



Installation material

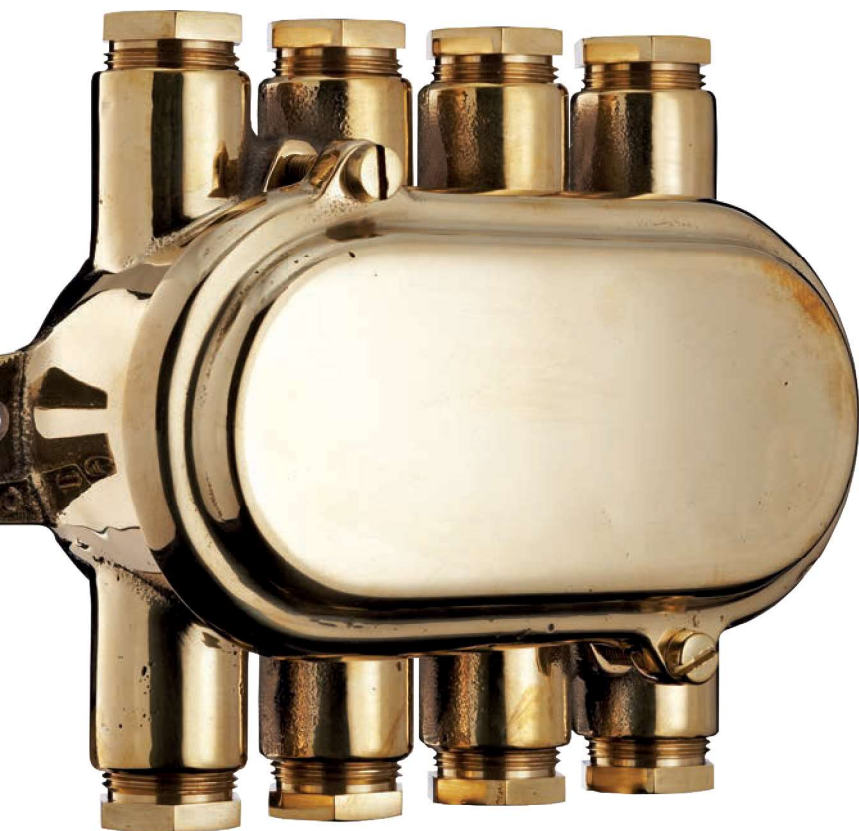
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Junction boxes

Our junction boxes are cast from high-quality brass or gunmetal and have a protection class of at least IP 41 for indoor use and IP 56 or IP 67 for outdoor use.

The variety of cast-on cable entries makes it easy to always find the right product for individual requirements.





BATABANO

The BATABANO junction boxes provide extensive protection against heavy sea and dust. Due to the wide range of variants, we offer a suitable solution for every condition.

- + Robust design
- + Manufactured according to HNA standards
- + Undetachable cover screws
- + High durability

Technical Data

Material and color	Brass housing and cover (blank)
IP protection class	IP 56
Cable gland	M24x1.5
Insert	Insert DIN 89300 made of steatite with 4 terminals up to 2,5mm ²
Nominal voltage	Max. 500 V AC/DC
Nominal current	Max. 16 A
Weight	0.58 kg to 0.85 kg
Dimensions	Up to H120xW120xD50 (mm)

Variant	100 I 111	107	111	111a
Variant	112a	110	110a	112

Options

Polished finish

Other cable gland inserts selectable

Powdercoated on request

Polished finish at extra cost

Cable junction box

BATABANO




BATABANO

BATABANO junction boxes are made of resistant brass and therefore ideally protected against heavy sea and dust. The robust shape guarantees high durability.

- + Up to 8 cable glands
- + Undetachable cover screws
- + Robust design
- + High durability

Technical Data

Material and color	Brass housing and cover (blank)		
IP protection class	IP 56		
Cable gland	M24x1.5		
Insert	Insert DIN 89300 made of steatite with 4 terminals up to 2.5mm ²		
Nominal voltage	Max. 500 V AC/DC		
Nominal current	Max. 16 A		
Weight	1.15 kg to 1.85 kg		
Dimensions	Up to H186xW126xD58 (mm)		

Variant	179/3	179/4	179/8
			

Options

Polished finish

Powdercoated on request

Other cable gland inserts selectable

Polished finish at extra cost



CARDIGAN

The CARDIGAN junction box series made of brass impresses with its stability and high protection against seawater and dust. Due to the different housing sizes, the series offers a suitable solution for every scenario.

- + Robust design
- + Undetachable cover screws
- + Resistant to corrosion
- + High durability

Technical Data

Material and color	Brass housing and cover (blank)
IP protection class	IP 56
Weight	0.80 kg to 9.00 kg
Dimensions	Up to H234xW267xD160 (mm)

Options

Polished finish

Powdercoated on request

Polished finish at extra cost

Junction boxes

CARDIGAN



CARDIGAN

The CARDIGAN junction box series is also available in ABS or Polycarbonate, which is a more stable version. With the use of these materials, the junction boxes are extra light and highly customizable.

- + Light weight
- + Undetachable cover screws
- + Resistant to corrosion
- + High mechanical and chemical resistance

Technical Data

Material and color	Housing and cover made of ABS or PC (RAL 7035)
IP protection class	IP 66 and IP 67
Seal	Integrated PUR cover seal
Weight	0.15 kg to 0.75 kg
Dimensions	Up to H175xW250xD100 (mm)

Options

Other sizes and complete assemblies on request

Polished finish at extra cost



TAURUS

TAURUS features high reliability and is compatible with all luminaires that have a cable entry M24x1.5. TAURUS is available in the HNA usual dimensions and a smaller special version.

- + Manufactured according to HNA standards
- + Reduces temperature at the connection point
- + Robust design
- + High durability

Technical Data

Material and color	Brass housing and cover (blank)
IP protection class	IP 56
Cable gland	M24x1.5
Cable entry point	M24x1.5
Insert	2-pole terminal with slotted nuts, connection cable heatresistant up to 180°C
Weight	0.40 kg to 0.95 kg
Dimensions	Up to H144xW136xD50 (mm)

Variante	2320/1 232/1 232/li 232/re	2320/2 232/2	2320/D 232/D

Options

Polished finish

Other cable gland inserts selectable

Powdercoated on request

Polished finish at extra cost



Switches, buttons and plug-in devices

KARL DOSE offers a wide range of plugs, switches and push buttons for marine applications.

