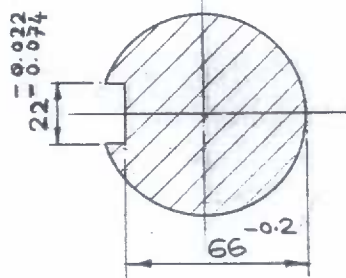
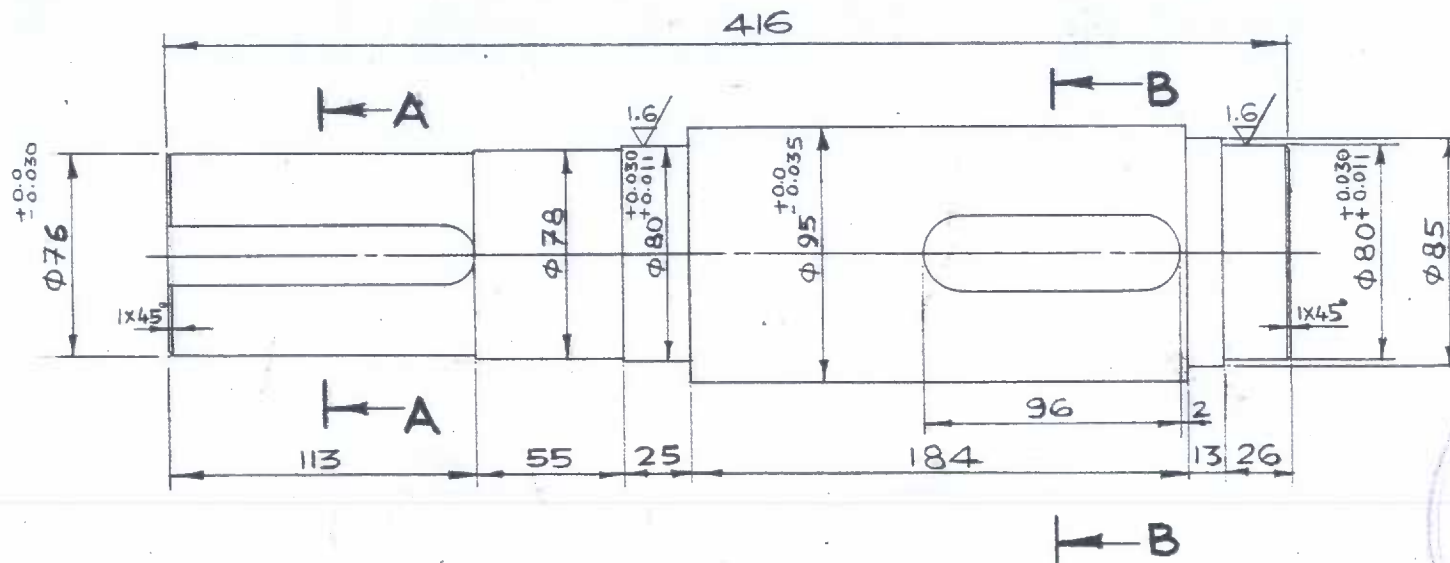
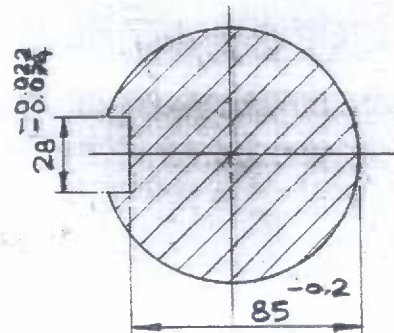


DRAWING NUMBER

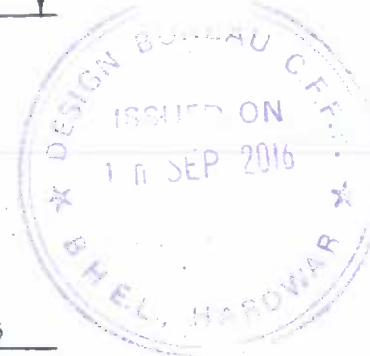
3.2/
[1.6/]

A-A



B-B

MATERIAL - EN-18



TYPE OF PRODUCT

OR

NAME OF CUSTOMER / PROJECT

MACHINE SHOP



BHARAT HEAVYELECTRICALS LTD.

