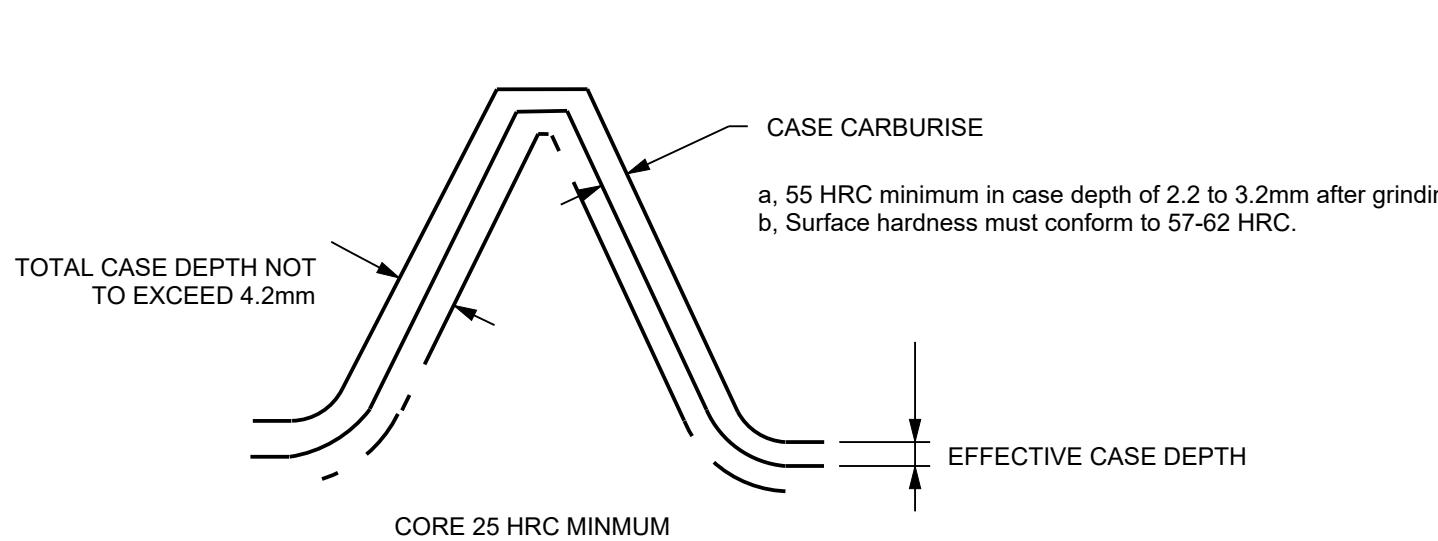
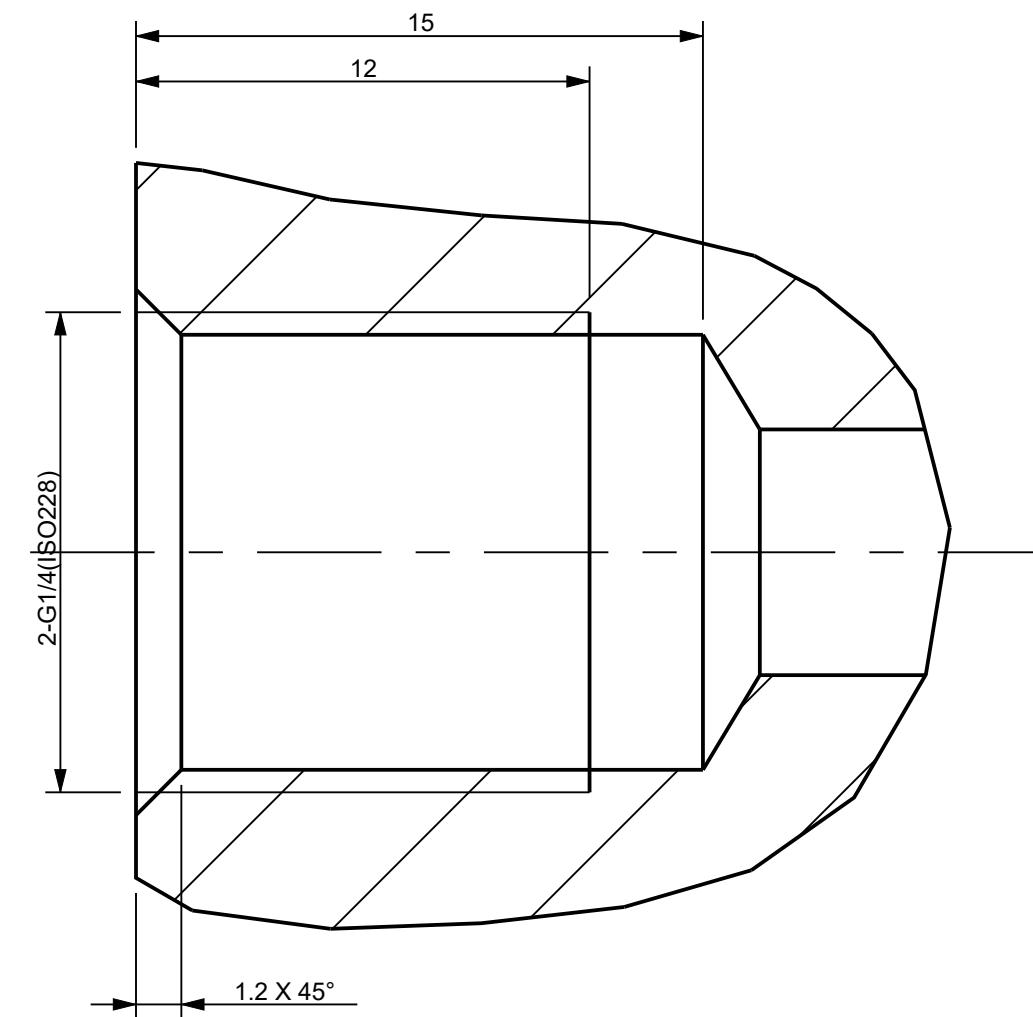