All products are made of high quality materials and feature a protection class of at least IP 41 for indoor use and up to IP 67 for outdoor use.

Our range includes HNA, concentric and lockable plugs as well as sockets for voltage starting at 50V to 150V and up to 250V.



Emergency power off button, key switch

CALETTA



CALETTA

Our products within the CALETTA family are divided in two models. The emergency power off button as well as the key switch are designed to be as robust as possible. Thanks to its design, the switch/button can be installed in a wide variety of environments.

- + Robust design
- + High durability
- + Undetachable cover screws
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank)		
IP protection class	IP 56		
Cable gland	M24x1.5		
Insert	1 N.O. - 1 N.C. made of molded material		
Nominal voltage	Max. 500 V AC; max. 220 V DC		
Nominal current	Max. 6 A		
Weight	0.80 kg to 0.93 kg		
Dimensions	Up to H109xW90xD127 (mm)		

Variant	168 169	168/2 169/2	168/D 169/D

Options

Polished finish

Powdercoated on request

Polished finish at extra cost

Push and signal buttons

KATTEGAT



KATTEGAT

The KATTEGAT family consists of different housing shapes and can thus accommodate variants with single button as well as variants with multiple buttons.

- + Robust design
- + High durability
- + Undetachable cover screws
- + Resistant to corrosion
- + Variable configuration of the push button options

Technical Data

Material and color	Brass housing and cover (blank)
IP protection class	IP 56
Cable gland	M24x1.5
Insert	Push button 1 N.O. and/or 1 N.C. in green and red
Nominal voltage	Max. 500 V AC; max. 220 V DC
Nominal current	Max. 2 A at AC, max. 0.3 A at DC
Weight	0.84 kg to 2.03 kg
Dimensions	Up to H214xW73xD79 (mm)

Variant	173 275 276 1732 1733	173/2 275/2 276/2	173/D 275/D 276/D 1732/D 1733/D

Options

Polished finish	Emergency power off button	Other button colors
Powdercoated on request	Indicator lamp	
Illuminated push button	Pushbutton with arrows	

Polished finish at extra cost

Door switch with shift lock

LYNN



LYNN

The durable brass door switch is used to automatically turn off surrounding light sources when the door to a darkened room is opened. Due to the IP protection of 56, the switch can be mounted both on and below deck.

- + Robust design
- + High durability
- + Undetachable cover screws
- + Resistant to corrosion
- + Shockproof

Technical Data

Material and color	Brass housing and cover (blank)		
IP protection class	IP 56		
Cable gland	M24x1.5		
Insert	Rocker switch insert 1/2, 2-pole		
Nominal voltage	Max. 250 V AC; max. 230 V DC		
Nominal current	Max. 10 A at AC; max. 2 A at DC		
Weight	1.78 kg to 2.05 kg		
Dimensions	Up to H148xW114xD76 (mm)		

Variant	328	328/2	328/D	328/4
				

Options

Polished finish

Powdercoated on request

Available with locking device

Polished finish at extra cost

Rotary switch 16 A

MARMARA



MARMARA

The MARMARA rotary switch is designed for use in high power ranges and covers many possible applications. By using brass as main material, a particularly long service life is achieved.

- + Robust design
- + Undetachable cover screws
- + Resistant to corrosion
- + High durability

Technical Data

Material and color	Brass housing and cover (blank)
IP protection class	IP 56
Cable gland	M24x1.5
Insert	Switch insert: 16 A - 1/2, 2-pole 16 A - 4/2, 2-pole 16 A - 1/3, 3-pole 16 A - 4/3, 3-pole
Nominal voltage	Max. 400 V AC; max. 250 V DC
Nominal current	Max. 16 A
Weight	1.15 kg to 1.65 kg
Dimensions	Up to H123xW110xD120 (mm)

Variant	266 366	266/2 267/2 366/2 367/2	266/D 267/D 366/D 367/D	266/3 267/3 366/3 367/3

Options

- Polished finish
- Other switch types available on request
- Powdercoated on request

Polished finish at extra cost



SAGINAW

Thanks to its standardized dimensions the classic HNA switch is reliable and identical in construction for decades. SAGINAW family is available in various versions and withstands even poor conditions due to its IP protection.

- + Robust design
- + High durability
- + Manufactured according to HNA standards
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank)
IP protection class	IP 56
Cable gland	M24x1.5
Insert	Switch insert: 2-pole-cut-out DIN 89322-1/2 1-pole-change-over DIN 89322-6/1 1-pole-multi circuit DIN 89322-5/1 1-pole-reversing DIN 89322-7/1
Nominal voltage	Max. 250 V AC/DC
Nominal current	Max. 10 A
Weight	0.70 kg to 0.90 kg
Dimensions	Up to H140xW80xD75 (mm)

Variant	117	118	118/3	119
				

Options

Polished finish	Switch interior 2-pole cut-out 16A
Powdercoated on request	

Polished finish at extra cost

Switch or push button with control-light

LENCTATIS LED



LENCTATIS

LENCTATIS LED combines the advantages of a switch/button made of durable brass with an additional optical signal. LENCTATIS is reliably protected against heavy sea and dust.

- + Robust design
- + High durability
- + Easy installation
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank)
IP protection class	IP 56
Cable gland	M24x1.5
Insert	- Switch insert 2 pole DIN 89322-1/2 - Push button insert 1 N.C. - 1 N.O.
Nominal voltage	Max. 250 V AC/DC Max. 500 V AC, max. 220 V DC
Nominal current	Switch: Max. 10 A Push-button: Max. 2 A at AC, max. 0,3 A at DC
Weight	1.10 kg to 1.20 kg
Dimensions	Up to H185xW90xD125 (mm)
Variant	135 135/T 136 136/T



Options

- Polished finish
- Powdercoated on request
- Control lamp with other colors

Polished finish at extra cost

Concentric socket 2-pole with switch or push button

TAMPA



TAMPA

The concentric socket TAMPA is very versatile. It is available with switch or push button. For each situation a suitable variant.

