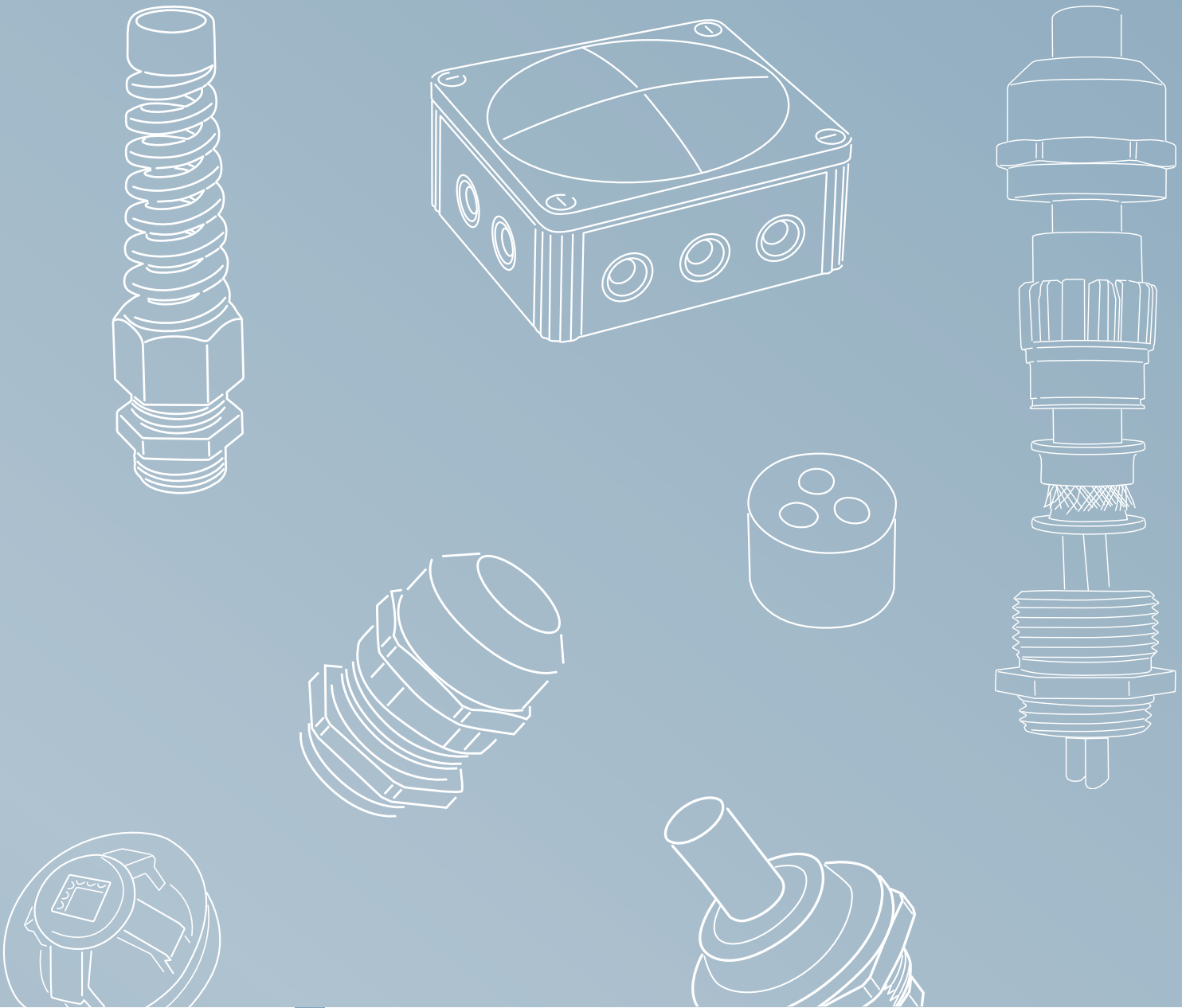




Cable Glands

Junction Boxes

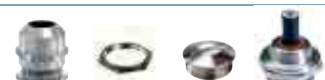
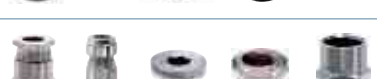


Signs & Symbols

The following signs and symbols will help you navigate our catalogue and understand the detailed product information.

Type	WISKA Type	TL (mm)	Total length
WISKA-No.	WISKA Order-No.		Cable diameter
WISKA-No. RAL 3000	WISKA Order-No. flame red		Outer cable diameter below shield
WISKA-No. RAL 7001	WISKA Order-No. silver grey		Inner cable diameter below shield
WISKA-No. RAL 7035	WISKA Order-No. light grey	n 	Quantity of cables
WISKA-No. RAL 9001	WISKA Order-No. cream		Key width
WISKA-No. RAL 9005	WISKA Order-No. jet black		Cable gland
	Packing unit		Drilling diameter
	Connection thread size		Wall thickness
	Connection thread size, outer thread	LxBxH außen (mm)	Length x width x height
	Connection thread size, inner thread	E (mm)	Collar diameter
	Length screw-in thread		

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WISKA – Partner for Industry and Craft

Inconspicuous, but packed with high-tech

While they are rather inconspicuous, WISKA cable glands are state-of-the-art technology. They contain years of development work and innovative knowledge. WISKA cable glands are used in a variety of industries worldwide and play a reliable and important role in all installations.

The right solution for every application

90 years ago, the founders of WISKA developed the first plastic cable gland, creating an important basis for the company's current comprehensive product portfolio. The flexible SPRINT system offers cable glands made of polyamide, stainless steel and brass in nearly unlimited versions, from standard to highly-specialised. And if one product is missing, we will develop it for our customers. WISKA's CLIXX membrane cable entries also win customers over thanks to their simple assembly: simply clip in, insert cable and done. It is not only incredibly simple, it also saves time and money.



Innovation – Made in Germany

WISKA proves its great innovation by developing solutions for particularly demanding sectors. For example, in the Venting programme, WISKA engineers developed the first breathable cable glands to protect electrical systems from short circuits and corrosion. They are primarily used for applications where significant temperature fluctuations occur and the risk of condensation is very high, for example in light fittings. In the food and pharmaceutical industries, on the other hand, cleanliness is the most important factor. This is why WISKA has designed an easy-to-clean hygienic design product for use in these sectors.



Junction boxes for professional installers

WISKA's COMBI junction boxes provide real added value. With their bellied covers, they offer larger internal spaces, and therefore simpler and time-saving installation conditions. They particularly prove this advantage under extreme conditions: they are weather, UV and impact resistant and shatterproof, and therefore ideally suited to the extreme conditions of external installations.