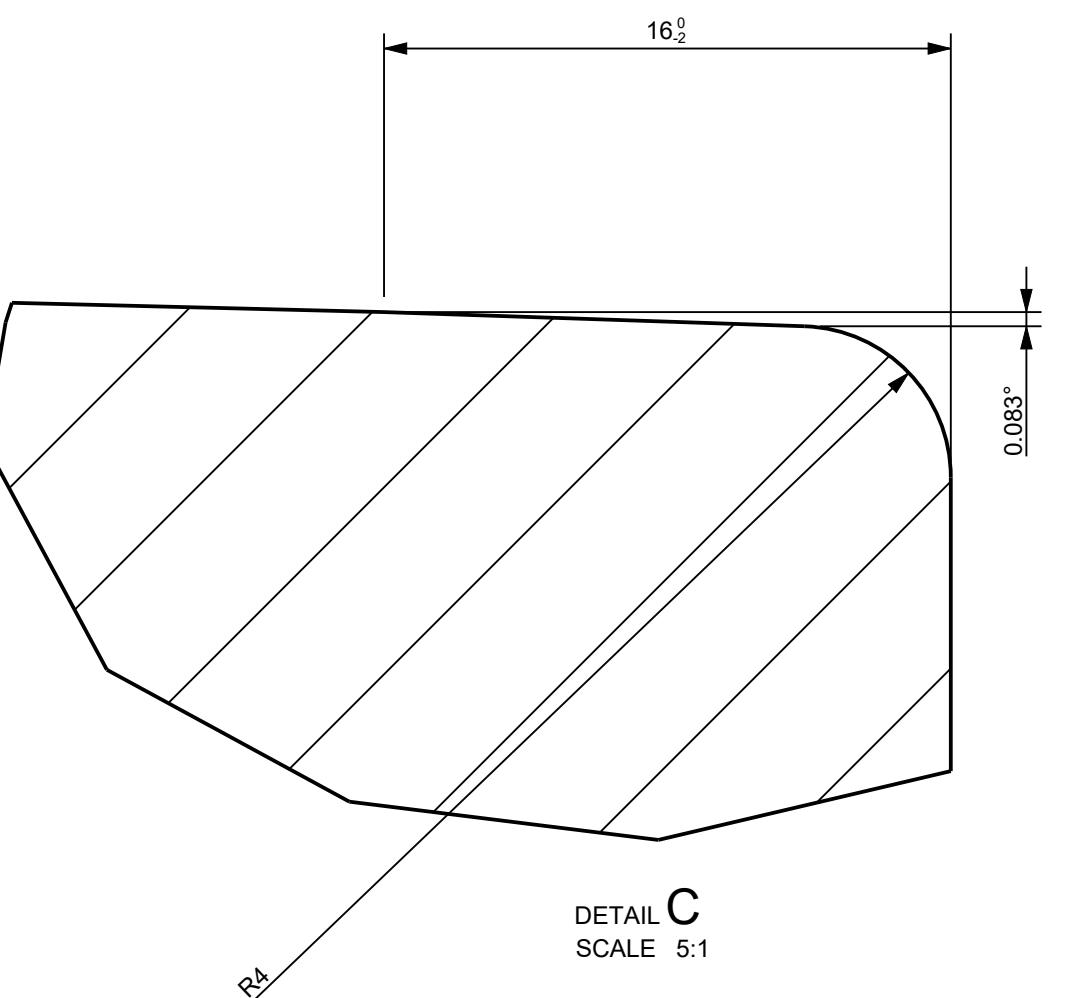


