

# HT, HSK, SD, ZES

## Технические характеристики

### По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

**HT-E cable gland**

stainless steel

**HELUTOP® HT-E**

The stainless steel cable gland for heavy load.

**Application**

- Plant and machine construction
- Robot construction
- Automation technology
- Vehicle construction and shipbuilding
- Rail technology
- Installation technology
- Control cabinet construction

**Material**

Stainless steel 1.4305 / AISI 303  
Clamp: Polyamide PA 6  
Seal: Chloroprene-rubber (CR)  
O-ring: NBR

**Properties**

- Optimum strain relief through clamping plates
- Highly corrosion-resistant
- Highly durable
- Easy to assemble
- Large clamping areas

**Note**

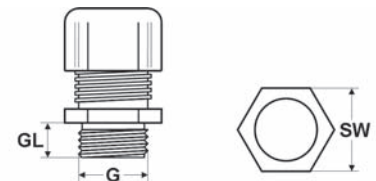
Details on the individual tests appear in section "Technical Information".

**Technical data**

Protection class: IP 68 - 5 bar

Temperature range: -40°C up to +100°C

Test standard: EN50262

**Dimensions**

G Thread size  
GL Thread length  
SW Spanner size

**metric thread**

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	
99980	M12 x 1,5	3,0 - 6,5	6,0	14	50	-
99981	M16 x 1,5	5,0 - 10,0	7,0	22	50	-
99982	M20 x 1,5	6,0 - 12,0	8,0	22	50	-
99983	M25 x 1,5	11,0 - 17,0	8,0	27	25	-
99984	M32 x 1,5	15,0 - 21,0	8,0	36	25	-
99985	M40 x 1,5	19,0 - 28,0	9,0	46	20	-
99986	M50 x 1,5	30,0 - 38,0	9,0	60	12	-
99987	M63 x 1,5	34,0 - 44,0	14,0	65 / 68	12	-

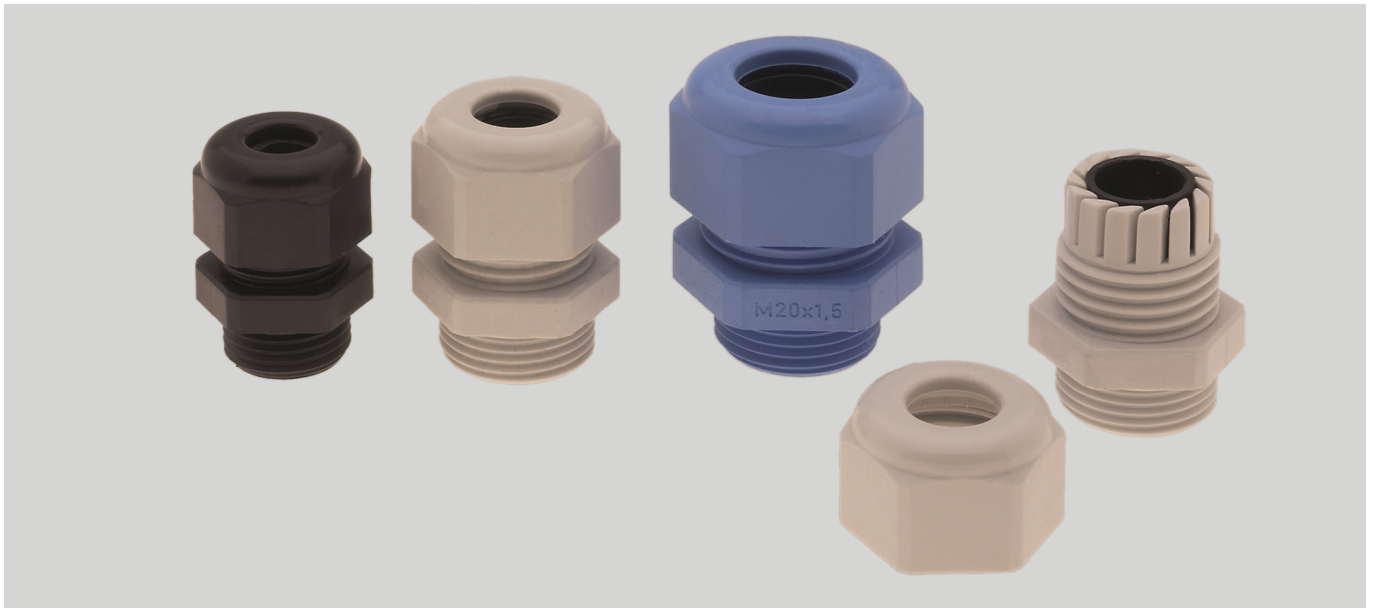
**PG thread**

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	
99970	7	3,0 - 6,5	6,0	14	50	-
99971	9	4,0 - 8,0	6,0	17	50	-
99972	11	5,0 - 10,0	6,0	22	50	-
99973	13,5	6,0 - 12,0	6,5	22	50	-
99974	16	10,0 - 14,0	6,5	24	25	-
99975	21	13,0 - 18,0	7,2	30	25	-
99976	29	18,0 - 25,0	8,0	41	20	-
99977	36	22,0 - 32,0	9,0	50	15	-
99978	42	30,0 - 38,0	12,0	60	12	-
99979	48	34,0 - 44,0	14,0	65	12	-

**NPT thread**

Part no.	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	
99800	3/8"	5,0 - 10,0	11,5	20	50	-
99801	1/2"	6,0 - 12,0	13,0	22	50	-
99802	3/4"	13,0 - 18,0	13,0	30	25	-
99803	1"	18,0 - 25,0	13,0	40 / 43	10	-

Dimensions and specifications may be changed without prior notice.



## HSK

This cable gland meets the highest standards in technology.

## Application

- Plant and machine construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Installation technology
- Control cabinet construction

## Material

Polyamide  
Seal: NBR

- halogen-free
- phosphor-free
- silicone-free
- cadmium-free

## Properties

- Easy to assemble
- Completely water-tight
- Optimum strain relief
- Large Clamping areas

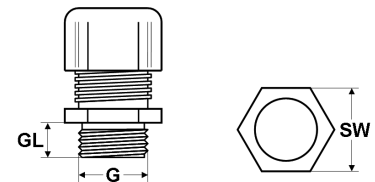
## Note

For the intrinsically safe area, type "i" cable glands in blue, RAL 5012, are used.

## Technical data

Protection class: IP 68 - 10 bar / IP 69K (within the specific clamping range with additional o-ring)

Temperature range: -40°C up to +100°C



## Dimensions

G Thread size  
GL Thread length  
SW Spanner size

## Metric thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
97558	97550	M12 x 1,5	3,0 - 6,5	8,0	15	50	o. r.	o. r.	o. r.
96967	97551	M16 x 1,5	4,0 - 8,0	8,0	19	50	o. r.	o. r.	o. r.
97956	97960	M16 x 1,5	5,0 - 10,0	8,0	22	50	o. r.	o. r.	o. r.
96968	97552	M20 x 1,5	6,0 - 12,0	9,0	24	50	o. r.	o. r.	o. r.
97957	97961	M20 x 1,5	10,0 - 14,0	9,0	27	50	o. r.	o. r.	o. r.
96969	97553	M25 x 1,5	13,0 - 18,0	11,0	33	50	o. r.	o. r.	o. r.
96970	97554	M32 x 1,5	18,0 - 25,0	11,0	42	25	o. r.	o. r.	o. r.
96971	97555	M40 x 1,5	22,0 - 32,0	13,0	53	10	o. r.	o. r.	o. r.
96972	97556	M50 x 1,5	32,0 - 38,0	13,0	60	5	o. r.	o. r.	o. r.
96973	97557	M63 x 1,5	37,0 - 44,0	14,0	65 / 68	5	o. r.	o. r.	o. r.

## Metric thread - for intrinsically safe application

Part no. blue RAL 5012	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
97967	M12 x 1,5	3,0 - 6,5	8,0	15	50	o. r.	o. r.	o. r.
97968	M16 x 1,5	4,0 - 8,0	8,0	19	50	o. r.	o. r.	o. r.
97969	M16 x 1,5	5,0 - 10,0	8,0	22	50	o. r.	o. r.	o. r.
97970	M20 x 1,5	6,0 - 12,0	9,0	24	50	o. r.	o. r.	o. r.
97971	M20 x 1,5	10,0 - 14,0	9,0	27	50	o. r.	o. r.	o. r.
97972	M25 x 1,5	13,0 - 18,0	11,0	33	50	o. r.	o. r.	o. r.
97973	M32 x 1,5	18,0 - 25,0	11,0	42	25	o. r.	o. r.	o. r.
97974	M40 x 1,5	22,0 - 32,0	13,0	53	10	o. r.	o. r.	o. r.
97975	M50 x 1,5	32,0 - 38,0	13,0	60	5	o. r.	o. r.	o. r.
97976	M63 x 1,5	37,0 - 44,0	14,0	65 / 68	5	o. r.	o. r.	o. r.

Continuation ►

## Metric thread - with reducing seal

Part no. light grey RAL 7035	Part no. black RAL 9005	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
97873	98205	M12 x 1,5	2,0 - 5,0	8,0	15	50	o. r.	o. r.	o. r.
96974	97977	M16 x 1,5	2,0 - 6,0	8,0	19	50	o. r.	o. r.	o. r.
96975	97979	M20 x 1,5	5,0 - 9,0	9,0	24	50	o. r.	o. r.	o. r.
96976	97981	M25 x 1,5	9,0 - 16,0	11,0	33	50	o. r.	o. r.	o. r.
96977	97982	M32 x 1,5	13,0 - 20,0	11,0	42	25	o. r.	o. r.	o. r.
96978	97983	M40 x 1,5	20,0 - 26,0	13,0	53	10	o. r.	o. r.	o. r.
96979	97984	M50 x 1,5	25,0 - 31,0	13,0	60	5	o. r.	o. r.	o. r.
96980	97985	M63 x 1,5	29,0 - 35,0	14,0	65 / 68	5	o. r.	o. r.	o. r.

## Metric thread - with reducing seal - for intrinsically safe application

Part no. blue RAL 5012	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
91826	M12 x 1,5	2,0 - 5,0	8,0	15	50	o. r.	o. r.	o. r.
91827	M16 x 1,5	2,0 - 6,0	8,0	19	50	o. r.	o. r.	o. r.
91828	M20 x 1,5	5,0 - 9,0	9,0	24	50	o. r.	o. r.	o. r.
91829	M25 x 1,5	9,0 - 16,0	11,0	33	50	o. r.	o. r.	o. r.
91830	M32 x 1,5	13,0 - 20,0	11,0	42	25	o. r.	o. r.	o. r.
91831	M40 x 1,5	20,0 - 26,0	13,0	53	10	o. r.	o. r.	o. r.
91832	M50 x 1,5	25,0 - 31,0	13,0	60	5	o. r.	o. r.	o. r.
91833	M63 x 1,5	29,0 - 35,0	14,0	65 / 68	5	o. r.	o. r.	o. r.

