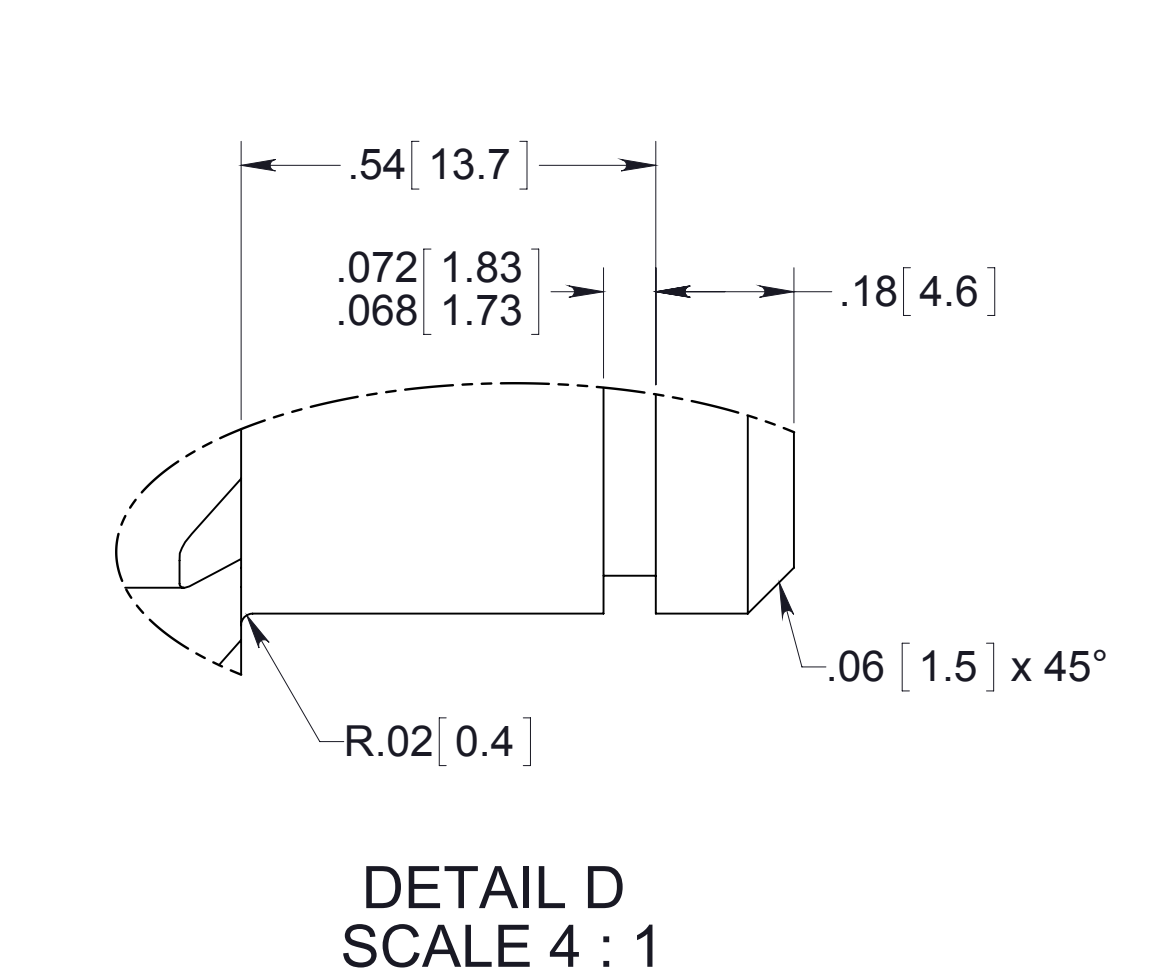
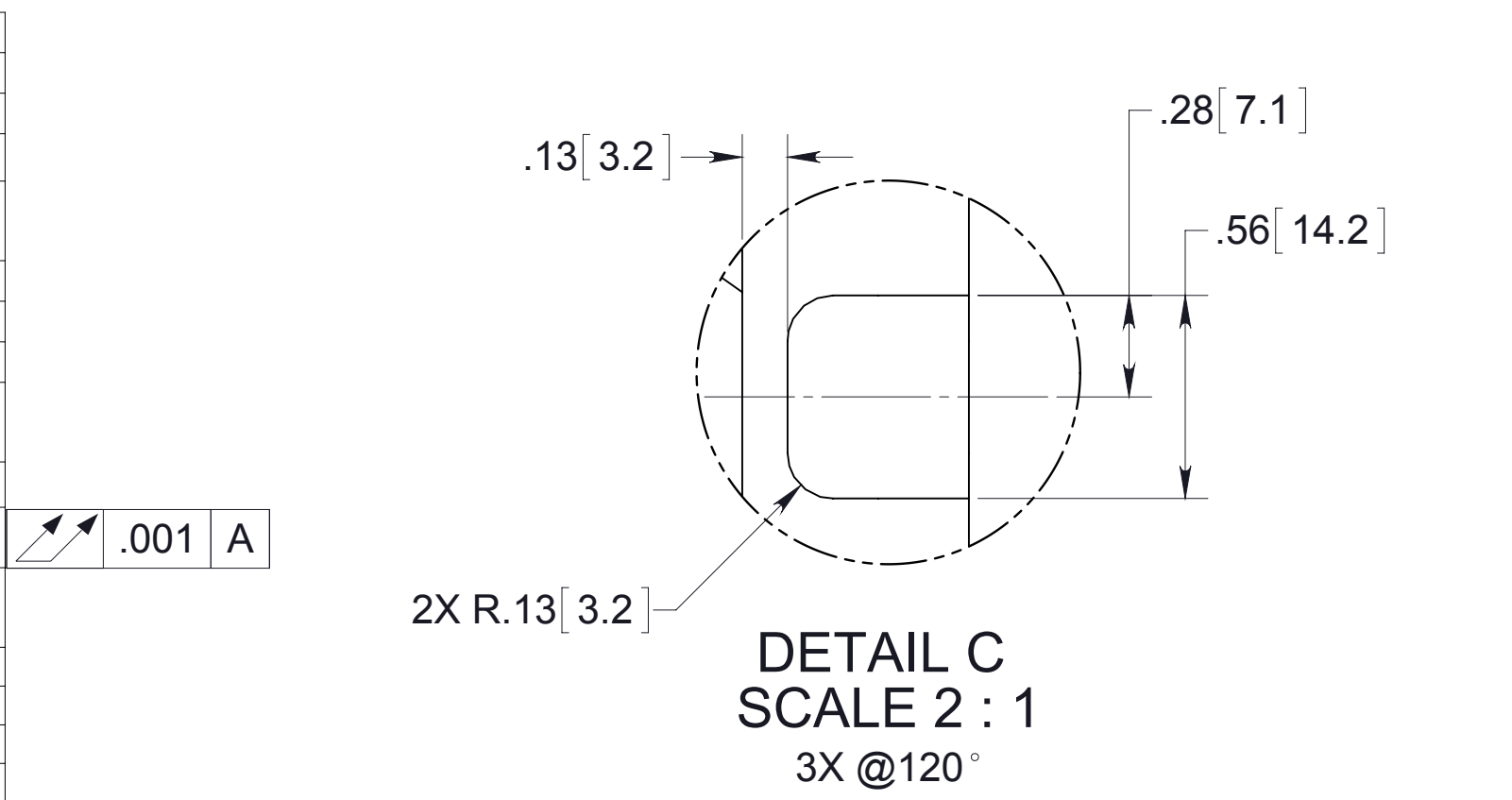



SPUR GEAR DATA	
NUMBER OF TEETH [z]	23
FACEWIDTH (in) [b]	5.000
NORMAL DIAMETRAL PITCH (in) [Pnd]	3.5
PRESSURE ANGLE AT NORMAL SECTION (°) [α _{fn}]	25°
ADDENDUM COEFFICIENT [haP*]	1.000
DEDENDUM COEFFICIENT [hfP*]	1.350
ROOT RADIUS FACTOR [rhofP*]	0.255
ACCURACY GRADE ACCORDING TO ISO1328	6
PROFILE SHIFT COEFFICIENT [X]	0.3224
REFERENCE DIAMETER (in) [d]	6.571
TIP DIAMETER (in) [da]	7.319 (0.000 / - 0.002)
ROOT DIAMETER (in) [df]	5.979 - 5.975
TIP RELIEF AMOUNT	0.0023
TIP RELIEF STARTING DIAMETER	7.129
TIP RELIEF TYPE	CURVED, BLENDED
END RELIEF AMOUNT	0.00039
END RELIEF LENGTH	1.075
NUMBER OF TEETH SPANNED [k]	4
BASE TANGENT LENGTH (UPPER) (UPPER) (in) [Wk.e]	3.100
BASE TANGENT LENGTH (LOWER) (LOWER) (in) [Wk.i]	3.098
