

## Type 1009 4½" & 6" Stainless Steel Gauge



- 4½" and 6" stainless steel gauges
- Dry and liquid-filled versions
- Micrometer adjustable pointer
- Variety of Bourdon tube materials
- ASME Grade 1A, ±1% of span accuracy
- New PLUS!™ Performance Option:
  - Liquid-filled performance in a dry gauge
  - Fights vibration and pulsations with out liquid-fill headaches
  - Order as option XLL

The 4½" and 6" Ashcroft® Type 1009 gauges are suitable where ambient corrosion is a major concern. Its attractive stainless steel case and ring provides excellent resistance to chemical, weather and corrosion attack. This 1009 has many optional features that allow a user to develop a basic or special product specification. The 1009 is part of the extensive line of Ashcroft stainless steel pressure gauges.

The gauge is available dry, liquid-filled weatherproof or hermetically sealed and now with PLUS!™ performance option.

### PRODUCT SPECIFICATIONS

<b>Model Number:</b>	1009
<b>Accuracy:</b>	1% full scale (Grade A, ASME B40.100)
<b>Ranges:</b>	Vacuum – 30,000 psi
<b>Dial Size:</b>	4½" and 6" diameter
<b>Case:</b>	Open front
<b>Case Material:</b>	304 SS
<b>Ring Type:</b>	304 SS, bayonet
<b>Window:</b>	Glass
<b>Dial:</b>	Aluminum, brushed aluminum background, black figures and graduations.
<b>Pointer:</b>	Micrometer adjustable
<b>Movement:</b>	400 SS (conventional)
<b>Bourdon Tube:</b>	Brass, 316 SS, Monel 400
<b>Connection Size:</b>	¼", ½" NPT
<b>Connection Location:</b>	Lower and back

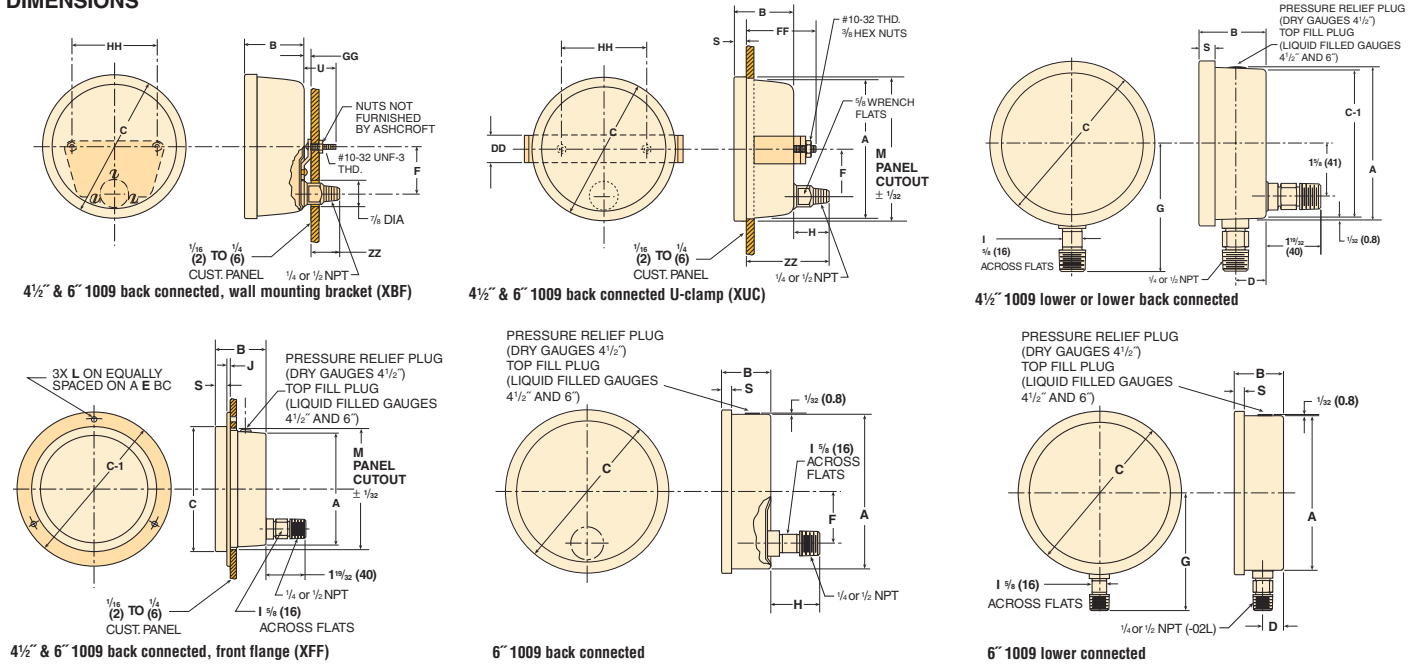
### PRODUCT OPTIONS

<b>PLUS! Performance:</b>	XLL
<b>Fill:</b>	L-Glycerin-Standard XGV-Silicone-Optional XGX-Halocarbon-Optional
<b>Weatherproof Hermetic Seal:</b>	XLJ
<b>Panel Mount Front Flange:</b>	XFF
<b>Panel Mount U-Clamp:</b>	XUC
<b>Surface Mount:</b>	XBF
<b>Oxygen Clean:</b>	X6B
<b>Window</b>	
<b>Acrylic:</b>	XPD
<b>Shatterproof</b>	
<b>Glass:</b>	XSG

