

# Cable glands metal

## Accessories for cable glands



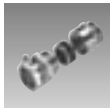
### Standard cable gland

Material: brass, nickel-plated  
 Temperature: -20 °C to +60 °C or +80 °C  
 Gasket: soft rubber + Neoprene and 2 iron thrust collars  
 Protection: IP 55, with O ring IP 65  
 Standard: DIN 46320/C4  
 Information: with base for screws on intermediate connection piece



### Hexagonal lock-nut

Material: brass, nickel-plated  
 Standard: 46320



### Cable gland with strain-relief

Material: brass, nickel-plated  
 Temperature: -30 °C to +90 °C  
 Dichtung: Neoprene gasket and 2 galvanised iron thrust collars  
 Protection: IP 54, with O ring IP 65  
 Information: with centrally operating strain-relief



### "Perfect" cable gland

Material: brass, nickel-plated  
 Temperature: -40 °C to +120 °C, for short periods +150 °C  
 Gasket: Neoprene  
 Protection: IP 68/5 bar  
 Information: excellent strain-relief, fully insulated, large terminal space, O ring on connection thread



### O ring

Material: Perburnan, oil-resistant



### "Perfect" cable gland with metric thread

Material: brass, nickel-plated  
 Temperature: -40 °C to +120 °C, for short periods +150 °C  
 Gasket: Neoprene  
 Protection: IP 68/5 bar  
 Information: excellent strain-relief, fully insulated, large terminal space, O ring on connection thread



### Lock-nut with metric thread

Material: brass, nickel-plated  
 Standard: 46319



### Filler plug

Brass, galvanised, nickel-plated, with metric thread  
 excellent seal with assembled O ring  
 Standard: 46320

Thread size	Cable Ø mm			Part number Screw fitting		Part number Lock nut
Pg 7	5... 7	14	13	<b>943.1.0070.00</b>	15	<b>943.1.0330.00</b>
Pg 9	6... 8	17	15	<b>943.1.0080.00</b>	18	<b>943.1.0340.00</b>
Pg 11	8...10	20	18	<b>943.1.0090.00</b>	21	<b>943.1.0350.00</b>
Pg 13.5	10...12	22	20	<b>943.1.0100.00</b>	23	<b>943.1.0360.00</b>
Pg 16	12...14	24	22	<b>943.1.0110.00</b>	26	<b>943.1.0370.00</b>
Pg 21	15...17	30	28	<b>943.1.0120.00</b>	32	<b>943.1.0380.00</b>
Pg 29	24...26	40	37	<b>943.1.0130.00</b>	41	<b>943.1.0390.00</b>
Pg 36	31...33	50	47	<b>943.1.0730.00</b>		
Pg 42	39...41	57	54	<b>943.1.0740.00</b>		
Pg 48	45...47	64	60	<b>943.1.0750.00</b>		

Thread size	Cable Ø mm			Part number Screw fitting	
Pg 9	4... 9.5	19	17	<b>943.1.0210.00</b>	
Pg 11	6...11.5	22	20	<b>943.1.0220.00</b>	
Pg 13.5	6...13.5	24	22	<b>943.1.0230.00</b>	
Pg 16	6...15.5	27	24	<b>943.1.0240.00</b>	
Pg 21	9...21.5	34	30	<b>943.1.0250.00</b>	
Pg 29	17...29.5	42	40	<b>943.1.0260.00</b>	
Pg 36	23...36.5	52	50	<b>943.1.0510.00</b>	
Pg 42	29...42.5	62	57	<b>943.1.0550.00</b>	