- 1925** First cable gland made of plastic (ISOSTABIL)
- 1989** WISKA launches its SPRINT cable gland system
- 2000** First two-component cable entry worldwide (QUIXX)
- 2007** First breathing cable gland worldwide (VentGLAND)
- 2010** WISKA launches a membrane cable entry with strain relief (CLIXX)
- 2013** Comprehensive range for diverse industries, such as wind and solar energy, traffic engineering, shipbuilding, offshore, lighting technology, mechanical engineering, chemical and food industry

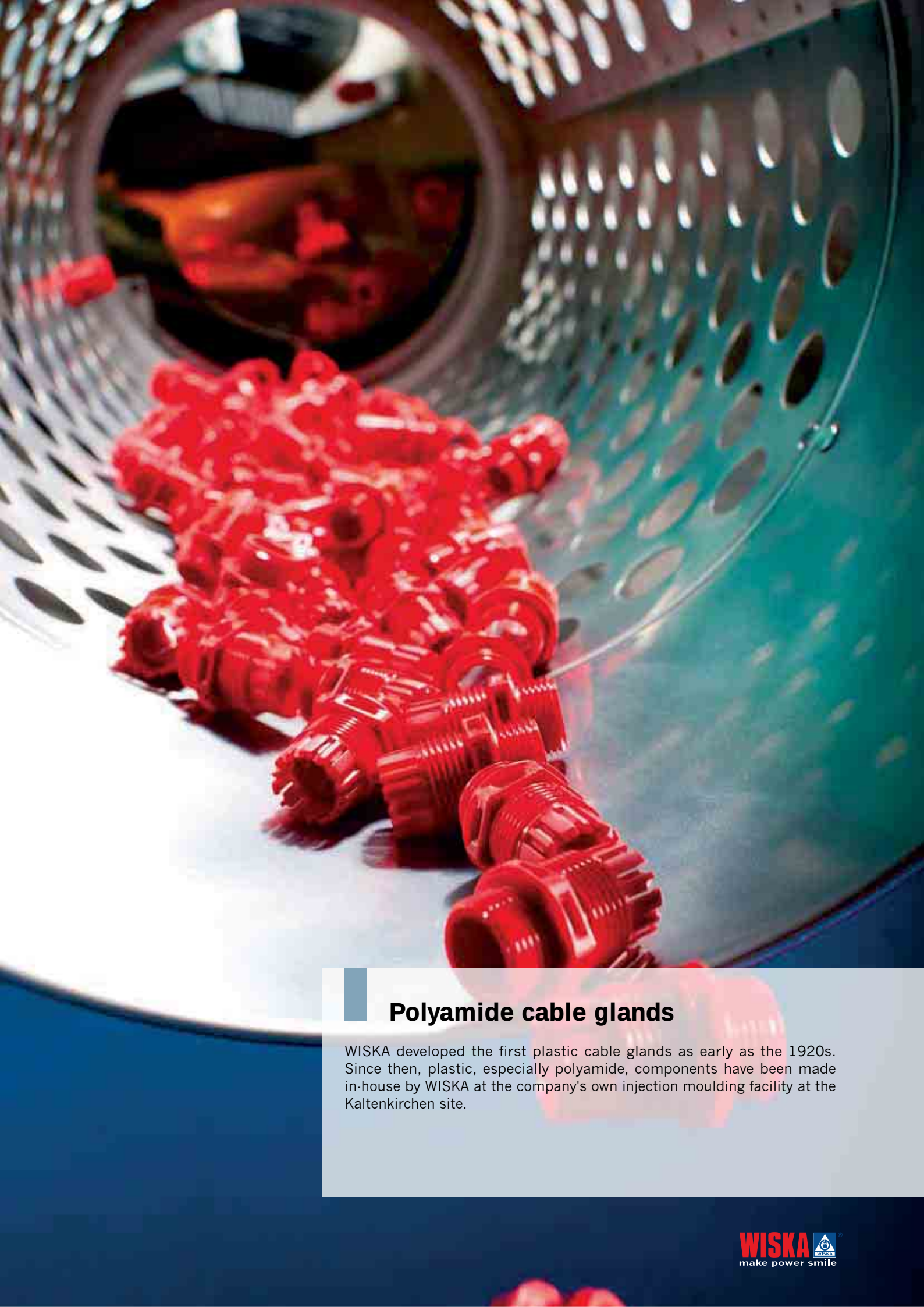


Quality comes from within

Safety, reliability, user-friendliness – that's what our customers expect from WISKA products. In order to fulfil these requirements, every process is controlled by WISKA. Materials selection and purchasing, research and development, production, testing procedures, consulting, sales, logistics, after-sales service – everything is provided by WISKA, and is controlled by tight quality management.

In Kaltenkirchen, WISKA has up-to-date production facilities and its own comprehensive research and development expertise. The company has invested heavily in, amongst other things, a new testing laboratory, plastic production, a logistics centre and a light assembly facility. WISKA has certified its quality management system according to ISO 9001:2008.





Polyamide cable glands

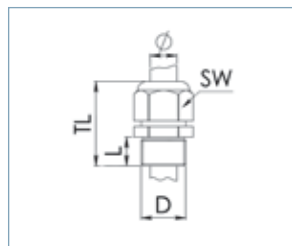
WISKA developed the first plastic cable glands as early as the 1920s. Since then, plastic, especially polyamide, components have been made in-house by WISKA at the company's own injection moulding facility at the Kaltenkirchen site.

SPRINT cable glands, ESKV, metric, EN 50262

ESKV



ESKV-L



Protection class: IP 68, 5 bar 30 min / IP 69K
Glow wire test: 750 °C
Temperature range: -40 °C - 100 °C
Material: Gland: Polyamide, Gasket: EPDM

ESKV

Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005	 D (mm)	 L (mm)	 (mm)	 SW (mm)	TL (mm)	
ESKV 12	10066410	10066380	10066120	M 12x1,5	9	3 · 7	16	29 · 34	50
ESKV 16	10066411	10066381	10066121	M 16x1,5	9	4,5 · 10	20	31 · 37	50
ESKV 20	10066412	10066382	10066122	M 20x1,5	10	6 · 13	24	36 · 45	50
ESKV 20 PLUS*	10061789	10061865	10061864	M 20x1,5	10	7,5 · 14	24	36 · 45	50
ESKV 25	10066413	10066383	10066123	M 25x1,5	10	9 · 17	29	38 · 47	50
ESKV 32	10066414	10066384	10066124	M 32x1,5	12	13 · 21	36	42 · 51	25
ESKV 40	10066415	10066385	10066125	M 40x1,5	12	16 · 28	46	52 · 65	10
ESKV 50	10066416	10066386	10066126	M 50x1,5	14	21 · 35	55	59 · 72	4
ESKV 63	10066417	10066387	10066127	M 63x1,5	15	34 · 48	68	64 · 78	3