## PG thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
90000	90020	7	3,0 - 6,5	8,0	15	50	o. r.	o. r.	o. r.
90001	90021	9	4,0 - 8,0	8,0	19	50	o. r.	o. r.	o. r.
90002	90022	11	5,0 - 10,0	8,0	22	50	o. r.	o. r.	o. r.
90003	90023	13,5	6,0 - 12,0	9,0	24	50	o. r.	o. r.	o. r.
90004	90024	16	10,0 - 14,0	10,0	27	50	o. r.	o. r.	o. r.
90005	90025	21	13,0 - 18,0	11,0	33	50	o. r.	o. r.	o. r.
90006	90026	29	18,0 - 25,0	11,0	42	25	o. r.	o. r.	o. r.
90007	90027	36	22,0 - 32,0	13,0	53	10	o. r.	o. r.	o. r.
90008	90028	42	32,0 - 38,0	13,0	60	5	o. r.	o. r.	o. r.
90009	90029	48	37,0 - 44,0	14,0	65	5	o. r.	o. r.	o. r.

## PG thread - for intrinsically safe application

Part no. blue RAL 5012	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
96106	7	3,0 - 6,5	8,0	15	50	o. r.	o. r.	o. r.
96107	9	4,0 - 8,0	8,0	19	50	o. r.	o. r.	o. r.
96108	11	5,0 - 10,0	8,0	22	50	o. r.	o. r.	o. r.
96456	13,5	6,0 - 12,0	9,0	24	50	o. r.	o. r.	o. r.
96455	16	10,0 - 14,0	10,0	27	50	o. r.	o. r.	o. r.
96912	21	13,0 - 18,0	11,0	33	50	o. r.	o. r.	o. r.
97802	29	18,0 - 25,0	11,0	42	25	o. r.	o. r.	o. r.
97803	36	22,0 - 32,0	13,0	53	10	o. r.	o. r.	o. r.
97965	42	32,0 - 38,0	13,0	60	5	o. r.	o. r.	o. r.
97966	48	37,0 - 44,0	14,0	65	5	o. r.	o. r.	o. r.

## PG thread - with reducing seal

Part no. light grey RAL 7035	Part no. black RAL 9005	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
90010	98290	7	2,0 - 5,0	8,0	15	50	o. r.	o. r.	o. r.
90011	96883	9	2,0 - 6,0	8,0	19	50	o. r.	o. r.	o. r.
90012	96104	11	3,0 - 7,0	8,0	22	50	o. r.	o. r.	o. r.
90013	96544	13,5	5,0 - 9,0	9,0	24	50	o. r.	o. r.	o. r.
90014	96105	16	7,0 - 12,0	10,0	27	50	o. r.	o. r.	o. r.
90015	97306	21	9,0 - 16,0	11,0	33	50	o. r.	o. r.	o. r.
90016	96403	29	13,0 - 20,0	11,0	42	25	o. r.	o. r.	o. r.
90017	98202	36	20,0 - 26,0	13,0	53	10	o. r.	o. r.	o. r.
90018	98203	42	25,0 - 31,0	13,0	60	5	o. r.	o. r.	o. r.
90019	98204	48	29,0 - 35,0	14,0	65	5	o. r.	o. r.	o. r.

## PG thread - with reducing seal - for intrinsically safe application

Part no. blue RAL 5012	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
91816	7	2,0 - 5,0	8,0	15	50	o. r.	o. r.	o. r.
91817	9	2,0 - 6,0	8,0	19	50	o. r.	o. r.	o. r.
91818	11	3,0 - 7,0	8,0	22	50	o. r.	o. r.	o. r.
91819	13,5	5,0 - 9,0	9,0	24	50	o. r.	o. r.	o. r.
91820	16	7,0 - 12,0	10,0	27	50	o. r.	o. r.	o. r.
91821	21	9,0 - 16,0	11,0	33	50	o. r.	o. r.	o. r.
91822	29	13,0 - 20,0	11,0	42	25	o. r.	o. r.	o. r.
91823	36	20,0 - 26,0	13,0	53	10	o. r.	o. r.	o. r.
91824	42	25,0 - 31,0	13,0	60	5	o. r.	o. r.	o. r.
91825	48	29,0 - 35,0	14,0	65	5	o. r.	o. r.	o. r.

Continuation ►

## NPT thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
91630	91637	3/8"	4,0 - 8,0	15,0	19 / 22	50	o. r.	o. r.	o. r.
91631	91638	1/2"	6,0 - 12,0	13,0	24	50	o. r.	o. r.	o. r.
91632	91639	1/2"	10,0 - 14,0	13,0	27	50	o. r.	o. r.	o. r.
91633	91640	3/4"	13,0 - 18,0	14,0	33	50	o. r.	o. r.	o. r.
91634	91641	1"	18,0 - 25,0	19,0	42	25	o. r.	o. r.	o. r.
91635	91642	1 1/4"	18,0 - 25,0	16,0	42 / 46	10	o. r.	o. r.	o. r.
91636	91643	1 1/2"	22,0 - 32,0	20,0	53	5	o. r.	o. r.	o. r.

## NPT thread - for intrinsically safe application

Part no. blue RAL 5012	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
91644	3/8"	4,0 - 8,0	15,0	19 / 22	50	o. r.	o. r.	o. r.
91645	1/2"	6,0 - 12,0	13,0	24	50	o. r.	o. r.	o. r.
91646	1/2"	10,0 - 14,0	13,0	27	50	o. r.	o. r.	o. r.
91647	3/4"	13,0 - 18,0	14,0	33	50	o. r.	o. r.	o. r.
91648	1"	18,0 - 25,0	19,0	42	25	o. r.	o. r.	o. r.
91649	1 1/4"	18,0 - 25,0	16,0	42 / 46	10	o. r.	o. r.	o. r.
91650	1 1/2"	22,0 - 32,0	20,0	53	5	o. r.	o. r.	o. r.

## NPT thread - with reducing seal

Part no. light grey RAL 7035	Part no. black RAL 9005	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
92610	92620	3/8"	2,0 - 6,0	15,0	19 / 22	50	o. r.	o. r.	o. r.
92611	92621	1/2"	5,0 - 9,0	13,0	24	50	o. r.	o. r.	o. r.
92612	92622	1/2"	7,0 - 12,0	13,0	27	50	o. r.	o. r.	o. r.
92613	92623	3/4"	9,0 - 16,0	14,0	33	50	o. r.	o. r.	o. r.
92614	92624	1"	13,0 - 20,0	19,0	42	25	o. r.	o. r.	o. r.
92615	92625	1 1/4"	13,0 - 20,0	16,0	42 / 46	10	o. r.	o. r.	o. r.
92616	92626	1 1/2"	20,0 - 26,0	20,0	53	5	o. r.	o. r.	o. r.

## NPT thread - with reducing seal - for intrinsically safe application

Part no. blue RAL 5012	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92630	3/8"	2,0 - 6,0	15,0	19 / 22	50	o. r.	o. r.	o. r.
92631	1/2"	5,0 - 9,0	13,0	24	50	o. r.	o. r.	o. r.
92632	1/2"	7,0 - 12,0	13,0	27	50	o. r.	o. r.	o. r.
92633	3/4"	9,0 - 16,0	14,0	33	50	o. r.	o. r.	o. r.
92634	1"	13,0 - 20,0	19,0	42	25	o. r.	o. r.	o. r.
92635	1 1/4"	13,0 - 20,0	16,0	42 / 46	10	o. r.	o. r.	o. r.
92636	1 1/2"	20,0 - 26,0	20,0	53	5	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request



### HSK-B

With anti-kink spirals

### Application

- Plant and machine construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Installation technology
- Control cabinet construction

### Material

Polyamide  
Seal: NBR

- halogen-free
- phosphor-free
- silicone-free
- cadmium-free

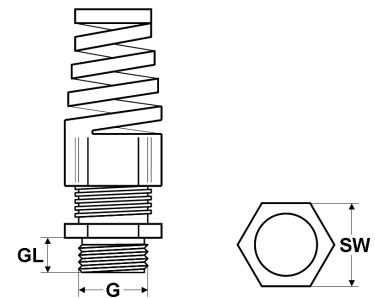
### Properties

- Easy to assemble
- Completely water-tight
- Optimum strain relief
- Large clamping ranges

### Technical data

Protection class: IP 68 - 10 bar / IP 69K (within the specific clamping range with additional o-ring)

Temperature range: -40°C up to +100°C



### Dimensions

G Thread size  
GL Thread length  
SW Spanner size

### Metric thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
98005	98011	M12 x 1,5	3,0 - 6,5	8,0	15	50	o. r.	o. r.	o. r.
98006	98012	M16 x 1,5	4,0 - 8,0	8,0	19	50	o. r.	o. r.	o. r.
98008	98014	M20 x 1,5	6,0 - 12,0	9,0	24	50	o. r.	o. r.	o. r.
98009	98015	M20 x 1,5	10,0 - 14,0	9,0	27	25	o. r.	o. r.	o. r.
98010	98016	M25 x 1,5	13,0 - 18,0	11,0	33	20	o. r.	o. r.	o. r.

### PG thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
90320	90326	7	3,0 - 6,5	8,0	15	50	o. r.	o. r.	o. r.
90321	90327	9	4,0 - 8,0	8,0	19	50	o. r.	o. r.	o. r.
90322	90328	11	5,0 - 10,0	8,0	22	50	o. r.	o. r.	o. r.
90323	90329	13,5	6,0 - 12,0	9,0	24	50	o. r.	o. r.	o. r.
90324	90330	16	10,0 - 14,0	10,0	27	25	o. r.	o. r.	o. r.
90325	90331	21	13,0 - 18,0	11,0	33	20	o. r.	o. r.	o. r.