Thread size	Cable Ø mm		Part number Screw fitting	Outer Ø Inner Ø mm	Part number O ring
Pg 7	3... 6.5	14	<b>943.1.1650.00</b>	13/10	<b>943.0.0380.00</b>
Pg 9	4... 8	17	<b>943.1.1660.00</b>	17/13	<b>943.0.0380.00</b>
Pg 11	5...10	20	<b>943.1.1670.00</b>	20/16	<b>943.0.0340.00</b>
Pg 13.5	6...12	22	<b>943.1.1680.00</b>	22/18	<b>943.0.0370.00</b>
Pg 16	10...14	24	<b>943.1.1690.00</b>	24/20	<b>943.0.0220.00</b>
Pg 21	13...18	30	<b>943.1.1700.00</b>	28/24	<b>943.0.0250.00</b>
Pg 29	18...25	40	<b>943.1.1710.00</b>	37/33	<b>943.0.0390.00</b>
Pg 36	22...32	50	<b>943.1.1720.00</b>	47/42	<b>943.0.0290.00</b>
Pg 42	30...38	57	<b>943.1.1730.00</b>	53/48	<b>943.0.0400.00</b>
Pg 46	34...44	64	<b>943.1.1740.00</b>	60/54	<b>943.0.0410.00</b>

Thread size	Cable Ø mm		Part number Screw fitting	Thread length	Head Ø mm	Part number Lock nut
M 12 x 1.5	3... 6	14	<b>943.1.2800.00</b>	3.0	13.0	<b>943.1.2880.00</b>
M 16 x 1.5	5...10	17	<b>943.1.2810.00</b>	6.0	20.0	<b>943.1.2890.00</b>
M 20 x 1.5	8...13	22	<b>943.1.2820.00</b>	6.5	22.0	<b>943.1.2900.00</b>
M 25 x 1.5	1...17	27	<b>943.1.2830.00</b>	7.0	28.0	<b>943.1.2910.00</b>
M 32 x 1.5	15...21	34	<b>943.1.2840.00</b>	8.0	35.0	<b>943.1.2920.00</b>
M 40 x 1.5	19...28	43	<b>943.1.2850.00</b>	8.0	45.0	<b>943.1.2930.00</b>
M 50 x 1.5	26...35	55	<b>943.1.2860.00</b>	9.0	55.0	<b>943.1.2940.00</b>
M 63 x 1.5	32...42	65	<b>943.1.2870.00</b>	10.0	68.0	<b>943.1.2950.00</b>

Thread size		Part number
M 12 x 1.5	15	<b>943.1.2960.00</b>
M 16 x 1.5	19	<b>943.1.2970.00</b>
M 20 x 1.5	24	<b>943.1.2980.00</b>
M 25 x 1.5	30	<b>943.1.2990.00</b>
M 32 x 1.5	36	<b>943.1.3000.00</b>
M 40 x 1.5	46	<b>943.1.3010.00</b>
M 50 x 1.5	60	<b>943.1.3020.00</b>
M 63 x 1.5	70	<b>943.0.3030.00</b>

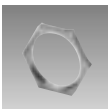
Width across corners (mm)

Head width (mm)

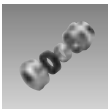


#### Cable glands for HF/EMC shielding

Material: brass, nickel-plated  
 Gasket: Neoprene  
 Temperature: -20 °C to +130 °C  
 Protection: IP 68  
 Information: with connection thread gasket ring, IP 68/20 bar



**Hexagon nut**  
 for earthing, nickel-plated brass, with cutting edges for optimum contact through protective or powder coatings.




#### Cable gland for HF/EMC with metric thread


Material: brass, nickel-plated  
 Gasket: Neoprene  
 Temperature: -20 °C to +130 °C  
 Protection: IP 68  
 with connection thread gasket ring, IP 68/20 bar




#### Filler plug

Material: galvanised brass, nickel-plated with assembled Perburnan O ring, excellent sealing  
 Standard: DIN 46 320



