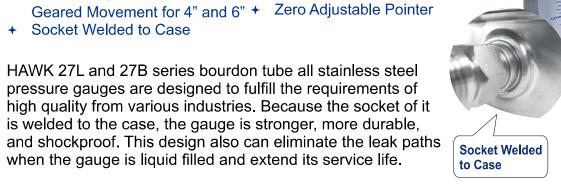
## Bayonet Ring (Open Ring)



Since 1971

P-1A

- **Disc Blow Out Protection**
- **Heavy Duty Bourdon** Tube/Rotary
- Open Front / Removable Ring
- Field Liquid Fillable





The 316SS construction pressure gauges are good in use on demanding applications where corrosion resistance, rugged environment resistance and reliable operation are required. These gauges are ideal to use combined with diaphragm seal where re-calibration is required.

## Typical Application

- Petrochemical and chemical processing
- Medical and pharmaceutical industry
- Industrial OEM equipments
- Hydraulic monitoring systems

- Power generating stations
- Offshore oil platforms
- Pneumatic systems
- Level measurement

#### **Specifications**

Operating

Steady: 100%\*full scale value Pulsation: 90%\*full scale value Sudden: 130%\*full scale value

The appropriate operating range falls in the middle half of the gauge(25% to 75% of full scale). If you choose the unsuitable range. the fatigue of bourdon tube may be resulted. HAWK Supplies a wide selection of range from vacuum to 20000 PSI including compound range.

#### **Temperature limit**

Ambient:

- 40 to 100°C(Dry Gauge) 10 to 65°C(Glycerin Filled Gauge) 50 to 80°C(Silicon Filled Gauge) Media: max 125°C (Standard),

300°C (Optional)

**Temperature effect** 

Accuracy of measurement will be effected by the temperature change. This inaccuracy may as high as ±0.3% for 12°C temperature change.

#### Dial Size

4"(100mm),4 ½"(115mm), 6"(150mm)

#### Case&Ring

Stainless Steel 304(SS316-option), polished bayonet ring

#### Socket

316 Stainless Steel

#### Movement

Stainless steel movement withoverload and underload stopsstandard, silicon dampened movement on request.

#### **Bourdon Tube**

316L-Stainless Steel 30"Hg(Vac) to 1500PSI...C-type 2000 to 20000PSI...Helical type

#### Window

Tempered safety glass-standard Plain glass, Polycarbonate or laminated safety glass-optional.

#### Pointer

Anodized aluminum with black finish.

Accuracy ± 1.0% of span (Grade 1A to ASME B40.1)

#### **Zero-Adjustment**

Micro-adjustable pointer

PSI, kPa, Mpa, bar, kg/cm2, inHg, cmHg, torr, mmHg (single or dual scale)

#### Connection

1/2", 3/8", 1/4" NPT standard, JIS, DIN, M14\*1.0, 3/4" NPT, and M20\*1.5 available

#### Mounting

Stem or Flushing(Uclamp/Flange) mounting.

#### Weatherproof

NEMA 4X/IP65 enclosure

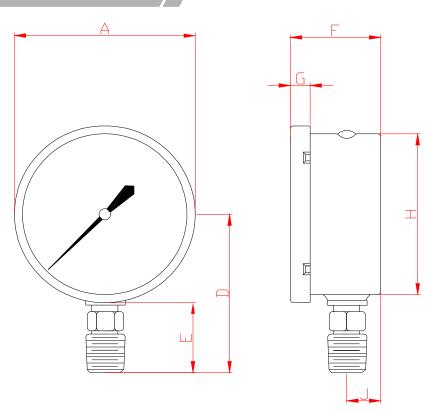
# Bayonet Ring (Open Ring)

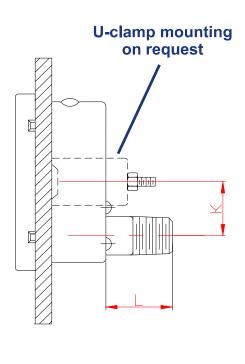


**Since 1971** 

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## Dimensions





**27L (Bottom Connection)** 

27B (Lower Back Connection)

Dimensions, in.(mm)

Type No	Dial Size	Α	В	С	D	Е	F	G	Н	J	K	L	Weight
27L	4"	4.33" (110)			4.41" (112)	1.49" (38)	1.89" (48)	0.47" (12)	3.94" (100)	0.79" (20)			0.94-0.98 Kg
27B	4"	4.33" (110)					1.89" (48)	0.47" (12)	3.94" (100)		1.18" (30)	1.26" (32)	1.01-1.05 Kg