- + Robust construction
- + High durability
- + Undetachable cover screws
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank), molded material screw cap		
IP protection class	IP 56		
Cable gland	M24x1.5		
Insert	<ul style="list-style-type: none">- 2-pole socket insert made of steatite- switch insert 2-pole cut-out DIN 89322-1/2- Socket insert, push button insert 1 N.O. - 1 N.C.		
Nominal voltage	Max. 50 V AC/DC		
Nominal current	Switch: max. 10 A Push button: max. 6 A AC, max. 1,2 A DC		
Weight	1.17 kg to 1.27 kg		
Dimensions	Up to H120xW140xD65 (mm)		

Variant	211/L 211/L/T 211/R 211/R/T	211/D 211/D/T	211/2/L 211/2/R 211/2/L/T 211/2/R/T

Options

Polished finish	Powdercoated on request	Brass screw cap
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Polished finish at extra cost

Concentric socket 2-pole

TAMPA



TAMPA

The concentric socket from the TAMPA family is available in various designs and sizes. Through the optionally available plug as well as a coupling, we offer you a reliable fully comprehensive plug device.

- + Robust design
- + High durability
- + Undetachable cover screws
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank), molded plastic screw cap
IP protection class	IP 56
Cable gland	M24x1.5
Insert	2-pole steatite socket insert
Nominal voltage	Max. 50 V AC/DC
Nominal current	Max. 10 A
Weight	0.76 kg to 0.95 kg
Dimensions	Up to H120xW140xD65 (mm)

Variant	207/L 207/R 209	207/D 209/D	207/2/L 207/2/R 209/2

Options

Polished finish	Powdercoated on request	Brass screw cap
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Polished finish at extra cost

Concentric plug and coupling 2-pole

TAMPA



TAMPA

The TAMPA plug/coupling series is the optimal complement to our sockets of the same name.

- + Robust design
- + High durability
- + Corrosion resistant

Technical Data

Material and color	Brass (blank) and molded material
IP protection class	IP 56
Cable gland	Screw bush made of plastic with strain relief
Nominal voltage	Max. 50 V AC/DC
Nominal current	Max. 10 A
Weight	0.13 kg
Dimensions	Up to H165xØ39 (mm)

Options

Polished finish

Powdercoated on request

Polished finish at extra cost

HNA socket DIN 89262

BAFFIN






BAFFIN

The HNA socket is available with or without switch and convinces with decades of proven reliability and the standards of the HNA norm. Optionally available with plug and coupling.

- + Robust design
- + High durability
- + Undetachable cover screws
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank), molded material screw cap		
IP protection class	IP 56		
Cable gland	M24x1.5		
Insert	- Socket insert DIN 89320 from steatite 2P+PE - Additional switch insert 2-pole cut-out DIN 89322-1/2		
Nominal voltage	Max. 150 V AC/DC (type 1) Max. 250 V AC/DC (type 2)		
Nominal current	Max. 16 A at AC; max. 10 A at DC		
Weight	0.96 kg to 1.45 kg		
Dimensions	Up to H132xW140xD100 (mm)		
Variant	113/L 115/L 213/L 215/L 113/R 113/D 115/D 213/D 215/D 115/R 213/R 215/R		
	 		
Variant	113/2/L 115/2/L 213/2/L 215/2/L 113/2/R 115/2/R 213/2/R 215/2/R		
			

Options

Polished finish	24 V DC version
Powdercoated on request	Brass screw cap

Polished finish at extra cost



BAFFIN

The Baffin plug/coupling series is the optimal complement to our HNA sockets of the same name.

- + Robust design
- + Resistant to corrosion
- + High durability

Technical Data

Material and color	Brass (blank) or molded material
IP protection class	IP 56
Nominal voltage	Max. 150 V AC/DC Max. 250 V AC/DC
Nominal current	Max. 16 A at AC; max. 10 A at DC
Pole	2P+PE
Weight	0.17 kg to 0.55 kg
Dimensions	Up to H115xØ67 (mm)

Options

Polished finish

Brass screw cap

Powdercoated on request

Molded material screw cap

Polished finish at extra cost

Lockable socket

BERING



BERING

For additional plug-in security, we offer the BERING plug-in device with mechanical locking. The model is designed for the most demanding conditions on board and features high IP protection. We offer the matching plug for the socket outlet

- + Robust design
- + Mechanical locking
- + High durability
- + Undetachable cover screws

Technical Data

Material and color	Brass housing and cover (blank), molded material screw cap
IP protection class	IP 56
Cable gland	M24x1.5
Insert	Rotary switch, socket insert acc. to DIN 89320 made of steatite 2P+PE
Nominal voltage	Max. 150 V AC/DC (type 1) Max. 250 V AC/DC (type 2)
Nominal current	Max. 16 A at AC; max. 10 A at DC
Weight	1.58 kg to 1.72 kg
Dimensions	Up to H132xW140xD130 (mm)

Variant	163/L 363/L 163/R 363/R	163/D 363/D	163/2/L 363/2/L 163/2/R 363/2/R
			

Options

Polished finish	Powdercoated on request	Brass screw cap
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Polished finish at extra cost



BERING

The lockable BERING plug is the optimal complement to our sockets of the same name.

- + Robust design
- + Resistant to corrosion
- + High durability

Technical Data

Material and color	Brass housing (blank)
IP protection class	IP 56
Nominal voltage	Max. 150 V AC/DC (type 1) Max. 250 V AC/DC (type 2)
Nominal current	Max. 16 A at AC; max. 10 A at DC
Weight	Approx. 0.55 kg
Dimensions	Up to H115xØ61 (mm)

Options

Polished finish

Powdercoated on request

Socket 4-pole

DELAGOA



DELAGOA 272

With DELAGO you get a resistant plug-in device (socket + plug/ coupling), which was developed especially for telephone or microphone systems.

- + Robust design
- + High durability
- + Undetachable cover screws
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank), molded material screw cap	
IP protection class	IP 56	
Cable gland	M24x1.5	
Insert	4-pole steatite socket interior	
Nominal voltage	Max. 50 V AC/DC	
Nominal current	Max. 6 A	
Weight	0.85 kg to 0.90 kg	
Dimensions	Up to H140xW105xD70 (mm)	

Variant	272/R 272/2/L	272/2/L 272/2/R
		

Options

Polished finish	Powdercoated on request	Brass screw cap
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Polished finish at extra cost

Plug and coupling 4-pole

DELAGOA



DELAGOA

The DELAGOA plug and coupling is the optimal complement to our sockets of the same name.

