

ABS & Steel Case, Dry



100 SERIES

- General purpose non-fillable dry gauge
- Vacuum and compound ranges through 0 psi to 15,000 psi
- 1-1/2", 2", 2-1/2" and 4" gauge sizes
- Standard impact-resistant ABS & steel case
- Copper alloy and brass wetted parts

OPERATING SPECIFICATIONS

1. Working Pressure Limitations

a. Dynamic Pressure

The working pressure should be limited to 60% of the dial range.

b. Static Pressure

The working pressure, where no sharp fluctuations occur, should be limited to 90% of the dial range

APPLICATIONS

- Hydraulics & pneumatics
- Medical
- Pumps & compressors
- Refrigeration controls
- Utilities
- Water management

	SERIES	SPECIFICATIONS
Pressure ranges	100 Series (all)	Vacuum and compound ranges through 0 psi to 15,000 psi
Accuracy	15-100, 15-110, 15-120, 20-100, 20-110, 20-120, 20-148, 25-100, 25-110, 25-120	±2.5% full scale
	40-100	±1.6% full scale
Temperature ranges*	100 Series (all)	Media -4 °F to 140 °F (-20 °C to 60 °C) Ambient -40 °F to 140 °F (-40 °C to 60 °C)
Measuring element	100 Series (all)	Copper alloy Bourdon tube
Connection	15-100, 15-110, 15-120, 20-100, 20-110	1/8" NPT, brass
	20-148	1/8" NPT/10-32 Female, brass
	20-100, 20-110, 20-120, 25-100, 25-110, 25-120, 40-100	1/4" NPT brass SAE J1926-3:7/16-20
Case	15-100, 15-110, 20-100, 20-110, 20-148, 25-100, 40-100	ABS (Acryl Nitril Butadien Styrol)
	15-120, 20-120, 25-120	Black painted steel with chrome triangular bezel and U-clamp
Bezel	15-110, 20-110, 25-110	Built-in bezel, molded as an integral part of the case for ease of panel mounting.
	15-120, 20-120, 25-120	Chrome-plated steel triangular bezel
Lens	100 Series (all)	Acrylic
Pointer	100 Series (all)	Molded plastic
Dial	100 Series (all)	White background with black primary scale & red secondary scale. UV resistant.
Movement	100 Series (all)	Brass & nylon, or all-brass with highly polished bearing surfaces

* For every 18 °F (10 °C) shift in temperature from which the gauge is calibrated, the user can experience up to ±0.4% additional error.

For details on accuracy/standard dial configuration and dial layouts, see pages 54-59.

ORDERING INFORMATION							
GAUGE SIZES	15 1-1/2"	20 2"	25 2-1/2"	40 4"			
CASE TYPES	100 ABS, bottom connection	120 Steel case panel mount					
	110 ABS, back connection	148 Square ABS, panel mount (2" only)					
PRESSURE RANGES	30vac -30 inHg vacuum to 0 psi	30/300 -30 inHg to 0 to 300 psi	200 0 psi to 200 psi	2000 0 psi to 2,000 psi			
	30/15 -30 inHg to 0 to 15 psi	15 0 psi to 15 psi	300 0 psi to 300 psi	3000 0 psi to 3,000 psi			
	30/30 -30 inHg to 0 to 30 psi	30 0 psi to 30 psi	400 0 psi to 400 psi	5000 0 psi to 5,000 psi			
	30/60 -30 inHg to 0 to 60 psi	60 0 psi to 60 psi	600 0 psi to 600 psi	6000 0 psi to 6,000 psi			
	30/100 -30 inHg to 0 to 100 psi	100 0 psi to 100 psi	1000 0 psi to 1,000 psi	10000 0 psi to 10,000 psi			
	30/160 -30 inHg to 0 to 160 psi	160 0 psi to 160 psi	1500 0 psi to 1,500 psi	15000 0 psi to 15,000 psi			
	30/200 -30 inHg to 0 to 200 psi	Other ranges available on request					
SCALE OPTIONS***	psi psi single scale	psi/kPa psi/kPa dual scale	psi/kg/cm² psi/kg/cm ² dual scale	psi/bar psi/bar dual scale			
CONNECTION SIZES	1/8 1/8" NPT	SST SAE J1926-3.7/16-20 Adjustable	1/4 1/4" NPT				
OPTIONS	PMC Panel Mount Clamp	SSC Stainless Steel Case	LL Polycarbonate Lens	ST Stainless Steel Tagging			
	SSB Polished Stainless Steel Bezel	CRC Chrome Case	GL Glass Lens*	CPO Brass Sintered Orifice 20 Micron			
	BLRF Black Rear Flange	FAC Flat Sided ABS Case	SG Safety Glass Lens*	BP1 Brass Press Fit Orifice 0.1 mm			
	BLFF Black Front Flange – ABS Case	BCR Black Cover Ring**	HL Homalite Lens*	BP3 Brass Press Fit Orifice 0.3 mm			
	CFF Chrome Front Flange – ABS Case	SSCR Stainless Steel Cover Ring**	SP Red Set Pointer**	BP8 Brass Press Fit Orifice 0.8 mm			
	SBFF Black Front Flange – Steel Case	CCR Chrome Cover Ring**	MIP Maximum Indicating Pointer				
	SCFF Chrome Front Flange – Steel Case	PCCR Polished Chrome Cover Ring**	SDM Silicone Dampened Movement				
	BSC Black Steel Case	CAR Chrome Adapter Ring*	LM Laser Marking				

