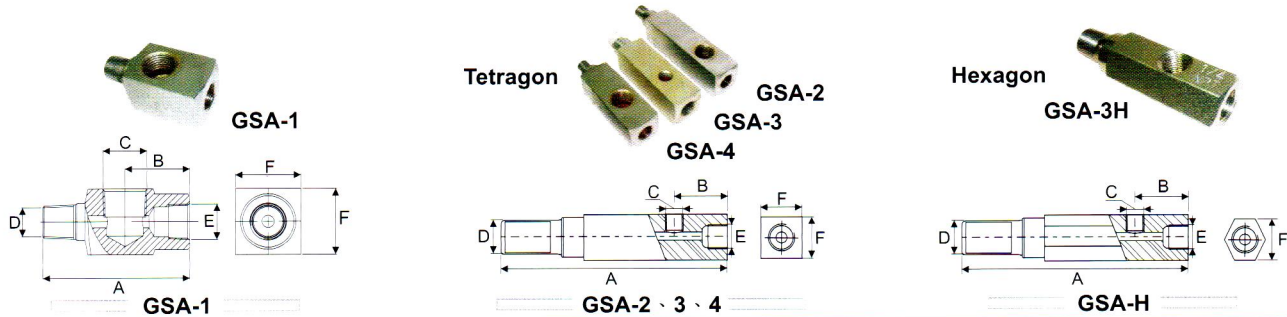


## GSA Gauge Accessories

**GSA Series** Maximum Operating Pressure **700 bar**

- Easy mounting of pressure gauge into hydraulic system.
- Male end screw into pump or cylinder port, female end accepts hose or coupler, third port is for gauge connection.

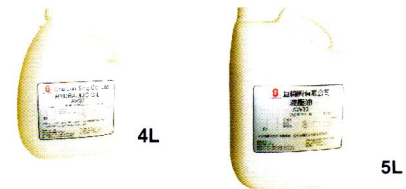


Model Number	Gauge port C(NPTF)	Male end D(NPTF)	Female end E(NPTF)	Dimensions(mm)					
				A	B	C	D	E	F
<b>GSA-1</b>	1/2	3/8	3/8	71	31	1/2NPTF	3/8NPTF	3/8NPTF	32
<b>GSA-2</b>	1/2	3/8	3/8	155	35	1/2NPTF	3/8NPTF	3/8NPTF	32
<b>GSA-3</b>	1/4	3/8	3/8	133	48	1/4NPTF	3/8NPTF	3/8NPTF	32
<b>GSA-4</b>	1/2	1/4	3/8	111	35	1/2NPTF	1/4NPTF	3/8NPTF	32
<b>GSA-3H</b>	1/4	3/8	3/8	90	28	1/4NPTF	3/8NPTF	3/8NPTF	26H
<b>GSA-452</b>	1/4	1/4	1/4	50	—	1/4NPTF	1/4NPTF	1/4NPTF	38
<b>GSA-453</b>	1/4	3/8	3/8	50	—	1/4NPTF	3/8NPTF	3/8NPTF	38

## SO Hydraulic Oil

**High wear-resisting Hydraulic oil ( Lower temperature area use) GF10**

- Main ingredients is composed by high quality basic oil and additive.
- Include HL hydraulic oil (fit in with DIN51525 or 51524 standard.)
- Include additive which can resisting combustion, rust and wear.
- It also reduce low load pump damage as continuous using which become sticky to result air foam.
- Main application as hydraulic control and/or power transit system and machine.



**High grade hydraulic oil AW22/ 32/ 46/ 68/ 100/ 150**

- Include special additive that prevent combustion, air foam and increase oil life and protect machine.
- High sticky which used in most application. Additive which can resisting combustion, rust and wear.
- Easy separate oil and water that can increase machine life.
- Use in all application such as industry hydraulic machine, injection machine and mid/ high pressure large hydraulic presses machine.

Model No.	SOW22-4L SOW22-5L	SOW32-4L SOW32-5L	SOW46-4L SOW46-5L	SOW68-4L SOW68-5L
ISO	22	32	46	68
Gravity, SP.GR g/ml	0.868	0.872	0.874	0.879
40°C Viscosity SUS	22.2	32.1	46.7	68.9
100°C Viscosity SUS	4.4	5.5	6.9	9.0
Viscosity Index	107	107	103	105
Flash Point.°C	200	205	216	221
Pour Point.°C	-26	-22	-24	-26

Model No.	SOGF10-4L SOGF10-5L
ISO H-LP	10
Gravity, SP.GR 15°C g/ml	0.855
0°C Viscosity SUS	50
40°C Viscosity SUS	10
100°C Viscosity SUS	2.8
Viscosity Index	98
Flash Point.°C	160
Pour Point.°C	-39