

**General Service Gauge  
Type 1109, ASME B 40.1  
Grade 1A (±1% of span)  
Solid Front**

- **Solid front case design with full blowout back**
- **Temperature compensated case**
- **4 1/2" dial size**
- **ASME B40.1 Grade 1A, (±1% of span) accuracy**
- **300 Series SS case and ring**
- **Ranges from vacuum through 100,000 psi**
- **New PLUS!™ Performance Option:**
  - **Liquid-filled performance in a dry gauge**
  - **Fights vibration and pulsations without liquid-fill headaches**
  - **See pages 6-7 for details**
  - **Order as option XLL**

The Type 1109 Ashcroft® solid front stainless steel case offers many features not available elsewhere. With a true 4 1/2" dial size, a fully temperature compensated case and blowout back for safety, the Type 1109 offers superior readability compared to the competitive 100mm case gauges. The Type 1109 has been designed to meet the needs of both the offshore platform market and also the waterblaster or waterjet markets.

For offshore platforms the Type 1109 is available dry, liquid-filled or with the revolutionary PLUS!™ performance option. The rugged design of the Type 1109 with ranges to 100,000 psi, is well suited to meet the needs of the waterblaster or waterjet market. With the PLUS!™ performance standard on ranges above 30,000 psi this gauge offers superior readability and eliminates the headaches often associated with liquid-filled gauges.



**STANDARD RANGES**

Pressure psi	Compound psi
0/15	30 in.Hg/15 psi
0/30	30 in.Hg /30 psi
0/60	30 in.Hg /60 psi
0/100	30 in.Hg /100 psi
0/160	30 in.Hg /150 psi
0/200	30 in.Hg /300 psi
0/300	
0/400	
0/600	
0/800	
0/1000	
0/1500	
0/2000	
0/3000	
0/5000	
0/10,000	
0/20,000	
0/30,000	
0/50,000	
0/80,000	
0/100,000	

**NOTE:**  
Equivalent standard kg/cm<sup>2</sup> and kPa metric ranges are available.

**BOURDON SYSTEM SELECTION<sup>(1)</sup>**

Ordering Code	Bourdon Tube & Tip Material <sup>(1)</sup>	Socket Material	Tube Type	Range Selection Limits (psi)	NPT Conn.
SD	316 stainless steel	Stainless steel	C-Tube	Vac/1500	1/2 <sup>(2)</sup>
	316 stainless steel	Stainless steel	Helical	2k-20k	1/2 <sup>(2)</sup>
WD	Inconel 718	316 stainless steel	Helical	50k-100k	1/4 high pressure

(1) For selection of the correct Bourdon system material, see the media application table on page 243.  
(2) 1/4 NPT optional.

**TO ORDER THIS 1109 DURALIFE PRESSURE GAUGE:**

**Select:**

1. Dial size—4 1/2" 45

2. Case type—1109 1109

3. Bourdon system selection ordering code SD

4. Connection—1/4 (02), 1/2 (04), 1/4 high pressure (09), Lower (L) 04L

5. Optional Features—see page 176 XXX

6. Standard pressure range 0/100#

7. Accessories—see pages 233-238