PIN DIAMETER (in) [DMeff]	0.576
DIMENSION OVER TWO PINS (UPPER) (UPPER) (in) [MdR.e]	7.633
DIMENSION OVER TWO PINS (LOWER) (LOWER) (in) [MdR.i]	7.630
NUMBER OF TEETH MATING GEAR	69
MATING GEAR DWG	DT33290
CENTER DISTANCE	13.300



- NOTES:
1. CASE CARBURIZE AREA SHOWN, MASK ALL OTHERS.
 2. REFER TO SPEC ENG 726 FOR HEAT TREATMENT SPEC AND EFFECTIVE CASE DEPTH.
 3. CASE HARDNESS TO BE 58 - 62 HRC.
 4. CORE HARDNESS TO BE 30 - 34 HRC.

WELDING PROCEDURE AS PER			SPECIFICATION - ENG 704, UNLESS NOTED OTHERWISE			THIRD ANGLE PROJECTION			
THIS PRINT AND DESIGN AND DETAIL SHOWN THEREON ARE THE PROPERTY AND INVENTION OF THIS PRINT IS FURNISHED WITH THE UNDERSTANDING THAT IT IS NOT TO BE REPRODUCED WITHOUT PERMISSION AND RETURNED UPON DEMAND. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED BY	REMOVE SHARP CORNERS AND BURRS CASTING	± 1/16	TOLERANCE - UNLESS OTHERWISE SPECIFIED FABRICATING IMPERIAL			MODELED	INIT.	YY/MM/DD	
	⊙ CONCENTRICITY	.005 TIR	0 TO 24" ± 1/16" 1" TO 610 mm ± 1 mm			DRAWN	AXK	13/10/02	
	STRAIGHTNESS	± .005 IN 5 INCHES	610 TO 120" ± 3 mm			CHECKED	RLC	13/10/07	
	⊞ SQUARENESS	± .010 IN 5 INCHES	120" TO 120" ± 3/16" 1525 TO 3048 ± 5 mm			APPRVD	GRY	14/01/23	
	⊞ PARALLELISM	± .010 IN 5 INCHES	120" TO 280" ± 1/4" 3048 TO 7112 ± 7 mm			MATERIAL	AIS I 4320 PER SPEC CMS 401		
	⊞ FLATNESS	± .010 or as Shown	280" & OVER ± 1/2" 7112 TO OVER ± 13 mm						DO NOT SCALE DRAWING
	⊞ TRUE POSITION	.005	MACHINING IMPERIAL						
	MACHINED SURFACES	125	MACHINING METRIC			SHEET 1 OF 2			
	MIN. RADIUS UNLESS SHOWN = 0.03 MAX.			ANGULAR MACHINING			DT33296		
				0 1° FABRICATION ± 2°				REV A	