Ту	pe No	Dial Size	Α	В	С	D	Е	F	G	Н	J	K	L	Weight
2	27L	4.5"	4.40" (137)			4.21" (107)	1.53" (39)	2.25" (57)	0.63" (16)	4.76" (121)	0.95" (24)			0.62-0.69 Kg
2	27B	4.5"	4.40" (137)					2.25" (57)	0.63" (16)	4.76" (121)		1.18" (30)	1.26" (32)	0.72-0.78 Kg

Type No	Dial Size	Α	В	С	D	E	F	G	Н	J	K	L	Weight
27L	6"	6.23" (160)			4.72" (120)	1.58" (40)	1.97" (50)	0.51" (13)	5.91" (150)	0.79" (20)			1.02-1.12 Kg
27B	6"	6.23" (160)					1.97" (50)	0.51" (13)	5.91" (150)		1.26" (32)	1.26" (32)	1.12-1.20 Kg



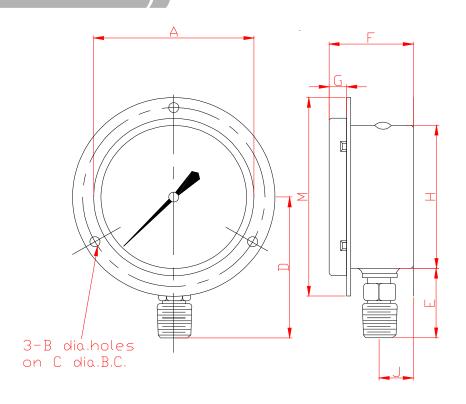
# Bayonet Ring (Open Ring)

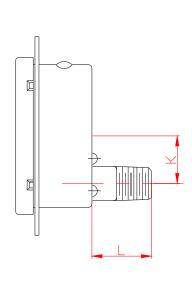


**Since 1971** 

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## Dimensions





## 27L (Bottom Connection)

27B (Lower Back Connection)

### **Front Flange**

Dimensions, in.(mm)

Ту	pe No	Dial Size	Α	В	С	D	Е	F	G	Н	J	K	L	M	Weight
	27L	4"	4.33" (110)	0.20" (5)	4.73" (120)	4.41" (112)	1.49" (38)	1.89" (48)	0.47" (12)	3.94" (100)	0.79" (20)			5.12" (130)	0.59 <b>-</b> 0.65 Kg
	27B	4"	4.33" (110)	0.20" (5)	4.73" (120)			1.89" (48)	0.47" (12)	3.94" (100)		1.18" (30)	1.26" (32)	5.12" (130)	0.68 <b>-</b> 0.74 Kg

Type No	Dial Size	Α	В	С	D	Е	F	G	Н	J	K	L	M	Weight
27L	4.5"	4.33" (110)	0.20" (5)	5.67" (144)	4.41" (112)	1.49" (38)	1.89" (48)	0.47" (12)	3.94" (100)	0.79" (20)			6.29" (160)	0.79 <b>-</b> 0.85 Kg
27B	4.5"	4.33" (110)	0.20" (5)	5.67" (144)			1.89" (48)	0.47" (12)	3.94" (100)		1.18" (30)	1.26" (32)	6.29" (160)	0.88-0.94 Kg

Type No	Dial Size	Α	В	С	D	Е	F	G	Н	J	K	L	M	Weight
27L	6"	6.23" (160)	0.24" (6)	7.01" (178)	4.72" (120)	1.58" (40)	1.97" (50)	0.51" (13)	5.91" (150)	0.79" (20)			7.72" (196)	1.27-1.37 Kg
27B	6"	6.23" (160)	0.24" (6)	7.01" (178)			1.97" (50)	0.51" (13)	5.91" (150)		1.26" (32)	1.26" (32)	7.72" (196)	1.37-1.45 Kg

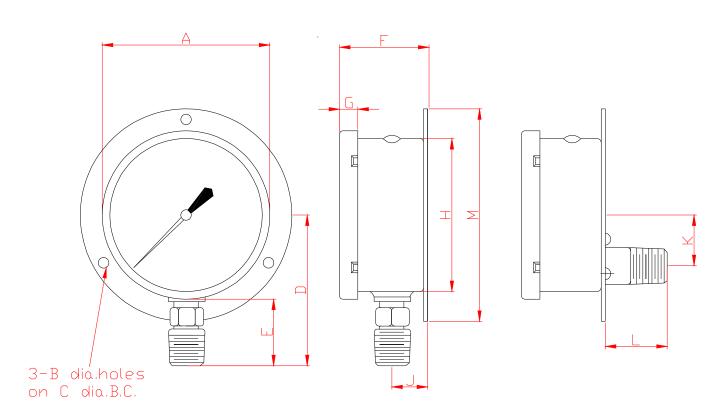


# Bayonet Ring (Open Ring)



P-1A

Dimensions



27L (Bottom Connection)

