

Data Sheet

1008S 40mm (1½") & 50mm (2") Stainless Steel Case Pressure Gauge

FEATURES

- All SS construction
- True Zero™ reduces reading errors by using a "zero box" instead of conventional dial pins
- FlutterGuard™ (option) reduces movement wear and pointer flutter
- Liquid fillable option

TYPICAL USES

- Where space limitations exist
- Control valves - corrosion resistant gauge
- Hydraulic tools
- Outdoor installation



1008S
50mm dial size
Back connection

1008S
50mm dial size
Lower connection



1008S
50mm dial size
Center back connection
with U-clamp



1008S
40mm dial size
Back connection

1008S
40mm dial size
Lower connection

SPECIFICATIONS

Accuracy:	±3-2-3% of span (ASME, B40.100 Grade B)
Process connection location	Lower and center back
Ranges:	40mm: Vacuum, compound to 15,000 psi 50mm: Vacuum, compound to 20,000 psi
Movement:	304 SS, gear type
Window:	Polycarbonate
Pointer:	Black, aluminum
Weather Protection:	NEMA 4/IP66
Dampening Options:	FlutterGuard™ and throttle plugs

WETTED COMPONENTS

Model	Bourdon Tube	Process Connection Materials	Joints
1008S	316L SS	316L SS	Welded

NON-WETTED COMPONENTS

Model	Case	Ring
1008S	304 SS (standard)	316 SS (standard) crimped

MIN/MAX TEMPERATURE LIMITS

Version	Ambient	Process	Storage
Dry	-40°F to 200°F (-40°C to 93°C)	-40°F to 250°F (-40°C to 121°C)	-40°F to 200°F (-40°C to 93°C)
Glycerin Fill	20°F to 150°F (-7°C to 66°C)	20°F to 200°F (-7°C to 93°C)	0°F to 150°F (-18°C to 66°C)
Silicone Fill	-40°F to 150°F (-40°C to 66°C)	-40°F to 200°F (-40°C to 93°C)	-40°F to 150°F (-40°C to 66°C)
Halocarbon® Fill	-40°F to 150°F (-40°C to 66°C)	-40°F to 200°F (-40°C to 93°C)	-40°F to 150°F (-40°C to 66°C)



KEY BENEFITS

- Where space limitations exist
- New crimped ring for tighter seal and IP66 rating
- For severe outdoor and corrosive applications

Data Sheet

1008S 40mm (1½") & 50mm (2") Stainless Steel Case Pressure Gauge

ORDERING CODE	Example:	501008	S	L	02	L	XC4	100#
Dial Size/Model Code								
401008 - 40mm dial								
501008 - 50mm dial								
System								
S - 316L SS tube/316 SS process connection								
Case Fill								
Blank - Dry liquid fillable								
L - Liquid filled case (glycerin standard)								
Process Connection Size								
01 - ⅛ NPT Male								
02 - ¼ NPT Male, N/A on 40mm lower connect gauges								
RW - ⅞ x 20 SAE								
Process Connection Location								
L - Lower mount connection								
B - Center back connection								
Options (If choosing an option(s) must include an "X")								
C4 - Individual calibration chart in accordance with ASME B 40.100 traceable to N.I.S.T.								
ZY - FlutterGuard™ performance								
6B - Cleaned for oxygen service								
SG - Safety glass								
FF - Front flange								
UC - U-clamp								
NH - SS tag wired to case								
RG - Regular glass								
YW - 316L SS case and ring								
Ranges (See range table for all standard ranges)								
Single Scale								
100# - 100 psi								

