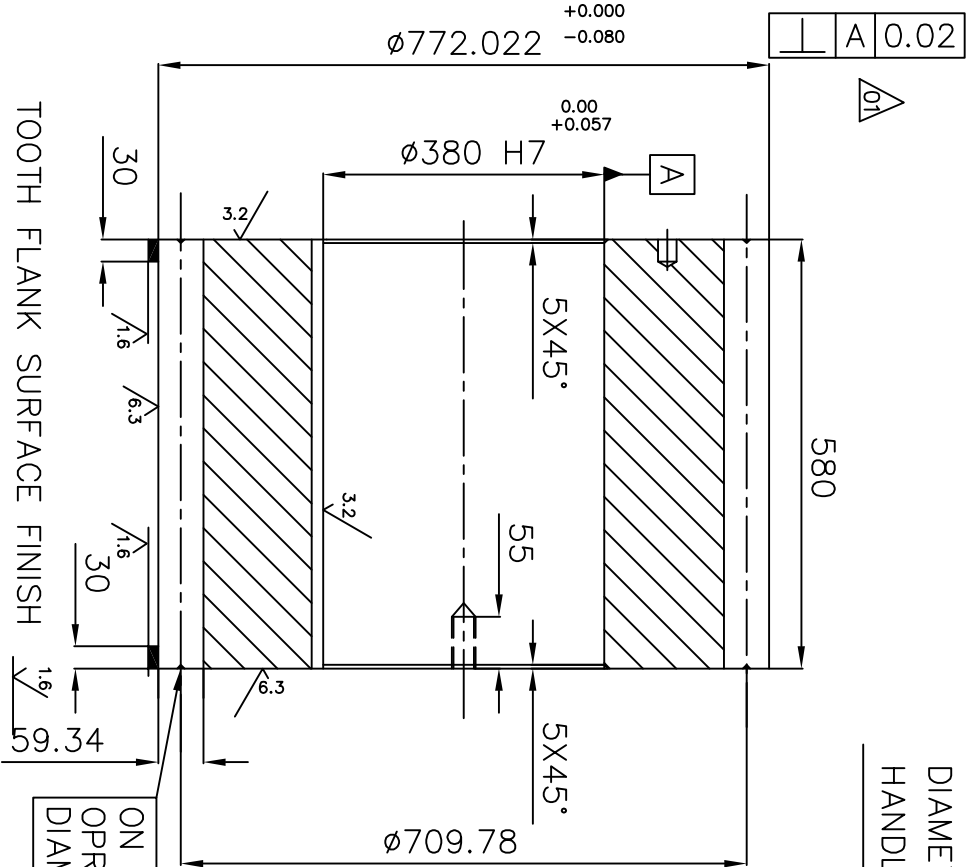


40000-122-29-3 ON GRD

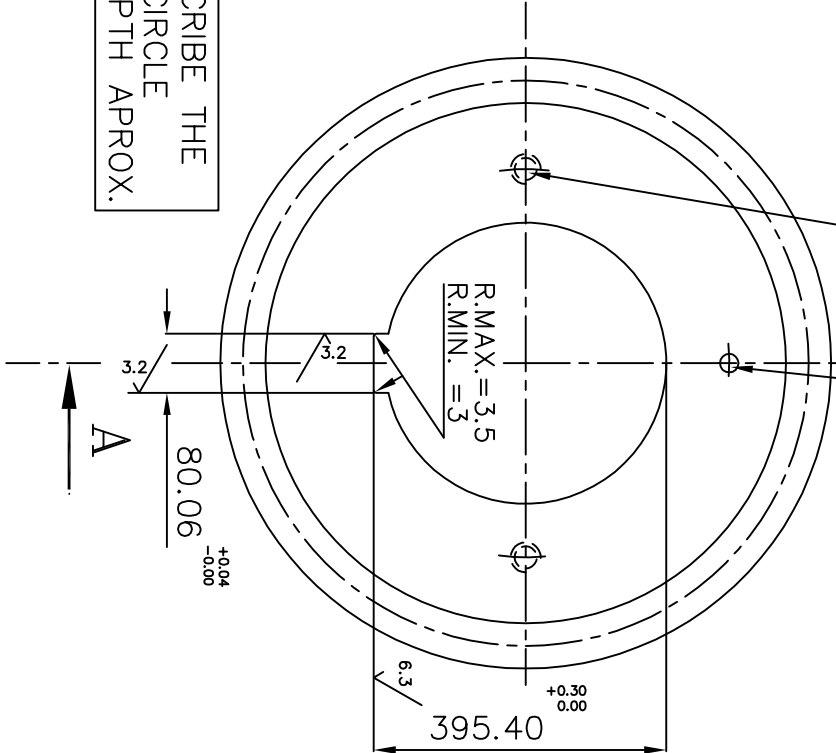
ON OPPOSITE FACE AND ON $\phi 525$
2 HOLES M30 DEPTH 55/62
DIAMETRICALLY OPPOSITE FOR
HANDLING.

