

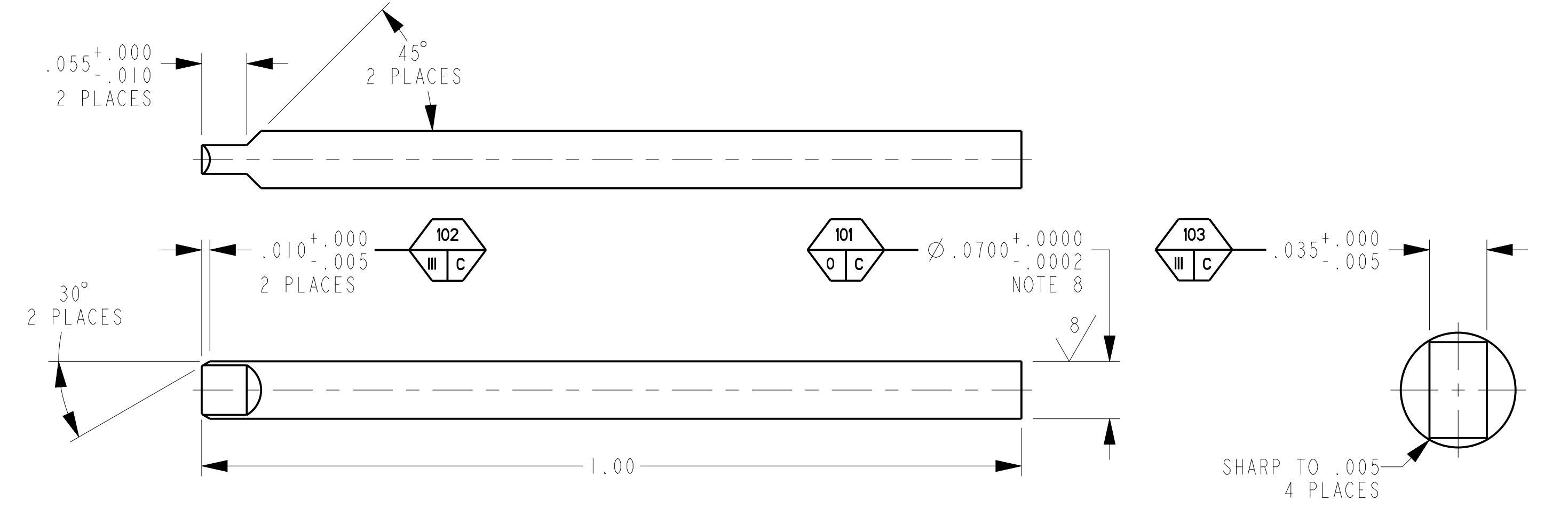
- NOTES:
- APPLICABLE SPECIFICATIONS AND STANDARDS:
 - MIL-G-10944.
 - ASME B47.1.
 - ANSI Y14.5-1973.
 - ASME Y14.100-2017.
 - MATERIAL:

GAGING MEMBER: ALLOY TOOL STEEL, TYPE A2 OR O1 PER ASTM A681.
 - SURFACE FINISH: 63 EXCEPT AS NOTED.
 - BREAK EDGES .03 EXCEPT AS NOTED. FILLET RADII SHALL BE R.03 EXCEPT AS NOTED.
 - LASER-ETCH ALL MARKINGS EXCEPT AS NOTED. ALL MARKINGS, WHETHER LASER ETCHINGS, LABELS, OR OTHER, SHALL BE PERMANENT AND LEGIBLE PER MIL-STD-130.
 - HARDNESS:

GAGING MEMBER: HRC 58 TO 62 OR EQUIVALENT.
 - PROTECTIVE FINISH:

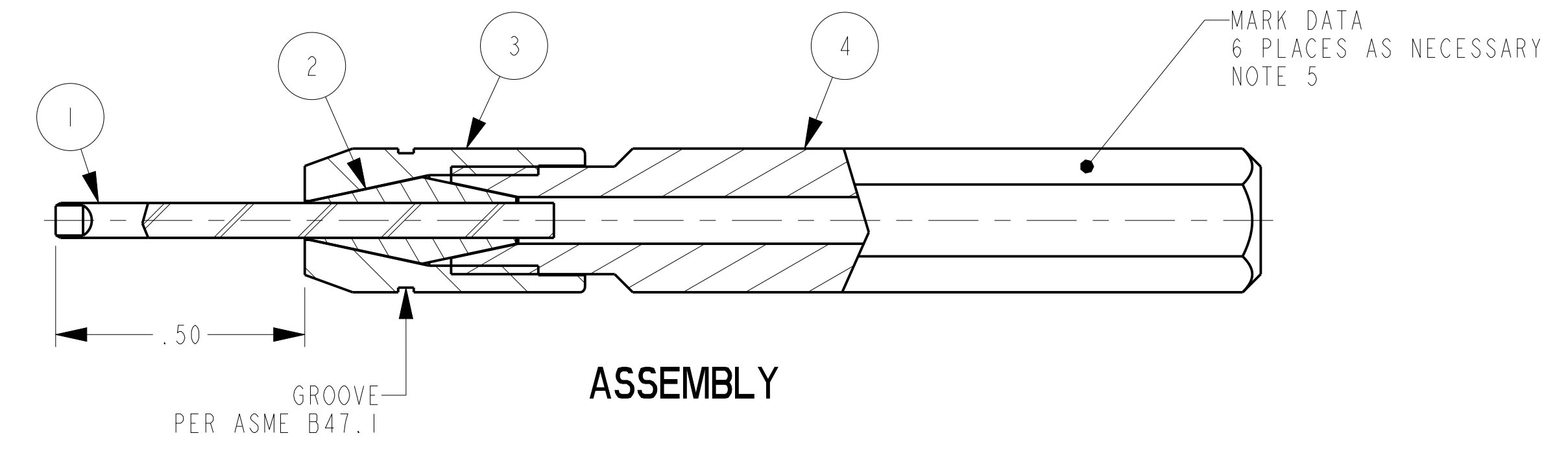
HANDLE: FINISH 7.2.2 OF MIL-STD-171. COLOR: BLACK.
 - NEWLY-PRODUCED GAGES SHALL MEET ALL REQUIREMENTS OF THE DRAWING. ANNUAL FIELD RE-CALIBRATION REQUIREMENTS ARE NOTED. WITH REGARD TO ANNUAL FIELD RE-CALIBRATION, A REVISION LETTER MAY BE MARKED ON THE GAGE PER EARLIER DRAWING REVISIONS.
 - ALL MAJOR QAP CHARACTERISTICS SHALL BE LISTED ON THE GAGE RECORD CARD IN THE BLOCK ENTITLED "REQUIRED COMPONENT DIMENSION." EACH DIMENSION SHALL BE MEASURED AND THE MEASUREMENT RECORDED IN THE BLOCK ENTITLED "ACTUAL GAGE DIMENSIONS." EACH CARD SHALL BE SIGNED AND DATED BY THE CONTRACTOR CERTIFYING THAT THE GAGE COMPLIES WITH THE REQUIRED DIMENSIONS SPECIFIED ON THE GAGE DRAWING AND SHALL BE PLACED IN THE PACKAGING WITH THE GAGE. EACH PACKAGE ASSEMBLY SHALL CONTAIN ONE GAGE AND THE GAGE RECORD CARD SPECIFIC TO THAT GAGE. THE GAGE RECORD CARD MUST BE COMPLETED AT THE TIME OF ACCEPTANCE BY THE ACCEPTANCE POINT (ORIGIN OR DESTINATION) IDENTIFIED IN THE CONTRACT.
 - THE LABEL OR OTHER MARKING SHALL CONTAIN A LINEAR BAR CODE (MACHINE-READABLE INFORMATION), ALONG WITH THE HUMAN-READABLE INTERPRETATION, REPRESENTING THE GAGE IDENTIFICATION NUMBER. A DUPLICATE LABEL OR OTHER MARKING SHALL APPEAR ON THE GAGE RECORD CARD IN THE BLOCK ENTITLED "IDENTIFICATION NO." EACH GAGE IDENTIFICATION NUMBER SHALL BE CHOSEN/ASSIGNED BY THE GOVERNMENT.
 - QUALITY ASSURANCE PROVISION REQUIREMENTS PER DRAWING NUMBER 12993884 APPLY.