- + Robust design
- + Resistant to corrosion
- + High durability

Technical Data

Material and color	Brass housing (blank)
IP protection class	IP 56
Insert	Steatite plug / coupling insert 4-pole
Nominal voltage	Max. 50 V AC/DC
Nominal current	Max. 6 A
Weight	0.29 kg to 0.30 kg
Dimensions	Up to H106xØ38 (mm)

Options

Polished finish

Powdercoated on request

Molded material screw cap

Polished finish at extra cost

Socket 4-pole + PE

REA



REA

The REA plug-in device (socket + plug) provides a device junction box for versatile tasks. For example, modern LED position lights can be connected to the product.

- + Simple installation
- + High durability
- + Undetachable cover screws
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank), molded material screw cap
IP protection class	IP 56
Cable gland	M24x1.5
Insert	Steatite socket interior 4P+PE
Nominal voltage	Max. 50 V AC/DC
Nominal current	Max. 10 A
Weight	1.00 kg to 1.10 kg
Dimensions	Up to H132xW111xD78 (mm)

Variant	264/L I 264/R	264/D	264/2/L I 264/2/R

Options

Polished finish	Powdercoated on request	Brass screw cap
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Polished finish at extra cost



REA

The REA plug is the optimal complement to our sockets of the same name.

- + Robust design
- + Resistant to corrosion
- + High durability

Technical Data

Material and color	Brass housing (blank)
IP protection class	IP 56
Cable gland	M24x1.5
Insert	steatite socket interior 4P+PE
Nominal voltage	Max. 50 V AC/DC
Nominal current	Max. 10 A
Weight	Approx. 0.55 kg
Dimensions	Up to H115xØ61 (mm)

Options

- Polished finish
- Powdercoated on request
- Molded material plug

Polished finish at extra cost

Sockets for test panels

CORAL



With the CORAL model series, we offer reliable sockets with high IP properties for test panels.

- + Robust design
- + Low space requirement
- + High durability
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank), molded material screw cap
IP protection class	IP 56
Insert	Models 263, 262 steatite socket interior acc. to DIN 89320, with sealing ring, without screw cap 2P + PE
	Model 201 steatite socket interior, with sealing ring, screw cap 2P
	Model 244 steatite socket interior, with sealing ring, screw cap 4P
Nominal voltage	Max. 50 V AC/DC
	Max. 150 V AC/DC (type 1)
	Max. 250 V AC/DC (type 2)
Nominal current	Max. 6 A DC
	Max. 10 A DC
	Max. 16 A at AC; max. 10 A at DC
Weight	0.26 kg to 0.40 kg
Dimensions	Up to H43,5xØ84 (mm)

Options

- Brass screw cap
- Polished finish
- Powdercoated on request

Polished finish at extra cost



SAWU 167

A socket box for 3 connections in the low voltage range. Due to its IP characteristics and the installed marine resistant components it can be installed both on and below deck.

- + Robust design
- + High durability
- + Undetachable cover screws
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank), molded material screw cap
IP protection class	IP 56
Cable gland	M24x1.5
Insert	2-pole steatite socket interiors
Nominal voltage	Max. 50 V AC/DC
Nominal current	Max. 10 A
Weight	2.95 kg
Dimensions	Up to H135xW250xD70 (mm)

Variant	176
	

Options

Brass screw cap

Polished finish

Powdercoated on request

Polished finish at extra cost

Socket box

NORTON



NORTON

The solid NORTON has been designed for the most demanding conditions on board. The use of resistant materials guarantees protection against heavy sea and dust.

- + Robust design
- + High durability
- + Undetachable cover screws
- + Resistant to corrosion

Technical Data

Material and color	Brass housing and cover (blank)
IP protection class	IP 56
Cable gland	M24x1.5
Insert	Steatite socket interior acc. to DIN 89320 2P+PE with 2 or 3 connections
Nominal voltage	Max. 150 V AC/DC (type 1) Max. 250 V AC/DC (type 2)
Nominal current	Max. 10 A
Weight	2.50 kg to 2.80 kg
Dimensions	Up to H125xW212xD100 (mm)
Variant	129 129a 229 229a



Options

Polished finish

Powdercoated on request

Polished finish at extra cost



ORETI

The solid ORETI morse key is used to switch on signal lights at sea. The use of brass as main material results in particularly high durability.

- + Resistant to corrosion
- + Robust design
- + High durability
- + Proven concept

Technical Data

Material and color	Brass housing and cover (blank)
IP protection class	IP 56
Cable gland	M24x1.5
Insert	Switch contact 1 N.C. - 1 N.O. with setting device
Nominal voltage	Max. 230 V AC/DC
Nominal current	Max. 6 A
Weight	1.18 kg
Dimensions	Up to H130xW134xD48 (mm)
Variant	310

Options

- Polished finish
- Powdercoated on request

Polished finish at extra cost



Multiple combinations

The TRI-ONE series offers great versatility in terms of its functionality. The selection ranges from a single to three modules and can be fitted with a wide range of plugs, switches, pushbuttons or multiple combinations. A compact design as well as a high level of corrosion protection allows mounting in almost all areas of operation.





TRITON
triple combination



TRITON
double combination



TRITON
single

Our TRITON family covers the entire range of installation materials. Choose from the TRITON family, according to your requirements from the appropriate inserts as well as the required housing dimension. Each option is available in both brass and powdercoated aluminum.




- + Modular construction
- + High durability
- + Individually configurable
- + Robust design

The dimensions of the depth vary depending on the insert (max. D84 mm).
Polished finish at extra cost.

Configurable installation material

TRITON

Technical Data

Material and color	Housing and cover made of brass or powdercoated aluminum (RAL 9018)
Cable gland	M24x1.5 brass
Optional interiors	<ul style="list-style-type: none">- HNA switch inserts- Pushbutton inserts- Junction inserts- Socket inserts- Rocker switch inserts- Rocker pushbutton inserts- Schuko socket inserts- Sub-D socket
Dimensions (without cable glands)	TRI ONE single H85xW85xD50 (mm) TRI-ONE double combination H170.5xW85xD55 (mm) TRI-ONE triple combination H261xW85xD52 (mm)
Variant	TRI-ONE single 
Variant	TRI-ONE double combination 
Variant	TRI-ONE 3-triple combination 

Options

Other cable glands available

Polished finish

Other switch inserts available

Powdercoated on request

Details on request. Our team will be glad to advise you.