A
ON THIS FACE AND ON
 $\phi 550$.-1 HOLE $\phi 25$ H7 ± 0.021
DEPTH : 30.



SECTION-AA

ON EACH FACE SCRIBE THE
OPERATING PITCH CIRCLE
DIAMETER 1MM DEPTH APPROX.



TEETH	SPUR
NUMBER OF TEETH	Z=26
OPERATING MODULE.	M'T=27
OPERATING DIAMETER	D'=709.78
ADDENDUM MODIFICATION	XMO(±MM) +8.07
REFERENCE PRIMITIVE DIAMETER	D=756
CUTTER TOOL MODULE	MNO=27
CUTTER TOOL PRESSURE ANGLE	NO.=25° -0.244 -0.366
DISTANCE ON 4 TEETH UNDER h	W=295.008
TOTAL BACKLASH IN OPERATION	JN=1.44 TO 1.92
DISTRIBUTION	ON THE PINION 0.6 TO 0.8 ON THE GIRTH GEAR 0.84 TO 1.12
MESH WITH GIRTH GEAR(208 TEETH):	06222100001
OPERATING CENTER DISTANCE	A'=3194
MACHINING TOLARANCES:	ISO 1328 QUALITY-8
TOTAL TOOTH PROFILE DEVIATION (F _d):	70 MICRONS.
SINGLE PITCH DEVIATION (f _{pt}):	±47 MICRONS
TOTAL CUMULATIVE PITCH DEVIATION (F _p):	143MICRONS.
RUN OUT TOLERANCE ON PCD (F _r):	115 MICRONS
TOTAL BACKLASH IN MOUNTING	2.66 TO 3.14mm

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD.
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

36250305
FILE NAME

REF.DRG.NO.

INVENTORY NO.

REV.	DATE	ALTERED	CHD.	APPD.
ZONE				
REV.	DATE	ALTERED	CHD.	APPD.
ZONE				

MOMENT OF INERTIA = 159 kgm²
GEARING STIFFNESS = 1158 m⁶.N/rad
30 CND 8 R = 110/125 HBAR
HARDNESS = 320 BHN MIN.
= 365 BHN MAX.

THE FOLLOWING CONDITIONS APPLY
EXCEPT OTHERWISE STATED...
1. REF.TO HY0230261 FOR UNSPECIFIED
TOLERANCES.
2. CHAMFER M/CD SHARP EDGES
1.2 TO 1.0 AT 45°.
3. INTERNAL M/CD CORNER RADII
1 TO 0.7.
4. THE SURFACE ROUGHNESS WHEREVER NOT SHOWN
SHALL BE TAKEN FROM THE SURFACE ROUGHNESS
SHOWN OUT SIDE BACK SLASHES GIVEN AT THE
TOP MOST RIGHT CORNER OF THE DRG.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		WET BALL MILL BHEL 4074	
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN. K.C.M	08.02.20
		CHD. AMAN	08.02.20
		APPD. SGHATGE	08.02.20
DEPT. PULVE.ENG	SCALE	WEIGHT (KG)	REF. TO ASSY DRG.
CODE 446	1:10	1770	ITEM NO.
TITLE		DRAWING NO.	REV.
PINION.		3-62-221-00004	00
		SHEET NO. 01	NO OF SHEETS 01