27B (Lower Back Connection)

### **Back Flange**

Dimensions, in.(mm)

														, , ,
Type N	lo Dial Size	Α	В	С	D	E	F	G	Н	J	K	L	M	Weight
27L	4"	4.33" (110)	0.20" (5)	4.73" (120)	4.41" (112)	1.49" (38)	1.89" (48)	0.47" (12)	3.94" (100)	0.79" (20)			5.12" (130)	0.59 <b>-</b> 0.65 Kg
27B	4"	4.33" (110)	0.20" (5)	4.73" (120)			1.89" (48)	0.47" (12)	3.94" (100)		1.18" (30)	1.26" (32)	5.12" (130)	0.68 <b>-</b> 0.74 Kg

Type No	o Dial Size	Α	В	С	D	Е	F	G	Н	J	K	L	M	Weight
27L	6"	6.23" (160)	0.24" (6)	7.01" (178)	4.72" (120)	1.58" (40)	1.97" (50)	0.51" (13)	5.91" (150)	0.79" (20)			7.72" (196)	1.27-1.37 Kg
27B	6"	6.23" (160)	0.24" (6)	7.01" (178)			1.97" (50)	0.51" (13)	5.91" (150)		1.26" (32)	1.26" (32)	7.72" (196)	1.37-1.45 Kg



# Bayonet Ring (Open Ring)



**Since 1971** 

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## **Pressure Range**

- The other scales and ranges(DIN) are available in request.
- Not all listed ranges and scales are in stock, consult your distributors for available.