UNIT: C.F.F.P., HARDWAR.

DEPT.

CODE

SCALE
1:2

WEIGHT (KG)

REF. TO ASSY. DRG.

ITEM NO.

SHAFT
FOR L.T. GEAR BOX
30/10 T. GARLIC CRANE

NAME	DATE
DRAWN	7-2-87
CHECKED	7-2-87
APPROVED	

Dimensions to be Controlled Within Limits as Shown
Machining Tolerance ± 0.25 mm Unless Otherwise
Shown, Non Machining Tolerance $\pm$

CARD
CODEDRAWING NO.
09,21,018

15/18 REV. 1

SHEET NO.

NO. OF SHEETS

Ref. Drg. No.

Sign. & Date

Inventory No.
FF 8201180180

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN M.M.)

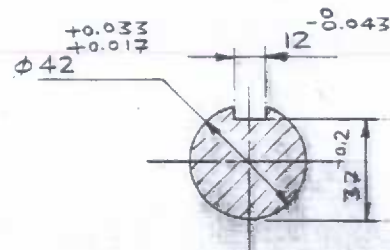
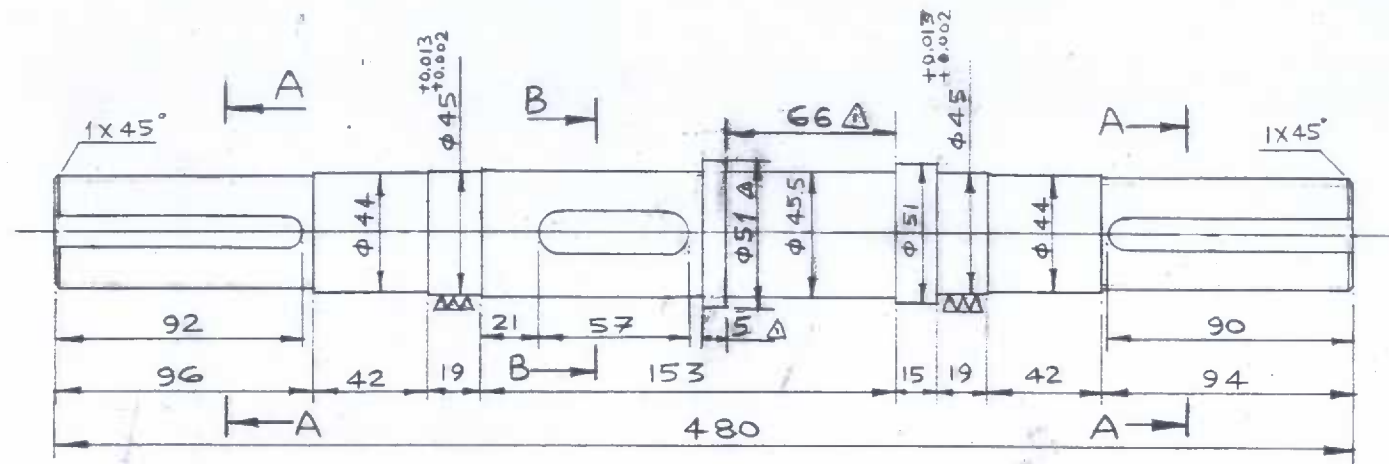
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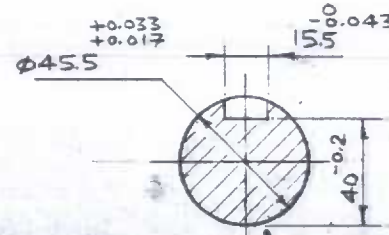
Ref. Drg. No. SAMPLE

Sign & Date

Inventory No. F8001090402



SEC-AA



SEC BB



ALL SHARP CORNERS TO BE ROUNDED OFF.

