

*To*

### Surface Roughness Symbols

Dim.	Over		6		30		120		315		1000		2000		4000		New	N12	N17	N9	N8	N7	M6	GRO	HARDENING
	Upto & Inc		6		30		120		315		1000		2000		4000										
Tolerance	± 0.1		± 0.2		± 0.3		± 0.5		± 0.8		± 1.2		± 2		± 3		Old	~	▽	▽	▽	▽	▽	○	⊙

For other Roughness Symbols & Values See IS: 3073 (TS: 11507)

Do not scale the drg.

If in doubt, Ask

**HEADS OF ALL STARTING**

1 BE.

STDZ.

D.O.

Modification

14 TEETH WAS 12 TEETH MODIFIED AS PER T.I.E. REPORT DT-7-3-55, ARROW 2-3 DOW. CORRECTED

Zone

5. No.

Mod. No.

Date

14/3/95

(e)

44 $\phi$

$\pm 0.1$

4

14

$22 \pm 0.1$

$6.2862$

$3.23 - 0.1$

$\pm 6'$

$\pm 6'$

$200$

$200$

Unless otherwise stated ① All dimns. in mm.  
② Drg. drawn to first angle projection. ③

TEETH WILL AS SHOWN

③ 14 TEETH RADIAL BACK RELIEVED

MAX. DEVIATION ON A QUALITY CLASS AS PER D

HOB DATA
NORMAL MODUL
NORMAL PRESSURE
No OF START
HAND OF HELIX
TOOTH PITCH
HELIX ANGLE
HELIX & OF GASHING

Nominal dims		Tolerances in mm	
27φH5		+9 -0	

①	01	ASP 30	8800 610 240 01	✓ 25.1.74	SIGN & DATE
	00	M35 (5-6-5-2-5) (DN 13243)	8800 610 240 00		
	SL. No.	MATERIAL	MARK DRG. No.		