The dimensions of the depth vary depending on the insert (max. D84 mm).
Polished finish at extra cost.





Cable installations

As a system provider for marine electrics, KARL DOSE of course offers a wide range of cable glands, reductions, extensions, locknuts and weld-on sockets for shipping and industry. The products are made of high-quality brass, polyamide or steel and available in protection classes IP 56 and IP 68. They are suitable for both indoor as well as outdoor use and are produced in accordance with DIN, EN and VG standards among others. The wide range of variants allows you to always find the right product for your requirements.

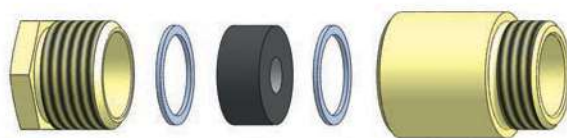


Cable gland for screw-in acc. DIN 89280.

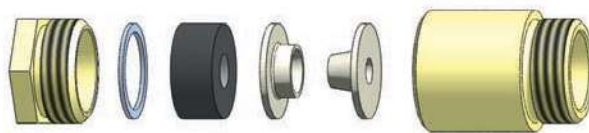
TONGA



TONGA 186S



type of fitting "W" for unscreened cable



type of fitting "Z" for screened cable

Technical Data

Cable gland for screw-in acc. DIN 89280.

Material Brass

Thread type Metric

IP protection class IP 56

Thread in mm	Equipment Z	Cabel Ø mm	Equipment W	Cabel Ø mm
M 16 x 1.5			188 S - W	6 - 7.5
M 18 x 1.5	187 S - Z	6 - 10.5	187 S - W	6 - 10.5
M 24 x 1.5	186 S - Z	7 - 17.5	186 S - W	7 - 17.5
M 30 x 2	185 S - Z	14.5 - 20.5	185 S - W	14.5 - 20.5
M 36 x 2	184 S - Z	16.5 - 26.5	184 S - W	16.5 - 26.5
M 45 x 2	183 S - Z	26 - 32.5	183 S - W	26 - 32.5
M 56 x 2	182 S - Z	32 - 41.5	182 S - W	32 - 41.5
M 72 x 2	181 S - Z	41 - 52.5	181 S - W	41 - 56.5
M 80 x 2	180 S - Z	62 - 66	180 S - W	62 - 66
M 105 x 2	179 S - Z	68 - 73	179 S - W	68 - 73 / 78 - 83

All cable glands also available in chrome-plated or nickel-plated versions at extra cost.
Also available in different thread sizes or with PG outer thread.

Flat locknuts

TONGA Mu



TONGA Mu

Flat locknut of brass, nickel plated acc. to DIN 46320 with PG thread or DIN 46319 with metric thread.

Technical Data

Material		Brass, nickel plated	
Thread type		Metric or PG	
Thread PG		Thread M	
PG 7	PG 21	M 12 x 1.5	M 40 x 1.5
PG 9	PG 29	M 20 x 1.5	M 50 x 1.5
PG 11	PG 36	M 25 x 1.5	M 63 x 1.5
PG 13.5	PG 42	M 32 x 1.5	
PG 16			
PG 48			



TONGA Mu

Flat locknuts of brass acc. to DIN 89280.

Optionally with claws for optimum contact in EMC applications.

Technical Data

Material	Brass
Thread type	Metric
Thread mm	
M 16 x 1.5	M 45 x 2
M 18 x 1.5	M 56 x 2
M 24 x 1.5	M 72 x 2
M 30 x 2	M 80 x 2
M 36 x 2	M 105 x 2

Also available with chrome or nickel plated surface for extra charge.

Reduction-type cable glands

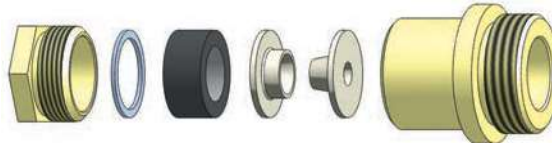
HEBRIDEN



HEBRIDEN



Type of fitting "W" for unscreened cable



type of fitting "Z" for screened cable

Technical Data

Reduction cable entry for screwing in with metric connection thread. Available in equipment "Z" for screened cables and equipment "W" for unscreened cable.

Material Brass

Thread type Metric

Thread inner mm	Thread outer mm	Cable Ø mm
M 18 x 1.5	M 24 x 1.5 / M 30 x 2	6 - 10.5
M 24 x 1.5	M 30 / 36 x 2	7 - 17.5
M 30 x 2	M 36 / 45 x 2	14.5 - 20.5
M 36 x 2	M 45 / 56 x 2	16.5 - 18.5 / 20 - 26.5
M 45 x 2	M 56 x 2	26 - 32.5
M 56 x 2	M 72 x 2	32 - 41.5

For an extra charge all cable glands are also available with chrome plated or nickel plated galvanic surface.



HEBRIDEN



Type of fitting "W" for unscreened cable



type of fitting "Z" for screened cable

Technical Data

Extension cable entry for screwing in with metric connection thread. Available in equipment "Z" for screened cables and equipment "W" for unscreened cable

Material Brass housing

Thread type Metric

Thread inner mm	Thread outer mm	Cable Ø mm
M 24 x 1.5	M 18 x 1.5	7 - 17.5
M 30 x 2	M 18 / 24 x 1.5	14.5 - 20.5
M 36 x 2	M 24 x 1.5 / M 30 x 2	16.5 - 18.5 / 20 - 26.5
M 45 x 2	M 30 / 36 x 2	26 - 32.5
M 56 x 2	M 36 / 45 x 2	32 - 41.5
M 72 x 2	M 56 x 2	41 - 56.5

For an extra charge all cable glands are also available with chrome plated or nickel plated galvanic surface.

Cable gland for screwing in

BORNEO CVKI



BORNEO CVKI



Type of fitting "W" for unscreened cable



type of fitting "Z" for screened cable earthing cones acc. to Din 50262

Technical Data

Cable gland with connection thread acc. to DIN 89280, stain relief, screwing in.

