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 TECHNICAL DATA SHEET

# ABB cable glands – RBSG series

## Brass, rail specific EN45545



EN45545-2 Compliant cable gland for use in rail, rolling stock and infrastructure applications.

**Certifications / Standards:**




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**Features & Benefits:**

- EN 45545-2 Compliant HL3 for category R22 and R23 usage
- Robust metallic construction
- Multiple seal bushings for wide clamping range

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**Applications:**

- General purpose rolling stock and infrastructure applications
- R22 interior locations for small components
- R23 exterior locations for small components
- Suitable for cable types:
  - Non-armoured
  - Portable
  - Tray

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**Material:**

- All materials EN 45545-2 compliant to HL3 for category R22 and R23 use
- Nickel plated brass body and cap
- Low smoke zero halogen EPDM seals

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**Environmental ratings:**

**Working Temperature:**

- Normal use: -50 to +125°C (-40 to +257°F)
- Short term: -50 to +140°C (-40 to +284°F)

**Ingress protection:**

To ensure ingress protection, use suitable gasket and lock nut when required.

- IP66
- IP68 (5 bar 30 mins)
- IP69

**Fire**

- EN 45545-2 HL3

**Chemical resistance guide:**

- See publication TDS000081

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**Conforms to:**

- EN 45545-2, R22 and R23, HL3
- EN 62444
- RoHS (Restriction of Hazardous Substances Directive) 2011/65/EU Incorporating 2015/863 amendment to Annex II
- WEEE (Waste Electrical & Electronic Equipment Directive) 2002/96/EC
- LVD (Low Voltage Directive) 2014/35/EU

