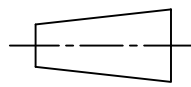


संदर्भ क्र. REF.NO.:		स्केल - 1:1 SCALE:- 1:1	APPROVED BY:-  f DG
<b>SPUR GEAR</b> (OEM PART NO.S6110-1)			FIRST ISSUED:-
			SUPERSEDES:-
RDSO. ELEC. DTE.	SKEL-4616 SHEET NO.1 OF 2	SUPERSEDED. BY:-	

दिनांक DATE	08-8-2002
अभिखित DRN	अजय
अनुखित TRD	
जांचा CHD	

**SPUR GEAR OEM PART NO:A-6110**  
**SKEL NO.-4616**

1. VISUAL INSPECTION

2. DIMENSIONAL CHECK

CHARACTERISTICS	DIMENSIONS
'A' Bore Diameter	ø17h7
'B' Keyway Width	5M7
'C' Keyway Depth	19.2+0.1
'D' Thread size of 4 nos Hole	M5
'E' Outside Diameter	ø147h9
'F' Diameter of boss (Front)	ø32
'G' Diameter of boss (Back)	ø28±0.3
'H' Total Thickness	25±0.2
'I' Thickness of Gear	8±0.2
'J' Length of Boss	15±0.2
'K' Centre distance of hole	25±0.2
'θ' Angular distance of marking from key way centre	45±30

3. GEAR PARAMETERS

(i) No of Teeth	96
• Module	1.5mm.
• Pressure Angle	20°
• Pitch circle dia.	ø144mm.
Span Dimension WZ"12 (Chorcal Thicknees over 12 teeth)	52.94 <sup>(0.040 TO 0.000)</sup>
(ii) Heat treatment Toughening Hardness	16-23HRC
• Directly not measurable	

4. RAW MATERAIL: Ultrasonis crack detecbon test on raw materail  
(Manufacture tests & guarantee certificates are considered acceptable)

Steel 20 Cr 13 to IS 1570	
Carbon%	0.16-0.25±0.02
Chromium%	12-14±0.10

ALTERNATE MATERIAL  
STEEL AISI-410

Carbon%	0.15 max
Chromium%	11.5-13.5±0.10

5. FINISHING

Red Marking, Chamfaring & Deburring  
▽▽ All Over Finish