ESKV-L, long

Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005	 D (mm)	 L (mm)	 (mm)	 SW (mm)	TL (mm)	
ESKV-L 12	10066390	10066516	10066500	M 12x1,5	15	3 · 7	16	35 · 40	50
ESKV-L 16	10066391	10066517	10066501	M 16x1,5	15	4,5 · 10	20	37 · 43	50
ESKV-L 20	10066392	10066518	10066502	M 20x1,5	15	6 · 13	24	41 · 50	50
ESKV-L 25	10066393	10066519	10066503	M 25x1,5	15	9 · 17	29	43 · 52	50
ESKV-L 32	10066394	10066520	10066504	M 32x1,5	15	13 · 21	36	45 · 54	25
ESKV-L 40	10066395	10066521	10066505	M 40x1,5	18	16 · 28	46	58 · 71	10
ESKV-L 50	10066396	10066522	10066506	M 50x1,5	18	21 · 35	55	63 · 76	10
ESKV-L 63	10066397	10066523	10066507	M 63x1,5	18	34 · 48	68	67 · 81	10

Recommended accessories

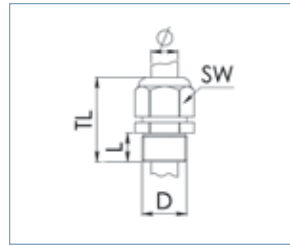
				
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SPRINT cable glands LowTemp, ESKV LT, metric, EN 50262

ESKV LT



ESKV-L LT



Protection class: IP 68, 5 bar 30 min / IP 69K
Glow wire test: 750 °C
Temperature range: -60 °C - 100 °C
Material: Gland: Polyamide, Gasket: Silicone

ESKV LT

Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005					TL (mm)	
ESKV 12 LT	10062763	10061917	10061490	M 12x1,5	9	3 · 7	16	29 · 34	50
ESKV 16 LT	10062777	10061957	10061499	M 16x1,5	9	4,5 · 10	20	31 · 37	50
ESKV 20 LT	10062778	10061121	10061509	M 20x1,5	10	6 · 13	24	36 · 45	50
ESKV 25 LT	10062779	10061463	10061518	M 25x1,5	10	9 · 17	29	38 · 47	50
ESKV 32 LT	10062780	10061491	10061799	M 32x1,5	12	13 · 21	36	42 · 51	25
ESKV 40 LT	10062781	10061500	10061853	M 40x1,5	12	16 · 28	46	52 · 65	10
ESKV 50 LT	10062782	10061510	10061866	M 50x1,5	14	21 · 35	55	59 · 72	4
ESKV 63 LT	10062800	10061644	10061911	M 63x1,5	15	34 · 48	68	64 · 78	3

ESKV-L LT, long

Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005					TL (mm)	
ESKV-L 12 LT	10062737	10061512	10061690	M 12x1,5	15	3 · 7	16	35 · 40	50
ESKV-L 16 LT	10062738	10061691	10061855	M 16x1,5	15	4,5 · 10	20	37 · 43	50
ESKV-L 20 LT	10062739	10061860	10061868	M 20x1,5	15	6 · 13	24	41 · 50	50
ESKV-L 25 LT	10062758	10061869	10061907	M 25x1,5	15	9 · 17	29	43 · 52	50
ESKV-L 32 LT	10062759	10061908	10061919	M 32x1,5	15	13 · 21	36	45 · 54	25
ESKV-L 40 LT	10062760	10061951	10061950	M 40x1,5	18	16 · 28	46	58 · 71	10
ESKV-L 50 LT	10062761	10061494	10061493	M 50x1,5	18	21 · 35	55	63 · 76	10
ESKV-L 63 LT	10062762	10061504	10061502	M 63x1,5	18	34 · 48	68	67 · 76	10

Recommended accessories

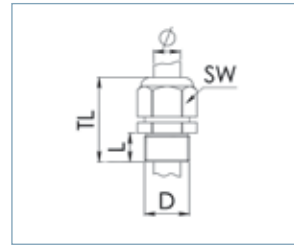
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SPRINT cable glands with accessories, ESKV, metric, EN 50262

ESKV-SET



ESKV-RDE



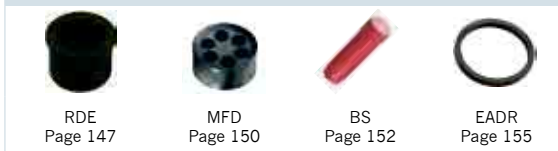
Protection class: IP 68, 5 bar 30 min / IP 69K
Glow wire test: 750 °C
Temperature range: -40 °C - 100 °C
Material: Gland: Polyamide, Gasket: EPDM

ESKV-SET, with locknut

Type	WISKA-No. RAL 7035					TL (mm)	
ESKV-SET 12	10066524	M 12x1,5	9	3 - 7	16	29 - 34	50
ESKV-SET 16	10066525	M 16x1,5	9	4,5 - 10	20	31 - 37	50
ESKV-SET 20	10066526	M 20x1,5	10	6 - 13	24	36 - 45	50
ESKV-SET 25	10066527	M 25x1,5	10	9 - 17	29	38 - 47	50
ESKV-SET 32	10066528	M 32x1,5	12	13 - 21	36	42 - 51	25
ESKV-SET 40	10066529	M 40x1,5	12	16 - 28	46	52 - 65	10
ESKV-SET 50	10066530	M 50x1,5	14	21 - 35	55	59 - 72	4
ESKV-SET 63	10066531	M 63x1,5	15	34 - 48	68	64 - 78	3

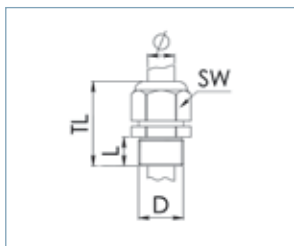
ESKV-RDE, with reduction sealing insert

Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005					TL (mm)	
ESKV-RDE 12	10064976	10064984	10064992	M 12x1,5	9	1 - 7	16	29 - 34	50
ESKV-RDE 16	10064977	10064985	10064993	M 16x1,5	9	2 - 10	20	31 - 37	50
ESKV-RDE 20	10064978	10064986	10064994	M 20x1,5	10	4 - 13	24	36 - 45	50
ESKV-RDE 25	10064979	10064987	10064995	M 25x1,5	10	7 - 17	29	38 - 47	50
ESKV-RDE 32	10064980	10064988	10064996	M 32x1,5	12	9 - 21	36	42 - 51	25
ESKV-RDE 40	10064981	10064989	10064997	M 40x1,5	12	12 - 28	46	52 - 65	10
ESKV-RDE 50	10064982	10064990	10064998	M 50x1,5	14	16 - 35	55	59 - 72	4
ESKV-RDE 63	10064983	10064991	10064999	M 63x1,5	15	28 - 48	68	64 - 78	3