Thread size	Cable Ø mm		Part number
Pg 7	4 ... 8	18	<b>943.1.3040.00</b>
Pg 9	6 ...11	22	<b>943.1.3050.00</b>
Pg 11	6 ...11	22	<b>943.1.3060.00</b>
Pg 13.5	7.5...13	24	<b>943.1.3080.00</b>
Pg 16	12.5...18	30	<b>943.1.3090.00</b>
Pg 21	12.5...18	30	<b>943.1.3100.00</b>
Pg 21	17.5...23.5	41	<b>943.1.3110.00</b>
Pg 29	17.5...25	41	<b>943.1.3120.00</b>
Pg 29	24.5...31.5	52	<b>943.1.3130.00</b>
Pg 36	24.5...33.5	52	<b>943.1.3140.00</b>
Pg 36	33 ...40.5	63	<b>943.1.3150.00</b>
Pg 42	33 ...43	63	<b>943.1.3160.00</b>

Thread size		Thickness		Part number
		L 1	L 2	
Pg 7	15.0	4.7	3.7	<b>943.1.3500.00</b>
Pg 9	18.0	4.7	3.7	<b>943.1.3510.00</b>
Pg 11	21.0	4.7	3.7	<b>943.1.3520.00</b>
Pg 13.5	23.0	4.7	3.7	<b>943.1.3530.00</b>
Pg 16	26.0	4.7	3.7	<b>943.1.3540.00</b>
Pg 21	32.0	5.2	4.2	<b>943.1.3550.00</b>
Pg 29	41.0	5.7	4.7	<b>943.1.3560.00</b>
Pg 36	51.0	6.0	5.0	<b>943.1.3570.00</b>
Pg 42	60.0	6.0	5.0	<b>943.1.3580.00</b>
Pg 48	64.0	6.5	5.5	<b>943.1.3590.00</b>

Thread size	Head Ø mm		Part number
M 12 x 1.5	4 ... 8	18	<b>943.1.3170.00</b>
M 16 x 1.5	6 ...11	22	<b>943.1.3180.00</b>
M 20 x 1.5	7.5...13	24	<b>943.1.3190.00</b>
M 25 x 1.5	12.5...18	30	<b>943.1.3200.00</b>
M 32 x 1.5	17.5...25	42	<b>943.1.3210.00</b>
M 40 x 1.5	24.5...33.5	52	<b>943.1.3220.00</b>
M 50 x 1.5	33 ...43	63	<b>943.1.3230.00</b>
M 63 x 1.5	42.5...55	77	<b>943.1.3240.00</b>

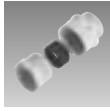
Thread size	Head Ø mm	Thread length	Part number
Pg 7	14	4.5	<b>943.1.0400.00</b>
Pg 9	17	4.5	<b>943.1.0410.00</b>
Pg 11	20	4.5	<b>943.1.0420.00</b>
Pg 13.5	22	6.0	<b>943.1.0430.00</b>
Pg 16	24	6.0	<b>943.1.0440.00</b>
Pg 21	30	6.0	<b>943.1.0450.00</b>
Pg 29	39	8.0	<b>943.1.0460.00</b>
Pg 36	50	9.0	<b>943.1.0930.00</b>
Pg 42	57	10.0	<b>943.1.0770.00</b>
Pg 48	64	10.0	<b>943.1.0810.00</b>

Note!  
 On 1. 1. 2000 EN 50 262 came into force prescribing metric threaded cable glands as standard.

 Width across corners (mm)  
 Head width (mm)

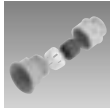
# Cable glands plastic

## Accessories for cable glands



### Compression gland with nut collar

Material: Polyamide, glass-fibre reinforced  
 Gasket: acrylonitrile rubber  
 Temperature: -20 °C to +80 °C  
 Protection: IP 65 with connection thread, gasket ring (see below)  
 Standard: DIN46320  
 Colour: RAL 7035  
 RAL 9005 on request



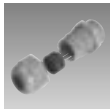
### Compression gland with nut collar, bending protection and strain-relief

Material: Polyamide, glass-fibre reinforced  
 Gasket: soft rubber  
 Temperature: -20 °C to +80 °C  
 Protection: IP 65 with connection thread, gasket ring (see below)  
 Accessory: terminal compartment of hostaform C  
 Colour: RAL 7035  
 RAL 9005 on request