NOTE:

1. AFTER SHOT PEEN GRIND TEETH AND ROOTS. SURFACE FINISH INVOLUTE  $0.8^{\circ}$  AND FILLET  $3^{\circ}$
2. TEETH HARDENED AND GROUNDED.
3. CASE HARDENED BY CARBURISING.
4. AFTER HEAT TREATMENT SHOT-PEEN TEETH AND ROOTS WITH S330 SHOT 90% MINIMUM COVERAGE. PEENING INTENSITY 0.4 - 0.5 MM.
5. CRACK DETECTED MAGNETICALLY (WET FLUORESCENT) TO SPECIFICATION RS/ME/PR/026.
6. INSPECTION RESULTS FOR THESE DIMENSIONS REQUIRED ON DATA SHEET FOR EACH PINION AND MATERIAL AND HEAT TREATMENT CERTIFICATE
7. G = GROUNDED.
8. ULTRASONIC TEST CERTIFICATE IS REQUIRED.
9. MANUFACTURING STAMP AS INDICATED BELOW.....BATCH NUMBER, MONTH AND YEAR OF MANUFACTURING
- SUPPLIER NAME
- DRAWING NUMBER

10. BREAK ALL SHARP EDGES 3X3MM.

11. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE INDICATED.



BASIC SPECIFICATION		
NUMBER OF TEETH	17	
NORMAL MODULE	9	
NORMAL PRESSURE ANGLE	20	
PROFILE SHIFT CO-EFFICIENT	0.2866	
REFERENCE CIRCLE DIAMETER (PCD)	163	
ACTUAL CIRCULAR TOOTH THICKNESS	15.899	0 -0.05
TOOTH HEIGHT	23.271	
ADDITIONAL SPECIFICATION DATA		
DEEDENDUM	10.92	0.13 0.2
ADDENDUM	12.35	0 -0.05
TIP RELIEF ( $\mu\text{m}$ )	11	5 8
ROOT RELIEF ( $\mu\text{m}$ )	11	5 8
BASE DIAMETER	143.733	
CENTRE DISTANCE BETWEEN GEAR AND PINION	549.00	
CROWNING ( $\mu\text{m}$ )	20	10 15
REFERENCE PROFILE	1.50 / 0.20 / 1.1 DIN 56400:1984 (mm 0.1-0.6)	
MANUFACTURING AND INSPECTION DATA		
NUMBER OF TEETH FOR BTL	3	
BASE TANGENT LENGTH	70.33	-0.089 -0.136
NORMAL BACKLASH	0.230-0.400	
MANUFACTURED ROOT DIAMETER	130.897	0 -0.137
TIP DIAMETER	177.7	0 -0.1
TOOTH TIP CHAMFER ANGLE	45	
TOOTH QUALITY STANDARD	ISO 1328:1995 Quality 6	