Product selection														
Part no:	Thread (metric)	Cable range				Seals ranges					Nominal dimensions			
						S1		S2		S3				
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	A	B	C
RBSG-M201	M20x1.5	<b>4.0</b>	<b>12.0</b>	<b>9.0</b>	<b>12.0</b>	<b>6.0</b>	<b>9.0</b>	<b>4.0</b>	<b>6.0</b>	<b>9.0</b>	<b>27.0</b>	<b>24.5</b>	<b>22.0</b>	<b>22.0</b>
		(0.157)	(0.472)	(0.354)	(0.472)	(0.236)	(0.354)	(0.157)	(0.236)	(0.354)	(1.063)	(0.965)	(0.866)	(0.866)
RBSG-M202	M20x1.5	<b>10.0</b>	<b>16.0</b>	<b>14.5</b>	<b>16.0</b>	<b>12.0</b>	<b>14.5</b>	<b>10.0</b>	<b>12.0</b>	<b>9.0</b>	<b>30.0</b>	<b>31.0</b>	<b>28.0</b>	<b>28.0</b>
		(0.394)	(0.63)	(0.571)	(0.63)	(0.472)	(0.571)	(0.394)	(0.472)	(0.354)	(1.181)	(1.22)	(1.102)	(1.102)
RBSG-M251	M25x1.5	<b>4.0</b>	<b>12.0</b>	<b>9.0</b>	<b>12.0</b>	<b>6.0</b>	<b>9.0</b>	<b>4.0</b>	<b>6.0</b>	<b>9.0</b>	<b>27.0</b>	<b>31.0</b>	<b>28.0</b>	<b>22.0</b>
		(0.157)	(0.472)	(0.354)	(0.472)	(0.236)	(0.354)	(0.157)	(0.236)	(0.354)	(1.063)	(1.22)	(1.102)	(0.866)
RBSG-M252	M25x1.5	<b>10.0</b>	<b>18.0</b>	<b>14.5</b>	<b>18.0</b>	<b>12.0</b>	<b>14.5</b>	<b>10.0</b>	<b>12.0</b>	<b>9.0</b>	<b>30.5</b>	<b>31.0</b>	<b>28.0</b>	<b>28.0</b>
		(0.394)	(0.709)	(0.571)	(0.709)	(0.472)	(0.571)	(0.394)	(0.472)	(0.354)	(1.201)	(1.22)	(1.102)	(1.102)
RBSG-M321	M32x1.5	<b>10.0</b>	<b>18.0</b>	<b>14.5</b>	<b>18.0</b>	<b>12.0</b>	<b>14.5</b>	<b>10.0</b>	<b>12.0</b>	<b>9.0</b>	<b>30.5</b>	<b>39.0</b>	<b>35.0</b>	<b>28.0</b>
		(0.394)	(0.709)	(0.571)	(0.709)	(0.472)	(0.571)	(0.394)	(0.472)	(0.354)	(1.201)	(1.535)	(1.378)	(1.102)
RBSG-M322	M32x1.5	<b>14.0</b>	<b>24.0</b>	<b>20.0</b>	<b>24.0</b>	<b>17.0</b>	<b>20.0</b>	<b>14.0</b>	<b>17.0</b>	<b>9.0</b>	<b>33.0</b>	<b>39.0</b>	<b>35.0</b>	<b>35.0</b>
		(0.551)	(0.945)	(0.787)	(0.945)	(0.669)	(0.787)	(0.551)	(0.669)	(0.354)	(1.299)	(1.535)	(1.378)	(1.378)
RBSG-M323	M32x1.5	<b>22.0</b>	<b>28.0</b>	<b>27.0</b>	<b>28.0</b>	<b>24.0</b>	<b>27.0</b>	<b>22.0</b>	<b>24.0</b>	<b>9.0</b>	<b>41.0</b>	<b>49.5</b>	<b>45.0</b>	<b>45.0</b>
		(0.866)	(1.102)	(1.063)	(1.102)	(0.945)	(1.063)	(0.866)	(0.945)	(0.354)	(1.614)	(1.949)	(1.772)	(1.772)
RBSG-M401	M40x1.5	<b>14.0</b>	<b>24.0</b>	<b>20.0</b>	<b>24.0</b>	<b>17.0</b>	<b>20.0</b>	<b>14.0</b>	<b>17.0</b>	<b>9.0</b>	<b>33.0</b>	<b>50.0</b>	<b>45.0</b>	<b>35.0</b>
		(0.551)	(0.945)	(0.787)	(0.945)	(0.669)	(0.787)	(0.551)	(0.669)	(0.354)	(1.299)	(1.969)	(1.772)	(1.378)
RBSG-M402	M40x1.5	<b>22.0</b>	<b>32.0</b>	<b>27.0</b>	<b>32.0</b>	<b>24.0</b>	<b>27.0</b>	<b>22.0</b>	<b>24.0</b>	<b>9.0</b>	<b>40.5</b>	<b>49.5</b>	<b>45.0</b>	<b>45.0</b>
		(0.866)	(1.26)	(1.063)	(1.26)	(0.945)	(1.063)	(0.866)	(0.945)	(0.354)	(1.594)	(1.949)	(1.772)	(1.772)
RBSG-M501	M50x1.5	<b>26.0</b>	<b>35.0</b>	<b>31.0</b>	<b>35.0</b>	<b>28.0</b>	<b>31.0</b>	<b>26.0</b>	<b>28.0</b>	<b>9.0</b>	<b>43.5</b>	<b>61.0</b>	<b>55.0</b>	<b>50.0</b>
		(1.024)	(1.378)	(1.22)	(1.378)	(1.102)	(1.22)	(1.024)	(1.102)	(0.354)	(1.713)	(2.402)	(2.165)	(1.969)
RBSG-M502	M50x1.5	<b>35.0</b>	<b>44.0</b>	<b>41.0</b>	<b>44.0</b>	<b>38.0</b>	<b>41.0</b>	<b>35.0</b>	<b>38.0</b>	<b>9.0</b>	<b>43.0</b>	<b>70.0</b>	<b>64.0</b>	<b>64.0</b>
		(1.378)	(1.732)	(1.614)	(1.732)	(1.496)	(1.614)	(1.378)	(1.496)	(0.354)	(1.693)	(2.756)	(2.52)	(2.52)

Bold numbers are metric, parenthesis numbers are inches.

Note: Product must be installed in accordance with applicable national and local electrical codes.

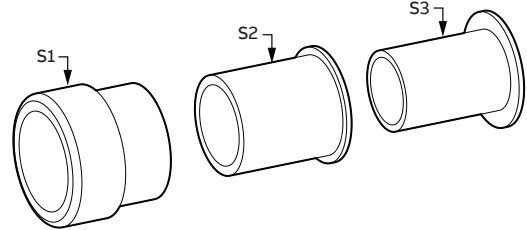
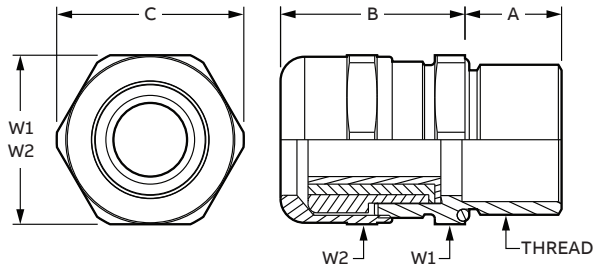


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