Data Sheet

1008S 40mm (1½") & 50mm (2") Stainless Steel Case Pressure Gauge

STANDARD PRESSURE RANGES					
	psi	bar	kPa	MPa	kg/cm ²
Vacuum	30IMV	N1BR	N100KP	N0.1MP	N1KG
	-	N1/0.6BR	N100/60KP	N0.1/0.06MP	N1/0.6KG
	30IMV&15#	-	-	-	-
Compound	-	N1/1.5BR	N100/150KP	N0.1/0.15MP	N1/1.5KG
	30IMV&30#	-	-	-	-
	-	N1/3BR	N100/300KP	N0.1/0.3MP	N1/3KG
	30IMV&60#	-	-	-	-
	-	N1/5BR	N100/&500KP	N0.1/0.5MP	N1/5KG
	-	-	-	-	-
	30IMV&100#	-	-	-	-
	-	N1/9BR	N100/900KP	N0.1/9MP	N1/9KG
	15#	1BR	100KP	0.1MP	1KG
	-	1.6BR	160KP	0.16MP	1.6KG
Positive Pressure	30#	-	-	-	-
	-	2.5BR	250KP	0.25MP	2.5KG
	60#	4BR	400KP	0.4MP	4KG
	-	6BR	600KP	0.6MP	6KG
	100#	-	-	-	-
	-	10BR	1000KP	1MP	10KG
	160#	-	-	-	-
	200#	-	-	-	-
	-	16BR	1600KP	1.6MP	16KG
	300#	-	-	-	-
	-	25BR	2500KP	2.5MP	25KG
	400#	-	-	-	-
	600#	40BR	4000KP	4MP	40KG
	800#	-	-	-	-
	-	60BR	6000KP	6MP	60KG
	1000#	-	-	-	-
	1500#	100BR	10000KP	10MP	100KG
	2000#	-	-	-	-
	-	160BR	16000KP	16MP	160KG
	3000#	-	-	-	-
	-	250BR	25000KP	25MP	250KG
	4000#	-	-	-	-
	5000#	-	-	-	-
	6000#	400BR	40000KP	40MP	400KG
	-	600BR	60000KP	60MP	600KG
	8000#	-	-	-	-
	10000#	-	-	-	-
	15000#	1000BR	100000KP	100MP	1000KG
	⁽¹⁾ 20000#	1400BR	140000KP	140MP	1400KG

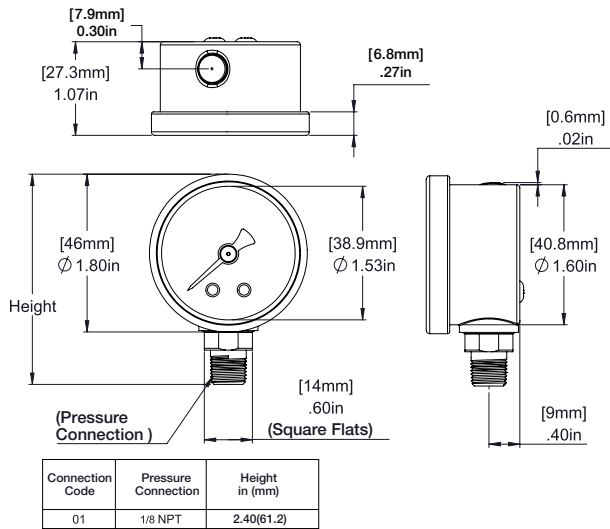
⁽¹⁾ Only available on 50mm size

Data Sheet

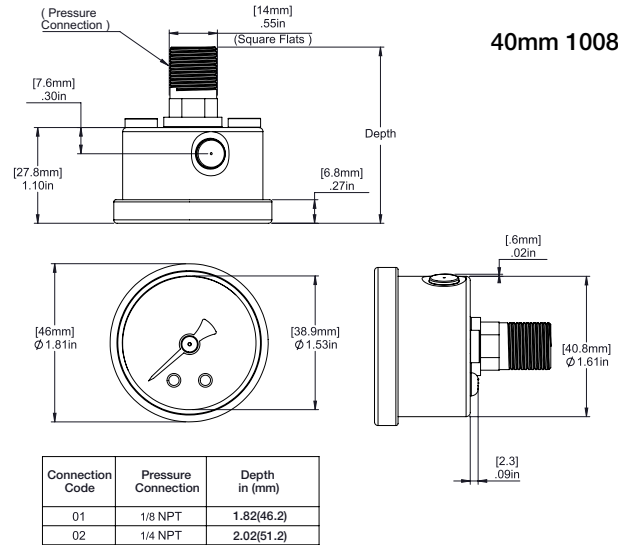
1008S 40mm (1½") & 50mm (2") Stainless Steel Case Pressure Gauge

