

EQUIP. TYPE R300A/URR EXP. NO. _____

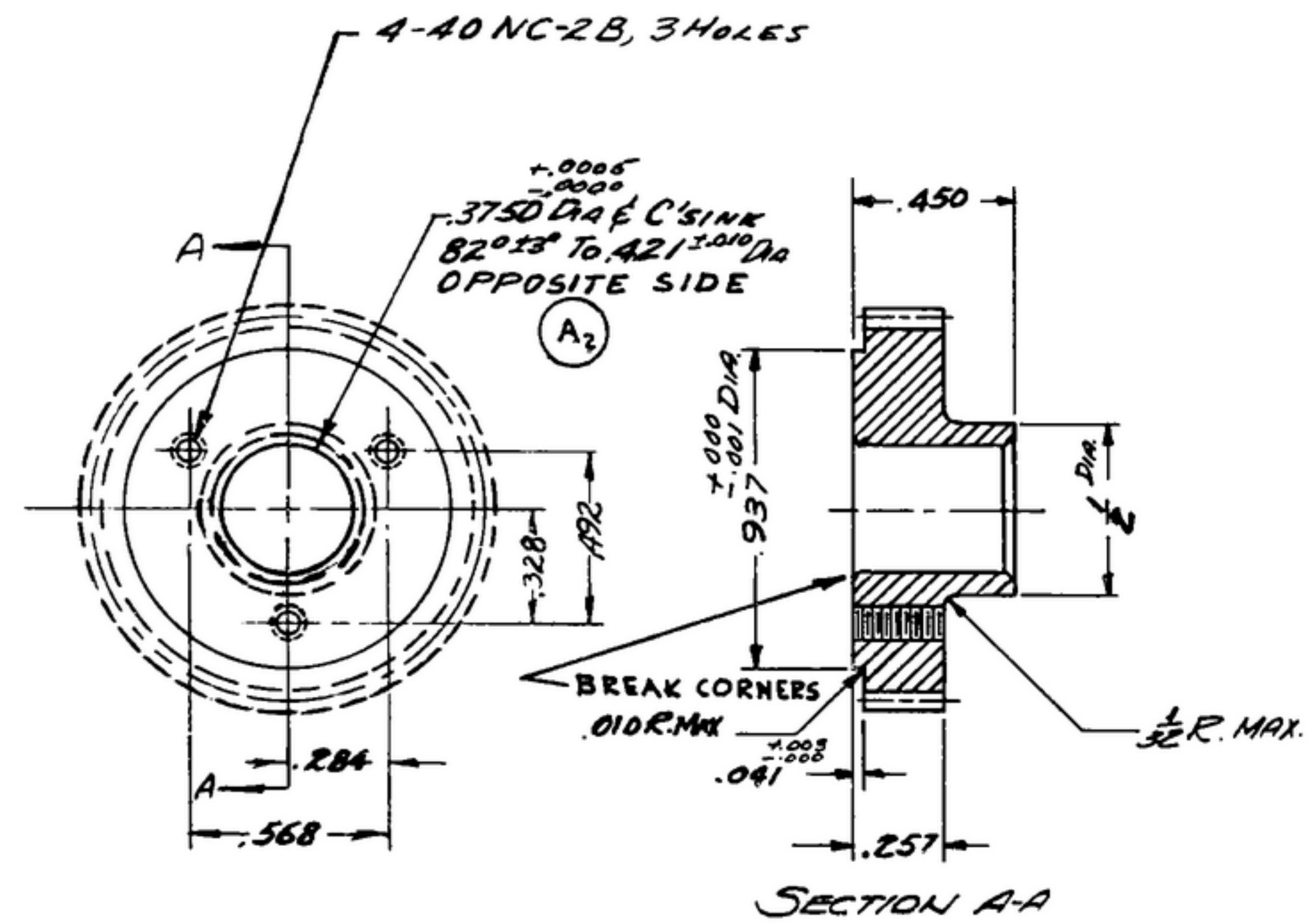
COL. 541102-002

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

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A₂	SWE APPROVAL		
SYM	RR10042-2		
A ₂	A. ADDED "MAT'L" & FINISH NOTE A ₂ CHAMFER OPPOSITE SIDE	10 DEC 59	42428-PC 59-A1-S1 REV'D PME



MATERIAL

CRES COMP 3035, COND A OR B, SURFACE COND d, PER SPEC MIL-5-7720.
FINISH: E 300 PER SPEC MIL-F-14072

(A₁)

- NOTES:**
1. REMOVE ALL BURRS.
 2. SCREW THREADS MUST BE PER BUREAU OF STDS HANDBOOK H28.
 3. GEAR DATA:
 NORMAL DIAMETRAL PITCH 48
 NORMAL PRESSURE ANGLE 14-1/2°
 NUMBER OF TEETH 54
 THEORETICAL PITCH DIAMETER 1.125
 BACKLASH .0015 TO .0025 WHEN REFERRED TO THE THEORETICAL PITCH CIRCLE.
 TOTAL COMPOSITE ERROR NOT TO EXCEED .003 WHEN MEASURED WITH MASTER GEAR.
 AMERICAN STANDARD INVOLUTE TOOTH FORM.
 ALL TERMS USED AS DEFINED BY A.G.M.A STANDARDS

COLLINS PART NO.	TYPE	QTY	PART NO.	DESCRIPTION	MATL	MATL SPEC.
LIST OF MATERIAL						
COLLINS PART NO. <u>558-0497-002</u>						

558-0498-002	SM-B-249146	SC-DL-248775
COLLINS NO.	QTY	USED ON
APPLICATION		

DRAWN ECS CHECKED h APPROVED _____

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 ±25°
 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.

COLLINS RADIO CO.
 CEDAR RAPIDS, IOWA
14214-PH-51-93

SIGNAL CORPS

REVIEWED PME

APPROVED HLV
PME

DATE 28 DEC 55 SCALE 2/1

DEPARTMENT OF THE ARMY
 SIGNAL CORPS ENGINEERING
 LABORATORIES

FORT MONMOUTH NEW JERSEY

SM-B-249145