BRAIME COMPONENTS

RG2 Series
BETTER BY DESIGN

RG2 Rotary Level Indicator

Approved for explosive atmospheres:
ATEX zones 20 and 21 for dust

Application:
Designed to indicate the presence or absence of bulk materials such as grains, pellets, chemicals, wood chips, and other powders. It is ideal for hoppers and silos. The RG2 can be top and side mounted.

Method of operation:
The detection of material is achieved by a rotating paddle. If material impedes the rotation of the paddle, the motor topples on its axis and triggers an alarm

Features:
- An EASY TO INSTALL instrument that does not require any calibration, maintenance or specific tool for its installation.
- Thanks to the wide choice of paddles, all of which are interchangeable, it is ADAPTABLE to the different densities of the measured materials.
- Extremely VERSATILE, it can be installed on tanks, hoppers, on walls or roofs of silos, in a vertical, horizontal or oblique position.
- CUSTOMIZABLE with paddles, extensions, voltages.
- Protection degree of enclosures for electrical equipment IP65.
- DURABLE and RELIABLE with aluminium casing, stainless steel shaft on ball bearings and electrical connection with tension clamp or screw terminals. Works with ambient temperatures from -20° to +70°C.
- Push-fit or screw terminal options.

Part Numbers:

Part Number	Description
RG2V56A-P	110/240 VAC Push-fit terminal block - Male thread 1 1/4" NPT
RG2V4A-P	24 VDC Push-fit terminal block - Male thread 1 1/4" NPT
RG2V56A-S	110/240 VAC Screw terminals - Male thread 1 1/4" NPT
RG2V4A-S	24 VDC Screw terminals - Male thread 1 1/4" NPT

Detailed specification, wiring diagrams and installation/operating instructions available upon request.

Please refer to instruction manual for correct installation. Information subject to change or correction.

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TECHNICAL SPECIFICATIONS

Model	RG2V56A-x	RG2V4A-x
Power supply	110/240 VAC (50/60Hz)	24VDC
Output	Change over relay 5A at 250 VAC	Change over relay 5A at 250 VAC
Mounting	ø 1 ¼" NPT	ø 1 ¼" NPT
Conduit Entry	1 x conduit entries tapped ø 1/2" BSPP	1 x conduit entries tapped ø 1/2" BSPP
Enclosure	Die-cast aluminium casing	Die-cast aluminium casing
Operating temperature range	-20°C + 70°C	-20°C + 70°C
Protection	IP65	IP65
Certificates and approvals	ATEX Zone 20 / Zone 21	ATEX Zone 20 / Zone 21

DIMENSIONS
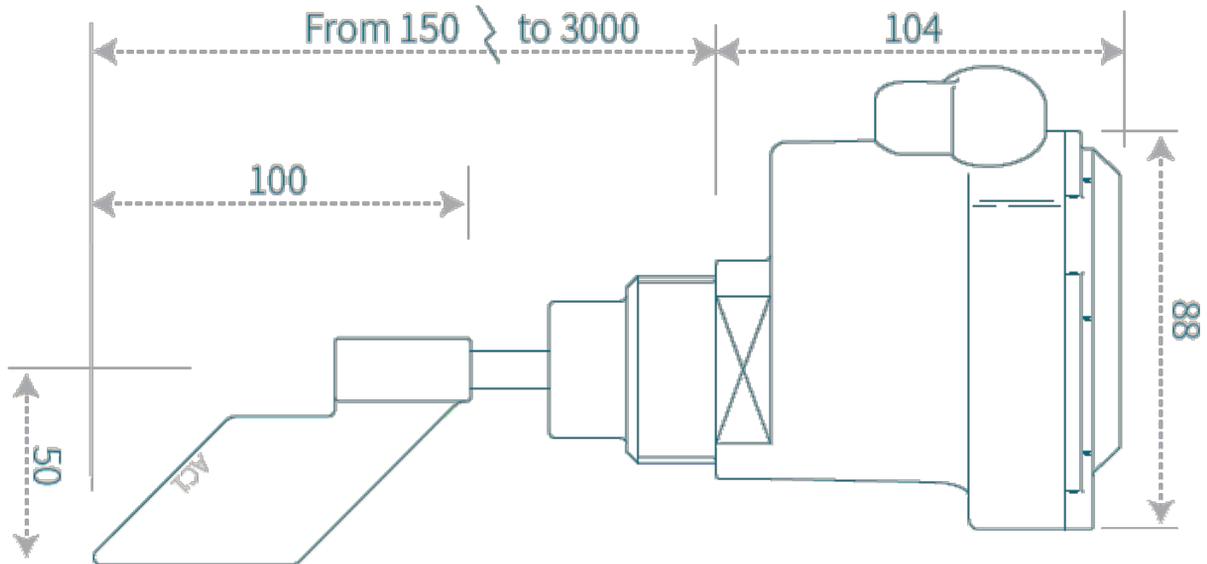
Note: All dimensions are given in mm.