### NPT thread

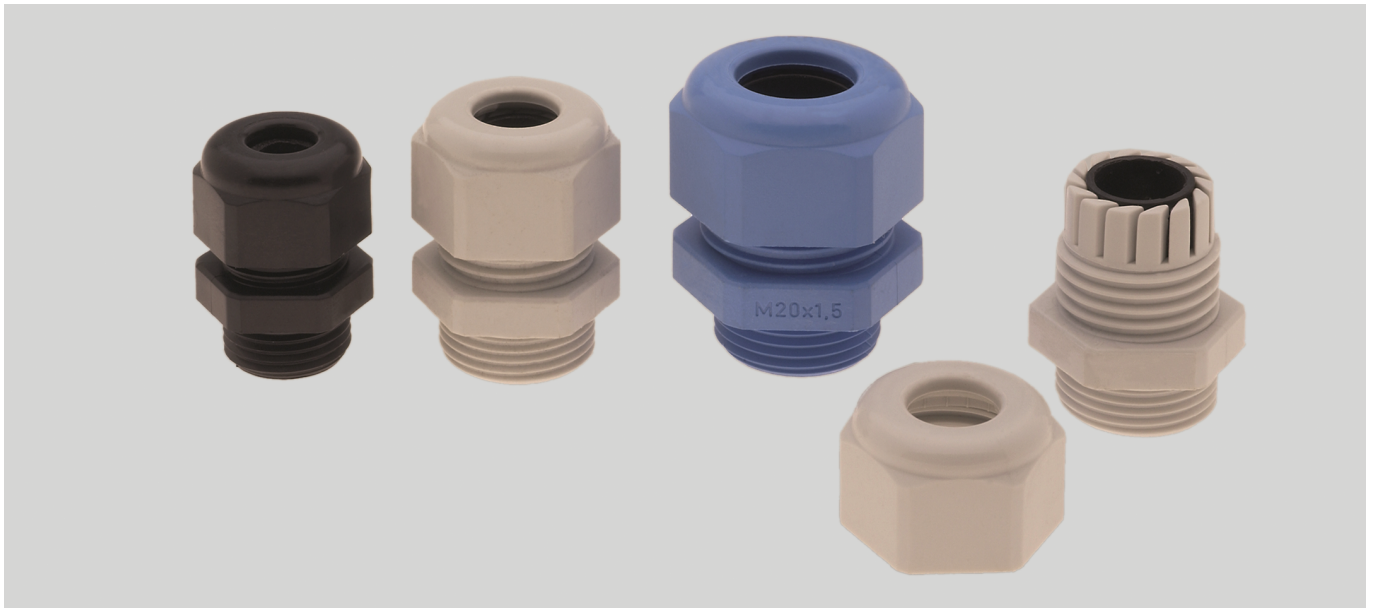
Part no. light grey RAL 7035	Part no. black RAL 9005	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
92300	92305	3/8"	4,0 - 8,0	15,0	22 / 19	50	o. r.	o. r.	o. r.
92301	92306	1/2"	6,0 - 12,0	13,0	24	50	o. r.	o. r.	o. r.
92302	92307	1/2"	10,0 - 14,0	13,0	27	25	o. r.	o. r.	o. r.
92303	92308	3/4"	13,0 - 18,0	14,0	33	20	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# HSK-EX cable gland

explosive area



## HSK-EX

For use in explosive areas

### Application

- Plant and machine construction
- Robot construction
- Automation technology
- Vehicle construction and shipbuilding
- Rail technology
- Installation technology
- Control cabinet construction

### Material

PA 6, VO acc. to UL 94  
Seal: NBR  
O-ring: NBR

- halogen-free
- phosphor-free
- silicone-free
- cadmium-free

### Properties

- Easy to assemble
- Completely water-tight
- Optimum strain relief
- Large clamping areas

### Note

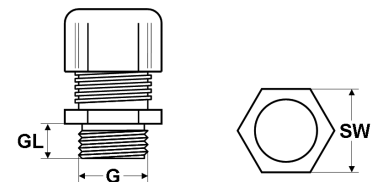
Certificate of Conformity:  
EExII DMT 02 ATEX E 047 X

### Technical data

Protection class: IP 68 - 10 bar / IP 69K

Temperature range: -20°C up to +95°C

Test standard: EN 60079-0:2006



### Dimensions

G Thread size  
GL Thread length  
SW Spanner size

### metric thread

Part no. light grey RAL 7035	Artikel-Nr. black RAL 9005	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
97995	97986	M12 x 1,5	3,0 - 6,5	8,0	15	50	o. r.	o. r.	o. r.
97996	97987	M16 x 1,5	4,0 - 8,0	8,0	19	50	o. r.	o. r.	o. r.
97997	97988	M16 x 1,5	5,0 - 10,0	8,0	22	50	o. r.	o. r.	o. r.
97998	97156	M20 x 1,5	6,5 - 12,0	9,0	24	50	o. r.	o. r.	o. r.
97999	97989	M20 x 1,5	10,0 - 14,0	9,0	27	50	o. r.	o. r.	o. r.
98000	97990	M25 x 1,5	13,0 - 18,0	11,0	33	50	o. r.	o. r.	o. r.
98001	97991	M32 x 1,5	18,0 - 25,0	11,0	42	25	o. r.	o. r.	o. r.
98002	97992	M40 x 1,5	22,0 - 32,0	13,0	53	10	o. r.	o. r.	o. r.
98003	97993	M50 x 1,5	32,0 - 38,0	13,0	60	5	o. r.	o. r.	o. r.
98004	97994	M63 x 1,5	37,0 - 44,0	14,0	65 / 68	5	o. r.	o. r.	o. r.

### metric thread - for intrinsically safe application

Part no. blue RAL 5012	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
97962	M12 x 1,5	3,0 - 6,5	8,0	15	50	o. r.	o. r.	o. r.
97559	M16 x 1,5	4,0 - 8,0	8,0	19	50	o. r.	o. r.	o. r.
97963	M16 x 1,5	5,0 - 10,0	8,0	22	50	o. r.	o. r.	o. r.
96805	M20 x 1,5	6,5 - 12,0	9,0	24	50	o. r.	o. r.	o. r.
97964	M20 x 1,5	10,0 - 14,0	9,0	27	50	o. r.	o. r.	o. r.
97560	M25 x 1,5	13,0 - 18,0	11,0	33	50	o. r.	o. r.	o. r.
97561	M32 x 1,5	18,0 - 25,0	11,0	42	25	o. r.	o. r.	o. r.
97562	M40 x 1,5	22,0 - 32,0	13,0	53	10	o. r.	o. r.	o. r.
97563	M50 x 1,5	32,0 - 38,0	13,0	60	5	o. r.	o. r.	o. r.
97564	M63 x 1,5	37,0 - 44,0	14,0	65 / 68	5	o. r.	o. r.	o. r.

Continuation ▶

explosive area

## PG thread

Part no. light grey RAL 7035	Artikel-Nr. black RAL 9005	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
96110	96116	7	3,0 - 6,5	8,0	15	50	o. r.	o. r.	o. r.
96111	96117	9	4,0 - 8,0	8,0	19	50	o. r.	o. r.	o. r.
96112	96225	11	5,0 - 10,0	8,0	22	50	o. r.	o. r.	o. r.
96113	96226	13,5	6,5 - 12,0	9,0	24	50	o. r.	o. r.	o. r.
96114	96119	16	10,0 - 14,0	10,0	27	50	o. r.	o. r.	o. r.
96115	96120	21	13,0 - 18,0	11,0	33	50	o. r.	o. r.	o. r.
96597	96121	29	18,0 - 25,0	11,0	42	25	o. r.	o. r.	o. r.
96598	96122	36	22,0 - 32,0	13,0	53	10	o. r.	o. r.	o. r.
96599	96601	42	32,0 - 38,0	13,0	60	5	o. r.	o. r.	o. r.
96600	96602	48	37,0 - 44,0	14,0	65	5	o. r.	o. r.	o. r.

## PG thread - for intrinsically safe application

Part no. blue RAL 5012	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
90030	7	3,0 - 6,5	8,0	15	50	o. r.	o. r.	o. r.
90031	9	4,0 - 8,0	8,0	19	50	o. r.	o. r.	o. r.
90032	11	5,0 - 10,0	8,0	22	50	o. r.	o. r.	o. r.
90033	13,5	6,5 - 12,0	9,0	24	50	o. r.	o. r.	o. r.
90034	16	10,0 - 14,0	10,0	27	50	o. r.	o. r.	o. r.
90035	21	13,0 - 18,0	11,0	33	50	o. r.	o. r.	o. r.
90036	29	18,0 - 25,0	11,0	42	25	o. r.	o. r.	o. r.
90037	36	22,0 - 32,0	13,0	53	10	o. r.	o. r.	o. r.
90038	42	32,0 - 38,0	13,0	60	5	o. r.	o. r.	o. r.
90039	48	37,0 - 44,0	14,0	65	5	o. r.	o. r.	o. r.

## NPT thread

Part no. light grey RAL 7035	Artikel-Nr. black RAL 9005	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
92640	92650	3/8"	4,0 - 8,0	15,0	19 / 22	50	o. r.	o. r.	o. r.
92641	92651	1/2"	6,5 - 12,0	13,0	24	50	o. r.	o. r.	o. r.
92642	92652	1/2"	10,0 - 14,0	13,0	27	50	o. r.	o. r.	o. r.
92643	92653	3/4"	13,0 - 18,0	14,0	33	50	o. r.	o. r.	o. r.
92644	92654	1"	18,0 - 25,0	19,0	42	25	o. r.	o. r.	o. r.
92645	92655	1,25"	18,0 - 25,0	16,0	42 / 46	25	o. r.	o. r.	o. r.
92646	92656	1,5"	22,0 - 32,0	20,0	53	10	o. r.	o. r.	o. r.

## NPT thread - for intrinsically safe application

Part no. blue RAL 5012	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92660	3/8"	4,0 - 8,0	15,0	19 / 22	50	o. r.	o. r.	o. r.
92661	1/2"	6,5 - 12,0	13,0	24	50	o. r.	o. r.	o. r.
92662	1/2"	10,0 - 14,0	13,0	27	50	o. r.	o. r.	o. r.
92663	3/4"	13,0 - 18,0	14,0	33	50	o. r.	o. r.	o. r.
92664	1"	18,0 - 25,0	19,0	42	25	o. r.	o. r.	o. r.
92665	1,25"	18,0 - 25,0	16,0	42 / 46	25	o. r.	o. r.	o. r.
92666	1,5"	22,0 - 32,0	20,0	53	10	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request



# HSK-EX-Active Cable gland

Explosive area



## HSK-EX-Active

For use in explosive areas

### Application

- Plant and machine construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Installation technology
- Control cabinet construction

### Material

Fibreglass reinforced polyamide V0 acc. to UL 94  
Seal: NBR  
O-ring: NBR

- halogen-free
- phosphor-free
- silicone-free
- cadmium-free

### Properties

- Easy to assemble
- Completely water-tight
- Optimum strain relief
- Large clamping areas

### Note

**EC-Type Examination Certificate:**

BVS 14 ATEX E 025 X

**IECEx Certificate of Conformity:**

IECEx BVS 14.0020X

### Marking:

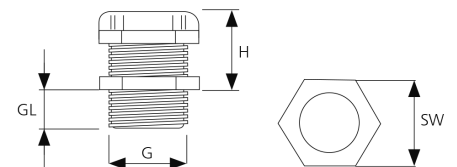
II 2G Ex e IIC Gb, II 1D Ex ta IIIC Da

### Technical data

Protection class: IP 68 – 10 bar acc. to DIN EN 60529

Temperature range: -20°C up to +85°C

Test standard: EN 60079-0:2012 / EN 60079-7:2007 / EN 60079-31:2011 / IEC 60079-0:2011 / IEC 60079-7:2007 / IEC 60079-31:2013



### Dimensions

G Thread size  
GL Thread length  
SW Spanner size  
H Height

### Metric thread

Part no. black RAL 9005	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Height mm	Unit
908540	M12 x 1,5	3,0 - 6,5	8,0	15	21	50
908541	M16 x 1,5	4,0 - 8,0	8,0	19	22	50
908542	M16 x 1,5	5,0 - 10,0	8,0	22	25	50
908543	M20 x 1,5	6,0 - 12,0	9,0	24	27	50
908544	M20 x 1,5	10,0 - 14,0	9,0	27	28	50
908545	M25 x 1,5	13,0 - 18,0	11,0	33	31	50
908546	M32 x 1,5	18,0 - 25,0	11,0	42	39	25
908547	M40 x 1,5	22,0 - 32,0	13,0	53	48	10
908548	M50 x 1,5	32,0 - 38,0	13,0	60	49	5
908549	M63 x 1,5	37,0 - 44,0	14,0	65 / 68	49	5

### Metric thread - with reducing seal

Part no. black RAL 9005	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Height mm	Unit
908550	M12 x 1,5	2,0 - 5,0	8,0	15	21	50
908551	M16 x 1,5	3,0 - 6,0	8,0	19	22	50
908552	M16 x 1,5	3,0 - 7,0	8,0	22	25	50
908553	M20 x 1,5	5,0 - 9,0	9,0	24	27	50
908554	M20 x 1,5	7,0 - 12,0	9,0	27	28	50
908555	M25 x 1,5	9,0 - 16,0	11,0	33	31	50
908556	M32 x 1,5	13,0 - 20,0	11,0	42	39	25
908557	M40 x 1,5	20,0 - 26,0	13,0	53	48	10
908558	M50 x 1,5	25,0 - 31,0	13,0	60	49	5
908559	M63 x 1,5	29,0 - 35,0	14,0	65 / 68	49	5

Dimensions and specifications may be changed without prior notice.