Material	Brass
Thread type	Metric
IP protection class	IP 68 with connection seal EN 50262

Thread in mm	Equipment Z (cable Ø mm)		Equipment W (cable Ø mm)	
M 16 x 1.5			CVKI 16-W	4.5 - 10
M 20 x 1.5	CVKI 20-Z	6 - 10.5	CVKI 20-W	6 - 13
M 25 x 1.5	CVKI 25-Z	7 - 17.5	CVKI 25-W	7 - 17
M 32 x 1.5	CVKI 32-Z	16.5 - 20.5	CVKI 32-W	13 - 21
M 40 x 1.5	CVKI 40-Z	16.5 - 26.5	CVKI 40-W	16 - 28
M 50 x 1.5	CVKI 50-Z	26 - 32.5	CVKI 50-W	21 - 35
M 63 x 1.5	CVKI 63-Z	32 - 41.5	CVKI 63-W	34 - 48

For an extra charge all cable glands are also available with chrome plated or nickel plated galvanic surface.



BORNEO CVKS



Type of fitting "W" for unscreened cable



type of fitting "W" for screened cable earthing cones acc. to Din 89345

Technical Data

Cable gland with connection thread acc. to DIN 89280, strain relief, screwing in.

Material	Brass
Thread type	Metric
IP protection class	IP 68 with connection seal EN 50262

Thread in mm	Equipment Z (cable Ø mm)		Equipment W (cable Ø mm)	
M 16 x 1.5	CVKS 16-Z	6 - 7.5	CVKS 16-W	4.5 - 10
M 18 x 1.5	CVKS 18-Z	6 - 10.5	CVKS 18-W	6 - 13
M 24 x 1.5	CVKS 24-Z	7 - 17.5	CVKS 24-W	7 - 17
M 30 x 2	CVKS 30-Z	16 - 20.5	CVKS 30-W	13 - 21
M 36 x 2	CVKS 36-Z	20 - 26.5	CVKS 36-W	16 - 28
M 45 x 2	CVKS 45-Z	26 - 32.5	CVKS 45-W	21 - 35
M 56 x 2	CVKS 56-Z	32 - 41.5	CVKS 56-W	34 - 48
M 72 x 2	CVS 72-Z	41 - 52.5	CVS 72-W	41 - 56.5

For an extra charge all cable glands are also available with chrome plated or nickel plated galvanic surface.

Cable glands according to VG standard

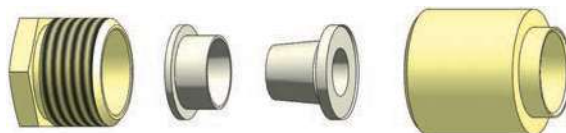
SUMATRA



SUMATRA



screw-in type long screw-bush chrome plated earthing cones VG 88812



rivet-type long screw-bush chrome plated earthing cones VG 88812

Technical Data

Brass cable gland acc. to DIN 89280 with type of fitting VG 88812

For screw in "S" or rivet in "N"

Material Brass (chrome plated earthing cones)

Thread type Metric

Equipment	Thread mm	Cable Ø mm
488 S / N	M 16 x 1.5	< 10.5 - 10.5
487 S / N	M 18 x 1.5	< 9.5 - 12.5
486 S / N	M 24 x 1.5	< 9.5 - 16.5
485 S / N	M 30 x 2	< 16.5 - 20.5
484 S / N	M 36 x 2	< 21 - 25.5
483 S / N	M 45 x 2	25.5 - 31.5
482 S / N	M 56 x 2	< 31.5 - 41
481 S / N	M 72 x 2	< 41.5 - 55

For an extra charge all cable glands are also available with chrome plated or nickel plated galvanic surface.
VG 88773: cable gland completely chrome plated or nickel plated.



FIDSCHI CES

Technical Data

Cable gland with strain relief, installed sealing ring and wide clamping range, manufactured acc. to EN 50262, O-ring on outer thread

Material	Brass, nickel plated
Thread type	Metric to PG
IP protection class	IP 68 - 5 bars

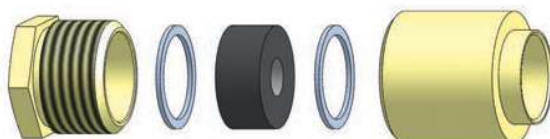
Thread M	Cable Ø mm	Thread PG	Cable Ø mm
M 12 x 1.5	3 - 6	PG 7	3 - 6.5
M 16 x 1.5	5 - 9	PG 9	4 - 8
M 20 x 1.5	9 - 13	PG 11	5 - 10
M 25 x 1.5	11 - 16	PG 13.5	6 - 12
M 32 x 1.5	14 - 21	PG 16	10 - 14
M 40 x 1.5	19 - 27	PG 21	13 - 18
M 50 x 1.5	24 - 35	PG 29	18 - 25
M 63 x 1.5	32 - 42	PG 36	24 - 32
		PG 42	30 - 38
		PG 48	34 - 44

Cable gland for riveting in

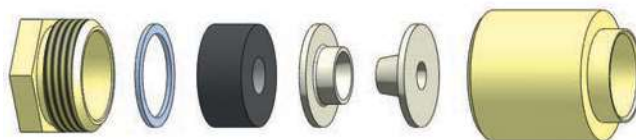
CALYPSO Brass



CALYPSO



type of fitting "W" for screened cable



type of fitting "Z" for screened cable

Technical Data

Brass cable gland acc. to DIN 89280, rivet type.