MATERIAL: EN-9



BHARAT HEAVY ELECTRICALS LIMITED.
UNIT: CENTRAL FOUNDRY FORGE PLANT.
HARDWAR

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	DEPT.	SCALE	WEIGHT(KGS.)	REF. to ASSY. DRG.	ITEM NO.
		CHECKED			CHECKED	R ₁	23/8	CHECKED	DESIGN BUREAU	1:2	5.5		
						CHANGES AS MARK Δ			TITLE OUTPUT SHAFT FOR CT GEAR BOX 30/10T GARLICK CRANE (MACHINE SHOT)				
									Dimensions to be controlled Within Limits as Shown Machining Tolerance ± 0.25 mm Unless Otherwise Shown. Non Machining Tolerance ±				
									DRAWING NO. 09,21,027				
									SHEET NO. 1 NO. OF SHEETS 1				

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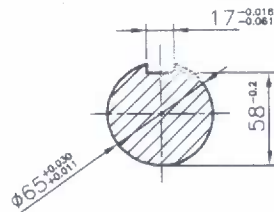
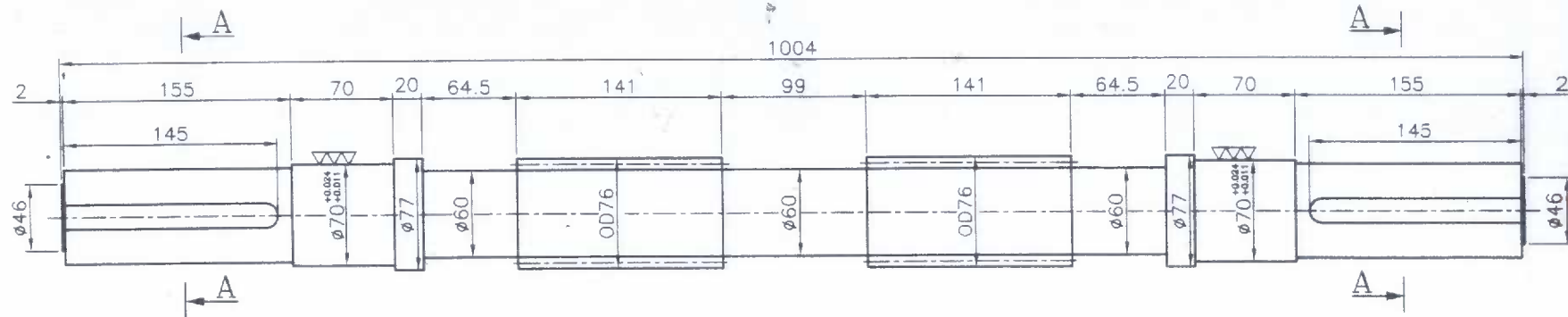
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM: DG-38(B)

DRAWING NO. 09,024,025

(XXX) (XXX)



SECTION A-A



NO. OF TEETH	16
TOOTH DEPTH	8
MODULE	4
PRESSURE ANGLE	20°
HELIX ANGLE	17°
DIRECTION OF HELIX	R.H.
TOOTH HARDENING	HRC45-50

NOTES:-

ALL SHARP CORNERS TO BE ROUNDED OFF.

REF. DRG NO.

SIGN & DATE

INVENTORY NO. 09201090470

MATERIAL: EN 24

REV. DATE ALTERED CHECKED

REV. DATE ALTERED CHECKED

BHARAT HEAVY ELECTRICALS LTD.
UNIT: CENTRAL FOUNDRY FORGE PLANT
HARDWAR

ITEM CODE



SCALE 1:3

WEIGHT(Kg.)

NAME SIGN DATE
DRN: PRAVEEN
CHD: ANAMIKA
APD: ARPIT

REF. TO ASSY. DRG.

ITEM NO.