# HSK-L Cable gland

Long thread



## HSK-L

With long threaded connection

### Application

- Plant and machine construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Installation technology
- Control cabinet construction

### Material

PA 6, V0 acc. to UL 94  
Seal: NBR

- halogen-free
- phosphor-free
- silicone-free
- cadmium-free

### Properties

- Easy to assemble
- Completely watertight
- Optimum strain relief
- Large clamping areas

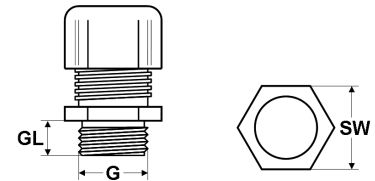
### Note

For the intrinsically safe area, type "i" cable glands in blue, RAL 5012, are used.

### Technical data

Protection class: IP 68 - 10 bar / IP 69K (within the specific clamping range with additional o-ring)

Temperature range: -40°C up to +100°C



### Dimensions

G Thread size  
GL Thread length  
SW Spanner size

### Metric thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
91690	91700	M12 x 1,5	3,0 - 6,5	15,0	15	50	o. r.	o. r.	o. r.
91691	91701	M16 x 1,5	4,0 - 8,0	15,0	19	50	o. r.	o. r.	o. r.
99841	99849	M16 x 1,5	5,0 - 10,0	15,0	22	50	o. r.	o. r.	o. r.
99842	99850	M20 x 1,5	6,0 - 12,0	15,0	24	50	o. r.	o. r.	o. r.
99843	99851	M20 x 1,5	10,0 - 14,0	15,0	27	50	o. r.	o. r.	o. r.
99844	99852	M25 x 1,5	13,0 - 18,0	15,0	33	50	o. r.	o. r.	o. r.
99845	99853	M32 x 1,5	18,0 - 25,0	15,0	42	25	o. r.	o. r.	o. r.
99846	99854	M40 x 1,5	22,0 - 32,0	18,0	53	10	o. r.	o. r.	o. r.
99847	99855	M50 x 1,5	32,0 - 38,0	18,0	60	5	o. r.	o. r.	o. r.
99848	99856	M63 x 1,5	37,0 - 44,0	18,0	65 / 68	5	o. r.	o. r.	o. r.

Continuation ►

## Long thread

### Metric thread - for intrinsically safe application

Part no. blue RAL 5012	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
91710	M12 x 1,5	3,0 - 6,5	15,0	15	50	o. r.	o. r.	o. r.
91711	M16 x 1,5	4,0 - 8,0	15,0	19	50	o. r.	o. r.	o. r.
99857	M16 x 1,5	5,0 - 10,0	15,0	22	50	o. r.	o. r.	o. r.
99858	M20 x 1,5	6,0 - 12,0	15,0	24	50	o. r.	o. r.	o. r.
99859	M20 x 1,5	10,0 - 14,0	15,0	27	50	o. r.	o. r.	o. r.
99860	M25 x 1,5	13,0 - 18,0	15,0	33	50	o. r.	o. r.	o. r.
99861	M32 x 1,5	18,0 - 25,0	15,0	42	25	o. r.	o. r.	o. r.
99862	M40 x 1,5	22,0 - 32,0	18,0	53	10	o. r.	o. r.	o. r.
99863	M50 x 1,5	32,0 - 38,0	18,0	60	5	o. r.	o. r.	o. r.
99864	M63 x 1,5	37,0 - 44,0	18,0	65 / 68	5	o. r.	o. r.	o. r.

### Metric thread - with reducing seal

Part no. light grey RAL 7035	Part no. black RAL 9005	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
91692	91702	M20 x 1,5	5,0 - 9,0	15,0	24	50	o. r.	o. r.	o. r.
91693	91703	M25 x 1,5	9,0 - 16,0	15,0	33	50	o. r.	o. r.	o. r.
91694	91704	M32 x 1,5	13,0 - 20,0	15,0	42	25	o. r.	o. r.	o. r.
91695	91705	M40 x 1,5	20,0 - 26,0	18,0	53	10	o. r.	o. r.	o. r.
91696	91706	M50 x 1,5	25,0 - 31,0	18,0	60	5	o. r.	o. r.	o. r.
91697	91707	M63 x 1,5	29,0 - 35,0	18,0	65 / 68	5	o. r.	o. r.	o. r.

### Metric thread - with reducing seal - for intrinsically safe application

Part no. blue RAL 5012	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
91712	M20 x 1,5	5,0 - 9,0	15,0	24	50	o. r.	o. r.	o. r.
91713	M25 x 1,5	9,0 - 16,0	15,0	33	50	o. r.	o. r.	o. r.
91714	M32 x 1,5	13,0 - 20,0	15,0	42	25	o. r.	o. r.	o. r.
91715	M40 x 1,5	20,0 - 26,0	18,0	53	10	o. r.	o. r.	o. r.
91716	M50 x 1,5	25,0 - 31,0	18,0	60	5	o. r.	o. r.	o. r.
91717	M63 x 1,5	29,0 - 35,0	18,0	65 / 68	5	o. r.	o. r.	o. r.

### PG thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
90040	97418	7	3,0 - 6,5	15,0	15	50	o. r.	o. r.	o. r.
90041	97419	9	4,0 - 8,0	15,0	19	50	o. r.	o. r.	o. r.
90042	96405	11	5,0 - 10,0	15,0	22	50	o. r.	o. r.	o. r.
90043	96404	13,5	6,0 - 12,0	15,0	24	50	o. r.	o. r.	o. r.
90044	96003	16	10,0 - 14,0	15,0	27	50	o. r.	o. r.	o. r.
90045	97767	21	13,0 - 18,0	15,0	33	50	o. r.	o. r.	o. r.
90046	96004	29	18,0 - 25,0	15,0	42	25	o. r.	o. r.	o. r.
90047	96253	36	22,0 - 32,0	18,0	53	10	o. r.	o. r.	o. r.
90048	96254	42	32,0 - 38,0	18,0	60	5	o. r.	o. r.	o. r.
90049	96256	48	37,0 - 44,0	18,0	65	5	o. r.	o. r.	o. r.

### PG thread - for intrinsically safe application

Part no. blue RAL 5012	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
91680	7	3,0 - 6,5	15,0	15	50	o. r.	o. r.	o. r.
91681	9	4,0 - 8,0	15,0	19	50	o. r.	o. r.	o. r.
91682	11	5,0 - 10,0	15,0	22	50	o. r.	o. r.	o. r.
91683	13,5	6,0 - 12,0	15,0	24	50	o. r.	o. r.	o. r.
91684	16	10,0 - 14,0	15,0	27	50	o. r.	o. r.	o. r.
91685	21	13,0 - 18,0	15,0	33	50	o. r.	o. r.	o. r.
91686	29	18,0 - 25,0	15,0	42	25	o. r.	o. r.	o. r.
91687	36	22,0 - 32,0	18,0	53	10	o. r.	o. r.	o. r.
91688	42	32,0 - 38,0	18,0	60	5	o. r.	o. r.	o. r.
91689	48	37,0 - 44,0	18,0	65	5	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

**HSK-PVDF** cable gland

Polyvinylidene fluoride

**HSK-PVDF**

Polyvinylidene fluoride for use in the chemical industry, at high temperatures, under long-term UV exposure.

The cable gland to meet stringent requirements in technology.

**Material**

PVDF  
Clamp: PVDF  
Seal: FKM

- phosphor-free
- silicone-free
- cadmium-free

**Properties**

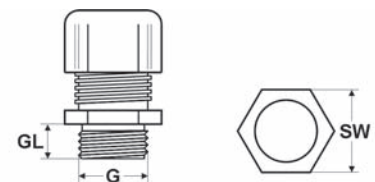
- Easy to assemble
- Completely water-tight
- Optimum strain relief
- Large clamping areas

**Technical data**

Protection class: IP 68 - 10 bar / IP 69K (within the specific clamping range with additional o-ring)

Temperature range: -35°C up to +150°C

Test standard: EN50262

**Dimensions**

G Thread size  
GL Thread length  
SW Spanner size

**metric thread**

Part no. natural	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit
97527	M12 x 1,5	3,0 - 6,5	8,0	15	50
97528	M16 x 1,5	4,0 - 8,0	8,0	19	50
97529	M20 x 1,5	6,0 - 12,0	9,0	24	50
97530	M25 x 1,5	13,0 - 18,0	11,0	33	50
97531	M32 x 1,5	18,0 - 25,0	11,0	42	25

**metric thread - with reducing seal**

Part no. natural	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit
99630	M12 x 1,5	2,0 - 5,0	8,0	15	50
99631	M16 x 1,5	2,0 - 6,0	8,0	19	50
99632	M20 x 1,5	5,0 - 9,0	9,0	24	50
99633	M25 x 1,5	9,0 - 16,0	11,0	33	50
99634	M32 x 1,5	13,0 - 20,0	11,0	42	25

