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**ERNST HEINRICH**

## Brigg

### DIN 89 280 Cable Gland for Shielded Cables

The Brigg cable gland has been specially developed for the internal and external installation of EMC-shielded cables on ships. It is built to the DIN 89 280 norm and contains a grounding insert, a washer and a seal. Due to the design of the grounding insert the cable's shielding extends 360° around the surface of the grounding insert.

The large, unbroken conducting connection between the grounding insert and the body ensures superior EMC protection. The Brigg is available in a standard brass version, but can be delivered with a **chrome** or **nickel-plated surface** as well as other materials like A2/A4 steel or aluminum.



#### Technical Data

- Connecting threads from M16 x 1.5 to M105 x 2 according to the DIN 89 280-1 or EH norms
- Special connecting threads available upon request, like PG, NPT, inch, metric, extension and reduction
- Cable diameters up to 78.0 mm
- Protection rating: IP 56
- Temperature range: -40 to +100 °C
- Material: brass (MS58 – CuZn39Pb3), A2 steel (1.4305), A4 steel (1.4571), aluminum (AlMgSi alloys)
- Surface: brass (blank, chrome or nickel-plated)
- Accessories: locknut, EMC locknut, seal

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## ERNST HEINRICH GmbH & Co. KG

Winsbergring 10 Telephone +49 (0)40 890 69 29 -0  
22525 Hamburg Telefax +49 (0)40 890 69 29 -29  
Germany

info@ernst-heinrich.de  
www.ernst-heinrich.de

www.ihre-kabelverschraubung.de



GL Systems Certification



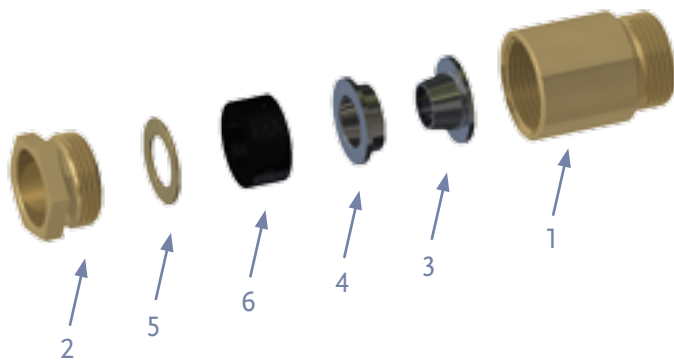
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## Brigg

### DIN 89 280 Cable Gland for Shielded Cables



#### Parts List

Item No.	Name	Quantity
1	Body	1
2	Threaded Bush	1
3	Grounding Insert (inner)	1
4	Grounding Insert (outer)	1
5	Washer	1
6	Seal	1

#### Product Variants

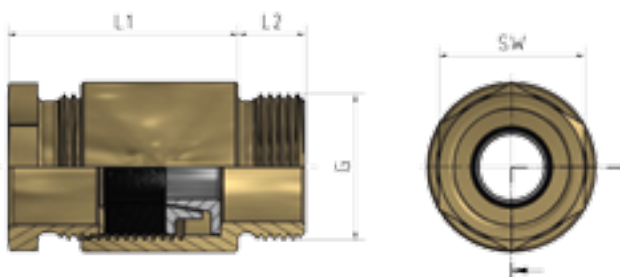
Type	Thread	Cable Ø	L1	L2	AF
Brigg 16	M16 x 1.5	6.0 – 7.5	37.5	9	17
Brigg 18	M18 x 1.5	7.0 – 10.5	31.5	10	19
Brigg 24	M24 x 1.5	7.0 – 17.5	36.5	11	24
Brigg 30	M30 x 2.0	13.0 – 20.5	40.0	12	30
Brigg 36	M36 x 2.0	16.0 – 26.5	44.0	13	36
Brigg 45	M45 x 2.0	26.0 – 32.5	48.0	14	46
Brigg 56	M56 x 2.0	32.0 – 41.5	51.5	15	55
Brigg 72	M72 x 2.0	41.0 – 56.5	55.5	16	70
Brigg 80	M80 x 2.0	56.0 – 68.0	67.0	18	85
Brigg 105	M105 x 2.0	68.0 – 78.0	81.0	20	105

#### Materials

(Measurements in mm)

Material	Surface (optional)
Brass: CuZn39Pb3	Blank, chrome or nickel-plated
A2 Steel: 1.4305	-
A4 Steel: 1.4571	-
Aluminum: AlMgSi alloy	-

(Other materials upon request)



- Cable gland based on DIN 89 280-1 or EH norms
- Cable diameters up to 78.0 mm
- Protection class: IP 56
- Equipment type: Z

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