Material Brass

Thread type Metric

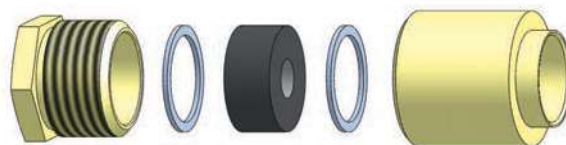
IP protection class IP 56

Thread / Rivet Ø mm	Equipment Z (cable Ø mm)		Equipment W (cable Ø mm)	
M 18 x 1.5/15	187 N-Z	6 - 10.5	187 N-W	6 - 10.5
M 24 x 1.5/20	186 N-Z	7 - 17.5	186 N-W	7 - 17.5
M 30 x 2/26	185 N-Z	14.5 - 20.5	185 N-W	14.5 - 20.5
M 36 x 2/32	184 N-Z	16.5 - 26.5	184 N-W	16.5 - 26.5
M 45 x 2/40	183 N-Z	26 - 32.5	183 N-W	26 - 32.5
M 56 x 2/50	182 N-Z	32 - 41.5	182 N-W	32 - 41.5
M 72 x 2/65	181 N-Z	41 - 52.5	181 N-W	41 - 56.5

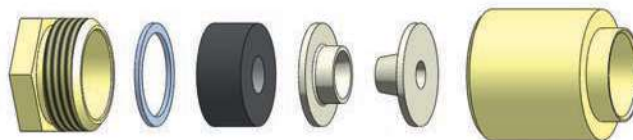
For an extra charge all cable glands are also available with chrome plated or nickel plated galvanic surface.



CALYPSO



type of fitting "W" for screened cable



type of fitting "Z" for screened cable

Technical Data

Cable gland acc. to DIN 89280 for riveting in - also available for screwing in, designation then "S" (e.g. 286 S-Z).

Material Galvanized steel; Screw socket: brass

Thread type Metric

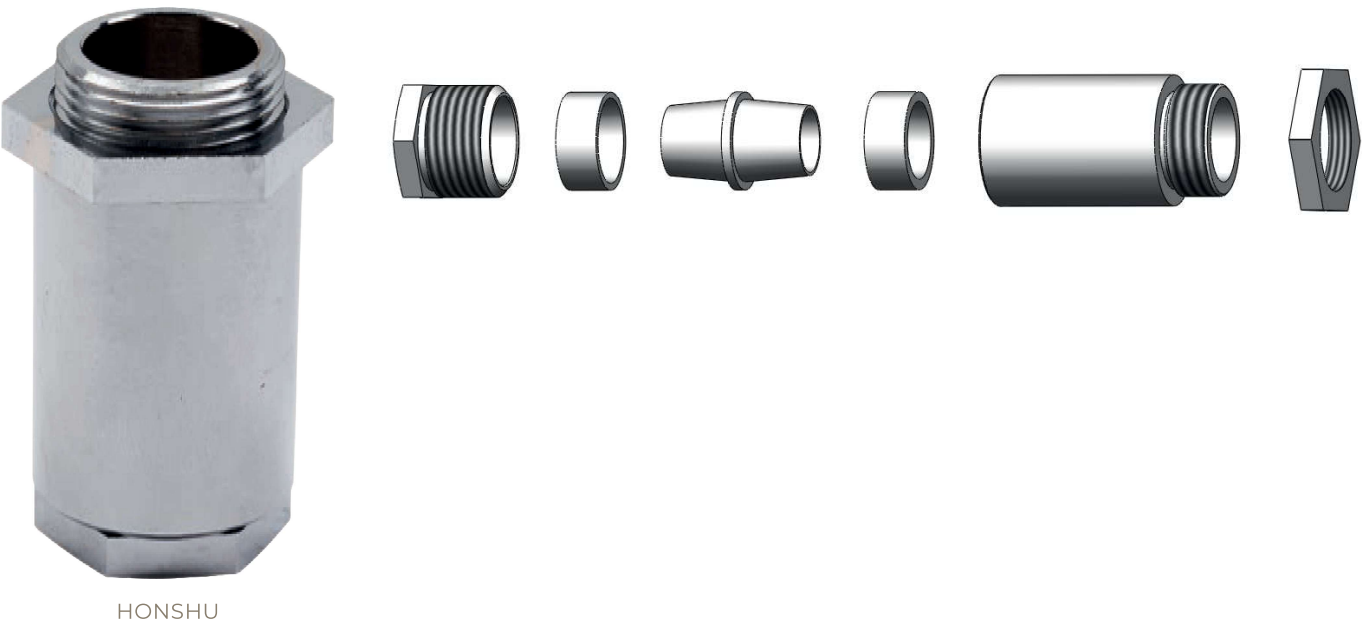
IP protection class IP 56

Thread / Rivet Ø mm	Equipment Z (cable Ø mm)		Equipment W (cable Ø mm)	
M 18 x 1.5/15	287 N-Z	6 - 10.5	287 N-W	6 - 10.5
M 24 x 1.5/20	286 N-Z	7 - 17	286 N-W	7 - 17
M 30 x 2/26	285 N-Z	14.5 - 20.5	285 N-W	14.5 - 20.5
M 36 x 2/32	284 N-Z	16.5 - 26.5	284 N-W	16.5 - 26.5
M 45 x 2/40	283 N-Z	26 - 32.5	283 N-W	26 - 32.5
M 56 x 2/50	282 N-Z	32 - 41.5	282 N-W	32 - 41.5
M 72 x 2/65	281 N-Z	41 - 52.5	281 N-W	41 - 56.5

For an extra charge all cable glands are also available with chrome plated or nickel plated galvanic surface.

Cable glands

HONSHU



Technical Data

Cable gland for electric conducted walls

Material Brass, chrome plated

Thread type Metric

Thread mm	Cable Ø mm
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M 18 x 1.5	< 11.5 - 12.5
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M 24 x 1.5	< 11.5 - 16.5
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M 30 x 2	16.5 - 20.5
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M 36 x 2	20.5 - 25.5
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M 45 x 2	25.5 - 31.5
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M 56 x 2	31.5 - 41
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M 72 x 2	41 - 50.5
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KORNATEN STS



Technical Data

Metric thread acc. to EN 60423 or PG acc. to DIN 40430. Integrated strain relief acc. to EN 50262. The products are available with matching hexagon nuts.

Material Stainless steel 1.4305/303

Thread type Metric or PG

IP protection class IP 68; IP 69K (not all sizes)

Thread M	Cable Ø mm	Thread PG	Cable Ø mm
M 12 x 1.5	3 - 6.5	PG 7	3 - 6.5
M 16 x 1.5	4 - 10	PG 9	4 - 8
M 20 x 1.5	6 - 12	PG 11	5 - 10
M 25 x 1.5	10 - 17	PG 13.5	6 - 12
M 32 x 1.5	13 - 21	PG 16	10 - 14
M 40 x 1.5	18 - 28	PG 21	13 - 18
M 50 x 1.5	22 - 38	PG 29	18 - 25
M 63 x 1.5	34 - 44	PG 36	22 - 32
		PG 42	30 - 38
		PG 48	34 - 44

Also available in material 1.4404/316L.

