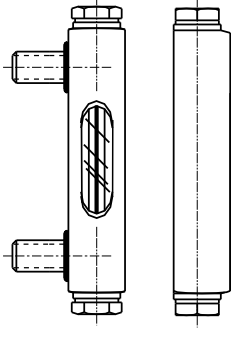
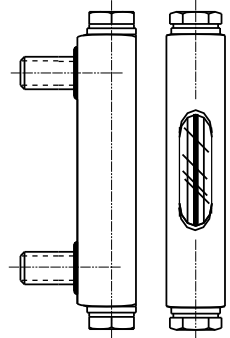
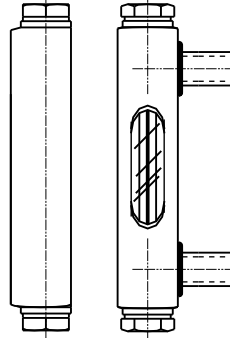
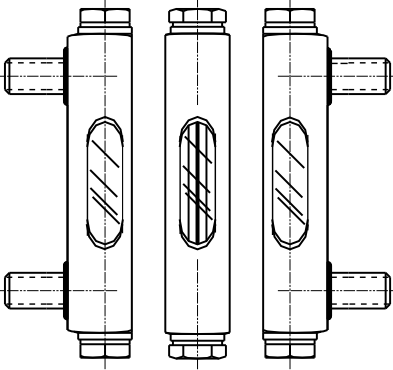
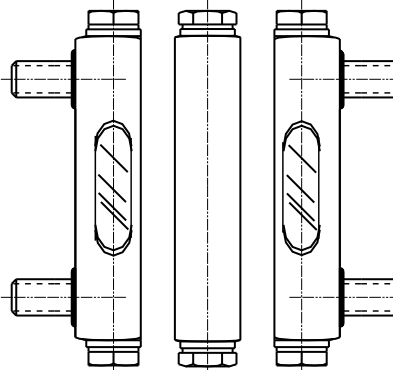


ENG. STD. 109 - SIGHT OPENINGS & PRESSURE RATINGS

<p>Left side opening ENG. STD. 109.01</p> 	<p>Front opening furnished as standard ENG. STD. 109.02</p> 	<p>Right side opening ENG. STD. 109.03</p> 	<p>MODIFICATIONS AVAILABLE: ENG. STD. 109.08.</p> <p>1. SIGHT MODIFICATIONS:</p> <ul style="list-style-type: none"> A. Polycarbonate B. Clear borosilicate C. Ball float indicator <p>2. SURFACE FINISH:</p> <ul style="list-style-type: none"> A. Aluminum <ul style="list-style-type: none"> 1. Clear anodize 2. Color anodize 3. Mil. Spec. anodize B. Brass or steel <ul style="list-style-type: none"> 1. Zinc plate 2. Nickel plate 3. Chrome plate <p>3. SPECIAL MARKINGS - EXAMPLES:</p> <ul style="list-style-type: none"> A. No markings B. Run C. Oil level D. Full E. Refill F. Add G. Hot H. Cold J. Fuel <p>4. MOUNTING BOLT THREADS</p> <ul style="list-style-type: none"> A. 1/2 - 13 B. M12 x 1.75 C. M10 x 1.50 <p>5. MADE TO ORDER Steel, stainless steel or brass</p> <p>6. FRACTIONAL CENTERS MADE TO ORDER PLEASE SPECIFY WHEN ORDERING.</p>
<p>Left, front and right openings ENG. STD. 109.04</p> 	<p>Left and right openings ENG. STD. 109.05</p> 		

* **MAXIMUM RECOMMENDED WORKING PRESSURE IN PSI, ENG. STD. 109.07
FOR .50 (12.70mm) DIA. BOROSILICATE REDLINE GAGE GLASS.**

MOUNTING CENTERS INCHES (mm)	PRESSURE RATING PSI (kPa)	MOUNTING CENTERS INCHES (mm)	PRESSURE RATING PSI (kPa)	MOUNTING CENTERS INCHES (mm)	PRESSURE RATING PSI (kPa)
3-9 (76.2 - 228.6)	290 (1999.5)	17 (431.8)	250 (1723.8)	26 - 31 (660.4 - 787.4)	185 (1275.6)
10 & 11 (254 & 279.4)	275 (1896.1)	18 & 19 (457.2 & 482.6)	240 (1654.8)	32 - 37 (812.8 - 939.8)	160 (1103.2)
12 & 13 (304.8 & 330.2)	270 (1861.7)	20 & 21 (508 & 533.4)	230 (1585.8)	38 - 49 (965.2 - 1244.6)	130 (896.4)
14 & 15 (355.6 & 381)	260 (1792.7)	22 & 23 (558.8 & 584.2)	225 (1551.4)	50 - 61 (1270 - 1549.4)	100 (689.5)
16 (406.4)	255 (1758.2)	24 & 25 (609.6 & 635)	210 (1447.9)	62 - 72 (1574.8 - 1828.8)	75 (517.1)

* **FOR .88 (22.23mm) DIA. BOROSILICATE REDLINE GAGE GLASS.**

3 - 9 (76.2 - 228.6)	235 (1620.3)	17 (431.8)	215 (1482.4)	26 - 31 (660.4 - 787.4)	185 (1275.6)
10 & 11 (254 & 279.4)	230 (1585.8)	18 & 19 (457.2 & 482.6)	210 (1447.9)	32 - 37 (812.8 - 939.8)	160 (1103.2)
12 & 13 (304.8 & 330.2)	228 (1572.1)	20 & 21 (508 & 533.4)	205 (1413.5)	38 - 49 (965.2 - 1244.6)	130 (896.3)
14 & 15 (355.6 & 381)	225 (1551.4)	22 & 23 (558.8 & 584.2)	200 (1379.0)	50 - 61 (1270 - 1549.4)	100 (689.5)
16 (406.4)	220 (1516.9)	24 & 25 (609.6 & 635)	195 (1344.5)	62 - 72 (1574.8 - 1828.8)	75 (517.1)

- All pressure ratings for temperatures to 150°F (65.6°C) and no corrosion.
- All pressure ratings for gages without dial or card thermometers.
- For gages with dial thermometers, maximum pressure is 125 PSI (861.9kPa) unless lower rating is shown in chart. Mounting centers will determine the pressure rating.

* **.50 (12.70mm) DIA. GLASS FOR .88 (22.23mm) NOMINAL SQ. BODY;
.88 (22.23mm) DIA. GLASS FOR 1.25 (31.75mm) SQ. BODY.**



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**ENG. STD. FOR SIGHT OPENINGS &
PRESSURE RATINGS**

5/07 **ENG. STD. 109**
ISO9001:2000 CERTIFIED