PS Code   F		D	SINGLE	SCALI	_								Pressure Ranges													
		D			_						<b>DUAL SCALE</b>															
	code   Range   Code   Range   Code   Range		ar		- Pa	Ka/	cm2	В	ar & PSI		Kpa & PSI	К	(g/cm2 & PSI													
							Range	Code <sup>I</sup>		Code <sup>I</sup>	Range	Code <sup>1</sup>	Range													
P29	6	R1	0.4	K29	40	G1	0.4	Х9	0.4 Bar/PSI	Y16	40 kPa/PSI	W9	0.4 Kg/cm2/PSI													
P30	8	R2	0.6	K31	60	G2	0.6	X11	0.6 Bar/PSI	Y18	60 kPa/PSI	W11	0.6 Kg/cm2/PSI													
P32 i	15	R3	1	K33	100	G3	1	X12	1 Bar/PSI	Y22 i	100 kPa/PSI	W12	1 Kg/cm2/PSI													
P33 I	20	R4	1.6	K34	160	G4	1.6	X13 <sup>1</sup>	1.6 Bar/PSI	Y25 I	160 kPa/PSI	W13 <sup>1</sup>	1.6 Kg/cm2/PSI													
P35 !	30	R5	2	K35	200	G5	2	X14	2 Bar/PSI	Y26 !	200 kPa/PSI	W14	2 Kg/cm2/PSI													
P37	40	R6	2.5	K36	250	G6	2.5	X15	2.5 Bar/PSI	Y27	250 kPa/PSI	W15	2.5 Kg/cm2/PSI													
P38 i	50	R7	3	K37	300	G7	3	X16	3 Bar/PSI	Y28 i	280 kPa/PSI	W16	3 Kg/cm2/PSI													
P39 I	60	R8	4	K38	400	G9	4	X18 <sup>1</sup>	4 Bar/PSI	Y31 <sup>1</sup>	400 kPa/PSI	W18 <sup>1</sup>	4 Kg/cm2/PSI													
P40 ¦	80	R9	5	K39	500	G10	5	X19	5 Bar/PSI	Y32 !	500 kPa/PSI	W19	5 Kg/cm2/PSI													
P40A	85	R11	6	K40	600	G11	6	X20	6 Bar/PSI	Y33	600 kPa/PSI	W20	6 Kg/cm2/PSI													
P41 i	100	R12	7	K41	700	G12	7	X21 i	7 Bar/PSI	Y34 i	700 kPa/PSI	W21 i	7 Kg/cm2/PSI													
P42 <sup>I</sup>	150	R13	10	K42	1000	G13	10	X22 <sup>1</sup>	10 Bar/PSI	Y36 <sup>1</sup>	1000 kPa/PSI	W22 <sup>1</sup>	10 Kg/cm2/PSI													
P43	160	R13A	11	K42A	1100	G13A	11	X23	11 Bar/PSI	Y36A ¦	1100 kPa/PSI	W23	11 Kg/cm2/PSI													
P43A	180	R13B	14	K42B	1400	G13C	14	X24	14 Bar/PSI	Y37	1400 kPa/PSI	W24	14 Kg/cm2/PSI													
P44 i	200	R13C	15	K42C	1500	G13B	15	X25 i	15 Bar/PSI	Y38 i	1500 kPa/PSI	W25	15 Kg/cm2/PSI													
P45 I	250	R14	16	K43	1600	G14	16	X26	16 Bar/PSI	Y39 I	1600 kPa/PSI	W26	16 Kg/cm2/PSI													
P46	300	R15	20	K44	2000	G15	20	X28	20 Bar/PSI	Y40 ¦	2000 kPa/PSI	W28	20 Kg/cm2/PSI													
P47	350	R16	25	K45	2500	G16	25	X29	25 Bar/PSI	Y41	2500 kPa/PSI	W29	25 Kg/cm2/PSI													
P48 I	400	R16B	28	K55A	2800	G16A	28	X30 I	28 Bar/PSI	Y42 ı	2800 kPa/PSI	W30 I	28 Kg/cm2/PSI													
P48A	450	R17	30	K46	3000	G17	30	X31	30 Bar/PSI	Y43 <sup>!</sup>	3000 kPa/PSI	W31	30 Kg/cm2/PSI													
P49	500	R18	35	K47	3500	G18	35	X32	35 Bar/PSI	Y44	3500 kPa/PSI	W32	35 Kg/cm2/PSI													
P50 i	600	R19	40	K48	4000	G19	40	X33	40 Bar/PSI	Y45 i	4000 kPa/PSI	W33	40 Kg/cm2/PSI													
P51 I	800	R20	50	K49	5000	G20	50	X34 I	50 Bar/PSI	Y46 I	5000 kPa/PSI	W34 I	50 Kg/cm2/PSI													
P51A !	850	R21	60	K50	6000	G21	60	X35	60 Bar/PSI	Y47 !	6000 kPa/PSI	W35	60 Kg/cm2/PSI													
P52	1,000	R22	70	K51	7000	G22	70	X36	70 Bar/PSI	Y48	7000 kPa/PSI	W36	70 Kg/cm2/PSI													
P53	1,500	R23	100	K52	10000	G23	100	X39	100 Bar/PSI	Y50 i	10000 kPa/PSI	W39	100 Kg/cm2/PSI													
P53A I	1,600	R23A	140	K52B	14000	G23A	140	X40 I	140 Bar/PSI	Y51 I	14000 kPa/PSI	W40 I	140 Kg/cm2/PSI													
P54   1	2,000	R24	160	K53	16000	G24	160	X42	160 Bar/PSI	Y53 !	16000 kPa/PSI	W42	160 Kg/cm2/PSI													
P56	3,000	R25	200	K54	20000	G25	200	X43	200 Bar/PSI	Y54	20000 kPa/PSI	W43	200 Kg/cm2/PSI													
P57 i	3,500	R26	250	K55	25000	G26	250	X44	250 Bar/PSI	Y55 i	25000 kPa/PSI	W44	250 Kg/cm2/PSI													
	4,000	R26A	280		28000	G26A	280	X44A I	280 Bar/PSI	Y56 I	28000 kPa/PSI	W44A I	280 Kg/cm2/PSI													
P58A	4,250	R27	300		30000	G27	300	X45	300 Bar/PSI	Y57 ¦	30000 kPa/PSI	W45	300 Kg/cm2/PSI													
P59 :	5,000	R28	350	K56A	35000	G28	350	X46	350 Bar/PSI	Y58	35000 kPa/PSI	W46	350 Kg/cm2/PSI													
P60 i		R29			40000	G29		X47	400 Bar/PSI	Y59 i	40000 kPa/PSI	W47	400 Kg/cm2/PSI													
P60B !		R30	500		50000	G30	500	X48 I	500 Bar/PSI	ا Y60	50000 kPa/PSI		500 Kg/cm2/PSI													
P61	8,000	R31	600	K59	60000	G31	600		600 Bar/PSI	Y61	60000 kPa/PSI	W49	•													
P62 1	10,000	R33	700	K60	70000	G32	700	X50	700 Bar/PSI	Y62	70000 kPa/PSI	W50	700 Kg/cm2/PSI													
P63 i1		R33	1000		100000	G33	1000		1000 Bar/PSI		100000 kPa/PSI	W52 i	1000 Kg/cm2/PSI													
	20,000				140000		1400		1400 Bar/PSI	Y65 1	140000 kPa/PSI		1400 Kg/cm2/PSI													
P65 2	25,000	R34	1600	K62	160000	G344	1600	X55	1600 Bar/PSI	Y67 1	160000 kPa/PSI	W55	1600 Kg/cm2/PSI													