TITLE
HELICAL PINION SHAFT (INPUT)
FOR AUX.HOIST, 75/20 EOT CRANE

DRAWING NO. 09,024,025

SHEET NO. 01 NO. OF SHEETS 01

SIZE A3

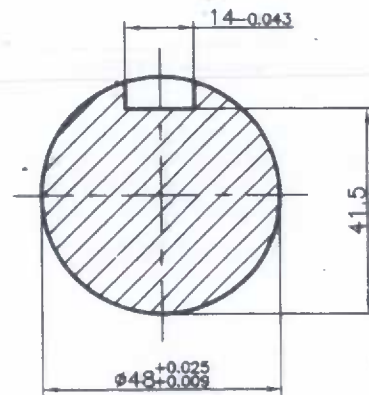
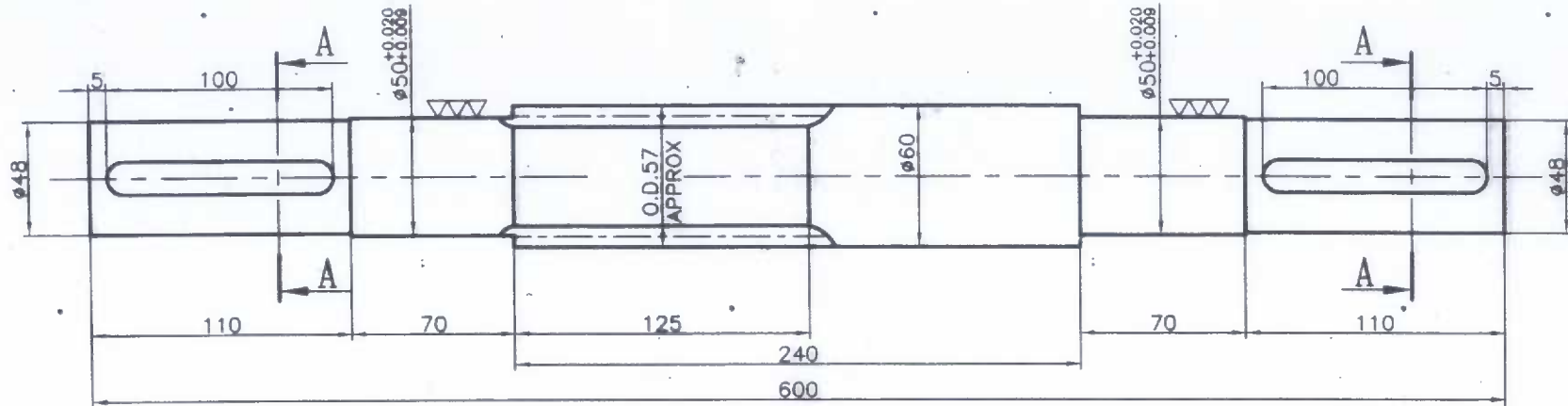
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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE mm)

FORM: DG-38(B)

DRAWING NO. 09,52,005



SECTION AA

SCALE 1:1



NO. OF TEETH	12
MODULE	4
PRESSURE ANGLE	20°
HELIX ANGLE	9° APPROXIMATE
DIRECTION	LH
CENTER DISTANCE	200
TOOTH HARDNESS HRC	45.50

ALL SHARP CORNERS TO BE BOUNDED OFF

REF. DRG NO.

SIGN & DATE

INVENTORY NO.

MATERIAL: EN 24

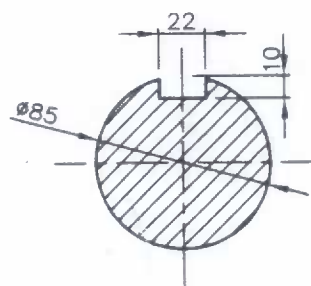
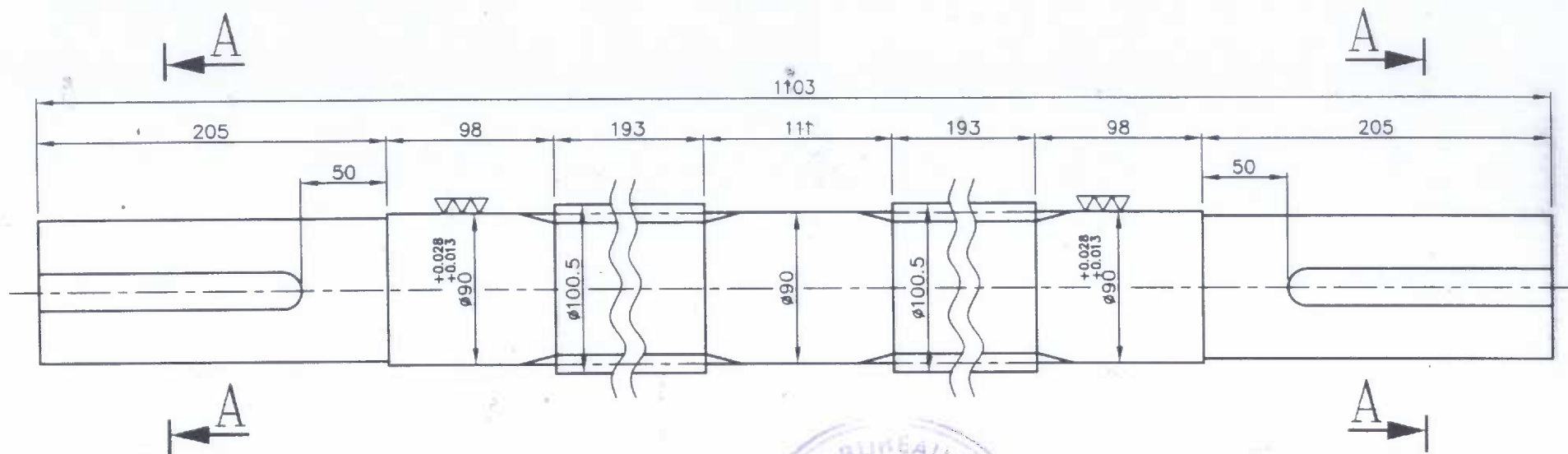
REV.	DATE	ALTERED	CHECKED