HRD & GRD

PROFILE - D-01

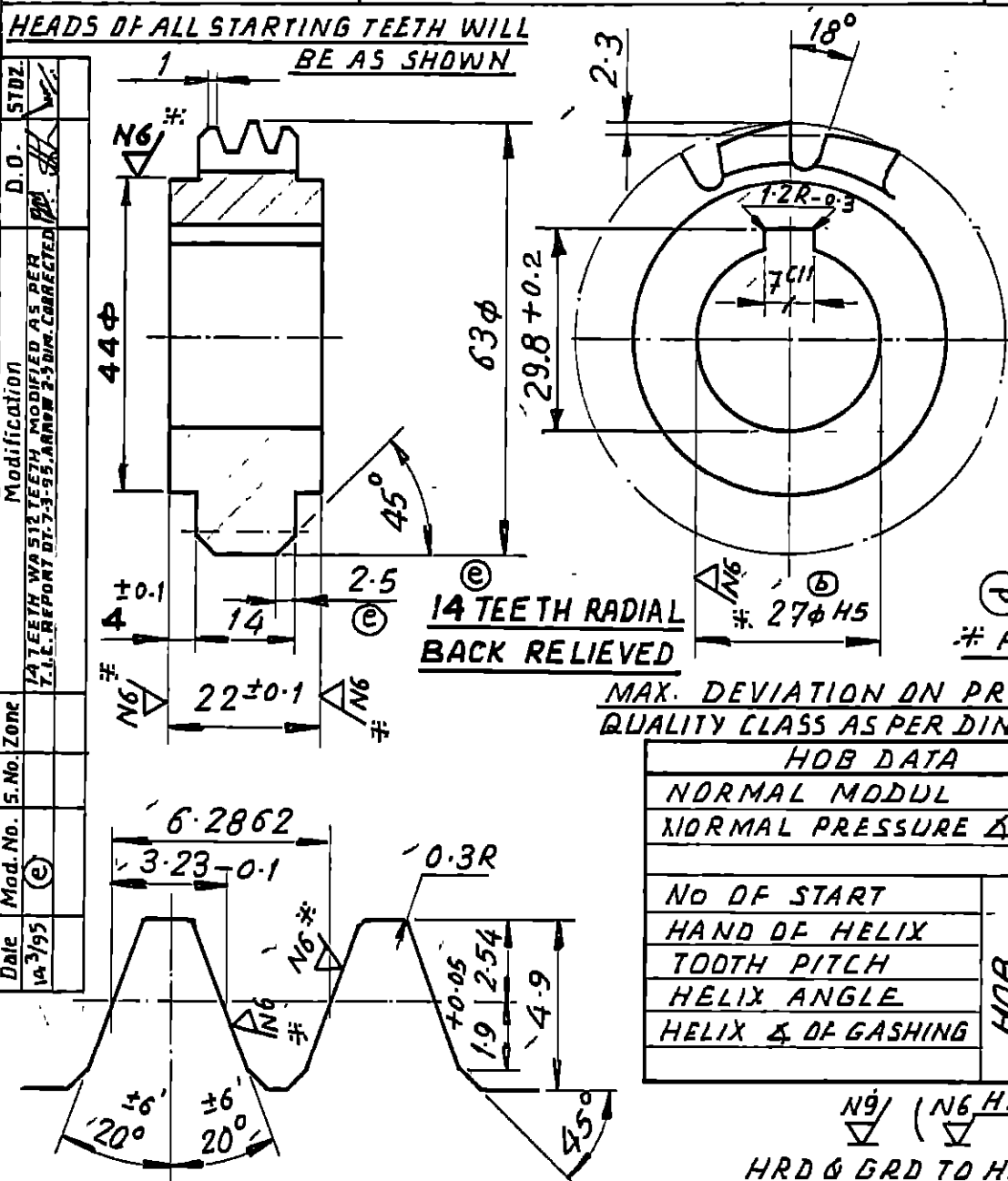
IN-3968 A

BOH	4	2
		20°
		ONE
		LEFT
		6-2862
	8	

HRD & GRD



HOB DATA		
NORMAL MODUL		2
NORMAL PRESSURE $\angle$		20°
NO OF START	HOB	ONE
HAND OF HELIX		LEFT
TOOTH PITCH		6.2862
HELIX ANGLE		-
HELIX $\angle$ OF GASHING		8

N9/ (N6 HRD & GRD)

HRD & GRD TO HRc 64-66 -

MARK HOB SPECIFICATION & DRG No.

Material Description	Size	Spec.	Std. No.	25.1.94	(d)			CHART FOR MATERIAL ADDED AS PER TIC REPORT FOR MATERIAL ASP 30	#	✓
(d)	5/5	90	(C)					Redrawn	Y	✓
	18	3	(b)	02				Dimn. 27ΦH5 WAS 27ΦH7	JBM MPL	-
	22	9	(a)	01				Drig regularised No. was 881561011200	JBM msk	VNH
Tolerances as per Std.				-	22	9	86			
<input type="checkbox"/> Measurements to be specially checked				Date	Mod No	S No	Zone	Modification	D.O.	STD.

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TATA ENGINEERING &  
LOCOMOTIVE CO. LTD.  
PUNE

1990	SIGN	DATE		Fin. Wt. in kg.	Surface protection as per Std.
DRN	<i>6024</i>	5/6			
CHD.	<i>1/2</i>	5/6			
<del>STG</del>	<i>✓</i>		Product/Group No.  <u>CAM SHAFT</u>	Replaces Drg.	
APPD.				Reference Drg. No. <u>8800 610 14500 -</u>	
Scale: <u>1:1 (5:1)</u>				Opp. Hand. Drg./Pt. No. <u>2523 0510 79 01</u>	
Drg./Part Designation <u>GEAR HOB</u> <u>MODUL-2</u>			Drg./Part No. <u>8800 610 240 00</u> @		
			Sheet No. <u>1</u> of <u>1</u> Sheets		