Continuation ►

**HSK-PVDF** cable gland

Polyvinylidene fluoride

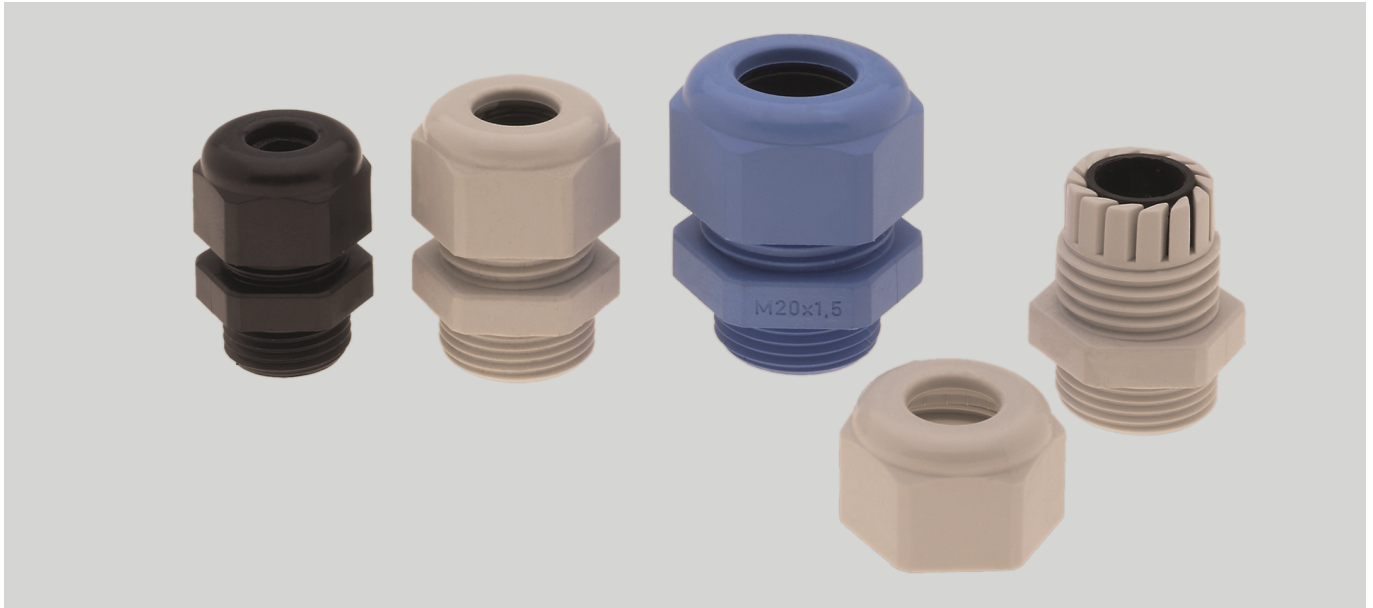
**PG thread**

Part no. natural	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	
97184	7	3,0 - 6,5	8,0	15	50	-
96748	9	4,0 - 8,0	8,0	19	50	-
97185	11	5,0 - 10,0	8,0	22	50	-
97186	13,5	6,0 - 12,0	9,0	24	50	-
97187	16	10,0 - 14,0	10,0	27	50	-
97188	21	13,0 - 18,0	11,0	33	50	-
97189	29	18,0 - 25,0	11,0	42	25	-
97190	36	22,0 - 32,0	13,0	53	10	-
97191	42	32,0 - 38,0	13,0	60	5	-
97192	48	37,0 - 44,0	14,0	65	5	-

**NPT thread**

Part no. natural	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	
91675	3/8"	4,0 - 8,0	15,0	19 / 22	50	-
91676	1/2"	6,0 - 12,0	13,0	24	50	-
91677	1/2"	10,0 - 14,0	13,0	27	50	-
91678	3/4"	13,0 - 18,0	14,0	33	50	-

Dimensions and specifications may be changed without prior notice.



## HSK-METRICA-P

The cable gland meets high standards in technology.

### Application

- Plant and machine construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Installation technology
- Control cabinet construction

### Material

Polyamide  
Seal: NBR

- halogen-free
- phosphor-free
- silicone-free
- cadmium-free

### Properties

- Easy to assemble
- Completely water-tight
- Optimum strain relief
- Clamping areas with metric dimensions

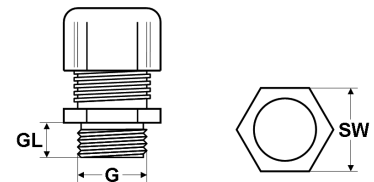
### Note

For the intrinsically safe area type "i" cable glands in blue, RAL 5012, are used.

### Technical data

Protection class: IP 68 - 10 bar / IP 69K (within the specific clamping range with additional o-ring)

Temperature range: -40°C up to +100°C



### Dimensions

G Thread size  
GL Thread length  
SW Spanner size

### Metric thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
99520	99530	M12 x 1,5	4,0 - 7,0	8,0	15	50	o. r.	o. r.	o. r.
99521	99531	M16 x 1,5	6,0 - 10,0	8,0	19	50	o. r.	o. r.	o. r.
99522	99532	M20 x 1,5	8,0 - 13,0	9,0	24	50	o. r.	o. r.	o. r.
99523	99533	M25 x 1,5	11,0 - 17,0	10,0	30	50	o. r.	o. r.	o. r.
99524	99534	M32 x 1,5	11,0 - 21,0	10,0	36	25	o. r.	o. r.	o. r.
99525	99535	M40 x 1,5	19,0 - 28,0	12,0	46	10	o. r.	o. r.	o. r.
99526	99536	M50 x 1,5	27,0 - 35,0	12,0	55	5	o. r.	o. r.	o. r.
99527	99537	M63 x 1,5	36,0 - 48,0	12,0	68	5	o. r.	o. r.	o. r.

### Metric thread - for intrinsically safe application

Part no. blue RAL 5012	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
99540	M12 x 1,5	4,0 - 7,0	8,0	15	50	o. r.	o. r.	o. r.
99541	M16 x 1,5	6,0 - 10,0	8,0	19	50	o. r.	o. r.	o. r.
99542	M20 x 1,5	8,0 - 13,0	9,0	24	50	o. r.	o. r.	o. r.
99543	M25 x 1,5	11,0 - 17,0	10,0	30	50	o. r.	o. r.	o. r.
99544	M32 x 1,5	11,0 - 21,0	10,0	36	25	o. r.	o. r.	o. r.
99545	M40 x 1,5	19,0 - 28,0	12,0	46	10	o. r.	o. r.	o. r.
99546	M50 x 1,5	27,0 - 35,0	12,0	55	5	o. r.	o. r.	o. r.
99547	M63 x 1,5	36,0 - 48,0	12,0	68	5	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request



## HSK-MS

Cable gland for high performance applications.

### Application

- Plant and machine construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Installation technology
- Control cabinet construction

### Material

Brass, nickel plated  
 Clamp: Polyamide  
 Seal: NBR  
 O-ring: NBR

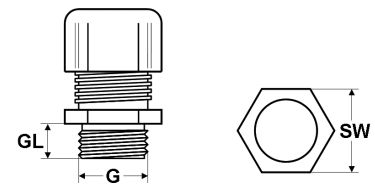
### Properties

- Easy to assemble
- Completely watertight
- Optimum strain relief
- Large Clamping areas

### Technical data

Protection class: IP 68 - 10 bar / IP 69K

Temperature range: -40°C up to +100°C



### Dimensions

G Thread size  
 GL Thread length  
 SW Spanner size

### Metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
98285	M12 x 1,5	3,0 - 6,5	6,5	14	50	o. r.	o. r.	o. r.
90292	M16 x 1,5	4,0 - 8,0	6,0	17 / 19	50	o. r.	o. r.	o. r.
98033	M16 x 1,5	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
90293	M20 x 1,5	6,0 - 12,0	6,0	22	50	o. r.	o. r.	o. r.
98034	M20 x 1,5	10,0 - 14,0	6,0	24	50	o. r.	o. r.	o. r.
90294	M25 x 1,5	13,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
90295	M32 x 1,5	18,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
90296	M40 x 1,5	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
90297	M50 x 1,5	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
90298	M63 x 1,5	37,0 - 44,0	10,0	64 / 68	5	o. r.	o. r.	o. r.

### Metric thread - with reducing seal

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
98035	M12 x 1,5	2,0 - 5,0	6,5	14	50	o. r.	o. r.	o. r.
98036	M16 x 1,5	2,0 - 6,0	6,0	17 / 19	50	o. r.	o. r.	o. r.
98038	M20 x 1,5	5,0 - 9,0	6,0	22	50	o. r.	o. r.	o. r.
98040	M25 x 1,5	9,0 - 16,0	7,0	30	25	o. r.	o. r.	o. r.
98041	M32 x 1,5	13,0 - 20,0	8,0	40	25	o. r.	o. r.	o. r.
98042	M40 x 1,5	20,0 - 26,0	8,0	50	10	o. r.	o. r.	o. r.
98043	M50 x 1,5	25,0 - 31,0	9,0	57	5	o. r.	o. r.	o. r.
98044	M63 x 1,5	29,0 - 35,0	10,0	64 / 68	5	o. r.	o. r.	o. r.

Continuation ►

## PG thread

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
90300	7	3,0 - 6,5	5,0	14	50	o. r.	o. r.	o. r.
90301	9	4,0 - 8,0	6,0	17	50	o. r.	o. r.	o. r.
90302	11	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
90303	13,5	6,0 - 12,0	6,5	22	50	o. r.	o. r.	o. r.
90304	16	10,0 - 14,0	6,5	24	50	o. r.	o. r.	o. r.
90305	21	13,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
90306	29	18,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
90307	36	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
90308	42	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
90309	48	37,0 - 44,0	10,0	64	5	o. r.	o. r.	o. r.

## PG thread - with reducing seal

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
99208	7	2,0 - 5,0	5,0	14	50	o. r.	o. r.	o. r.
99209	9	2,0 - 6,0	6,0	17	50	o. r.	o. r.	o. r.
99210	11	3,0 - 7,0	6,0	20	50	o. r.	o. r.	o. r.
99211	13,5	5,0 - 9,0	6,5	22	50	o. r.	o. r.	o. r.
99212	16	7,0 - 12,0	6,5	24	50	o. r.	o. r.	o. r.
99213	21	9,0 - 16,0	7,0	30	25	o. r.	o. r.	o. r.
99214	29	13,0 - 20,0	8,0	40	25	o. r.	o. r.	o. r.
99215	36	20,0 - 26,0	8,0	50	10	o. r.	o. r.	o. r.
99216	42	25,0 - 31,0	9,0	57	5	o. r.	o. r.	o. r.
99217	48	29,0 - 35,0	10,0	64	5	o. r.	o. r.	o. r.

## NPT thread

Part no.	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
91845	3/8"	4,0 - 8,0	15,0	17 / 19	50	o. r.	o. r.	o. r.
91846	1/2"	6,0 - 12,0	13,0	22 / 24	50	o. r.	o. r.	o. r.
91847	3/4"	13,0 - 18,0	13,0	30	25	o. r.	o. r.	o. r.
91848	1"	18,0 - 25,0	19,0	40	25	o. r.	o. r.	o. r.