# Bayonet Ring (Open Ring)



**Since 1971** 

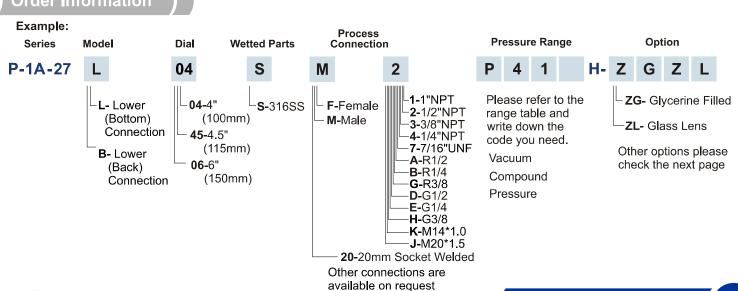
P-1A

### **Pressure Range**

	Vacuum Ranges												
	SINGLE	SCALE			DUAL SCALE								
InHg	InHg Bar KPa Kg/cm2				Kpa & PSI	Kg/cm2 & PSI							
Code Range	Code Range	Code Range	Code Range	Code· Range	Code <sup>I</sup> Range	Code I Range							
PV1 -30/0	RV1 -1/0	KV1 -0.04	GV1 -1/0	XV1 -1 Bar/PSI	YV1 -100 kPa/PSI	WV1 -76 cmHg/inHg							
			0	and Danas									