BHARAT HEAVY ELECTRICALS LTD. UNIT: CENTRAL POUNDRY FORCE PLANT HARDWAR				DEPT.		SCALE 1:2		WEIGHT (Kg) -	
DRN	NAME	SIGN	DATE	NO. OF	VAR.	CHD	ANAMIKA	05.09.15	
APD	ARPIT	05.09.15		73, 74					
REF. TO ASSY. DRG				ITEM NO.	NO. OF ITEMS	75, 77			
TITLE INPUT PINION SHAFT OF L.T. DRIVE FOR 120/30T CRANE HEAVY BAY, (S. FDY.)				DRAWING NO. 09,52,005		SHEET NO. 2 NO. OF SHEETS 2			

SIZE A3

09-24-029

DRAWING NO.



SECTION AA



MODULE	5
NO. OF TEETH	17
DIRECTION	R.H.
HELIX ANGLE	15° APPROX
C. DISTANCE	282
TOOTH HARDNESS	HRC 45-50

MATCHING WITH GEAR DRG. NO. 09-24-028.

ALL SHARP CORNERS TO BE ROUNDED OFF.

MATERIAL: EN-24



BHARAT HEAVY ELECTRICALS LTD.
 UNIT: CENTRAL POUNDRY FORGE PLANT
 RANIPUR, HARDWAR

NAME	SIGN	DATE	NO. OF VAR
MAN PRAYEEN		27.06.16	
CHD ANAMIKA		27.06.16	
APPO ARPIT			

DEPT	SCALE	WEIGHT (KG)	REF. TO ASST. DRG.	ITEM No.	NO. OF ITEMS
CODE	NTS	-			75 77
TITLE : <u>HELICAL PINION SHAFT(INPUT)</u> OF MAIN HOIST FOR 75T CRANE (M/C SHOP)			CARD CODE	DRAWING NO.	
			7	09-24-029	0
			SHEET No.	1	NO. OF SHEETS 1

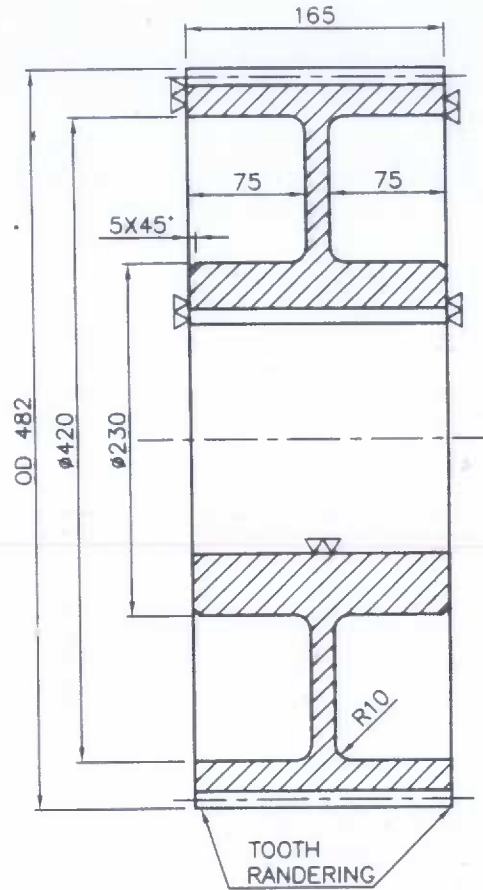
REV	DATE	ALTERED	REV	DATE	ALTERED	REV	DATE	ALTERED
		CHECKED			CHECKED			CHECKED

