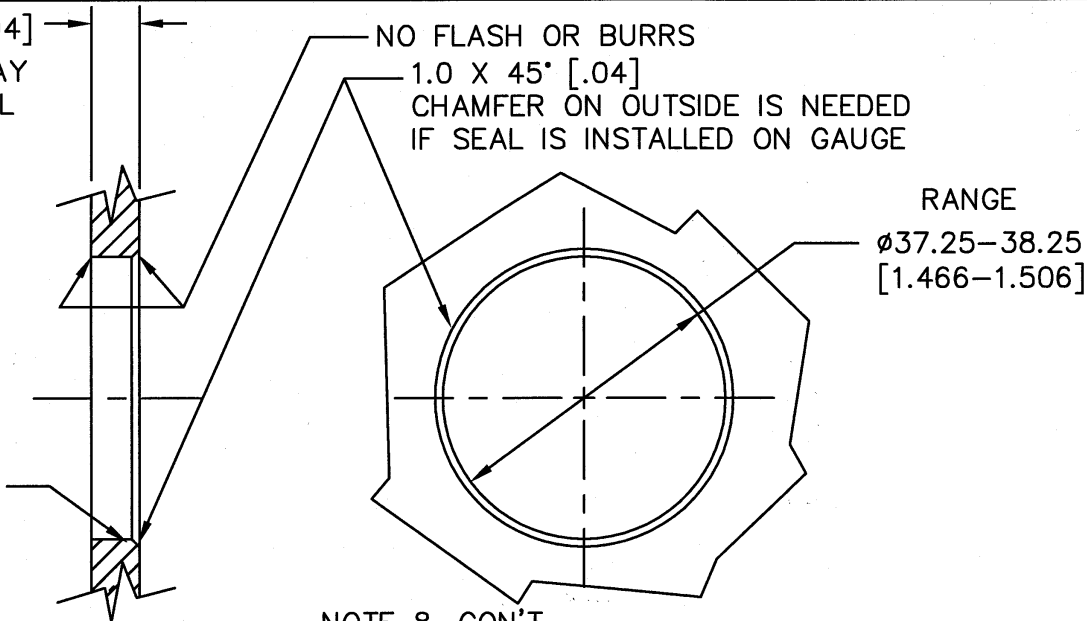


MATERIAL

DRAWING NUMBER  
MS-520

4.0-10.0 MAXIMUM [.157-.394]  
TOTAL THICKNESS RANGE MAY  
NOT BE SUITABLE FOR TOTAL  
RANGE OF DIAMETERS.



**6.** SEALING SURFACE MUST PROVIDE ADEQUATE SEAL

NOTE 8. CON'T.

**NOTES:**

1. DIMENSIONS IN BRACKETS ARE IN INCHES.
2. TOLERANCES ARE IN MILLIMETERS.
3. FOR 37.25 DIA. OPENING, SEAL SHOULD BE INSTALLED INTO TANK PRIOR TO THE GAUGE'S INSTALLATION INTO THE SEAL/TANK.
4. CHAMFER IS OPTIONAL IF SEAL IS INSTALLED IN TANK OPENING PRIOR TO GAUGE INSTALLATION.
5. TOP MOUNTING USE ONLY.
- 6.** ALL ASSEMBLIES SHOULD BE LEAK TESTED TO ASSURE ADEQUATE SEAL.
7. COMBINATION OF SHARP INTERIOR CORNER AND SMALLER THAN NORMAL TANK OPENING COULD CUT GROMMET. CORNER BREAK OR EVEN A SMALL ROLL BURR ARE PREFERRED OVER SHARP CORNER.
8. THE FIT OF THE GAUGE IN THE OPENING IS SOMEWHAT SUBJECTIVE. TRY SEVERAL TANK OPENING DIAMETERS FOR

- BOTH EASE OF ASSEMBLY AND GAUGE RETENTION. AS A GENERAL RULE, THE SMALLER END OF HOLE DIAMETER RANGE WORKS BETTER AS TANK THICKNESS APPROACHES A MINIMUM. A TEMPORARY RUBBER LUBRICANT SUCH AS INTERNATIONAL PRODUCTS CORP. P-80 MAY BE HELPFUL.
- 8A. WETTED PORTION OF NITRILE RUBBER GROMMET WILL SWELL AFTER TANK IS FILLED WITH FUEL. TYPICAL TEST RESULTS FOR 0015-00985 ARE:  
FUEL A, +1%; FUEL B, +19%; OIL NO. 3, +2%; FUEL C, +35%;  
FUEL C WITH 10% ETHANOL, +48%; REF. ASTM D471-06
  - 8B. TAKE INTO ACCOUNT GROMMET SWELL WHEN CONSIDERING GROMMET MATERIAL STRESS.
  9. USE VITON GROMMET 0015-001007 FOR E85.

G	REVISE NOTE 8 AND ADD NOTE 9	25617	6/5/09																
LET	REVISIONS	E.R.#	DATE	LET	REVISIONS	E.R.#	DATE	LET	REVISIONS	E.R.#	DATE	LET	REVISIONS	E.R.#	DATE	LET	REVISIONS	E.R.#	DATE
TOLERANCES		ΔΔΔ	ΔΔΔ	ANGLES	MAT'L: COMMERCIAL	THIRD ANGLE	DO NOT SCALE	SUPERSEDES	DRAWN	CHK.	E.R.#	USED							
NOT SHOWN		±.010	±.005	±1°	TOLERANCES	PROJECTION	DRAWING	6/26/06	JJ		25617	ON							
<b>R</b> ROCHESTER GAUGES, INC., OF TEXAS				SCALE				DATE		PART NAME				DRAWING NUMBER					
DALLAS, TEXAS, U.S.A.				1=1				6/5/09		MACHINING STANDARD				MS-520					