## NPT thread - with reducing seal

Part no.	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
96678	3/8"	2,0 - 6,0	15,0	17 / 19	50	o. r.	o. r.	o. r.
97103	1/2"	5,0 - 9,0	13,0	22 / 24	50	o. r.	o. r.	o. r.
97661	3/4"	9,0 - 16,0	13,0	30	25	o. r.	o. r.	o. r.
97662	1"	13,0 - 20,0	19,0	40	25	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request



# HSK-MS-B Cable gland

Anti-kink



## HSK-MS-B

With anti-kink spirals

### Application

- Plant and machine construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Installation technology
- Control cabinet construction

### Material

Brass, nickel plated  
 Clamp: Polyamide PA 6  
 Seal: NBR  
 O-ring: NBR  
 Kinking protection spring: Stainless steel (1.4310)

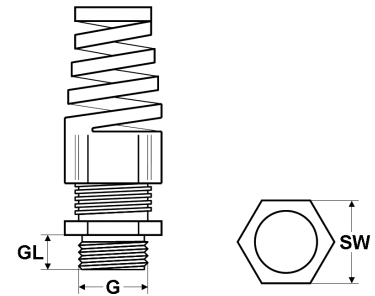
### Properties

- Easy to assemble
- Completely watertight
- Optimum strain relief
- Large Clamping areas

### Technical data

Protection class: IP 68 - 10 bar / IP 69K

Temperature range: -40°C up to +100°C



### Dimensions

G Thread size  
 GL Thread length  
 SW Spanner size

### Metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92917	M12 x 1,5	3,0 - 6,5	6,5	14	50	o. r.	o. r.	o. r.
92918	M16 x 1,5	4,0 - 8,0	6,0	19	50	o. r.	o. r.	o. r.
92919	M16 x 1,5	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
92920	M20 x 1,5	6,0 - 12,0	6,0	22	50	o. r.	o. r.	o. r.
92921	M20 x 1,5	10,0 - 14,0	6,0	24	25	o. r.	o. r.	o. r.
92922	M25 x 1,5	13,0 - 18,0	7,0	30	20	o. r.	o. r.	o. r.

### PG thread

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92911	7	3,0 - 6,5	5,0	14	50	o. r.	o. r.	o. r.
92912	9	4,0 - 8,0	6,0	17	50	o. r.	o. r.	o. r.
92913	11	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
92914	13,5	6,0 - 12,0	6,5	22	50	o. r.	o. r.	o. r.
92915	16	10,0 - 14,0	6,5	24	25	o. r.	o. r.	o. r.
92916	21	13,0 - 18,0	7,0	30	20	o. r.	o. r.	o. r.

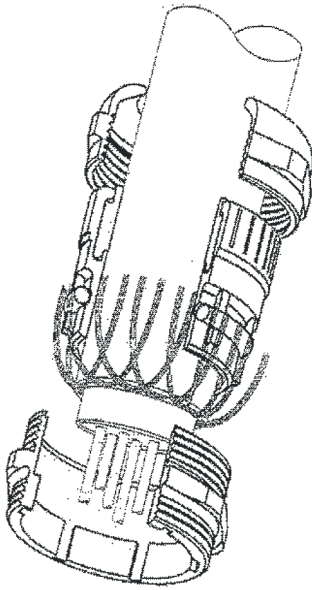
### NPT thread

Part no.	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92923	3/8"	4,0 - 8,0	15,0	17 / 19	50	o. r.	o. r.	o. r.
92924	1/2"	6,0 - 12,0	13,0	22 / 24	50	o. r.	o. r.	o. r.
92925	3/4"	13,0 - 18,0	13,0	33	20	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# HSK-MS-E EMC cable gland



## HSK-MS-E

EMC cable gland for sheathed cables.

### Application

- Plant and machine construction
- Automation technology
- Vehicle construction and shipbuilding
- Installation technology

### Material

Brass, nickel plated  
 Clamp: Polyamide PA 6  
 Seal: NBR  
 O-ring: NBR

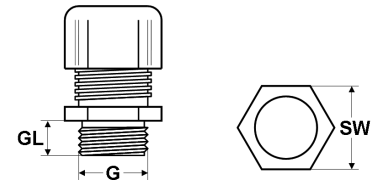
### Technical data

Protection class: IP 68 - 10 bar / IP 69K

Temperature range: -40°C up to +100°C

### Properties

- Easy to assemble
- Completely watertight
- Optimum strain relief
- Large clamping areas



### Dimensions

G Thread size  
 GL Thread length  
 SW Spanner size

### Metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
97335	M12 x 1,5	3,0 - 6,5	6,5	14	50	o. r.	o. r.	o. r.
97336	M16 x 1,5	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
97337	M20 x 1,5	10,0 - 14,0	6,0	24	50	o. r.	o. r.	o. r.
97338	M25 x 1,5	13,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
97339	M32 x 1,5	18,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
97340	M40 x 1,5	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
90397	M50 x 1,5	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
90398	M63 x 1,5	37,0 - 44,0	10,0	64 / 68	5	o. r.	o. r.	o. r.

### PG thread

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
90423	7	3,0 - 6,5	5,0	14	50	o. r.	o. r.	o. r.
90424	9	4,0 - 8,0	6,0	17	50	o. r.	o. r.	o. r.
90425	11	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
90426	13,5	6,0 - 12,0	6,5	22	50	o. r.	o. r.	o. r.
90427	16	10,0 - 14,0	6,5	24	50	o. r.	o. r.	o. r.
90428	21	13,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
90429	29	18,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
90430	36	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
90431	42	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
90432	48	37,0 - 44,0	10,0	64	5	o. r.	o. r.	o. r.

### NPT thread

Part no.	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92905	3/8"	4,0 - 8,0	15,0	17 / 19	50	o. r.	o. r.	o. r.
92906	1/2"	6,0 - 12,0	13,0	22 / 24	50	o. r.	o. r.	o. r.
92907	3/4"	13,0 - 18,0	13,0	30	25	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request



## HSK-MS-E-D

EMC cable gland to meet stringent requirements in technology.  
Time-saving and simple handling through metallised terminal insert, which is automatically contacted when the gland is closed.

## Material

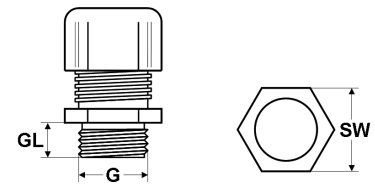
Brass, nickel plated  
Clamp: PA, metal-plated  
Seal: NBR  
O-ring: NBR

## Technical data

Protection class: IP 68 - 10 bar / IP 69K  
Temperature range: -40°C up to +100°C

## Application

- Plant and machine construction
- Robot construction
- Automation technology
- Vehicle construction and shipbuilding
- Rail technology
- Installation technology
- Control cabinet construction



## Dimensions

G Thread size  
GL Thread length  
SW Spanner size

### metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
98055	M12 x 1,5	3,0 - 6,5	6,5	14	50	o. r.	o. r.	o. r.
98056	M16 x 1,5	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
98057	M20 x 1,5	10,0 - 14,0	6,0	24	50	o. r.	o. r.	o. r.
98058	M25 x 1,5	13,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
98059	M32 x 1,5	18,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
98060	M40 x 1,5	24,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
90160	M50 x 1,5	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
90161	M63 x 1,5	37,0 - 44,0	10,0	68	5	o. r.	o. r.	o. r.

### PG thread

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
97655	7	3,0 - 6,5	5,0	14	50	o. r.	o. r.	o. r.
97656	9	4,0 - 8,0	6,0	17	50	o. r.	o. r.	o. r.
97657	11	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
97658	13,5	6,0 - 12,0	6,5	22	50	o. r.	o. r.	o. r.
97659	16	10,0 - 14,0	6,5	24	50	o. r.	o. r.	o. r.
97660	21	13,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
97752	29	18,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
97788	36	24,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# HSK-MS-EX Cable gland

Brass - explosive area



## HSK-MS-EX

For use in explosive areas

### Application

- Plant and machine construction
- Automation technology
- Control cabinet construction
- Installation technology

### Material

Brass, nickel plated  
 Clamp: Polyamide PA 6  
 Seal: NBR  
 O-ring: NBR

### Properties

- Easy to assemble
- Completely water-tight
- Optimum strain relief
- Large clamping areas

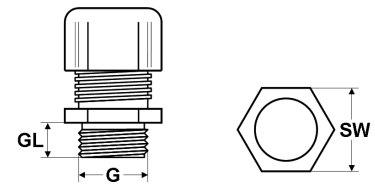
### Note

Certificate of Conformity:  
 DMT 03 ATEX E 051 X

### Technical data

Protection class: IP 68 - 10 bar / IP 69K

Temperature range: -20°C up to +95°C



### Dimensions

G Thread size  
 GL Thread length  
 SW Spanner size

### Metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
98045	M12 x 1,5	3,0 - 6,5	6,5	14	50	o. r.	o. r.	o. r.
98046	M16 x 1,5	4,0 - 8,0	6,0	17 / 19	50	o. r.	o. r.	o. r.
98047	M16 x 1,5	6,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
98048	M20 x 1,5	6,0 - 12,0	6,0	22	50	o. r.	o. r.	o. r.
98049	M20 x 1,5	10,0 - 14,0	6,0	24	50	o. r.	o. r.	o. r.
98050	M25 x 1,5	14,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
98051	M32 x 1,5	20,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
98052	M40 x 1,5	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
98053	M50 x 1,5	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
98054	M63 x 1,5	37,0 - 44,0	10,0	64 / 68	5	o. r.	o. r.	o. r.

### PG thread

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
90200	7	3,0 - 6,5	5,0	14	50	o. r.	o. r.	o. r.
90201	9	4,0 - 8,0	6,0	17	50	o. r.	o. r.	o. r.
90202	11	6,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
90203	13,5	6,0 - 12,0	6,5	22	50	o. r.	o. r.	o. r.
90204	16	10,0 - 14,0	6,5	24	50	o. r.	o. r.	o. r.
90205	21	14,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
90206	29	20,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
90207	36	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
90208	42	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
90209	48	37,0 - 44,0	10,0	64	5	o. r.	o. r.	o. r.

### NPT thread

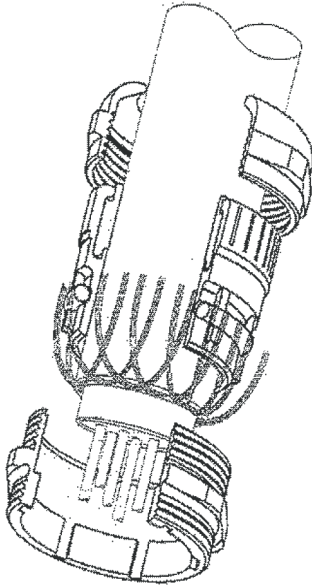
Part no.	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92900	3/8"	4,0 - 8,0	15,0	17 / 19	50	o. r.	o. r.	o. r.
92901	1/2"	6,0 - 12,0	13,0	22 / 24	50	o. r.	o. r.	o. r.
92902	3/4"	14,0 - 18,0	13,0	30	25	o. r.	o. r.	o. r.
92903	1"	20,0 - 25,0	19,0	40	25	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# HSK-MS-EX-E Cable gland

Brass - explosive area - EMC



## HSK-MS-EX-E

EMC cable gland for use in explosive areas.