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	Part Number	Description	Size	Compatible	Min Hole ø	Recommended Density	Material Weight
	RGSP0 (supplied as standard)	1 x Nylon6 blade	50 x 100 mm	RG2 RG3 RG4	39mm	1.0 kg/dm³	
	RGSP1	1 x Nylon6 blade	60 x 100 mm	RG2* RG3 RG4*	65mm	0.5 kg/dm³	
	RGSP3	3 x Nylon6 blades	120 x 65 mm	RG2* RG3* RG4*	* Install with flange of from within silo	0.3 kg/dm³	
	RGSP0-SS	1 x 304 Stainless Steel blade	50 x 100 mm	RG2 RG3 RG4	39mm	1.0 kg/dm³	
	RGSP1-SS	1 x 304 Stainless Steel blade	60 x 100 mm	RG2* RG3 RG4*	65mm	0.5 kg/dm³	
	RGSP4-SS	4 x 304 Stainless Steel blades	100 x 60 Mm	RG2* RG3* RG4*	* Install with flange of from within silo	0.3 kg/dm³	
	RGSP4-SS-L	4 x 304 Stainless Steel blades	138 x 50 mm	RG2* RG3* RG4*	* Install with flange of from within silo	0.2 kg/dm³	
	RGSPV-SS	1 x 304 Stainless Steel blade	160 x 95 mm	RG2 RG3 RG4	30mm	0.4 kg/dm³	
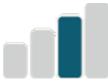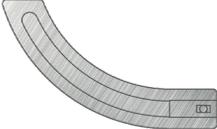
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Extension Options

Standard Length

**Stainless Steel Extension Rod
(Without Guard)**

Part No.: RGEXT-0500-SS (L1 = 500mm)

Part No.: RGEXT-1000-SS (L1 = 1000mm)
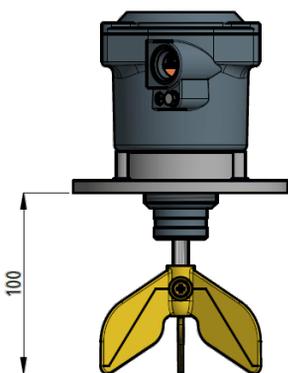
Part No.: RGEXT-1500-SS (L1 = 1500mm)
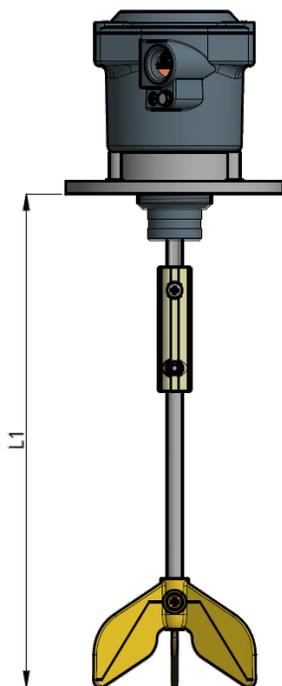
Reinforced polyamide joint

**Stainless Steel Extension Rod
(With Guard)**

Part No.: RGEXT-0500-SS-G (L1 = 500mm)

Part No.: RGEXT-1000-SS-G (L1 = 1000mm)

Part No.: RGEXT-1500-SS-G (L1 = 1500mm)
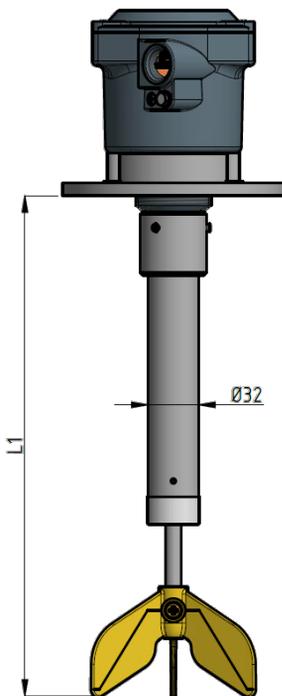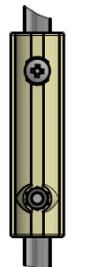
Stainless steel
protection end with
BALL BEARING
and rubber seal

Ø32

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Extension Options (cont.)