DIMENSIONS dimensions in [] are millimeters

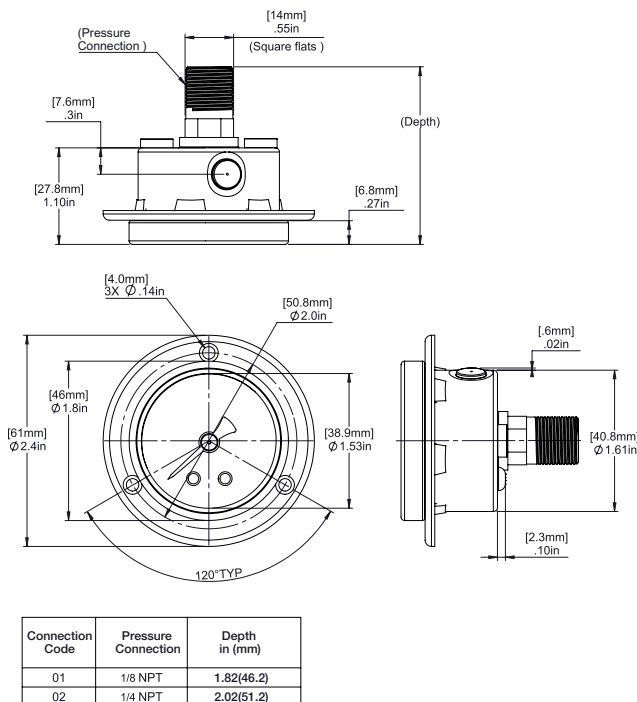
40mm 1008S 01L



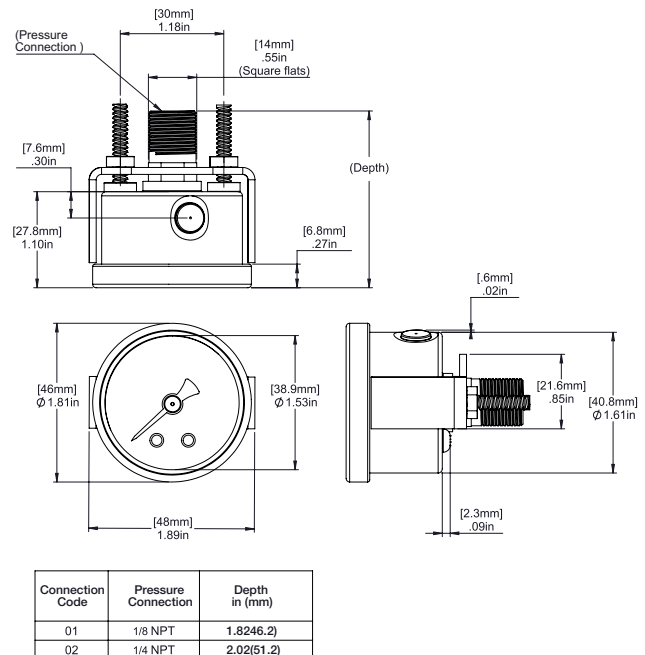
40mm 1008S 01B



40mm 1008S 01B XFF



40mm 1008S 01B XUC



Panel Cutout Dimensions for 40mm gauge

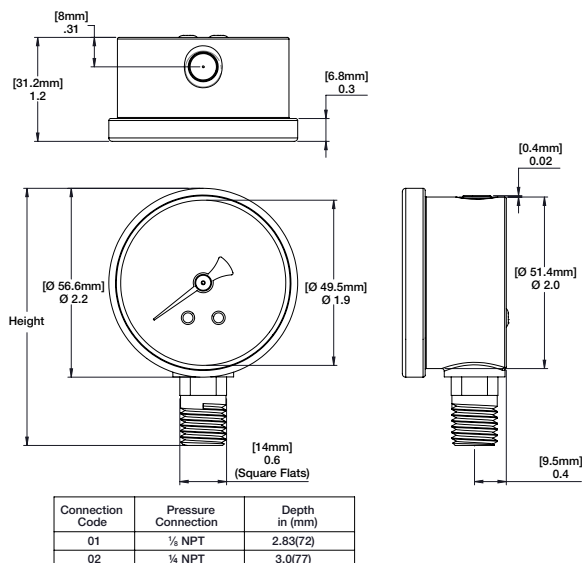
40mm (1½")	Min. Cutout Dia.	Max. Cutout Dia.
XUC	1.65" (42mm)	1.69" (43mm)
XFF	1.73" (44mm)	1.77" (45mm)