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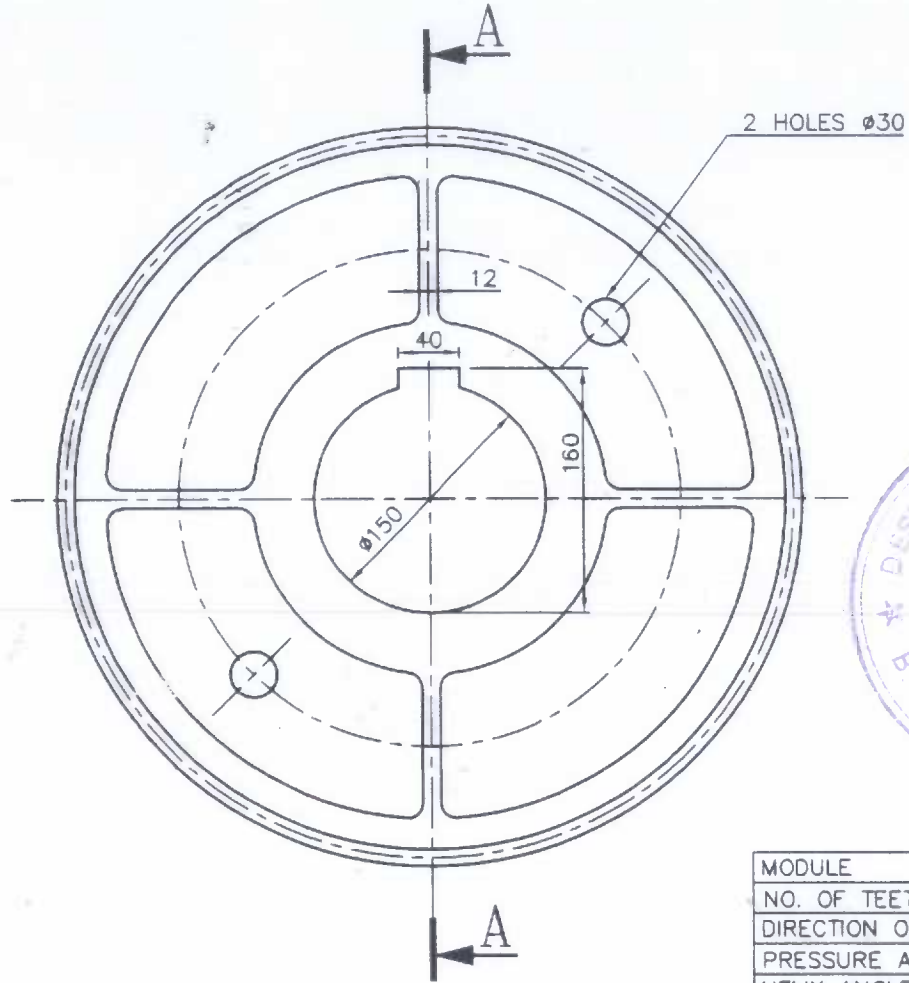
09-24-028

DRAWING No.

▽, (▽▽)



SECTION AA



MODULE	5
NO. OF TEETH	92
DIRECTION OF HELIX	L.H.
PRESSURE ANGLE	20°
HELIX ANGLE	15° APPROX
C. DISTANCE	282
TOOTH HARDNESS	HRC 45-50

MATCHING WITH PINION DRG. NO. 09-24-029.

MATERIAL: EN 24



BHARAT HEAVY ELECTRICALS LTD.
UNIT: CENTRAL FOUNDRY PORGE PLANT
RANIPUR, HARDWAR

NAME	SIGN	DATE	NO. OF VAR
DRN PRABHU		14.07.16	
CHD ANAMIKA		14.07.16	
APPR ARPIT			73 74

DEPT	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM No.	NO. OF ITEMS
CODE	NTS				75 77
TITLE : HELICAL GEAR	CARD CODE		DRAWING NO.		
OF MAIN HOIST			09-24-028		0
FOR 75T CRANE (M/C SHOP)					22 23 24
			SHEET No.	1	No. OF SHEETS 1

REV	DATE	ALTERED	REV	DATE	ALTERED	REV	DATE	ALTERED
		CHECKED			CHECKED			CHECKED

Ref. Drawing No.

