



# Foil Strain Gauges F series (GOBLET)



Strain gauges compliant to RoHS2 Directive 2011/65/EU are added to the lineup in F series. They are supplied with CE marking as standard specification. Our logo GOBLET, which is an abbreviation of "Gauges Of Brilliant Lifespan and Environmental Thoughtful", is marked on the package of these gauges.



Operating temperature range	-196~+150°C	Applicable adhesives	CN -196~+120°C
Temperature compensation range	+10~+100°C	P-2	-30~+150°C
		EB-2	-60~+150°C

Please specify the type number as shown in the example below.

**FLAB -5 (-350) -11 -3LJC-F**

Objective material for temperature compensation (coefficient of linear thermal expansion ×10<sup>-6</sup>/°C)  
 .11: Mild steel ■ .17: Stainless steel ■ .23: Aluminium ■

Gauge pattern	Type	Gauge size(mm)		Backing size(mm)		Resistance Ω	
		Length	Width	Length	Width		
<p>●Single axis</p> <p>General use</p>	FLGB-02	0.2	1.4	3.5	2.5	120	
	FLGB-1	1	1.1	6	2.5	120	
	FLAB-03	0.3	1.4	3	2	120	
	FLAB-05	0.5	1.2	4.3	2.2	120	
	FLAB-1	1	1.3	5	2.5	120	
	FLAB-2	2	1.5	6.5	3	120	
	FLAB-3	3	1.7	7.7	3.5	120	
	FLAB-3-60	3	1.2	7.7	3	60	
	FLAB-5	5	1.5	10	3	120	
	FLAB-6	6	2.2	11	4.3	120	
	FLAB-10	10	2.5	15.4	5	120	
	FLAB-30	30	2	35	5	120	
	<p>FLK pattern with narrow gauge width</p>	FLKB-1	1	0.7	4.5	1.4	120
		FLKB-2	2	0.9	5.5	1.5	120
		FLKB-6	6	1	11	2.2	120
FLKB-10		10	1.6	15	3.8	120	
<p>●350Ω Single axis</p> <p>Gauge resistance 350Ω</p>	FLAB-1-350	1	1.6	4.5	3	350	
	FLAB-1W-350	1	2	4.7	3.6	350	
	FLAB-2-350	2	1.9	6	3.5	350	
	FLAB-3-350	3	1.6	7.2	3	350	
	FLAB-3W-350	3	3.2	8.5	5	350	
	FLAB-5-350	5	1.8	9.4	3.8	350	
<p>Gauge resistance 1000Ω</p>	FLAB-6-1000	6	4.6	11	7	1000	

Minimum order quantity is 10 strain gauges.



# F series (GOBLIT)

Gauge pattern	Type	Gauge size(mm)		Backing size(mm)		Resistance Ω
		Length	Width	Length	Width	
<b>●0° /90° 2-axis Stacked type</b>						
	FCAB-1	1	0.7	φ 4.5		120
	FCAB-2	2	0.9	φ 7		120
	FCAB-3	3	1.7	φ 11		120
	FCAB-5	5	1.9	φ 12		120
	FCAB-6	6	2.4	φ 14		120
	FCAB-10	10	2.5	φ 17		120
<b>●350Ω 0° /90° 2-axis Stacked type</b>						
	FCAB-1-350	1	1.6	φ 8		350
	FCAB-2-350	2	1.9	φ 9.5		350
	FCAB-3-350	3	2	φ 10		350
	FCAB-5-350	5	1.8	φ 10		350
<b>●0° /45° /90° 3-axis Stacked type</b>						
	FRAB-1	1	0.7	φ 4.5		120
	FRAB-2	2	0.9	φ 7		120
	FRAB-3	3	1.7	φ 11		120
	FRAB-5	5	1.9	φ 12		120
	FRAB-6	6	2.4	φ 14		120
	FRAB-10	10	2.5	φ 17		120
<b>●350Ω 0° /45° /90° 3-axis Stacked type</b>						
	FRAB-1-350	1	1.6	φ 8		350
	FRAB-2-350	2	1.9	φ 9.5		350
	FRAB-3-350	3	2	φ 10		350
	FRAB-5-350	5	1.8	φ 10		350

Minimum order quantity is 10 strain gauges.