	Compound Ranges													
		SINGLE	SCALE			DUAL SCALE								
F	PSI	Bar	KPa	Kg/cm2	Bar & PSI	Kpa & PSI	Kg/cm2 & PSI							
Code	Range	Code Range	Code Range	Code Range	Code Range	Code Range	Code Range							
PCA1	VAC/8.5	RCA -1/0.6	KOQ -100/60	GCA -1/0.6	XCA i -1/0.6 Bar/PSI	YCA -100/60 kPa/PSI	WCA <sub>I</sub> -76cmHg/0.6 Kg/cm2							
PCA	VAC/15	RCB   -1/1	KOR   -100/100	GCB   -1/1	XCB   -1/1 Bar/PSI	YCB ı -100/100 kPa/PSI	WCB <sub>I</sub> -76cmHg/1 Kg/cm2							
	I	RCC I -1/1.5	KOS I -100/150	GCC I -1/1.5	XCC I -1/1.5 Bar/PSI	YCC I -100/150 kPa/PSI	WCC I-76cmHg/1.5 Kg/cm2							
PCB	VAC/30	RCD   -1/2	KOS1   -100/200	GCD   -1/2	XCD -1/2 Bar/PSI	YCD -100/200 kPa/PSI	WCD <sup>I</sup> -76cmHg/2 Kg/cm2							
	l	RCE -1/2.5	KOS2 -100/250	GCE -1/2.5	XCE -1/2.5 Bar/PSI	YCE -100/250 kPa/PSI	WCE -76cmHg/2.5 Kg/cm2							
	l I	RCF -1/3	KOT -100/300	GCF -1/3	XCF -1/3 Bar/PSI	YCF -100/300 kPa/PSI	WCF -76cmHg/3 Kg/cm2							
PCC	VAC/60	RCG -1/4	KOT2 -100/400	GCG -1/4	XCG -1/4 Bar/PSI	YCG -100/400 kPa/PSI	WCG <sub>I</sub> -76cmHg/4 Kg/cm2							
	I	RCH   -1/5	KOU <sub>I</sub> -100/500	GCH <sub>I</sub> -1/5	XCH <sub>I</sub> -1/5 Bar/PSI	YCH ı -100/500 kPa/PSI	WCH <sub>I</sub> -76cmHg/5 Kg/cm2							
PCD	I VAC/100	RCJ I -1/7	KOU2 I -100/700	GCJ I -1/7	XCJ I -1/7 Bar/PSI	YCJ I -100/700 kPa/PSI	WCJ I-76cmHg/7 Kg/cm2							
-	l	RCK   -1/9	KOV   -100/900	GCK   -1/9	XCK I -1/9 Bar/PSI	YCK -100/900 kPa/PSI	WCK <sup>I</sup> -76cmHg/9 Kg/cm2							
PCE	VAC/150	RCL -1/10	KOV1 -100/1000	GCL -1/10	XCL -1/10 Bar/PSI	YCL -100/1000 kPa/PSI	WCL -76cmHg/10 Kg/cm2							
PCF	VAC/160	RCM -1/11	KOV2 -100/1100	GCM -1/11	XCM -1/11 Bar/PSII	YCM -100/1100 kPa/PSI	WCM -76cmHg/11 Kg/cm2							
PCG	VAC/200	RCO -1/14	KOV4 -100/1400	GCO -1/14	XCO -1/14 Bar/PSI	YCO -100/1400 kPa/PSI	WCO i-76cmHg/14 Kg/cm2							
	I	RCP <sub>I</sub> -1/15	KOW <sub>I</sub> -100/1500	GCP <sub>I</sub> -1/15	XCP <sub>I</sub> -1/15 Bar/PSI	YCP   -100/1500 kPa/PSI	WCP <sub>I</sub> -76cmHg/15 Kg/cm2							
	l .	RCR I -1/19	KOW2 I -100/1900	GCR I -1/19	XCR I -1/19 Bar/PSI	YCR I -100/1900 kPa/PSI	WCR I-76cmHg/19 Kg/cm2							
PCH	VAC/300	RCS   -1/20	KOW3   -100/2000	GCS   -1/20	XCS   -1/20 Bar/PSI	YCS   -100/2000 kPa/PSI	WCS I-76cmHg/20 Kg/cm2							
	 	RCT -1/24	KOX -100/2400	GCT -1/24	XCT -1/24 Bar/PSI	YCT -100/2400 kPa/PSI	WCT -76cmHg/24 Kg/cm2							
	ı I	RCU   -1/25	KOX1 -100/2500	GCU -1/25	XCU -1/25 Bar/PSI	YCU -100/2500 kPa/PSI	WCU -76cmHg/25 Kg/cm2							
PCI	VAC/400	RCV -1/27	KOX2 -100/2700	GCV -1/27	XCV -1/27 Bar/PSI	YCV -100/2700 kPa/PSI	WCV i-76cmHg/27 Kg/cm2							
	l .	RCW <sub>I</sub> -1/30	KOY <sub>I</sub> -100/3000	GCW <sub>I</sub> -1/30	XCW <sub>1</sub> -1/30 Bar/PSI	YCW   -100/3000 kPa/PSI	WCW <sub>I</sub> -76cmHg/30 Kg/cm2							
	I VAC/500	RCW11 -1/35	KOZ I -100/3500	GCW11 -1/35	XCX I -1/35 Bar/PSI	YCX I -100/3500 kPa/PSI	WCX I-76cmHg/35 Kg/cm2							
PCK	VAC/600	RCX ! -1/40	KOZ1 ! -100/4000	GCX ! -1/40	XCY   -1/40 Bar/PSI	YCY   -100/4000 kPa/PSI	WCY 1-76cmHg/40 Kg/cm2							
	l	RCY -1/50	KOZ2 -100/5000	GCY -1/50	XCZ -1/50 Bar/PSI	YCZ -100/5000 kPa/PSI	WCZ -76cmHg/50 Kg/cm2							
	! 	RCZ -1/60	KOZ3 -100/6000	GCZ -1/60	XC1 -1/60 Bar/PSI	YC1 -100/6000 kPa/PSI	WC1 -76cmHg/60 Kg/cm2							
	I	RC0 -1/100	KOZ7 ;-100/10000	GC0 -1/100	XC2 -1/100 Bar/PSI	YC2 -100/10000 kPa/PSI	WC2 -76cmHg/100 Kg/cm2							