Sign & Date

Inventory No.

FIRST ANGLE PROJECTION

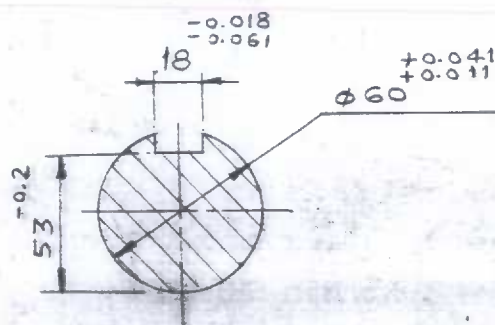
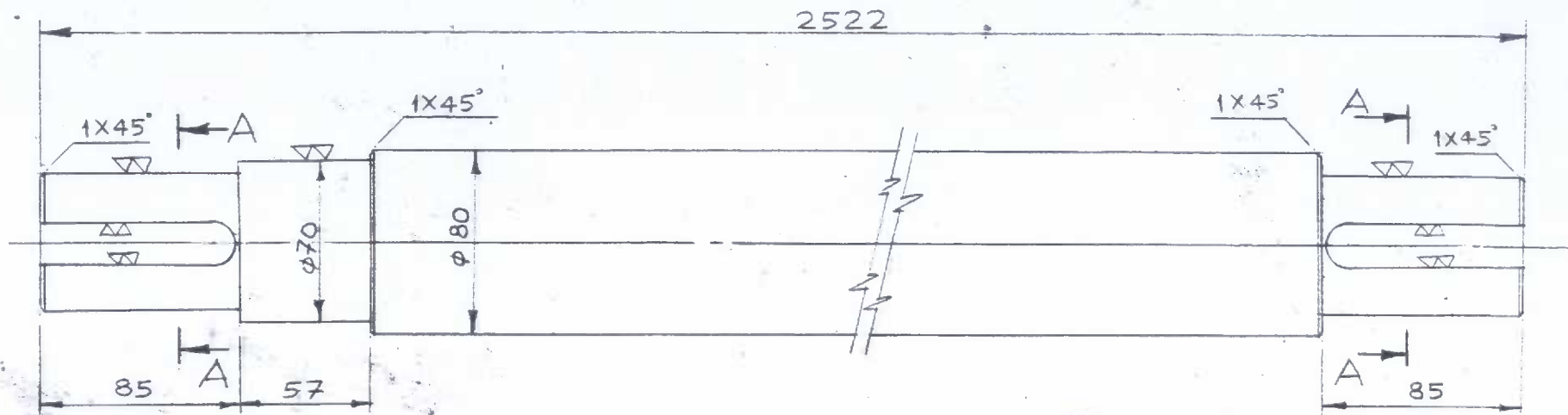
(ALL DIMENSIONS ARE IN M.M.)

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Ref. Drg. No.

Sign & Date

Inventory No.



SEC-AA

NOTE:-

(1) DRG. NO. TO BE PUNCHED ON THE ITEM.

ALL SHARP CORNERS TO BE ROUNDED OFF.

MATERIAL-EN-9



BHARAT HEAVY ELECTRICALS LIMITED.
UNIT:CENTRAL FOUNDRY FORGE PLANT.
HARDWAR

DEPT. DESIGN BUREAU	SCALE 1:2	WEIGHT(KGS.) 96.0	REF. to ASSY. DRG.	ITEM NO.
TITLE FLOATING SHAFT(NO.1) OF C.T. MOTION FOR 75/20T CRANE		NAME KISHORI LAL		
MIC SHOP		DATE 11.9.01		
Dimensions to be controlled Within Limits as Shown Machining Tolerance: ± 0.25 mm Unless Otherwise Shown. Non Machining Tolerance: $\pm$		DRAWING NO. 09,24,012		
SHEET NO. 1		NO. OF SHEETS 1		

SIZE-A.3