS			
HARDNESS OF BALL TRACK	SCREW SHAFT	HRC 58~ 62	
	BALL NUT	HRC 58~ 62	
STIFFNESS			
WEIGHT		kg	
PREPACKED LUBRICANT		RUST PREVENTIVE OIL	
PERMISSIBLE ROTATIONAL SPEED		min⁻¹ (d·n=)	

NOMINAL LEAD	6
BALL CIRCLE DIAMETER	41
LEAD ANGLE	2°40′
USED NO. OF THREAD STARTS	1
DIRECTION OF TURN	RIGHT
BALL DIAMETER	3.9688 (5/32)
NO.OF TURNS	1
NO.OF CIRCUITS	4
SPACER BALLS:LOAD BALLS	ALL LOAD BALLS
OPERATING CONDITION	
AXIAL LOAD	N
ROTATING SPEED	min⁻¹
LUBRICANT	
MOUNTING METHOD	SIMPLE-FREE

DEFAULT TOLERANCES	
DIMENSION	TOLE.
TO 6	±0.1
OVER 6 TO 30	±0.2
OVER 30 TO 120	±0.3
OVER 120 TO 400	±0.5
OVER 400 TO 1000	±0.8
OVER 1000 TO 2000	±1.2
OVER 2000 TO 4000	±2
OVER 4000 TO 8000	±3

CUSTOMER	ALTERNATIF		CUSTOMER'S DWG.NO. A0400060220
APPLICATION	HANDLING		
APR'VD Petersen	CHECKED Ueda		DRAWN Zavadil
DATE 05.07.2022	SCALE free		UNIT mm
REF. NO. W4014G-53PY-C5Z6			DWG.NO.

ORIGINAL DRAWING SIZE:A2 NSK Ltd.