<b>HOW TO ORDER:</b>	45	1009	S	02L	XXX	1000#
Dial Size: 4½"	_____	_____	_____	_____	_____	_____
Case Type Number: 1009	_____	_____	_____	_____	_____	_____
Bourdon tube and socket	_____	_____	_____	_____	_____	_____
Connection: ¼ NPT (02), ½ NPT (04), Lower (L), Back (B)	_____	_____	_____	_____	_____	_____
Optional Features:	_____	_____	_____	_____	_____	_____
Standard Pressure Range	_____	_____	_____	_____	_____	_____

## Type 1009 4½" & 6" Stainless Steel Gauge

### DIMENSIONS



Gauge Size	A	B	C	C-1	D	DD	E	F	FF	G	GG	H	HH	I	J	L	M	S	U	ZZ	Weight	
																					Dry	LF
4½ (100)	4 <sup>23</sup> / <sub>32</sub> (120)	2 <sup>1</sup> / <sub>16</sub> (52)	5 <sup>3</sup> / <sub>32</sub> (129)	6 <sup>9</sup> / <sub>32</sub> (160)	1 <sup>15</sup> / <sub>16</sub> (24)	1 (25)	5 <sup>11</sup> / <sub>16</sub> (144)	1 <sup>5</sup> / <sub>8</sub> (41)	2 <sup>5</sup> / <sub>16</sub> (59)	3 <sup>15</sup> / <sub>16</sub> (100)	3 <sup>3</sup> / <sub>16</sub> (5)	1 <sup>5</sup> / <sub>8</sub> (41)	3 (76)	5 <sup>5</sup> / <sub>32</sub> (16)	7 <sup>7</sup> / <sub>32</sub> (6)	4 <sup>13</sup> / <sub>16</sub> (122)	1 <sup>15</sup> / <sub>32</sub> (12)	1 <sup>17</sup> / <sub>16</sub> (37)	3 <sup>9</sup> / <sub>32</sub> (83)	1.75# .79kg	2.40# 1.1kg	
6 (160)	6 <sup>5</sup> / <sub>16</sub> (160)	2 (51)	6 <sup>21</sup> / <sub>32</sub> (169)	7 <sup>7</sup> / <sub>8</sub> (194)	2 <sup>27</sup> / <sub>32</sub> (22)	1 (25)	7 <sup>1</sup> / <sub>32</sub> (179)	1 <sup>5</sup> / <sub>8</sub> (41)	2 <sup>5</sup> / <sub>8</sub> (67)	4 <sup>13</sup> / <sub>16</sub> (122)	3 <sup>3</sup> / <sub>16</sub> (5)	1 <sup>5</sup> / <sub>8</sub> (41)	4 <sup>1</sup> / <sub>2</sub> (114)	5 <sup>5</sup> / <sub>8</sub> (16)	1 <sup>1</sup> / <sub>16</sub> (2)	1 <sup>1</sup> / <sub>4</sub> (7)	6 <sup>7</sup> / <sub>16</sub> (163)	1 <sup>13</sup> / <sub>32</sub> (10)	1 <sup>17</sup> / <sub>16</sub> (37)	3 <sup>3</sup> / <sub>16</sub> (81)	2.25# 1kg	4.12# 1.85kg

Note: Dimensions in brackets ( ) are millimeters.

### Standard Ranges (Metric equivalents available)

Pressure - psi			
Range	Figure Interval	Minor Graduation	
0/15	1	0.1	
0/30	5	0.2	
0/60	5	0.5	
0/100	10	1	
0/160	20	2	
0/200	20	2	
0/300	50	2	
0/400	50	5	
0/600	50	5	
0/800	100	10	
0/1000	100	10	
0/1500	200	20	
0/2000	200	20	
0/3000	500	20	
0/5000	500	50	
0/6000	500	50	
0/10,000	1000	100	
0/20,000	2000	200	
0/30,000	5000	200	

Compound				
Range	Figure Interval		Minor Grads	
	in Hg	psi	in Hg	psi
30" Hg/15 psi	5	3	0.5	0.2
30" Hg/30 psi	10	5	1	0.5
30" Hg/60 psi	10	10	1	1
30" Hg/100 psi	10	10	2	1
30" Hg/150 psi	10	20	5	2
30" Hg/200 psi	30	20	5	2
30" Hg/300 psi	30	50	5	2

Vacuum		
Range	Figure Interval	Minor Grads
30/0 in. Hg	5 in	0.2 in
34/0 ft H <sub>2</sub> O	5 ft	0.5 ft

Bourdon System Selection					
Ordering Code	Bourdon Tube & Tip Material (all joints TIG welded except "A")	Socket Material	Tube Type	Range Selection Limits (psi)	NPT Conn. <sup>(2)</sup>
A	Phosphor Bronze Tube-Brass Tip, Silver Brazed	Brass	C-Tube	12/1000	¼, ½
S	316L stainless steel	316 stainless steel	C-Tube	12/1500	¼, ½
			Helical	2000/20,000	¼, ½
P <sup>(3)</sup>	K Monel	Monel 400	C-Tube	15/1500	¼, ½
			Helical	2000/30,000	¼, ½ <sup>(4)</sup>

- NOTES:  
 (2) Other connections available on application.  
 (3) See Ashcroft product information page ASH/PI60 for compliance to NACE.  
 (4) 30,000 psi range supplied with ¼ high pressure connection, ½ NPT optional.