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SPRINT cable glands flame-retardant, ESKV-F, metric, EN 50262

ESKV-F



SPRINT

**Protection class:** IP 68, 5 bar 30 min / IP 69K**Glow wire test:** 960 °C**Temperature range:** -40 °C - 100 °C**Material:** Gland: Polyamide, flame-retardant, Gasket: EPDM

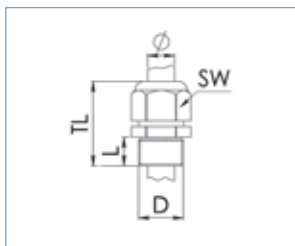
Type	WISKA-No. RAL 7035			 (mm)	 (mm)	TL (mm)	
ESKV-F 12	10064626	M 12x1,5	9	3 · 7	16	29 · 34	50
ESKV-F 16	10064627	M 16x1,5	9	4,5 · 10	20	31 · 37	50
ESKV-F 20	10064628	M 20x1,5	10	6 · 13	24	36 · 45	50
ESKV-F 25	10064629	M 25x1,5	10	9 · 17	29	38 · 47	50
ESKV-F 32	10064630	M 32x1,5	12	13 · 21	36	42 · 51	25
ESKV-F 40	10064631	M 40x1,5	12	16 · 28	46	52 · 65	10
ESKV-F 50	10064632	M 50x1,5	14	21 · 35	55	59 · 72	4
ESKV-F 63	10064633	M 63x1,5	15	34 · 48	68	64 · 78	3

Recommended accessoriesEMUF
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Cable glands with strain relief, SKV, PG



SKV



Protection class: IP 68, 5 bar 30 min
Glow wire test: 750 °C
Temperature range: -40 °C · 100 °C
Material: Gland: Polyamide, Gasket: EPDM

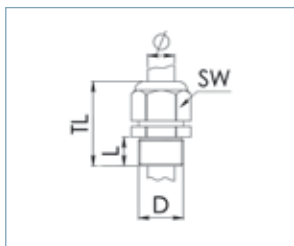
Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005					TL (mm)	
SKV 7	10066400	10066001	10066191	PG 7	9	3 · 6	15	28 · 32	50
SKV 9	10066401	10066002	10066192	PG 9	9	4 · 8	19	32 · 36	50
SKV 11	10066402	10066003	10066193	PG 11	9	5 · 10	22	33 · 39	50
SKV 13,5	10066403	10066004	10066194	PG 13,5	10	6 · 12	24	35 · 41	50
SKV 16	10066404	10066005	10066195	PG 16	11	8 · 14	27	38 · 44	50
SKV 21	10066405	10066006	10066196	PG 21	11	10 · 18	33	43 · 50	25
SKV 29	10066406	10066007	10066197	PG 29	12	16 · 25	42	47 · 56	20
SKV 36	10066407	10066008	10066198	PG 36	14	22 · 32	53	56 · 65	10
SKV 42	10066408	10066009	10066199	PG 42	14	28 · 38	60	58 · 67	5
SKV 48	10066409	10066010	10066200	PG 48	15	36 · 44	65	60 · 68	4

Recommended accessories

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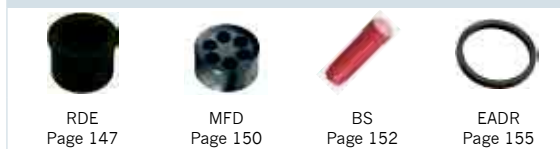
SPRINT cable glands, NSKV, NPT

NSKV



Protection class: IP 68, 5 bar 30 min / IP 69K
Glow wire test: 750 °C
Temperature range: -40 °C · 100 °C
Material: Gland: Polyamide, Gasket: EPDM

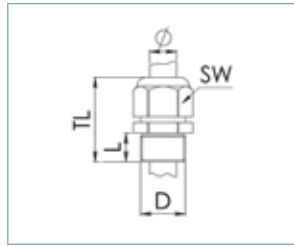
Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005	D (mm)	L (mm)	Ø (mm)	SW (mm)	TL (mm)	
NSKV 1/4	10062655	10061854	NPT 1/4"	15	3 · 7	16	33 · 38	50
NSKV 3/8	10062656	10061867	NPT 3/8	15	4,5 · 10	20	35 · 41	50
NSKV 1/2	10062657	10061906	NPT 1/2"	15	6 · 13	24	42 · 51	50
NSKV 3/4	10062658	10061918	NPT 3/4"	15	9 · 17	29	44 · 53	50
NSKV 1	10062659	10061041	NPT 1"	15	13 · 21	36	50 · 59	25
NSKV 1 1/4	10062731	10061492	NPT 1 1/4"	18	16 · 28	46	60 · 73	10
NSKV 1 1/2	10062732	10061501	NPT 1 1/2"	18	21 · 35	55	65 · 78	4
NSKV 2	10062736	10061511	NPT 2"	18	34 · 48	68	69 · 83	3

Recommended accessoriesRDE
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SPRINT cable glands LowTemp, NSKV LT, NPT



NSKV LT



Protection class: IP 68, 5 bar 30 min / IP 69K
Glow wire test: 750 °C
Temperature range: -60 °C - 100 °C
Material: Gland: Polyamide, Gasket: Silicone

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005	D (mm)	L (mm)	SW (mm)	TL (mm)	
NSKV 1/4 LT	10061513	10061495	NPT 1/4"	15	3 · 7	16	34 · 39
NSKV 3/8 LT	10061694	10061505	NPT 3/8	15	4,5 · 10	20	36 · 43
NSKV 1/2 LT	10061861	10061514	NPT 1/2"	15	6 · 13	24	42 · 51
NSKV 3/4 LT	10061870	10061745	NPT 3/4"	15	9 · 17	29	44 · 53
NSKV 1 LT	10061909	10061862	NPT 1"	15	13 · 21	36	50 · 59
NSKV 1 1/4 LT	10061952	10061910	NPT 1 1/4"	18	16 · 28	46	60 · 72
NSKV 1 1/2 LT	10061972	10061953	NPT 1 1/2"	18	21 · 35	55	65 · 79
NSKV 2 LT	10061435	10061496	NPT 2"	18	34 · 48	68	69 · 84