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

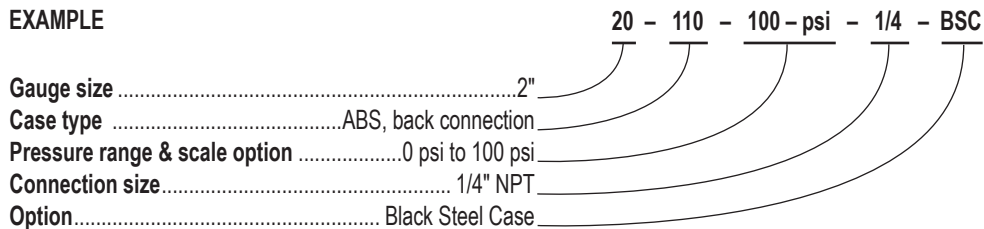
NOTE: Refer to 100 Series options & accessories chart on page 50 for availability by part number.

* A steel, stainless or chrome case & cover ring must be additionally ordered when lenses other than acrylic are utilized on all 100 Series.

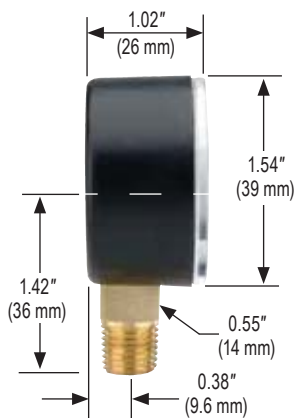
** Only 110 Series require a steel, stainless or chrome case & cover ring to be additionally ordered when utilizing a set pointer or cover ring. Please consult factory when a set pointer is to be utilized on a 120 Series.

