

Technical data sheet

Nippel 89, schwarz

Item number: 2012146



Closed entry nipple with perforation membrane for cable diameters 7–13 mm.
Ideal for simple cable routing in housings or through thin sheet metal.
Required hole diameter 18.5–19 mm, wall thickness max. 1.8 mm.



TPE Thermoplastic elastomer

Master data

Item number	2012146
Type	89 SW
Description 1	Nipple
Manufacturer	OBO
Dimension	Ø7-13mm
Colour	Black
Material	Thermoplastic elastomer
Smallest sales unit	100
Unit of quantity	Piece
Weight	0.112 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,0105 kg CO2e / 1 Piece

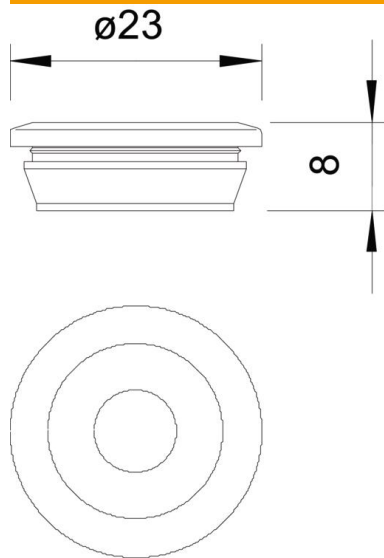
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Dimensions



Dimension t	1.8 mm
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Version for	Closed
Flame-resistant	acc. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C
for diameter, max.	13 mm
for diameter, min.	7 mm
for wall thickness, max.	1.8 mm
for wall thickness, min.	1.8 mm
Size	PG 11
Halogen-free	yes
Nominal size PG	11
ROHS-conformant	yes