

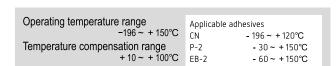


F-Series (GOBLET)

Foil Strain Gauges

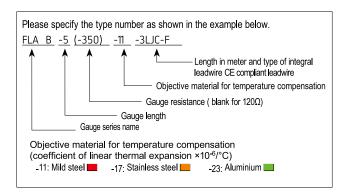
GENERAL USE

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.





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Gauge p	Туре	Gauge s Length			size(mm) Width	Resist- ance Ω	
Single axis							
Backing length		FLGB-02	0.2	1.4	3.5	2.5	120
Backing Width Widt	HID:	FLGB-1	1	1.1	6	2.5	120
		FLAB-03	0.3	1.4	3	2	120
	(IC	FLAB-05	0.5	1.2	4.3	2.2	120
		FLAB-1	1	1.3	5	2.5	120
	Constal	FLAB-2	2	1.5	6.5	3	120
	General use	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
	FLK pattern with narrow gauge width	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
 350 Ω Single axis 	Gauge resistance 350 Ω	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
	Gauge resistance 1000 Ω	FLAB-6-1000	6	4.6	11	7	1000

Minimum order quantity is 10 strain gauges.





GENERAL USE

	GENERAL USE							
	Gau	uge pattern		Туре	Gauge s	size(mm) Width	Backing size(mm) Length Width	Resist- ance Ω
	• 0°/90° 2-axis Stacked type							
	S. Land		3	FCAB-1	1	0.7	Ø4.5	120
	Calle and Called And C	FCAB-1	FCAB-2	FCAB-2	2	0.9	Ø7	120
			1 6,13 2	FCAB-3	3	1.7	Ø11	120
TI				FCAB-5	5	1.9	Ø12	120
erie		FCAB-3		FCAB-6	6	2.4	Ø14	120
s 6	Backing diameter	FCAB-3	FCAB-5	FCAB-10	10	2.5	Ø17	120
F series (GOBLET)								
		FOAR	3					
			FCAB-10					
	• 350Ω 0°/90° 2-axis Stacked ty			FCAB-1-350	1	1.6	Ø8	350
		FCAB-1-350		FCAB-2-350	2	1.9	Ø9.5	350
				FCAB-3-350	3	2	Ø 10	350
		FCAB-2-350		FCAB-5-350	5	1.8	Ø 10	350
	50AD 4 050	FCAB-5-350)					
Δ	FCAB-1-350 Q (x 3)		33					
Multi-axis								
<u>R</u> .								
	• 0°/45°/90° 3-axis Stacked type			FRAB-1	1	0.7	Ø4.5	120
	Gauge width			FRAB-2	2	0.9	Ø7	120
	F	RAB-1		FRAB-3	3	1.7	Ø11	120
	Sauge length	FF	RAB-2	FRAB-5	5	1.9	Ø12	120
	Gauge			FRAB-6	6	2.4	Ø14	120
	F S	RAB-3		FRAB-10	10	2.5	Ø17	120
			RAB-5					
	Backing diameter							
	 	RAB-6						
	·		RAB-10					
	●350Ω 0/45/90° 3-axis Stacked		RAB-10					
				FRAB-1-350	1	1.6	Ø 8	350
				FRAB-2-350	2	1.9	Ø 9.5	350
		FRAB-1-350	AB-2-350	FRAB-3-350	3	2	Ø10	350
		FRA	٦ <u>۵-</u> 2 - 330	FRAB-5-350	5	1.8	Ø10	350
	1 1	FRAB-3-350 FR	AB-5-350					
	FRAB-1-350 Q (x 3)							
	Minimum order quantity is 10 strain gauges.							

GLASS, CERAMIC USE

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Please specify the type number as shown in the example below.
-8: Glass, Ceramic

Gauge pa	attern		Туре		size(mm) Width	Backing s Length		Resist- ance Ω
• Single axis	Q (x 2)		FLAB-2-8 FLAB-5-8	2 5	1.5 1.5	6.5	3	120 120
• 0°/ 90° 2-axis Stacked type								
	3		FCAB-2-8	2	0.9	Ø7		120
FCAB-2-8	CAB-2-8	3	FCAB-5-8	5	1.9	Ø12	2	120
• 0°/45°/90° 3-axis Stacked type		FCAB-5-8						
o no no o axio otasioa typo			FRAB-2-8	2	0.9	Ø7		120
			FRAB-5-8	5	1.9	Ø12	!	120
F	FRAB-5-8							
Minimum order quantity is 10 strain gauges.								

Dedicated leadwires recommendable for F series strain gauge

(GOBLET)

We supply various leadwires dedicated to strain gauges so as to meet our customers' requirements. Please refer to page 32 to 40 for the details of combination of a strain gauge and a leadwire. For CE marked GOBLET series strain gauges, only the leadwires using lead-free solder are available.

Type and designation of leadwires (GOBLET)

Usage	Leadwire name	Operating temperature range of leadwire (°C)	Type number example
General purpose (without temperature	without temperature Paralleled vinyl LJB-F		FLAB-5-11-3LJB-F
change)	Paralleled vinyl LJC-F	Paralleled vinyl LJC-F - 20 ~ +80	
General use	3-wire paralleled vinyl LJBT-F	- 20 ~ +80	FLAB-5-11-3LJBT-F
	3-wire paralleled vinyl LJCT-F	- 20 ~ + 60	FLAB-5-11-3LJCT-F
Mid-high tempeature	3-wire paralleled vinyl LXT-F	- 20 ~ + 150	FLAB-5-11-3LXT-F
1-Gauge 4-Wire measurement	Polypropyrene 4-wire paralleled LQM-F	- 20 ~ + 100	FLAB-5-11-3LQM-F
	Folypropyrene 4-wire paralleled EQIM-F		(modular plug attached)

 $\ensuremath{\mathsf{NB}}\xspace$ For use with CE compliant GOBLET strain gauges , specify le

adwire with option -F having lead-free solder on order.

Dedicated leadwires recommendable for F series strain gauge

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Type and designation of leadwires

Usage	Leadwire name	Operating temperature range of leadwire (°C)	Type number example
General purpose (without temperature	Paralleled vinyl LJB/LJB-F	- 20 ~ +80	FLA-5-11-3LJB
change)	Paralleled vinyl LJC/LJC-F		FLA-5-11-3LJC
General use	3-wire paralleled vinyl LJBT/LJBT-F 3-wire paralleled vinyl LJCT/LJCT-F	- 20 ~ +80	FLA-5-11-3LJBT FLA-5-11-3LJCT
Mid-high tempeature	3-wire paralleled vinyl LXT/LXT-F	- 20 ~ + 150	FLA-5-11-3LXT
Temperature integration	3-wire paralleled vinyl TLJBT/TLJBT-F	- 20 ~ +80	FLA-5T-11-3TLJBT
1-Gauge 4-Wire measurement	Polypropyrene 4-wire paralleled LQM/LQM-F	- 20 ~ +100	FLA-5-11-3 <mark>LQM</mark> (modular plug attached)

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Single axis / Multi-axis

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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