Recommended accessories



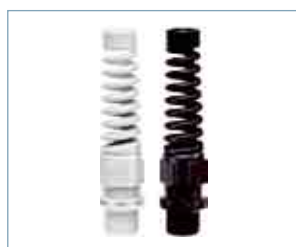
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SPRINT cable glands with bend protection



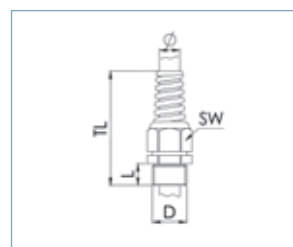
ESKVS



ESKVS-L



SKVS



Protection class: IP 68, 5 bar 30 min / IP 69K
Glow wire test: 750 °C
Temperature range: -40 °C · 100 °C
Material: Gland: Polyamide, Gasket: EPDM

ESKVS, metric, EN 50262

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005					TL (mm)	
ESKVS 12	10060757	10061276	M 12x1,5	9	3 · 7	16	72 · 77	100
ESKVS 16	10060758	10061277	M 16x1,5	9	4,5 · 10	20	82 · 88	100
ESKVS 20	10060759	10061278	M 20x1,5	10	6 · 13	24	103 · 112	50
ESKVS 25	10060760	10061279	M 25x1,5	10	9 · 17	29	119 · 128	25
ESKVS 32	10060761	10061283	M 32x1,5	12	13 · 21	36	138 · 147	10

ESKVS-L, metric, long, EN 50262

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005					TL (mm)	
ESKVS-L 12	10061210	10061215	M 12x1,5	15	3 · 7	16	78 · 83	100
ESKVS-L 16	10061211	10061216	M 16x1,5	15	4,5 · 10	20	88 · 94	100
ESKVS-L 20	10061212	10061217	M 20x1,5	15	6 · 13	24	108 · 117	50
ESKVS-L 25	10061213	10061219	M 25x1,5	15	9 · 17	29	124 · 133	25
ESKVS-L 32	10061214	10061220	M 32x1,5	15	13 · 21	36	141 · 150	10

SKVS, strain relief, PG

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005					TL (mm)	
SKVS 7	10060615	10061871	PG 7	8	3 · 6,5	15	68	100
SKVS 9	10060616	10061872	PG 9	8	4 · 8	19	80	100
SKVS 11	10060617	10061873	PG 11	8	5 · 10	22	92	50
SKVS 13,5	10060618	10061874	PG 13,5	9	6 · 12	24	105	25
SKVS 16	10060619	10061875	PG 16	10	10 · 14	27	119	25
SKVS 21	10060620	10061876	PG 21	11	13 · 18	33	139	10

Recommended accessories

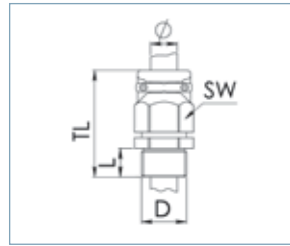
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SPRINT cable glands with external strain relief, ESKVZ, metric, EN 50262

ESKVZ



ESKVZ-L



Protection class: IP 68, 5 bar 30 min / IP 69K
Glow wire test: 750 °C
Temperature range: -40 °C - 100 °C
Material: Gland: Polyamide, Gasket: EPDM

ESKVZ

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005	 D (mm)	 L (mm)	 (mm)	 SW (mm)	TL (mm)	
ESKVZ 12	10060722	10061475	M 12x1,5	9	3 - 7	16	38 - 43	100
ESKVZ 16	10060723	10061476	M 16x1,5	9	4,5 - 10	20	40 - 46	100
ESKVZ 20	10060724	10061477	M 20x1,5	10	6 - 13	24	49 - 58	50
ESKVZ 25	10060725	10061478	M 25x1,5	10	9 - 17	29	51 - 60	25
ESKVZ 32	10060727	10061479	M 32x1,5	12	13 - 21	36	57 - 66	10

ESKVZ-L, long

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005	 D (mm)	 L (mm)	 (mm)	 SW (mm)	TL (mm)	
ESKVZ-L 12	10061465	10061470	M 12x1,5	15	3 - 7	16	44 - 49	100
ESKVZ-L 16	10061466	10061471	M 16x1,5	15	4,5 - 10	20	46 - 52	100
ESKVZ-L 20	10061467	10061472	M 20x1,5	15	6 - 13	24	54 - 63	50
ESKVZ-L 25	10061468	10061473	M 25x1,5	15	9 - 17	29	56 - 65	25
ESKVZ-L 32	10061469	10061474	M 32x1,5	15	13 - 21	36	60 - 69	10

Recommended accessories

				
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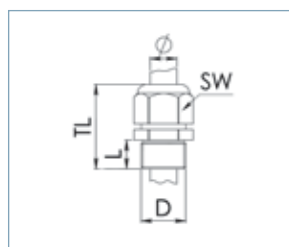
Cable glands with strain relief, WISKONUS, metric



WISKONUS



WISKONUS SET



Protection class: IP 66
Temperature range: -20 °C - 80 °C
Material: Gland: Polyamide, Gasket: EPDM

WISKONUS

Type	WISKA-No. RAL 7035					TL (mm)	
WISKONUS 12	10063257	M 12x1,5	9	4 - 6	15	28 - 32	50
WISKONUS 16	10063258	M 16x1,5	9	5 - 8	19	32 - 36	50
WISKONUS 20	10063259	M 20x1,5	10	7 - 12	24	35 - 41	50
WISKONUS 25	10063260	M 25x1,5	11	9 - 14	27	38 - 44	50
WISKONUS 32	10063261	M 32x1,5	11	13 - 17	33	43 - 50	25
WISKONUS 40	10063262	M 40x1,5	12	17 - 24	42	47 - 56	10
WISKONUS 50	10063263	M 50x1,5	14	23 - 32	53	56 - 65	4
WISKONUS 63	10063264	M 63x1,5	15	37 - 44	65	60 - 68	3