Data Sheet

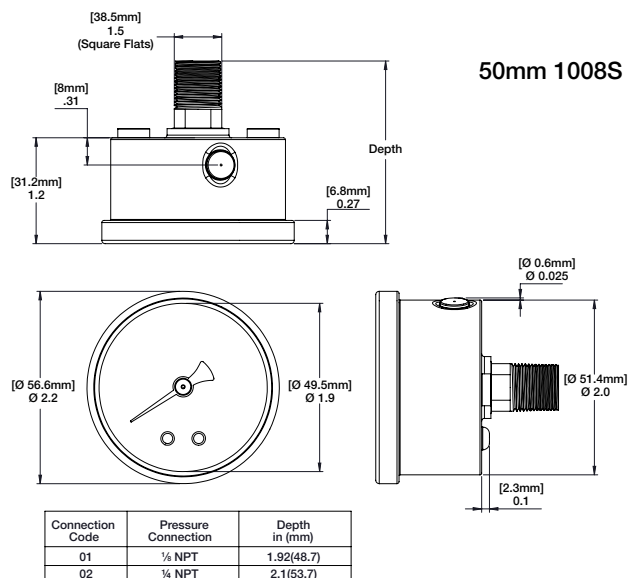
1008S 50mm (2") Stainless Steel Case Pressure Gauge

DIMENSIONS dimensions in [] are millimeters

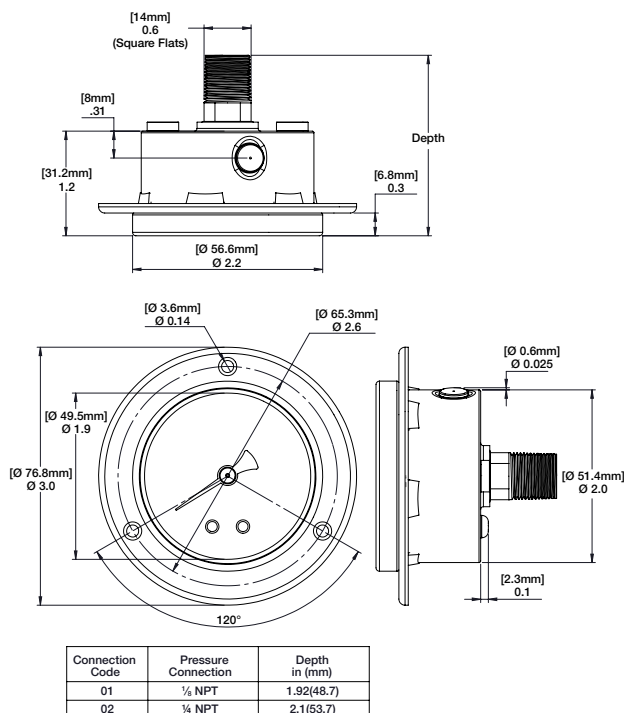
50mm 1008S 02L



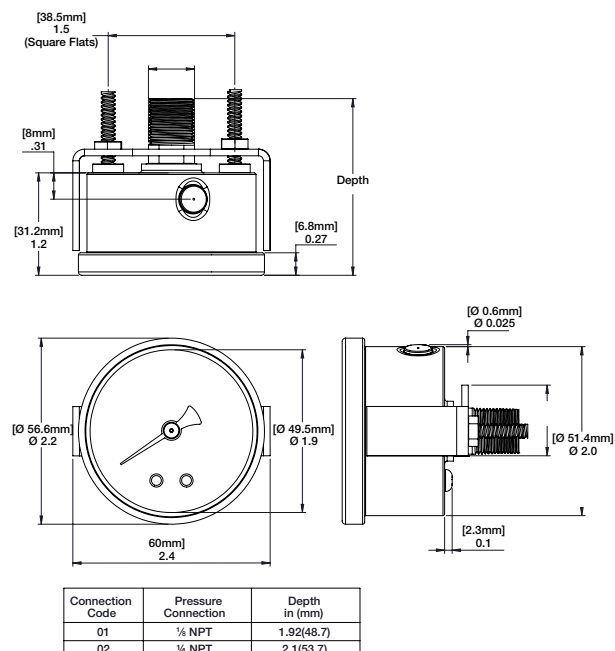
50mm 1008S 02B



50mm 1008S 02B XFF



50mm 1008S 02B XUC



Panel Cutout Dimensions for 50mm gauge

50mm (2")	Min. Cutout Dia.	Max. Cutout Dia.
XUC	2.07" (52.5mm)	2.11" (53.5mm)
XFF	2.15" (54.5mm)	2.19" (55.5mm)