REVISIONS			
REVISION	DESCRIPTION	DATE (YEAR-MO-DA)	APPROVED
D	REDRAWN WITH CHANGE NOR L11S3131 / 2011-10-17	2011-11-02	GJC
E	NOR L16S3118 / 2016-11-09	2016-11-17	NAS
F	NOR L19S3068 / 2020-01-08	2020-01-09	BAC



GAGING MEMBER
SCALE 8.000

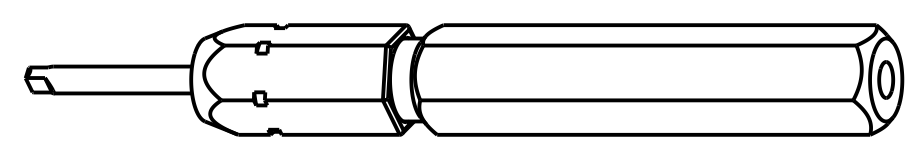
VIEW L-L
SCALE 16.000



ASSEMBLY

ITEM OR FIND NO.	QTY. REQ.	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS
4	1	05047	IW-S	HANDLE	PER ASME B47.1
3	1	05047	IW	COLLET NUT	PER ASME B47.1
2	1	05047	I-W-0.070	COLLET BUSHING	PER ASME B47.1
1	1	05047	IW-S	GAGING MEMBER	PER ASME B47.1

- 104: 8 SURFACE FINISH OF WORKING SURFACES
- 201: NO MISSING OR DEFECTIVE PROTECTIVE FINISH
- 202: WORKMANSHIP



ISOMETRIC VIEW
SCALE 2.000

MARK DATA IN BLOCK BELOW ON GAGE IN POSITION SHOWN

12620101 - [] PRIME CONTRACTOR'S CAGE CODE

RIFLE/CARBINE, 5.56 MM NOT GO ϕ .070 FIELD SERVICE

[] LABEL OR OTHER MARKING NOTE 5 NOTE 10

THIS DRAWING WAS GENERATED FROM A SOLID MODEL AND IS CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

PART NO. 12620101

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PMIC	DO NOT SCALE DRAWING		CONTRACT NUMBER		DESIGN ACTIVITY US ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER PICATINNY ARSENAL, NEW JERSEY 07806-5000
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACTOR		
MECHANICAL PROPERTIES	M231	TOLERANCES ON ANGLES $\pm 2^\circ$		DRAWN BY: R. BROWN DATE: 1979-03-30	
	M4A1	2 PLACE DECIMALS $\pm .02$		CHECKER: W. STEVENS ENGINEER: V. ESCALONA	
YP	M4	3 PLACE DECIMALS $\pm .020$		ENGINEER: R. BROWN QUALITY ENGINEER: M. SEIZ	
EL2	M16A4	THIRD ANGLE PROJECTION		DRAWING APPROVAL: R. BROWN 1979-03-30	
RA	M16A3	[Symbol]		DESIGN APPROVAL: J. WINDHAM 1979-03-30	
BH	M16A2	MATERIAL ENGR: [Symbol]		SCALE: 4.000 UNIT WT: N/A SHEET 1 OF 1	
RH		MODELED BY: R. BROWN			
APPLICATION					

PLUG GAGE,
NOT GO SPECIAL