## **Order Information**

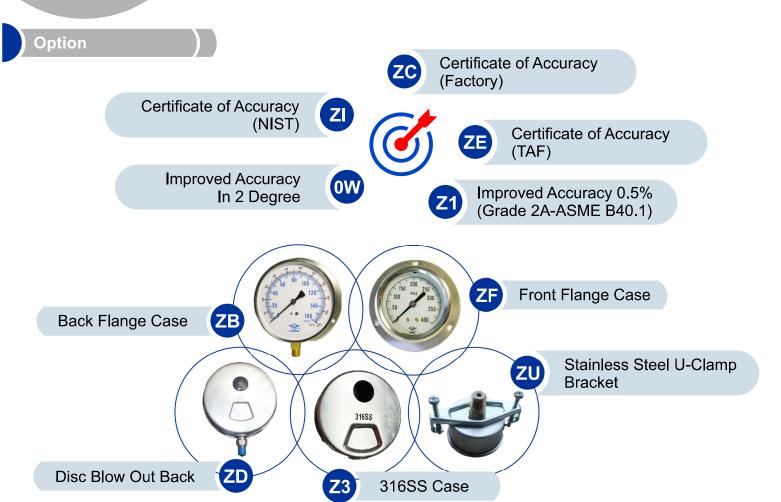




## Bayonet Ring (Open Ring)



P-1A



Dampened Movement ZM

Double Restrictor Screw ZR

Dry But Silicone Fillable Z9

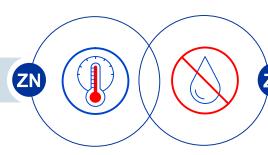
ZG Glycerine Filled

ZH Halocarbon Filled

ZO Fluorolube Filled

ZS Silicone Filled

NACE-MR0175-2002 Heat Treatment



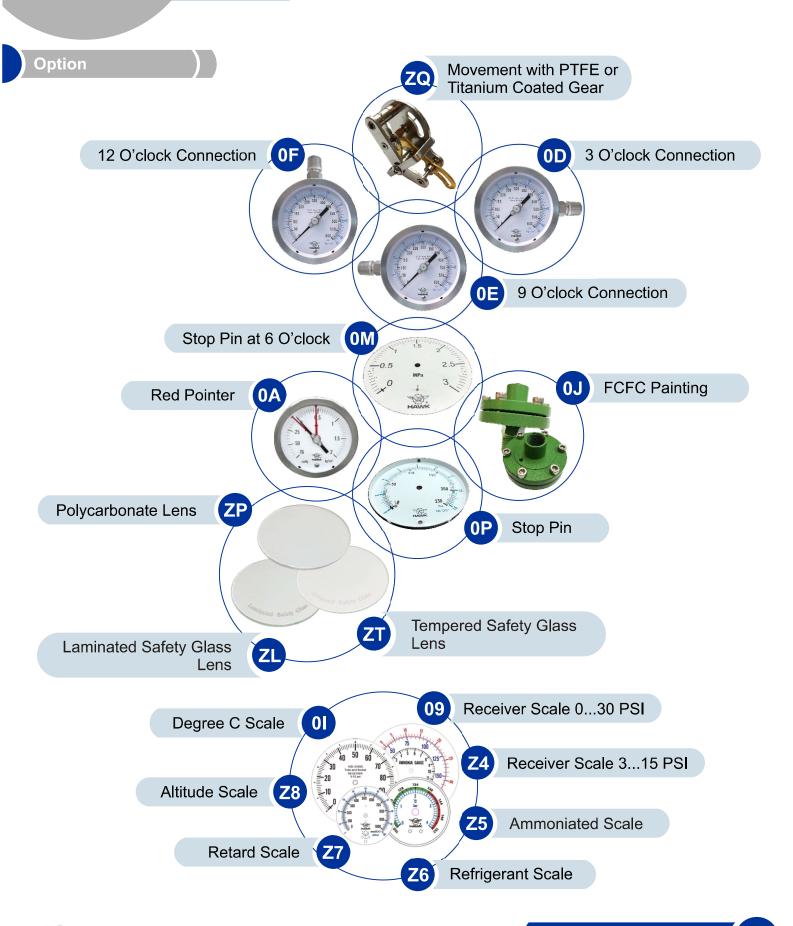
Cleaned for Oxygen Service



# Bayonet Ring (Open Ring)



P-1A

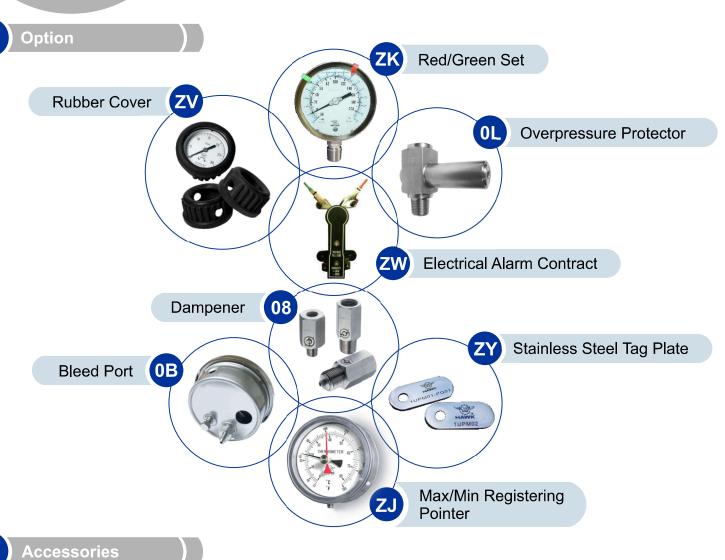




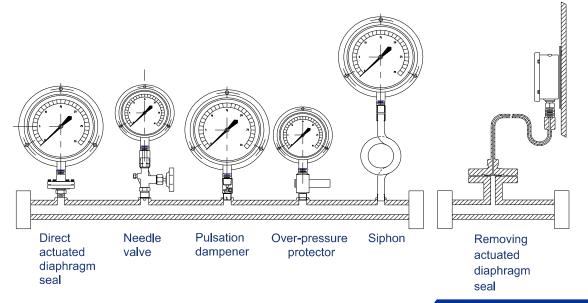
# Bayonet Ring (Open Ring)



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Please refer to HAWK diaphragm seal and accessories data sheets for detailed information.





