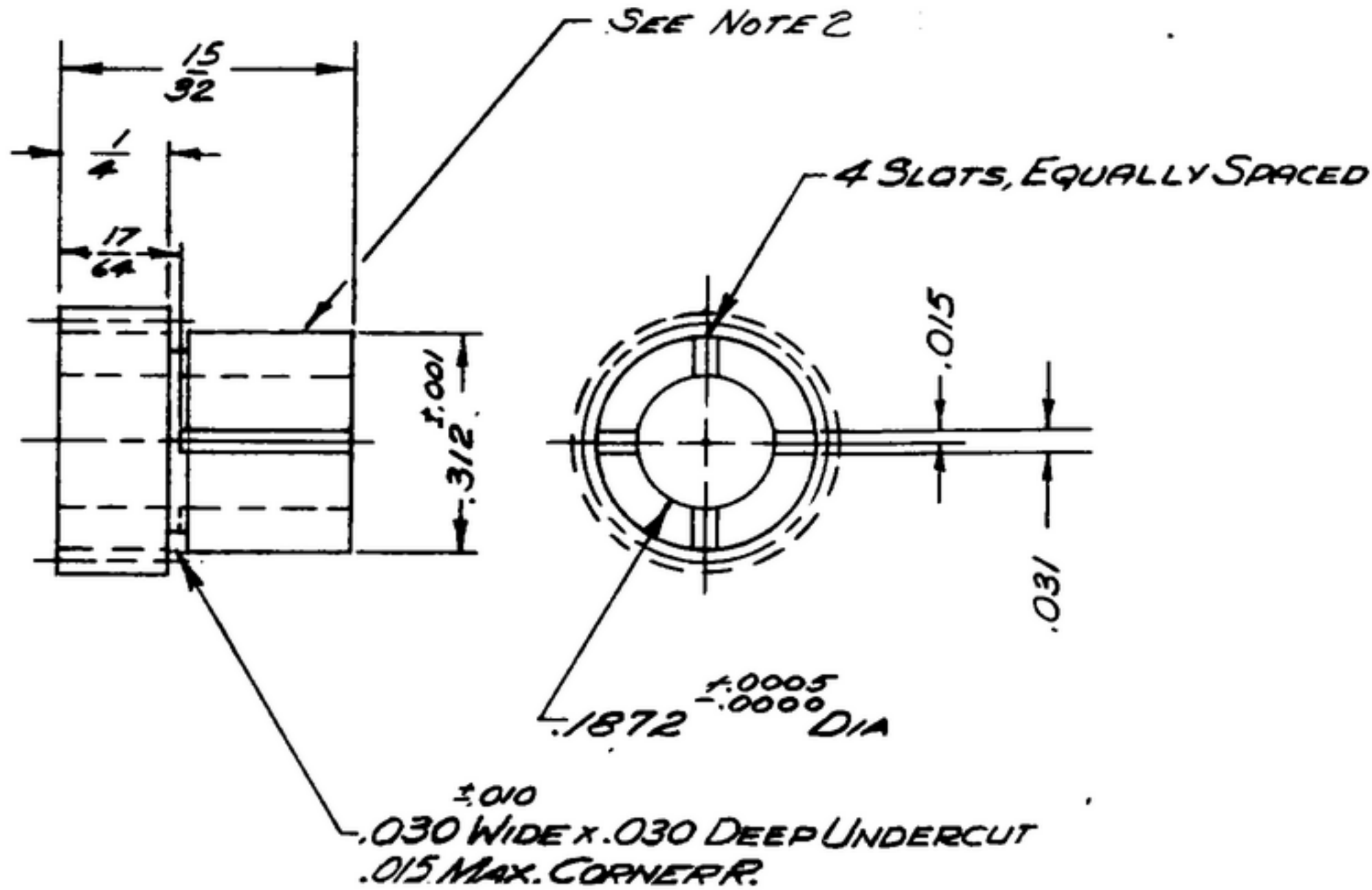


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* FOR INFORMATION ONLY. CONTRACTOR MAY AT HIS OPTION DEVIATE FROM THESE PROCESS DETAILS.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



NOTES:

- GEAR DATA.
 - NORMAL DIAMETRAL PITCH 48
 - NORMAL PRESSURE ANGLE 14 1/2
 - NUMBER OF TEETH 16
 - THEORETICAL PITCH DIA. .333

BACKLASH .001 TO .002 WHEN REFERRED TO THE THEORETICAL PITCH CIRCLE.
TOTAL COMPOSITE ERROR NOT TO EXCEED .003 WHEN MEASURED WITH MASTER GEAR.

AMERICAN STD. INVOLUTE TOOTH FORM ALL TERMS AS DEFINED BY A.G.M.A. STD.

- CUTTER RUNOUT PERMISSIBLE.

CR5, COMP 3035, COND B, SURFACE COND 4, PER SPEC MIL-5-7720.

FINISH: E300 PER SPEC MIL-F-14072
** COLLINS 580 0025 00*

COLLINS PART NO.	ISS	REQ	PART NO.	DESCRIPTION	MATL	MATL SPEC
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LIST OF MATERIAL *COLLINS PART NO. 558-0256-002*

DRAWN <i>HENRY</i> CHECKED <i>[Signature]</i> APPROVED _____				COLLINS-RADIS-80. -SEAR-RAPED-100W 14214-PH- 51-93		GEAR-SPUR	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY												
UNLESS OTHERWISE SPECIFIED: DECIMAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±.008 FRACTIONAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±1/64 MACHINED ANGLES MAY VARY ±1° SHEARED ANGLES MAY VARY ±.55° BROKEN ANGLES MAY VARY ±1° ECCENTRICITY BETWEEN ANY DIAMETERS ON THE SAME CENTERLINE SHALL NOT EXCEED .010 TOTAL INDICATOR READING. ALL DIMENSIONS ARE FINISH DIMENSIONS INCLUDING APPLIED FINISH AND ARE GIVEN IN INCHES.				SIGNAL CORPS REVIEWED <i>PME</i> APPROVED <i>HLV</i> <i>PME</i>															
APPLICATION <table border="1"> <thead> <tr> <th>COLLINS NO.</th> <th>QTY</th> <th>NEXT ASSY</th> <th>USED ON</th> </tr> </thead> <tbody> <tr> <td><i>558-0324-004</i></td> <td><i>1</i></td> <td><i>SM-D-248975</i></td> <td><i>SC-OL-248725</i></td> </tr> <tr> <td></td> <td></td> <td><i>SM-D-343600</i></td> <td></td> </tr> </tbody> </table>				COLLINS NO.	QTY			NEXT ASSY	USED ON	<i>558-0324-004</i>	<i>1</i>	<i>SM-D-248975</i>	<i>SC-OL-248725</i>			<i>SM-D-343600</i>		DATE <i>8 DEC 55</i> SCALE <i>4/1</i>	
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		<i>SM-D-343600</i>																	
						<i>SM-B-248907</i>													

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL, IF ANY, AND DATE