

# Bourdon Tube Pressure Gauges

## Case with Snap-in Window

NCS 40  
50

Cl. 1.6

Models

RE 40-1  
RE 50-1

### Application

The bourdon tube pressure gauges model RE are suitable for measurement of positive and negative overpressure of liquid and gaseous media, that do not corrode brass/copper alloys.

### Nominal Case Size (NCS)

40, 50 (mm) (1½", 2")

### Accuracy (EN 837-1)

Class 1.6

### Pressure Ranges (EN 837-1)

0-1 to 0-400 bar (0-15 to 0-5000 psi)  
also vacuum and compound ranges

### Maximum Load Limits

Steady load: max. 75 % of full scale value

Dynamic load: max. 65 % of full scale value

Overload: full scale value

### Temperature Resistance

Ambient temperature: -40 to +60 °C (-40 to 140 °F)

Medium temperature: max. +60 °C (140 °F)

**Further information** on advantages, application, temperature resistance, metrological features and pressure ranges, as well as an overview of all available models of bourdon tube pressure gauges class 1.0 to 2.5 can be found in **model overview 1000**.



## Standard Version

### Process Connection

Brass, bottom or centre back,

NCS 40 (1½") : G 1/8 B (1/8" BSP)

NCS 50 (2") : G 1/4 B (1/4" BSP)

### Bourdon Tube

Bronze, soft soldered,

up to 60 bar (800 psi): c-form,

100 bar (1500 psi) and above: helical

### Movement

Brass

### Dial

Aluminum, black figures, white background

### Pointer

Aluminum, black

### Case

Sheet steel, black

### Window

Polycarbonate, snap-in

## Special Versions

Only for large quantities upon request

### Ordering Information:

Please quote in your order:

Model: **RE**

Nominal case size: **40 or 50**

Code number

wetted parts: - 1 = brass/bronze

Pressure range: e.g. **0-250 bar**

Process connection: **G 1/8 B** (NCS 40) resp. **G 1/4 B** (NCS 50)

Code letters

case configurations: without = bottom connection

**rm** = centre back connection

### Example:

RE 50-1 rm, 0-40 bar, G 1/4 B



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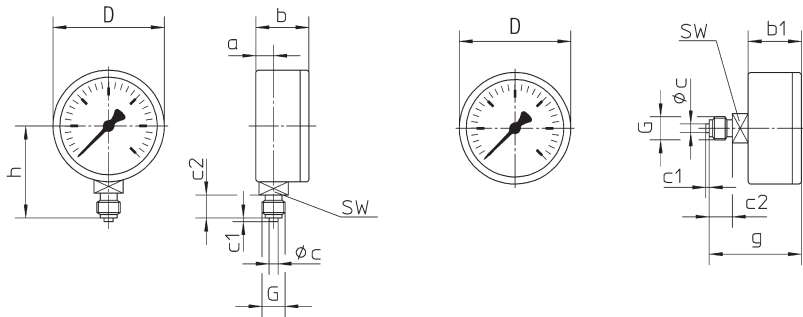
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# Case Configurations, Code Letters, Dimensional Data and Weights

Bottom connection,  
no additional code letter

Centre back connection,  
code letters: **rm**



## Dimensional data ( mm / inches ) and weights (kg / lb)

Nominal case size (NCS)	a <sup>±0.5</sup>	b <sup>±1</sup>	b1 <sup>±0.5</sup>	c	c1	c2	D	g <sup>±0.5</sup>	G	h <sup>±1</sup>	SW	approx. weight
40 1½"	9.5 .37	27 1.06	-	-	10 .4	40 1.57	46 1.81	G 1/8 B <sup>1)</sup>	36 1.42	14	.55	.13 .28
50 2"	11.5 .45	30 1.18	5 .2	2 .08	13 .51	49 1.93	50 1.97	G 1/4 B	45 1.77			

<sup>1)</sup> without centre bolt