



PINION DATA	
NO OF TEETH	32
MODULE (D.P.=4.85)	5.237
ADDENDUM	5.334
WHOLE DEPTH	9.881
PITH DIA.	167.589
PITCH ANGLE.	37°-18'
PRESS. ANGLE	20°
SPRIAL ANGLE R.H.	30°
DED.ANGLE	1°-53'
CONE DISTANCE	138.265
FACE	38.1

NOTES :-

1. BEVEL PINION TO BE MESHED WITH BEVEL GEAR TO SKETCH NO. TME/SKETCH/1004. NOMINAL BACKLASH 0.12 TO 0.28 BEVEL GEAR TO BE LAPPED IN PAIRS. TO ACHIEVE MIN-50% LAPPED SURFACES.
2. TEETH TO BE CASE HARDENED AND TEMPERED. EFFECTIVE CASE DEPTH AT 500 HV TO BE WITHIN 1.3 TO 1.4 MM.
3. PITCH LINE RUN OUT NOT TO EXCEED 0.1 MM AFTER HARDENING & LAPPING.
4. ALL SHARP EDGES AND CORNERS TO BE REMOVED.
5. MACHINE ALL OVER.
6. AFTER LAPPING PINION TEETH ARE TO BE MCD TESTED .
7. HARDNESS ON TOOTH FACE 59 - 61 RC.
8. ALL DIMENSION ARE IN MM.

BEVEL PINION	IS:4432 Gr.15Ni7Cr4Mo2	92	6.24
DESCRIPTION	MATL. SPCN.	13	UNIT WT.

TITLE:

SKETCH NO.

SPIRAL BEVEL PINION

TME/SKETCH/1005