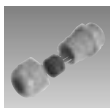
### Euro 2000 cable gland

Material: Polyamide  
 Gasket: Neoprene  
 Temperature: -40 °C to +120 °C  
 Protection: IP 66; IP 68 with connection thread, gasket ring  
 Information: VDE-tested, halogen-free certification test according to VDE 0619  
 Colour: RAL 7035, RAL 9005 on request



### "Perfect" cable gland

Material: Polyamide  
 Gasket: Neoprene  
 Temperature: -40 °C to +100 °C (up to +120 °C for short periods)  
 Protection: IP 68/5 bar in specified terminal space  
 Information: halogen-free, use of multiple gaskets possible (UL testing on request)  
 Colour: RAL 7001



### "Perfect" cable gland with metric thread

Material: Polyamide  
 Gasket: Neoprene  
 Temperature: -40 °C to +100 °C (up to +120 °C for short periods)  
 Protection: IP 68/5 bar in specified terminal space  
 Information: halogen-free, use of multiple gaskets possible  
 Colour: RAL 7001






### Euro 2000 cable gland with metric thread on request





### Connection thread, gasket ring

Material: Polyethylene  
 Temperature: -50 °C to +170 °C  
 Colour: transparent

Thread size	Cable Ø mm			Part number for RAL 7035
Pg 7	5... 7	15	13	943.2.0330.00
Pg 9	6... 8	19	16	943.2.0340.00
Pg 11	8...10	22	19	943.2.0350.00
Pg 13.5	10...12	24	21	943.2.0360.00
Pg 16	12...14	27	23	943.2.0370.00
Pg 21	15...17	32	30	943.2.0380.00
Pg 29	24...26	42	40	943.2.0390.00
Pg 36	31...33	53	50	943.2.0400.00
Pg 42	39...41	60	55	943.2.0500.00
Pg 48	45...47	65	60	943.2.1010.00


Thread size	Cable Ø mm		Part number for RAL 7035
Pg 7	4... 6	15	943.2.0080.00
Pg 9	6... 8	19	943.2.0090.00
Pg 11	8...10	22	943.2.0100.00
Pg 13.5	10...12	24	943.2.0110.00
Pg 16	12...14	27	943.2.0120.00
Pg 21	14...18	32	943.2.0130.00
Pg 29	18...24	42	943.2.0140.00

Thread size	Cable Ø mm		Part number Euro 2000 for RAL 7035	Cable Ø mm	Part number Perfect for RAL 7001
Pg 7	3 ... 6.5	15	943.2.4450.00	3... 6.5	943.2.2910.00
Pg 9	5.5 ... 8	19	943.2.4460.00	4... 8	943.2.2920.00
Pg 11	6 ...10	22	943.2.4470.00	5...10	943.2.2930.00
Pg 13.5	7 ...12	24	943.2.4480.00	6...12	943.2.2940.00
Pg 16	9 ...14	27	943.2.4490.00	10...14	943.2.2950.00
Pg 21	13 ...18	33	943.2.4500.00	13...18	943.2.2960.00
Pg 29	18 ...25	42	943.2.4510.00	18...25	943.2.2970.00
Pg 36		53		22...32	943.2.2980.00
Pg 42		60		30...38	943.2.2990.00
Pg 48		65		34...44	943.2.3000.00

Thread size	Cable Ø mm		Part number for RAL 7001
M 12 x 1.5	4... 7	15	943.2.4620.00
M 16 x 1.5	5...10	20	943.2.4630.00
M 20 x 1.5	8...13	24	943.2.4640.00
M 25 x 1.5	11...17	29	943.2.4650.00
M 32 x 1.5	15...21	36	943.2.4660.00
M 40 x 1.5	19...28	46	943.2.4670.00
M 50 x 1.5	27...35	55	943.2.4680.00
M 63 x 1.5	35...48	68	943.2.4690.00