*** Other scales available on request

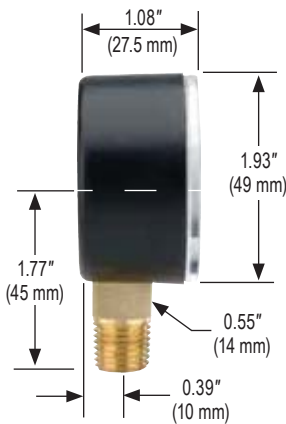
EXAMPLE



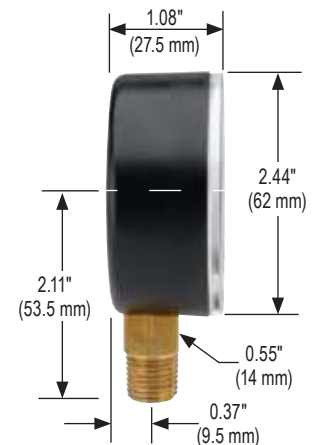
15-100



20-100

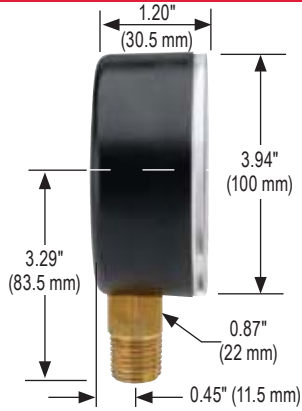


25-100

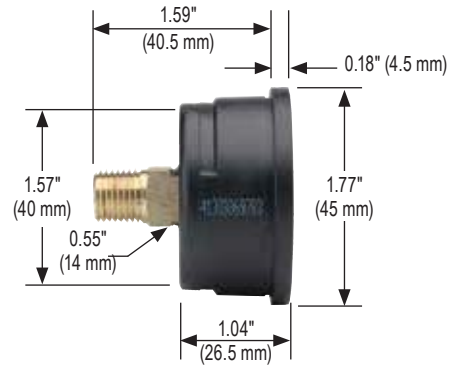


Dimensions

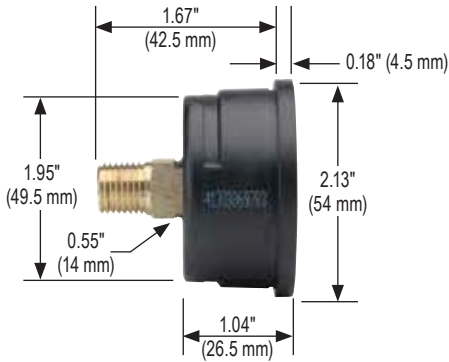
40-100



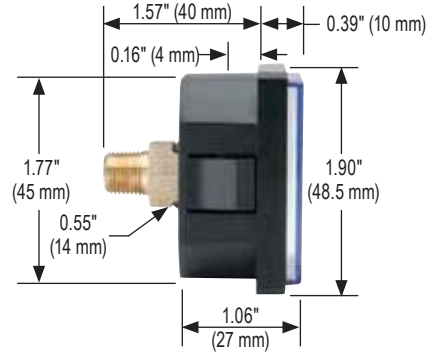
15-110



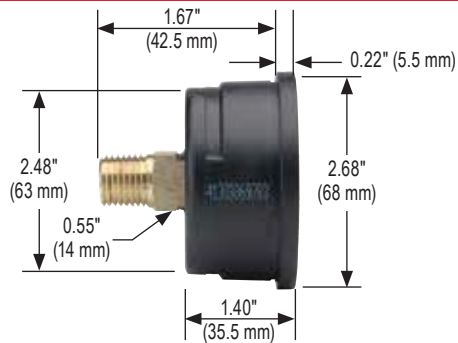
20-110



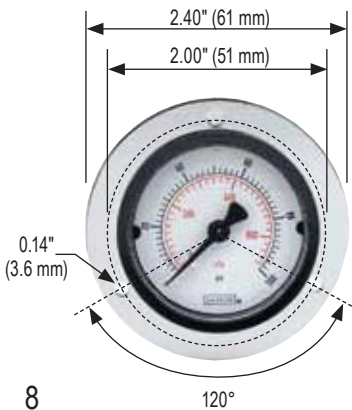
20-148



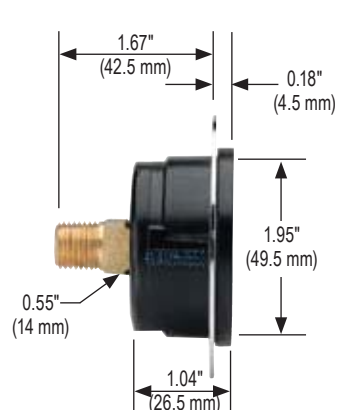
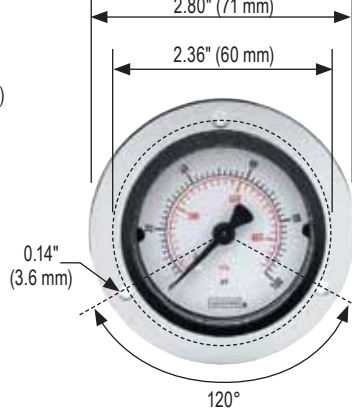
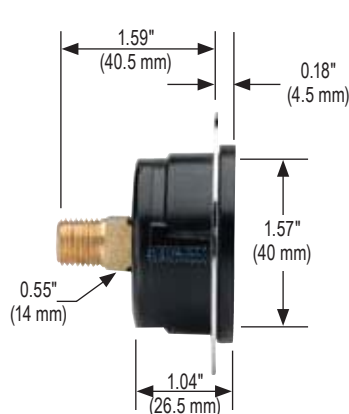
25-110