WISKONUS-SET, with locknut

Type	WISKA-No. RAL 7035					TL (mm)	
WISKONUS-SET 12	10063249	M 12x1,5	9	4 - 6	15	28 - 32	50
WISKONUS-SET 16	10063250	M 16x1,5	9	5 - 8	19	32 - 36	50
WISKONUS-SET 20	10063251	M 20x1,5	10	7 - 12	24	35 - 41	50
WISKONUS-SET 25	10063252	M 25x1,5	11	9 - 14	27	38 - 44	50
WISKONUS-SET 32	10063253	M 32x1,5	11	13 - 17	33	43 - 50	25
WISKONUS-SET 40	10063254	M 40x1,5	12	17 - 24	42	47 - 56	10
WISKONUS-SET 50	10063255	M 50x1,5	14	23 - 32	53	56 - 65	4
WISKONUS-SET 63	10063256	M 63x1,5	15	37 - 44	65	60 - 68	3

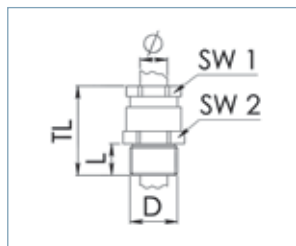
Recommended accessories

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CONE cable glands, KVG, PG



KVG



Protection class:
Temperature range:
Material:

IP 54
-20 °C - 80 °C
Polyamide, fibre reinforced

Type	WISKA-No. RAL 7035	 D (mm)	 L (mm)	 (mm)	 SW 1 (mm)	 SW 2 (mm)	TL (mm)	
KVG 7	10060141	PG 7	8	3,5 - 6	13	15	28	50
KVG 9	10060142	PG 9	8	4,5 - 7	16	19	30	50
KVG 11	10060143	PG 11	8	6 - 9	19	22	31	50
KVG 13,5	10060144	PG 13,5	9	9 - 12	21	24	35	50
KVG 16	10060145	PG 16	10	11 - 14	23	27	38	50
KVG 21	10060146	PG 21	11	14 - 18	30	33	43	25
KVG 29	10060147	PG 29	11	18 - 25	40	42	44	20
KVG 36	10060148	PG 36	13	25 - 32	50	53	54	10
KVG 42	10060149	PG 42	13	30 - 38	55	60	57	10
KVG 48	10060150	PG 48	15	38 - 44	60	65	60	5

Recommended accessories



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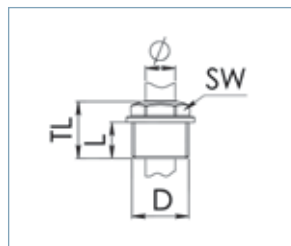
Twisting sleeves, EMN, metric



EMN



EMN-O

**Protection class:**

IP 54

Temperature range:

-20 °C · 80 °C

Material:

Polyethylene

EMN, without aperture

Type	WISKA-No. RAL 7035					TL (mm)	
EMN 12	50061000	M 12x1,5	10	3,5 · 6	12	17	100
EMN 16	50061001	M 16x1,5	9	5 · 10	15	17	100
EMN 20	50061002	M 20x1,5	12	8 · 13,5	19	20	50
EMN 25	50061003	M 25x1,5	12	9 · 16	24	22	25
EMN 32	50061004	M 32x1,5	14	11 · 22	30	25	20
EMN 40	50061005	M 40x1,5	16	17 · 24	37	28	20
EMN 50	50061006	M 50x1,5	18	22 · 35	46	31	10
EMN 63	50061007	M 63x1,5	20	24 · 43	56	37	5

EMN-O, with aperture

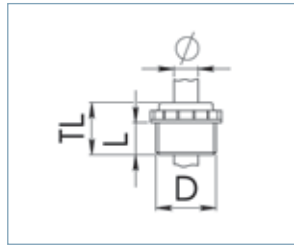
Type	WISKA-No. RAL 7035					TL (mm)	
EMN-O 12	50062292	M 12x1,5	10	3,5 · 6	12	17	100
EMN-O 16	50062293	M 16x1,5	9	5 · 10	15	17	100
EMN-O 20	50062294	M 20x1,5	12	8 · 13,5	19	20	50
EMN-O 25	50062295	M 25x1,5	12	9 · 16	24	22	25
EMN-O 32	50062296	M 32x1,5	14	11 · 22	30	25	20
EMN-O 40	50062297	M 40x1,5	16	17 · 24	37	28	20
EMN-O 50	50062298	M 50x1,5	18	22 · 35	46	31	10
EMN-O 63	50062299	M 63x1,5	20	24 · 43	56	37	5

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Twisting sleeves, without aperture, PG



MN



Protection class:
Temperature range:
Material:

IP 54
 -20 °C · 80 °C
 Polyethylene

Type	WISKA-No. RAL 7035	 D (mm)	 (mm)	 (mm)	TL (mm)	
MN 9	10060748	PG 9	9	6 · 8	16	100
MN 11	10060749	PG 11	9,5	7 · 10	18,5	100
MN 13,5	10060750	PG 13,5	11,5	9 · 12	21	100
MN 16	10060751	PG 16	12	9 · 14	22	100
MN 21	10060752	PG 21	14	11 · 17	24,5	50
MN 29	10060753	PG 29	15	17 · 24	25	25
MN 36	10060754	PG 36	18,5	24 · 35	31,5	15
MN 42	10060755	PG 42	22,5	31 · 39	36,5	8
MN 48	10060756	PG 48	24	22 · 43	43	5

Recommended accessories



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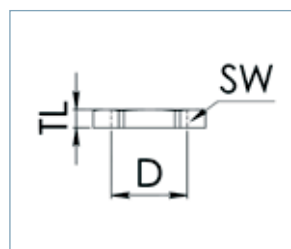
Locknuts



EMUG



MUG

**Temperature range:**

-40 °C - 100 °C

Material:

Polyamide, fibre reinforced

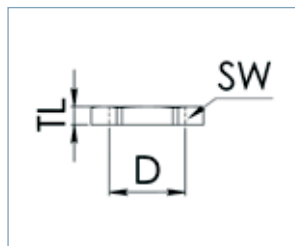
EMUG, metric

Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005			TL (mm)	
EMUG 12	10060770	10062712	10061780	M 12x1,5	18	5	100
EMUG 16	10060771	10062713	10061781	M 16x1,5	22	5	100
EMUG 20	10060772	10062714	10061782	M 20x1,5	27	5	100
EMUG 25	10060773	10062715	10061783	M 25x1,5	32	6	100
EMUG 32	10060774	10062716	10061784	M 32x1,5	40	6	100
EMUG 40	10060775	10062717	10061785	M 40x1,5	50	7	50
EMUG 50	10060776	10062718	10061786	M 50x1,5	60	7	25
EMUG 63	10060777	10062719	10061787	M 63x1,5	75	7	10