### Application

- Plant and machine construction
- Automation technology
- Vehicle construction and shipbuilding
- Installation technology

### Material

Brass, nickel plated  
 Clamp: Polyamide PA 6  
 Seal: NBR  
 O-ring: NBR

### Technical data

Protection class: IP 68 - 10 bar / IP 69K

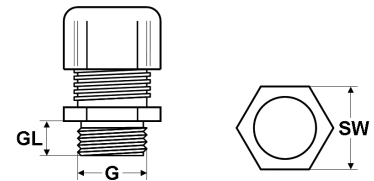
Temperature range: -20°C up to +95°C

### Properties

- Easy to assemble
- Completely water-tight
- Optimum strain relief
- Large clamping areas

### Note

Certificate of Conformity:  
 DMT 03 ATEX E 051 X



### Dimensions

G Thread size  
 GL Thread length  
 SW Spanner size

### Metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92880	M12 x 1,5	3,0 - 6,5	6,5	14	50	o. r.	o. r.	o. r.
92881	M16 x 1,5	6,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
92882	M20 x 1,5	10,0 - 14,0	6,0	24	50	o. r.	o. r.	o. r.
92883	M25 x 1,5	14,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
92884	M32 x 1,5	20,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
92885	M40 x 1,5	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
92886	M50 x 1,5	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
92887	M63 x 1,5	37,0 - 44,0	10,0	64 / 68	5	o. r.	o. r.	o. r.

### PG thread

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92870	7	3,0 - 6,5	5,0	14	50	o. r.	o. r.	o. r.
92871	9	4,0 - 8,0	6,0	17	50	o. r.	o. r.	o. r.
92872	11	6,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
92873	13,5	6,0 - 12,0	6,5	22	50	o. r.	o. r.	o. r.
92874	16	10,0 - 14,0	6,5	24	50	o. r.	o. r.	o. r.
92875	21	14,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
92876	29	20,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
92877	36	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
92878	42	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
92879	48	37,0 - 44,0	10,0	64	5	o. r.	o. r.	o. r.

### NPT thread

Part no.	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92890	3/8"	4,0 - 8,0	15,0	17 / 19	50	o. r.	o. r.	o. r.
92891	1/2"	6,0 - 12,0	13,0	22 / 24	50	o. r.	o. r.	o. r.
92892	3/4"	14,0 - 18,0	13,0	30	25	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# HSK-MS-L Cable gland

Long thread



## HSK-MS-L

With long threaded connection

### Application

- Plant and machine construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Installation technology
- Control cabinet construction

### Material

Brass, nickel plated  
Clamp: Polyamide  
Seal: NBR  
O-ring: NBR

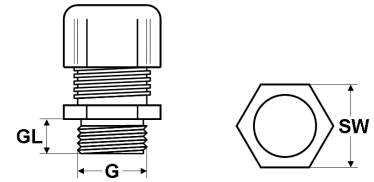
### Properties

- Easy to assemble
- Completely watertight
- Optimum strain relief
- Large Clamping areas

### Technical data

Protection class: IP 68 - 10 bar / IP 69K

Temperature range: -40°C up to +100°C



### Dimensions

G Thread size  
GL Thread length  
SW Spanner size

### Metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
91720	M12 x 1,5	3,0 - 6,5	10,0	14	50	o. r.	o. r.	o. r.
91721	M16 x 1,5	4,0 - 8,0	10,0	17 / 19	50	o. r.	o. r.	o. r.
94559	M20 x 1,5	10,0 - 14,0	10,0	24	50	o. r.	o. r.	o. r.
903527	M25 x 1,5	13,0 - 18,0	12,0	30	25	o. r.	o. r.	o. r.
93539	M32 x 1,5	18,0 - 25,0	12,0	40	25	o. r.	o. r.	o. r.
91725	M40 x 1,5	20,0 - 26,0	15,0	50	10	o. r.	o. r.	o. r.
91726	M50 x 1,5	25,0 - 31,0	15,0	57	5	o. r.	o. r.	o. r.
91727	M63 x 1,5	29,0 - 35,0	15,0	64 / 68	5	o. r.	o. r.	o. r.

### Metric thread - with reducing seal

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
91722	M20 x 1,5	5,0 - 9,0	10,0	22	50	o. r.	o. r.	o. r.
91723	M25 x 1,5	9,0 - 16,0	12,0	30	25	o. r.	o. r.	o. r.
91724	M32 x 1,5	13,0 - 20,0	12,0	40	25	o. r.	o. r.	o. r.

### PG thread - female

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
90310	7	3,0 - 6,5	10,0	14	50	o. r.	o. r.	o. r.
90311	9	4,0 - 8,0	10,0	17	50	o. r.	o. r.	o. r.
90312	11	5,0 - 10,0	10,0	20	50	o. r.	o. r.	o. r.
90313	13,5	6,0 - 12,0	10,0	22	50	o. r.	o. r.	o. r.
90314	16	10,0 - 14,0	10,0	24	50	o. r.	o. r.	o. r.
90315	21	13,0 - 18,0	12,0	30	25	o. r.	o. r.	o. r.
90316	29	18,0 - 25,0	12,0	40	25	o. r.	o. r.	o. r.
90317	36	22,0 - 32,0	15,0	50	10	o. r.	o. r.	o. r.
90318	42	32,0 - 38,0	15,0	57	5	o. r.	o. r.	o. r.
90319	48	37,0 - 44,0	15,0	64	5	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# HSK-MS-PVDF Cable gland

Brass and polyvinylidene fluoride



## HSK-MS-PVDF

Cable gland to meet stringent requirements in technology.  
Polyvinylidene fluoride for use in the chemical industry, at high temperatures, under long-term UV exposure.

## Material

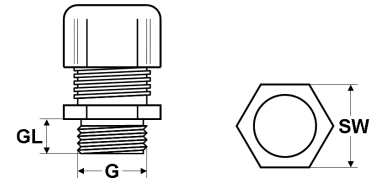
Brass, nickel plated  
Clamp: PVDF  
Seal: FKM  
O-ring: FKM

## Technical data

Protection class: IP 68 - 10 bar / IP 69K  
Temperature range: -35°C up to +150°C

## Properties

- Easy to assemble
- Completely water-tight
- Optimum strain relief
- Large clamping areas



## Dimensions

G Thread size  
GL Thread length  
SW Spanner size

### Metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
97571	M12 x 1,5	3,0 - 6,5	6,5	14	50	o. r.	o. r.	o. r.
97572	M16 x 1,5	4,0 - 8,0	6,0	17 / 19	50	o. r.	o. r.	o. r.
905084	M16 x 1,5	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
97573	M20 x 1,5	10,0 - 14,0	6,0	24	50	o. r.	o. r.	o. r.
97574	M25 x 1,5	13,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
97575	M32 x 1,5	18,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
97576	M40 x 1,5	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.

### PG thread

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
97565	7	3,0 - 6,5	5,0	14	50	o. r.	o. r.	o. r.
97500	9	4,0 - 8,0	6,0	17	50	o. r.	o. r.	o. r.
97445	11	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
97446	13,5	6,0 - 12,0	6,5	22	50	o. r.	o. r.	o. r.
97447	16	10,0 - 14,0	6,5	24	50	o. r.	o. r.	o. r.
97566	21	13,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
97567	29	18,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
97568	36	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
97569	42	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
97570	48	37,0 - 44,0	10,0	64	5	o. r.	o. r.	o. r.

### NPT thread

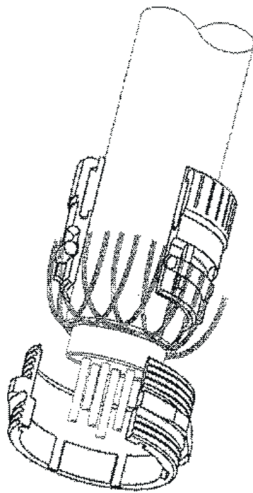
Part no.	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
97663	3/8"	4,0 - 8,0	15,0	17 / 19	25	o. r.	o. r.	o. r.
97664	1/2"	6,0 - 12,0	13,0	22 / 24	50	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# HSK-MZ-E EMC - cable gland

With strain relief



## HSK-MZ-E

EMC cable gland with double bracket strain relief.

### Application

- Plant and machine construction
- Automation technology
- Vehicle construction and shipbuilding
- Installation technology

### Material

Brass, nickel plated  
Clamp: Polyamide  
Seal: NBR  
O-ring: NBR

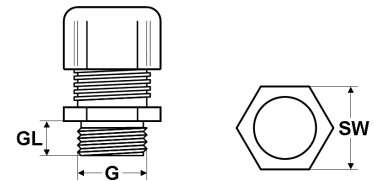
### Properties

- Easy to assemble
- Completely watertight
- Optimum strain relief
- Large clamping areas

### Technical data

Protection class: IP 68 - 10 bar / IP 69K

Temperature range: -40°C up to +100°C



### Dimensions

G Thread size  
GL Thread length  
SW Spanner size

### Metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
98070	M12 x 1,5	3,0 - 6,5	6,5	14	50	o. r.	o. r.	o. r.
98071	M16 x 1,5	6,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
98072	M20 x 1,5	10,0 - 14,0	6,0	24	50	o. r.	o. r.	o. r.
98073	M25 x 1,5	13,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
98074	M32 x 1,5	18,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
98075	M40 x 1,5	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
90162	M50 x 1,5	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
90163	M63 x 1,5	37,0 - 44,0	10,0	64 / 68	5	o. r.	o. r.	o. r.

### PG thread

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
98061	7	3,0 - 6,5	5,0	14	50	o. r.	o. r.	o. r.
98062	9	4,0 - 8,0	6,0	17	50	o. r.	o. r.	o. r.
98063	11	6,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
98064	13,5	6,0 - 12,0	6,5	22	50	o. r.	o. r.	o. r.
98065	16	10,0 - 14,0	6,5	24	50	o. r.	o. r.	o. r.
98201	21	13,0 - 18,0	7,0	30	25	o. r.	o. r.	o. r.
98066	29	18,0 - 25,0	8,0	40	25	o. r.	o. r.	o. r.
98067	36	22,0 - 32,0	8,0	50	10	o. r.	o. r.	o. r.
98068	42	32,0 - 38,0	9,0	57	5	o. r.	o. r.	o. r.
98069	48	37,0 - 44,0	10,0	64	5	o. r.	o. r.	o. r.

### NPT thread

Part no.	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
92908	3/8"	4,0 - 8,0	15,0	17 / 19	50	o. r.	o. r.	o. r.
92909	1/2"	6,0 - 12,0	13,0	22 / 24	50	o. r.	o. r.	o. r.
92910	3/4"	13,0 - 18,0	13,0	30	25	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request





## HSK-WI

Foldable elbow gland for simple cable insertion. The profile can be re-opened at any time.