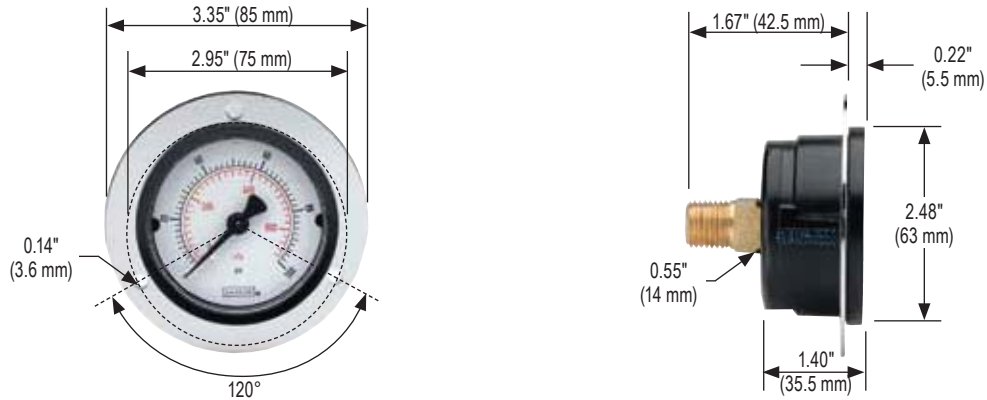
15-110 Front Flange



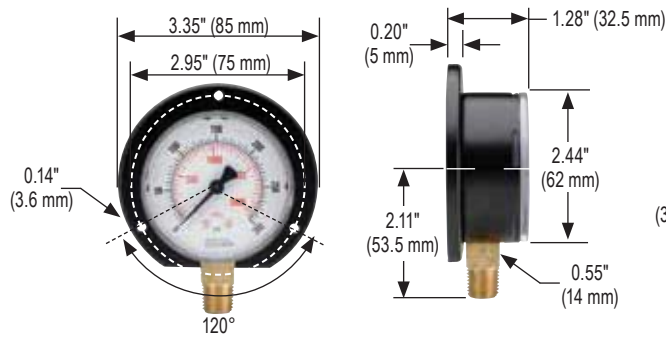
20-110 Front Flange



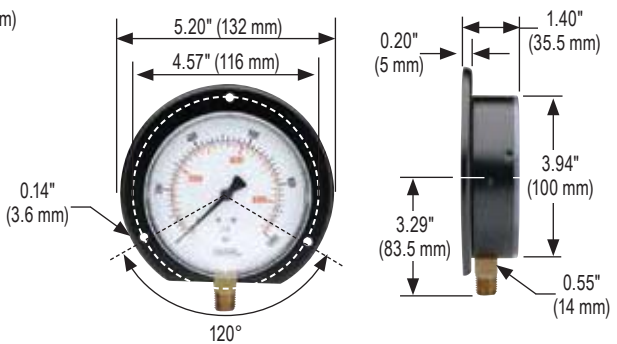
25-110 Front Flange



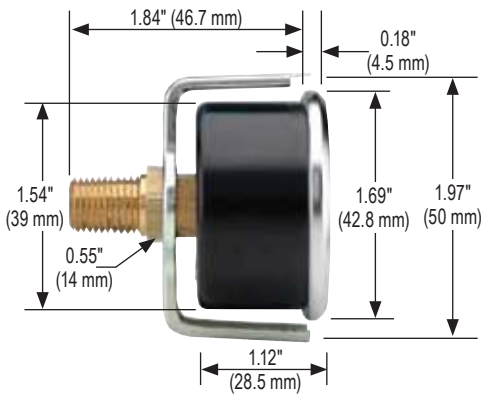
25-100 Rear Flange



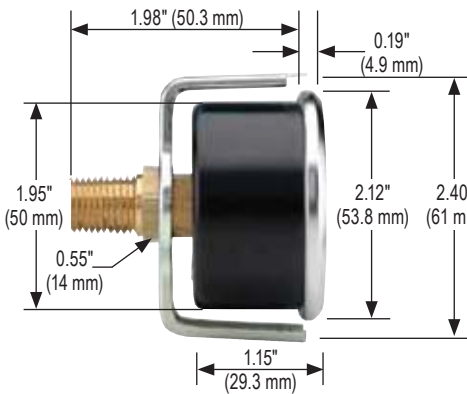
40-100 Rear Flange



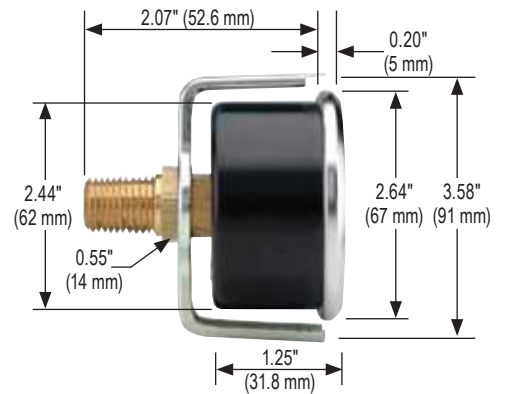
15-120 Chrome Bezel With U-Clamp



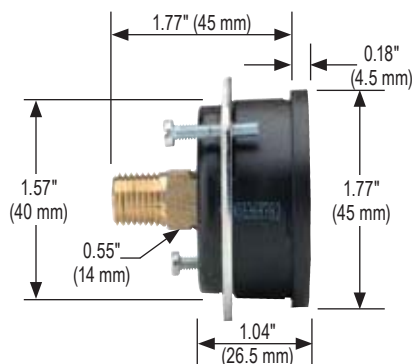
20-120 Chrome Bezel With U-Clamp



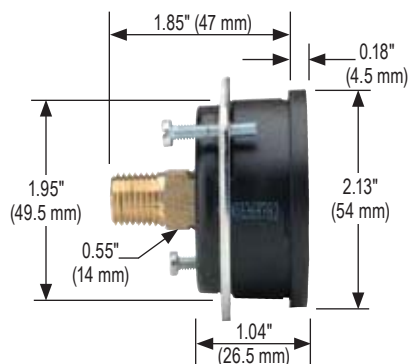
25-120 Chrome Bezel With U-Clamp



15-110 Panel Mount Clamp



20-110 Panel Mount Clamp



25-110 Panel Mount Clamp