MUG, PG

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005			TL (mm)	
MUG 7	10060670	10060680	PG 7	19	5	100
MUG 9	10060671	10060681	PG 9	22	5	100
MUG 11	10060672	10060682	PG 11	24	5	100
MUG 13,5	10060673	10060683	PG 13,5	27	6	100
MUG 16	10060674	10060684	PG 16	30	6	100
MUG 21	10060675	10060685	PG 21	36	7	100
MUG 29	10060676	10060686	PG 29	46	7	50
MUG 36	10060677	10060687	PG 36	60	8	25
MUG 42	10060678	10060688	PG 42	65	8	25
MUG 48	10060679	10060689	PG 48	70	8	10

Locknuts flame-retardant, EMUF, metric



EMUF

**Glow wire test:**

960 °C

Temperature range:

-40 °C · 100 °C

Material:

Polyamide, flame retardant

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005	D (mm)	SW (mm)	TL (mm)	
EMUF 12	10060810	10061770	M 12x1,5	18	5	100
EMUF 16	10060811	10061771	M 16x1,5	22	5	100
EMUF 20	10060812	10061772	M 20x1,5	27	5	100
EMUF 25	10060813	10061773	M 25x1,5	32	6	100
EMUF 32	10060814	10061774	M 32x1,5	40	6	100
EMUF 40	10060815	10061775	M 40x1,5	50	7	50
EMUF 50	10060816	10061776	M 50x1,5	60	7	25
EMUF 63	10060817	10061777	M 63x1,5	75	7	10

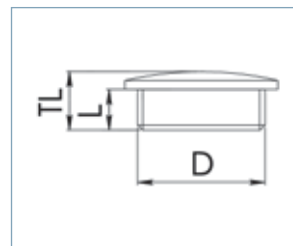
Stop ends



EVSG



VSG



Protection class: IP 56
Temperature range: -40 °C - 100 °C
Material: Polyamide, fibre reinforced

EVSG, metric

Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005			TL (mm)	
EVSG 12	10060624	10062514	10061830	M 12x1,5	6	8	100
EVSG 16	10060625	10062515	10061831	M 16x1,5	6	9	100
EVSG 20	10060626	10062516	10061832	M 20x1,5	6	9,5	100
EVSG 25	10060627	10062517	10061833	M 25x1,5	8	11,5	100
EVSG 32	10060628	10062518	10061834	M 32x1,5	8	12	100
EVSG 40	10060629	10062519	10061835	M 40x1,5	8	13	50
EVSG 50	10060630	10062520	10061836	M 50x1,5	10	15	50
EVSG 63	10060631	10062521	10061837	M 63x1,5	12	17	25

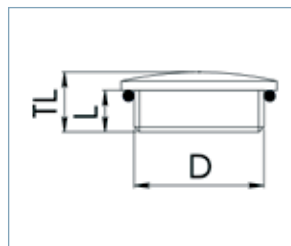
VSG, PG

Type	WISKA-No. RAL 7035			TL (mm)	
VSG 7	50060728	PG 7	6	8	100
VSG 9	50060729	PG 9	6	9	100
VSG 11	50060730	PG 11	6	9	100
VSG 13,5	50060731	PG 13,5	6	9,5	100
VSG 16	10060732	PG 16	6	9,5	100
VSG 21	50060733	PG 21	8	11	100
VSG 29	50060734	PG 29	8	12	100
VSG 36	50060735	PG 36	10	15	25
VSG 42	50060736	PG 42	10	16	25
VSG 48	50060737	PG 48	12	16	25

Recommended accessories

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Stop ends with mounted O-ring seal, EVSG-ORD, metric



EVSG-ORD



Protection class:
Temperature range:
Material:

IP 68
 -40 °C - 100 °C
 Stop end: Polyamide, fibre reinforced, Gasket: EPDM

Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005	 D (mm)	 L (mm)	TL (mm)	
EVSG-ORD 12	10064634	10064650	10064642	M 12x1,5	6	8	100
EVSG-ORD 16	10064635	10064651	10064643	M 16x1,5	6	9	100
EVSG-ORD 20	10064636	10064652	10064644	M 20x1,5	6	9,5	100
EVSG-ORD 25	10064637	10064653	10064645	M 25x1,5	8	11,5	100
EVSG-ORD 32	10064638	10064654	10064646	M 32x1,5	8	12	100
EVSG-ORD 40	10064639	10064655	10064647	M 40x1,5	8	13	50
EVSG-ORD 50	10064640	10064656	10064648	M 50x1,5	10	15	50
EVSG-ORD 63	10064641	10064657	10064649	M 63x1,5	12	17	25

Recommended accessories

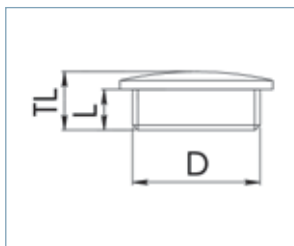


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Stop ends flame-retardant, EVSF, metric



EVSF



Protection class: IP 56
Glow wire test: 960 °C
Temperature range: -40 °C - 100 °C
Material: Polyamide, flame retardant

Type	WISKA-No. RAL 7035			TL (mm)	
EVSF 12	10064666	M 12x1,5	6	8	100
EVSF 16	10064667	M 16x1,5	6	9	100
EVSF 20	10064668	M 20x1,5	6	9,5	100
EVSF 25	10064669	M 25x1,5	8	10	100
EVSF 32	10064670	M 32x1,5	8	13,5	100
EVSF 40	10064671	M 40x1,5	8	15	50
EVSF 50	10064672	M 50x1,5	10	16	50
EVSF 63	10064673	M 63x1,5	12	16	25

Recommended accessories



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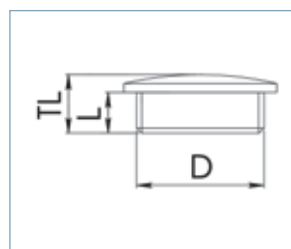
Stop ends



EVS



VS



Protection class:

IP 56

Temperature range:

-20 °C - 60 °C

Material:

Polystyrene, impact resistant

EVS, metric

Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005			TL (mm)	
EVS 12	10062490	10064658	10062498	M 12x1,5	6	8	100
EVS 16	10062491	10064659	10062499	M 16x1,5	6	9	100
EVS 20	10062492	10064660	10062500	M 20x1,5	6	9,5	100
EVS 25	10062493	10064661	10062501	M 25x1,5	8	11,5	100
EVS 32	10062494	10064662	10062502	M 32x1,5	8	12	100
EVS 40	10062495	10064663	10062503	M 40x1,5	8	13	50
EVS 50	10062496	10064664	10062504	M 50x1,5	10	15	50
EVS 63	10062497	10064665	10062505	M 63x1,5	12	17	25