### Application

- Plant and machine construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Installation technology
- Control cabinet construction

### Material

Polyamide  
Seal: NBR  
O-ring: NBR

- halogen-free
- phosphor-free
- silicone-free
- cadmium-free

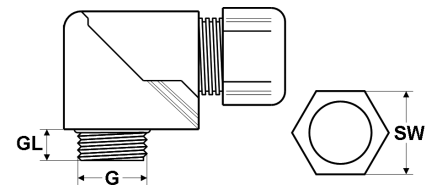
### Note

Elbow gland with NPT thread without O-Ring

### Technical data

Protection class: IP 68

Temperature range: -40°C up to +100°C



### Dimensions

G Thread size  
GL Thread length  
SW Spanner size

### Metric thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
91284	91840	M16 x 1,5	4,0 - 8,0	8,0	19	25	o. r.	o. r.	o. r.
91285	91841	M20 x 1,5	6,0 - 12,0	9,0	24	25	o. r.	o. r.	o. r.
91286	91842	M25 x 1,5	13,0 - 18,0	11,0	33	10	o. r.	o. r.	o. r.
91287	91843	M32 x 1,5	18,0 - 25,0	11,0	42	5	o. r.	o. r.	o. r.

### PG thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
96981	96581	9	4,0 - 8,0	8,0	19	25	o. r.	o. r.	o. r.
96982	96103	11	5,0 - 10,0	8,0	22	25	o. r.	o. r.	o. r.
96983	96582	13,5	6,0 - 12,0	9,0	24	25	o. r.	o. r.	o. r.
96984	96583	16	10,0 - 14,0	10,0	27	25	o. r.	o. r.	o. r.
96985	96584	21	13,0 - 18,0	11,0	33	10	o. r.	o. r.	o. r.
96986	96406	29	18,0 - 25,0	11,0	42	5	o. r.	o. r.	o. r.

### NPT thread

Part no. light grey RAL 7035	Part no. black RAL 9005	Size NPT	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
							up to 100	101 - 500	501 - 1000
92690	92700	3/8"	4,0 - 8,0	15,0	19	25	o. r.	o. r.	o. r.
92691	92701	1/2"	6,0 - 12,0	13,0	24	25	o. r.	o. r.	o. r.
92692	92702	1/2"	10,0 - 14,0	13,0	27	25	o. r.	o. r.	o. r.
92693	92703	3/4"	13,0 - 18,0	13,0	33	20	o. r.	o. r.	o. r.
92694	92704	1"	18,0 - 25,0	19,0	42	5	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# SD Cable gland



## SD

Gas and watertight gland. The quality is similar to an incision sealing ring and guarantees extensive clamping ranges.

## Material

Brass, nickel plated  
Seal: NBR  
O-ring: NBR

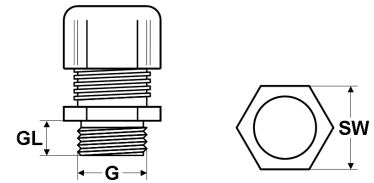
## Technical data

Protection class: IP 68 - 5 bar

Temperature range: -40°C up to +100°C

## Application

- Plant and machine construction
- Automation and installation technology
- Vehicle construction and shipbuilding



## Dimensions

G Thread size  
GL Thread length  
SW Spanner size

## Metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
98108	M12 x 1,5	5,0 - 7,0	5,0	14	100	o. r.	o. r.	o. r.
98109	M16 x 1,5	5,0 - 10,0	5,5	17	50	o. r.	o. r.	o. r.
98110	M20 x 1,5	8,0 - 14,0	6,0	22	50	o. r.	o. r.	o. r.
98111	M25 x 1,5	12,0 - 19,0	7,0	30	25	o. r.	o. r.	o. r.
98112	M32 x 1,5	15,0 - 22,0	8,0	34	25	o. r.	o. r.	o. r.
98113	M40 x 1,5	22,0 - 28,0	8,0	44	10	o. r.	o. r.	o. r.

## PG thread

Part no.	Size PG	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
90586	7	5,0 - 7,0	5,0	14	100	o. r.	o. r.	o. r.
90587	9	5,0 - 10,0	6,0	17	50	o. r.	o. r.	o. r.
90588	11	5,0 - 10,0	6,0	20	50	o. r.	o. r.	o. r.
90589	13,5	9,0 - 14,0	6,5	22	50	o. r.	o. r.	o. r.
90590	16	10,0 - 15,0	6,5	24	50	o. r.	o. r.	o. r.
90591	21	12,0 - 19,0	7,0	30	25	o. r.	o. r.	o. r.
90592	29	22,0 - 28,0	8,0	40	25	o. r.	o. r.	o. r.
90593	36	28,0 - 36,0	9,0	50	10	o. r.	o. r.	o. r.
90594	42	35,0 - 45,0	10,0	60	10	o. r.	o. r.	o. r.
90595	48	34,0 - 49,0	11,0	65	10	o. r.	o. r.	o. r.

## BSP thread

Part no.	Size BSP	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
90596	G 3/8"	4,0 - 12,0	6,0	22	50	o. r.	o. r.	o. r.
90597	G 1/2"	7,0 - 15,0	8,0	24	50	o. r.	o. r.	o. r.
90598	G 3/4"	9,0 - 20,0	10,0	32	25	o. r.	o. r.	o. r.
90599	G 1"	18,0 - 28,0	11,0	40	25	o. r.	o. r.	o. r.
90600	G 1 1/2"	25,0 - 35,0	12,0	50	10	o. r.	o. r.	o. r.
90601	G 2"	34,0 - 49,0	12,0	64	5	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# SD-XXL Cable gland

For particularly large cable diameters



## SD-XXL

Gas and watertight gland for very large cable diameters. The quality is similar to an incision sealing ring and guarantees extensive clamping ranges.

## Material

Brass, nickel plated  
Seal: NBR  
O-ring: NBR

## Technical data

Protection class: IP 68 - 10 bar

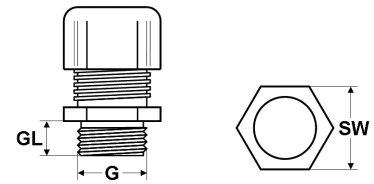
Temperature range: -40°C up to +100°C

## Properties

- Large-area cable sealing
- Easy to assemble
- Large clamping range

## Note

BSP-variant: Without O-ring at threaded connection. Sealing insert made of TPE.



## Dimensions

G Thread size  
GL Thread length  
SW Spanner size

## Metric thread

Part no.	Size Metr.	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
905570	M72 x 2,0	56,0 - 61,0	16,0	77	1	o. r.	o. r.	o. r.
905506	M75 x 1,5	56,0 - 61,0	16,0	77	1	o. r.	o. r.	o. r.
905571	M75 x 2,0	56,0 - 61,0	16,0	77	1	o. r.	o. r.	o. r.
905573	M80 x 2,0	50,0 - 56,0	18,0	90	1	o. r.	o. r.	o. r.
905572	M80 x 2,0	60,0 - 66,0	18,0	90	1	o. r.	o. r.	o. r.
905575	M85 x 2,0	63,0 - 70,0	22,0	96	1	o. r.	o. r.	o. r.
905574	M85 x 2,0	68,0 - 76,0	22,0	96	1	o. r.	o. r.	o. r.
905576	M90 x 2,0	68,0 - 76,0	22,0	98 / 96	1	o. r.	o. r.	o. r.
905577	M110 x 2,0	75,0 - 82,0	25,0	125 / 110	1	o. r.	o. r.	o. r.
905578	M120 x 2,0	88,0 - 95,0	25,0	120 / 116	1	o. r.	o. r.	o. r.

## BSP thread

Part no.	Size BSP	Cable Ø from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
90604	G 3"	58,0 - 65,0	18,0	100	1	o. r.	o. r.	o. r.
90605	G 3"	63,0 - 70,0	18,0	100	1	o. r.	o. r.	o. r.
90606	G 4"	68,0 - 75,0	22,0	125	1	o. r.	o. r.	o. r.
90607	G 4"	73,0 - 80,0	22,0	125	1	o. r.	o. r.	o. r.
90608	G 4"	78,0 - 85,0	22,0	125	1	o. r.	o. r.	o. r.
90609	G 4"	83,0 - 90,0	22,0	125	1	o. r.	o. r.	o. r.
93440	G 5"	91,0 - 97,0	22,0	150	1	o. r.	o. r.	o. r.
93441	G 5"	97,0 - 104,0	22,0	150	1	o. r.	o. r.	o. r.
93442	G 5"	102,0 - 109,0	22,0	150	1	o. r.	o. r.	o. r.
93443	G 5"	109,0 - 116,0	22,0	150	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# ZES Cable gland

With strain relief and incision sealing ring



## ZES

Hexagonal brass strain relief gland with incision sealing ring.

## Application

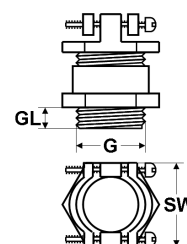
- Plant and machine construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Installation technology
- Control cabinet construction

## Material

Brass, nickel plated  
Seal: NBR  
Thrust rings: Galvanized steel

## Technical data

Protection class: IP 54  
Temperature range: -20°C up to +60°C



## Dimensions

G Thread size  
GL Thread length  
SW Spanner size

## Metric thread

Part no.	Size Metr.	Cable Ø incisions from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
90275	M12 x 1,5	5/7	5,0	14	50	o. r.	o. r.	o. r.
90276	M16 x 1,5	5,5/9	5,0	18	50	o. r.	o. r.	o. r.
90278	M20 x 1,5	7/10/13	6,0	22	50	o. r.	o. r.	o. r.
908421	M20 x 1,5	7/10/13	6,0	24	50	o. r.	o. r.	o. r.
908422	M25 x 1,5	11/14/17	7,0	30	25	o. r.	o. r.	o. r.
908423	M32 x 1,5	19/21/24	8,0	39	20	o. r.	o. r.	o. r.
90282	M40 x 1,5	26/29/32	8,0	50	10	o. r.	o. r.	o. r.
90283	M50 x 1,5	35/38/41	9,0	57	5	o. r.	o. r.	o. r.
90284	M63 x 1,5	44/47/50	10,0	66	5	o. r.	o. r.	o. r.

## PG thread

Part no.	Size PG	Cable Ø incisions from / to mm	Thread length mm	Spanner size mm	Unit	Net EUR/ 100 items at a purchase of		
						up to 100	101 - 500	501 - 1000
90569	7	7	5,0	14	50	o. r.	o. r.	o. r.
90570	9	5/7,5/10	6,0	17	50	o. r.	o. r.	o. r.
90571	11	7,5/10/12,5	6,0	20	50	o. r.	o. r.	o. r.
90572	13,5	7,5/10/12,5	6,5	22	50	o. r.	o. r.	o. r.
90573	16	7,5/10/12,5/15	6,5	24	50	o. r.	o. r.	o. r.
90574	21	10/13/16/19	7,0	30	25	o. r.	o. r.	o. r.
90575	29	18/21/24/27	8,0	40	25	o. r.	o. r.	o. r.
90576	36	24/27/30/33	9,0	50	10	o. r.	o. r.	o. r.
90577	42	30/33/36/39	10,0	57	5	o. r.	o. r.	o. r.
90578	48	36/39/42/45	10,0	64	5	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

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