

## Hydraulic Gauges, Types 1009, 1010, 1017 & 1220, ASME B 40.1 Grade 1A ( $\pm 1\%$ of span)

- 4½" through 12" dials available
- Stainless steel, aluminum and phenolic case materials
- Wide range of types to combine specifics and price
- Slotted link and throttle screw standard

The Ashcroft® line of pressure gauges offers a product that is uniquely designed for rigorous hydraulic services.

Hydraulic gauges are supplied with a slotted link movement to avoid gear wear. All models are supplied with throttle devices as standard.



Type 1009

### SPECIFICATIONS

Gauge Type Number	Dial Size <sup>(1)</sup> (Inches)	Connection Location	Mounting	Method
1009-XS4TS	4½, 6, 8½, 12	Lower/Back	Stem, Surface, Flush	—
1010-XS4TS		Lower/Back	Stem, Surface	—
1017-XS4TS		Lower/Back	Flush	Back Flange, Flush Mounting Ring
1220-XS4TS		Lower/Back	Stem	

(1) Not all dial sizes available in all case types.  
Type 1009 – 4½", 6"; Type 1010 – 4½"-12";  
Type 1017 – 4½", 6"; Type 1220 – 4½"-8½"

### STANDARD psi RANGES<sup>(4)</sup>

Range psi	Figure Interval	Minor Graduation
0/1000	100	10
0/1500	200	20
0/2000	200	20
0/3000	500	50
0/5000	1000	50
0/6000	1000	100
0/7500	1000	100
0/10,000	1000	100
0/15,000	2000	200
0/20,000	2000	200

Note: Dual-scale dials showing psi and tons on ram are available on application

### BOURDON SYSTEM SELECTION

Dial Size (Inches)	Order Code	Bourdon Tube & Tip Material <sup>(1)</sup> (all joints TIG welded except "A") <sup>(1)</sup>	Socket Material	Tube Type	Range Selection Limits (psi)	NPT Conn. <sup>(2)</sup>
4½", 6", 8½"	A	Phosphor Bronze Tube-Brass Tip, Silver Braze	Brass	C-Tube	12/1000	¼
4½", 6", 8½", 12"	S	316 stainless steel	316 stainless steel	C-Tube	12/1500	¼
				Helical	2000/20,000	½
4½", 12"	P <sup>(3)</sup>	K Monel	Monel 400	C-Tube	15/1500	¼
				Helical	2000/30,000	½

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

(2) Optional connections available: ½ NPT where ¼ NPT is standard, ¼ NPT where ½ NPT is standard.

(3) Use for applications where NACE standard MR-01-75 is specified.

(4) Single-scale and dual-scale ranges available.

### STANDARD METRIC RANGES<sup>(4)</sup>

Range		Dial Graduations	
kg/cm <sup>2</sup> kilograms per sq. cm.	bar	Figure Interval	Minor Graduation
0/60	0/60	5	1
0/100	0/100	10	1
0/160	0/160	20	2
0/250	0/250	50	5
0/400	0/400	50	5
0/600	0/600	50	10
0/1000	0/1000	100	10
0/1600	0/1600	200	20

  

Range	Dial Graduation		Outer scale when dual range specified psi
kPa (kilopascal)	Figure Interval	Minor Graduation	
0/6000	500	100	0/850
0/10,000	1000	100	0/1400
0/16,000	2000	200	0/2200
0/25,000	5000	500	0/3500
0/40,000	5000	500	0/5500
0/60,000	5000	1000	0/8500
0/100,000	10,000	1000	0/14,000
0/160,000	20,000	2000	0/22,000

### HOW TO ORDER THESE HYDRAULIC GAUGES:

Select: \_\_\_\_\_ 45 \_\_\_\_\_ 1009 \_\_\_\_\_ S \_\_\_\_\_ 02L \_\_\_\_\_ XS4TS \_\_\_\_\_ 1000#

1. Dial size—4½", 6" \_\_\_\_\_

2. Case code: 1010 \_\_\_\_\_

3. Tube and socket material, (see chart above) \_\_\_\_\_

4. Connection size—¼ (02), ½ (04) \_\_\_\_\_

5. Connection location—Lower (L), Back (B) \_\_\_\_\_

6. Options—see page 176 \_\_\_\_\_

7. Standard pressure range—1000 psi \_\_\_\_\_

Consult factory for guidance in product selection  
Phone (203) 385-0217, Fax (203) 385-0602 or  
visit our web site at [www.ashcroft.com](http://www.ashcroft.com)