Thread size	Part number Gasket ring
Pg 7	943.0.002
Pg 9	943.0.003
Pg 11	943.0.004
Pg 13.5	943.0.005
Pg 16	943.0.006
Pg 21	943.0.007
Pg 29	943.0.008
Pg 36	943.0.009
Pg 42	943.0.010
Pg 48	943.0.011

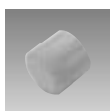
 Width across corners (mm)

 Head width (mm)



#### Filler plug

Material: Polyamide, glass-fibre reinforced  
 Temperature: -40 °C to +100 °C  
 Standard: DIN 46 320  
 DIN 40 430  
 Colour: RAL 7035  
 Protection: IP 65 with connection thread, gasket ring



#### Blanking plug

brass and plastic for seal up to IP 68.  
 Used for Euro 2000 and Perfect cable glands  
 Colour: RAL 7035  
 Material: Polyamide



#### Filler plug with metric thread (on request)

Material: Polyamide, glass-fibre reinforced  
 Temperature: -40 °C to +100 °C  
 Standard: DIN 46 320  
 DIN 40 430



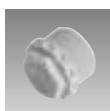
#### Lock-nut

Material: Polyamide, glass-fibre reinforced  
 Temperature: -40 °C to +100 °C  
 Standard: DIN 46 320



#### Lock-nut with metric thread

Material: brass  
 Temperature: -40 °C to +100 °C  
 Standard: DIN 46 320



#### Sealing plug with piercing diaphragm

Material: Polyethylene  
 Temperature: -20 °C to +70 °C  
 Colour: RAL 7035

Thread size	Head Ø mm	Part number*) Filler plug	Part number*) Blanking plug
Pg 7	15	943.2.1140.00	943.2.4720.00
Pg 9	19	943.2.1150.00	943.2.4730.00
Pg 11	22	943.2.1160.00	943.2.4740.00
Pg 13.5	25	943.2.1170.00	943.2.4750.00
Pg 16	27	943.2.1180.00	943.2.4760.00
Pg 21	33	943.2.1190.00	943.2.4770.00
Pg 29	44	943.2.1200.00	943.2.4780.00
Pg 36	55	943.2.1080.00	943.2.4790.00
Pg 42	62	943.2.1360.00	943.2.4800.00
Pg 48	69	943.2.1370.00	943.2.4810.00

Thread size	Head Ø mm	Part number
M 12 x 1.5		
M 16 x 1.5		
M 20 x 1.5		
M 25 x 1.5		
M 32 x 1.5		
M 40 x 1.5		

Thread size	Head Ø mm	Part number*)
Pg 7	19	943.2.3100.00
Pg 9	22	943.2.3110.00
Pg 11	24	943.2.3120.00
Pg 13.5	27	943.2.1960.00
Pg 16	30	943.2.1970.00
Pg 21	36	943.2.1980.00
Pg 29	46	943.2.1990.00
Pg 36	60	943.2.2000.00
Pg 42	65	943.2.2010.00
Pg 48	70	943.2.2020.00

Thread size	Head width mm	Part number
M 12 x 1.5	15	943.1.2880.00
M 16 x 1.5	19	943.1.2890.00
M 20 x 1.5	24	943.1.2900.00
M 25 x 1.5	30	943.1.2910.00
M 32 x 1.5	36	943.1.2920.00
M 40 x 1.5	46	943.1.2930.00
M 50 x 1.5	60	943.1.2940.00
M 63 x 1.5	70	943.1.2950.00

Thread size	Part number*)
Pg 9	943.2.0290.00
Pg 11	943.2.0300.00
Pg 13.5	943.2.0310.00
Pg 16	943.2.0320.00
Pg 21	943.2.0410.00
Pg 29**)	943.2.0420.00

closed type \* = for RAL 7035 \*\* = open type

#### Note!

On 1. 1. 2000 EN 50 262 came into force prescribing metric threaded cable glands as standard.

Width across corners (mm)  
 Head width (mm)