Flexible Extension

Part No.: RGEXT-2000-SS-W (L1 = 2000mm)
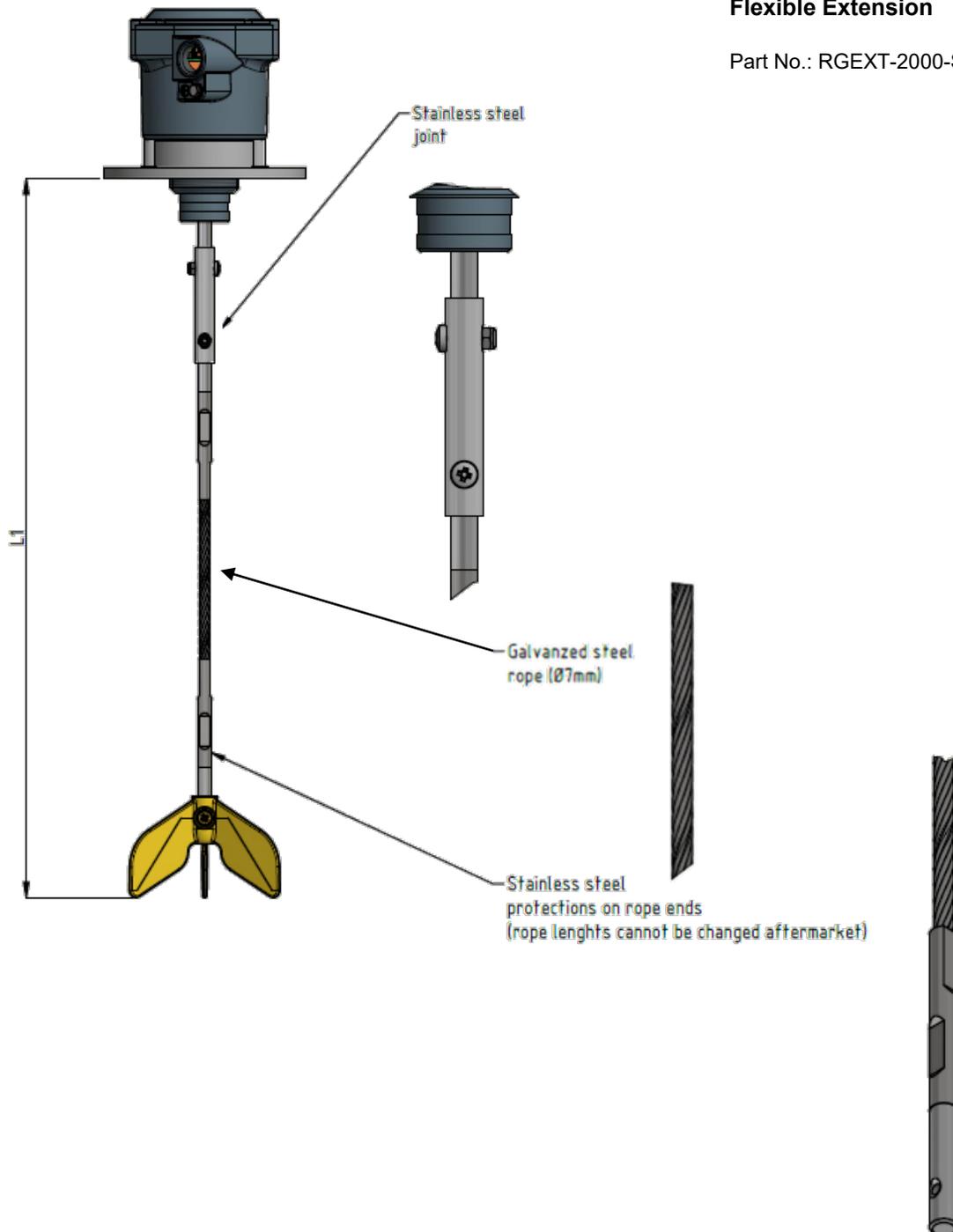
Stainless steel joint

Galvanzed steel rope (Ø7mm)

Stainless steel protections on rope ends
(rope lenghts cannot be changed aftermarket)

L1

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Flange Options

	Part Number	Description
	SMP	Standard steel flange 1 ¼" NPT

Ø50.8

Ø203.0

6 x Ø8.7 holes on 177mm PCD

1¼" PIPE COUPLER

12.0

8.0

3.2

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