Cable glands

LOFOTEN



LOFOTEN CG Pg11 KV

Technical Data

Cable glands acc. to DIN EN 50262. Design for standard cable type CG. Can be used in environments from -30°C to +100°C.

Material and colour	Polyamid RAL 7035
Thread type	Metric or PG
IP protection class	IP 68 - 5 bar

Thread M	Cable Ø mm	Thread PG	Cable Ø mm
M 12 x 1.5	2 - 6.5	PG 7	3 - 6.5
M 16 x 1.5	4 - 10	PG 9	4 - 8
M 20 x 1.5	7 - 14	PG 11	5 - 10
M 25 x 1.5	9 - 16	PG 13.5	6 - 12
M 32 x 2	10 - 21	PG 16	10 - 14
M 40 x 2	16 - 28	PG 21	13 - 18
M 50 x 2	21 - 34.5	PG 29	18 - 25
M 63 x 2	32 - 44.5	PG 36	22 - 34
		PG 42	30 - 38
		PG 48	32 - 44.5

With multiple seal kit on request.
Other colors on request.



LOFOTEN CGN M40



LOFOTEN CGN Pg7

Technical Data

Flat locknuts

Material and colour Polyamid RAL 7035

Thread type Metric or PG

Thread M	Key-width mm	Thread PG	Key-width mm
M 12 x 1.5	17	PG 7	19
M 16 x 1.5	22	PG 9	22
M 20 x 1.5	27	PG 11	24
M 25 x 1.5	32	PG 13.5	27
M 32 x 2	41	PG 16	30
M 40 x 2	50	PG 21	36
M 50 x 2	60	PG 29	46
M 63 x 2	75	PG 36	60
		PG 42	65
		PG 48	70

Other colors on request.

Blind plugs and membrane nipples

LOFOTEN



LOFOTEN CGP

LOFOTEN MN

Technical Data

Blind plugs and membrane nipples

Material and colour	Blind plug: made of polyamide Membrane nipples: made of PE-LD color RAL 7035.
Gewindeart	Metric or PG

CGP / MN Thread type M	CGP / MN Thread type PG
M 12 x 1.5 mm	PG 7 (nur CGP)
M 16 x 1.5 mm	PG 9
M 20 x 1.5 mm	PG 11
M 25 x 1.5 mm	PG 13.5
M 32 x 1.5 mm	PG 16
M 40 x 1.5 mm	PG 21
M 50 x 1.5 mm	PG 29
M 63 x 1.5 mm	PG 36
	PG 42
	PG 48



CEDROS ASS

Technical Data

Thick-walled weld-on socket for wall or deck duct.

Material	Galvanized steel (type ASSA: aluminum); Screw socket: brass
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Thread type	Metric
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Thread in mm	Typ	Lenght in mm
M 24 x 1.5	ASS	50 / 200 / 265 / 495 / 745 / 990 / 1250
M 30 x 1.5	ASS	200 / 700
M 24 x 1.5	ASSA	50 / 200
M 30 x 2	ASSA	60 / 200

Other sizes on request

Reduction PG/M

ERIESEE



ERIESEE

Technical Data

Reduction (hexagonal) with large metric outer thread, small PG inner thread and oil-resistant O-ring.

Material Brass, nickel plated

Thread type Metric to PG

Thread outer Thread inner

M 16 PG 7

M 20 PG 9

M 25 PG 9 / 11 / 13.5

M 32 PG 13.5 / 16 / 21

M 40 PG 16 / 21 / 29

M 50 PG 21 / 29 / 36

M 63 PG 29 / 36 / 42



ERIESEE

Technical Data

Reduction (knurled) with large outer PG thread and small inner PG thread.

Material Brass, nickel plated

Thread type PG to PG

Thread outer	Thread inner
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PG 9	PG 7
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PG 11	PG 7 / 9
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PG 13.5	PG 7 / 9 / 11
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PG 16	PG 7 / 9 / 11 / 13.5
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PG 21	PG 11 / 13.5 / 16
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PG 29	PG 16 / 21
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PG 36	PG 21 / 29
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PG 42	PG 29 / 36
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PG 48	PG 36 / 42
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Extension M/PG

HURONSEE



HURONSEE

Technical Data

Extension (round) with small metric outer thread and large PG inner thread acc. to DIN 46320.

Material	Brass, nickel plated
Thread type	Metric to PG
Thread outer	Thread inner
M 12	PG 9
M 16	PG 11
M 20	PG 16
M 25	PG 21
M 32	PG 29
M 40	PG 36
M 50	PG 42 / 48



HURONSEE

Technical Data

Extension (round) with small outer PG thread and large inner PG thread, according to DIN 46320.

Material	Brass, nickel plated
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Thread type	PG to PG
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Thread outer	Thread inner
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PG 7	PG 9
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PG 9	PG 11 / 13.5
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PG 11	PG 13.5 / 16 / 21
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PG 16	PG 13.5 / 21 / 29
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PG 21	PG 13.5 / 29
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PG 29	PG 36
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PG 36	PG 42
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PG 42	PG 48
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Brass plugs

HU



Technical Data

For closing cable entries that are not required. Screw plug with metric thread acc. to DIN 89284 or PG thread.

Material	Brass
Thread type	Metric or PG
Thread M	Thread PG
M 16 x 1.5	PG 7
M 18 x 1.5	PG 9
M 24 x 1.5	PG 11
M 30 x 2	PG 13.5
M 36 x 2	PG 16
M 45 x 2	PG 21
M 56 x 2	PG 29
M 72 x 2	PG 36
	PG 42
	PG 48

For extra charge also available with chrome plated galvanic surface.



GOTLAND

Technical Data

A brass twin-cable gland for inserting 2 cables into one gland. Outer and inner thread in M24x1.5 (or outer thread PG16).

Available complete with screw socket, washers, sealing rings and grounding inserts in equipment types "Z" and "W" (specify when ordering).

Material	Brass
Thread type	Metric or PG to Metric
Version	Thread type outer
203	M24x1.5 mm
203/PG	PG 16