## Bayonet Ring (Open Ring)



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Diaphragm Seal

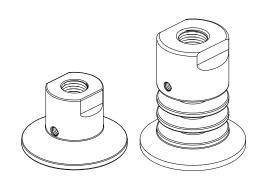
A diaphragm seal utilizes a elastic thin diaphragm as a protective device which is used to isolate pressure measuring element from the pressure medium. The volume between the diaphragm and the instrument's sensing element is completely filled with a compatible fluid. The process fluid pressure is transmitted to a gauge, transmitter, transducer, switch, or any other instrument by the movement of diaphragm and the replacement of the liquid filled in the pressure element. Used in a variety of process applications, diaphragm seals are intended for use where:

- The process medium might freeze or solidify in the pressure connection and sensing element due to changes in ambient temperatures.
- The measuring medium would corrode or attack the material of pressure sensing element.
- The pressure medium contains suspended solid or is highly viscous to clog the pressure sensing element.
- When changing process medium, the system requires flushing to prevent contamination.
- The process medium or ambient at measuring point has a very high temperature and the temperature of measuring instrument would rise to an undesirable degree.
- ◆ For hygienic reasons absolutely no dead space is allowed.
- ♦ The mounting and reading possibilities at the measuring point are very difficult.

## Sanitary Seal



The sanitary diaphragm face design enables deep cleaning of the surface. The quick-connection enables frequent removal from the process when cleaned in place (CIP) or steamed in place (SIP). These diaphragm seals are popular for hygienic process media applications. The connection can be in Tri-Clamp, APC, IDF, SMS, RJT, Cherry-Tank Spud and so on.





## Bayonet Ring (Open Ring)



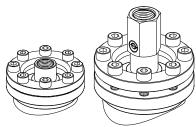
**Since 1971** 

P-1A

Diaphragm Seal







The in-line sealed type diaphragm seal is designed for flow-thru applications. The diaphragm seal forms an integral part of the process line. This avoids any obstructions in the system. This eliminates the disadvantage of the deal volume, because the in line seal is without corner, edges and dead spaces. They are particularly suitable for rapidly flowing, heavily loaded or viscous media which may damage or clog the process connection of the measuring instrument.





The flange connection is directly attached to the process by means of a ANSI, DIN, JIS or HG flanges. The flange design is the most popular and common for the diaphragm seal.

Thread Seal



The threaded type diaphragm seal connection is directly attached to the process by means of a male or female. The process connection is available in NPT, BSP or BSPT thread. It's a easy way to install into the process for the customers.

## Bayonet Ring (Open Ring)



**P-1A** 

## Limited Warranty and Liability

HAWK GAUGE CO., LTD warrants all its mechanical instruments to be free from defects in materials and workmanship. HAWK agrees to repair or replace any pressure gauges if returned to our factory, transportation charges prepaid, and after which examination reveals is to be defective due to faculty workmanship or material.

This warrant should not apply to subject to the following terms and conditions:

- A. The product has not been subjected to misuse, neglect, abuse, accident, incorrect mounting, improper use or misapplication such as negligence, accident, vandalism, shock or vibration.
- B. The performance of any system of which HAWK's products are a component part.
- C. The product has not been exposed to any other service, range or environment of greater severity than that for which the products were designed.
- D. The product has not been altered or repaired by anyone except HAWK GAUGE or its authorized service agencies.
- E. The serial number or date code has not been removed, defaced or changed.
- F. The actual pressure&temperature occurring exceed the values specified for HAWK Process gauge.

Unless otherwise specified in a manual or warranty card, or agree to in a writing signed by HAWK GAUGE office, HAWK Process gauge products shall be warranted for one years from the date of sale.

This warranty is in lieu of all other warranties expressed or implied, and of all obligations or liabilities on its part for damages including but not limited to consequential damages, following the use of misuse of instruments sold by it.

No agent is authorized to assume for it any liability except as set forth above.

#### Note

HAWK GAUGE CO.,LTD reserves the right to make product improvements and change its specifications at any time stated throughout this brochure without notification. Please contact the factory on all critical dimensions and specifications for verification.

HAWK GAUGE is not expert in the customer's technical field and therefore doesn't warrant suitability of it's product for the application selected by customer.



Data Sheet No: MKDP1A27A2-E