VS, PG

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005			TL (mm)	
VS 7	50060708	50061761	PG 7	6	8	100
VS 9	50060709	50061762	PG 9	6	9	100
VS 11	50060710	50061763	PG 11	6	9	100
VS 13,5	50060711	50061764	PG 13,5	6	9,5	100
VS 16	10060712	10061642	PG 16	6	9,5	100
VS 21	50060713	50061765	PG 21	8	11	100
VS 29	50060714	50061766	PG 29	8	12	100
VS 36	50060715	50061767	PG 36	10	15	25
VS 42	50060716	50061768	PG 42	10	16	25
VS 48	50060717	50061769	PG 48	12	16	25

Recommended accessories



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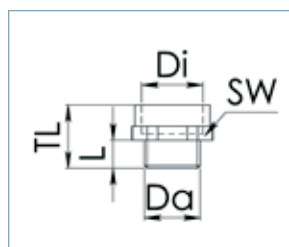
Enlargement adaptors



KEM



KEP

**Temperature range:**

-40 °C - 100 °C

Material:

Polyamide, fibre reinforced

KEM, metric-metric

Type	WISKA-No. RAL 7035					TL (mm)	
KEM 12/16	10063570	M 12x1,5	M 16x1,5	9	20	27	100
KEM 16/20	10063571	M 16x1,5	M 20x1,5	9	24	27	100
KEM 20/25	10063572	M 20x1,5	M 25x1,5	9	29	27	100
KEM 25/32	10063573	M 25x1,5	M 32x1,5	10	36	28	100
KEM 32/40	10063574	M 32x1,5	M 40x1,5	12	46	30	50
KEM 40/50	10063575	M 40x1,5	M 50x1,5	12	55	30	25
KEM 50/63	10063576	M 50x1,5	M 63x1,5	14	68	32	5

KEP, PG-PG

Type	WISKA-No. RAL 7035					TL (mm)	
KEP 7/9	10063595	PG 7	PG 9	9	20	27	100
KEP 9/11	10063596	PG 9	PG 11	9	22	27	100
KEP 11/13,5	10063597	PG 11	PG 13,5	9	24	27	100
KEP 13,5/16	10063598	PG 13,5	PG 16	10	27	28	100
KEP 16/21	10063599	PG 16	PG 21	10	33	28	50
KEP 21/29	10063600	PG 21	PG 29	12	42	30	25
KEP 29/36	10063601	PG 29	PG 36	12	53	30	20
KEP 36/42	10063602	PG 36	PG 42	14	60	32	10
KEP 42/48	10063603	PG 42	PG 48	14	65	32	5

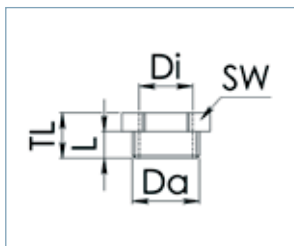
Recommended accessories

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Reduction adaptors, KRM, metric-metric



KRM

**Temperature range:**

-40 °C - 100 °C

Material:

Polyamide, fibre reinforced

Type	WISKA-No. RAL 7035					TL (mm)	
KRM 16/12	10063577	M 16x1,5	M 12x1,5	9	20	16	100
KRM 20/12	10063578	M 20x1,5	M 12x1,5	9	24	16	100
KRM 20/16	10063579	M 20x1,5	M 16x1,5	9	24	27	100
KRM 25/12	10063580	M 25x1,5	M 12x1,5	10	29	17	100
KRM 25/16	10063581	M 25x1,5	M 16x1,5	10	29	17	100
KRM 25/20	10063582	M 25x1,5	M 20x1,5	10	29	17	100
KRM 32/16	10063583	M 32x1,5	M 16x1,5	12	36	19	50
KRM 32/20	10063584	M 32x1,5	M 20x1,5	12	36	19	50
KRM 32/25	10063585	M 32x1,5	M 25x1,5	12	36	19	50
KRM 40/20	10063586	M 40x1,5	M 20x1,5	12	46	19	25
KRM 40/25	10063587	M 40x1,5	M 25x1,5	12	46	19	25
KRM 40/32	10063588	M 40x1,5	M 32x1,5	12	46	19	25
KRM 50/25	10063589	M 50x1,5	M 25x1,5	14	55	21	5
KRM 50/32	10063590	M 50x1,5	M 32x1,5	14	55	21	5
KRM 50/40	10063591	M 50x1,5	M 40x1,5	14	55	21	5
KRM 63/32	10063592	M 63x1,5	M 32x1,5	15	65	22	5
KRM 63/40	10063593	M 63x1,5	M 40x1,5	15	65	22	5
KRM 63/50	10063594	M 63x1,5	M 50x1,5	15	65	22	5

Recommended accessories

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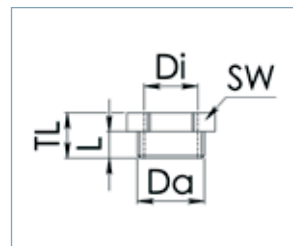
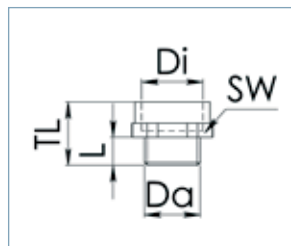
Reduction adaptors, KRP, PG-PG



KRP Form A



KRP Form B



Temperature range:

-40 °C · 100 °C

Material:

Polyamide, fibre reinforced

Type	WISKA-No. RAL 7035	 Da (mm)	 Di (mm)	 TL (mm)	 SW (mm)	TL (mm)	Form	
KRP 9/7	10063604	PG 9	PG 7	9	20	27	A	100
KRP 11/7	10063605	PG 11	PG 7	9	22	16	B	100
KRP 11/9	10063606	PG 11	PG 9	9	22	27	A	100
KRP 13,5/7	10063607	PG 13,5	PG 7	10	24	17	B	100
KRP 13,5/9	10063608	PG 13,5	PG 9	10	24	28	A	100
KRP 13,5/11	10063609	PG 13,5	PG 11	10	24	28	A	100
KRP 16/9	10063610	PG 16	PG 9	10	27	17	B	100
KRP 16/11	10063611	PG 16	PG 11	10	27	28	A	100
KRP 16/13,5	10063612	PG 16	PG 13,5	10	27	28	A	100
KRP 21/11	10063613	PG 21	PG 11	12	33	19	B	100
KRP 21/13,5	10063614	PG 21	PG 13,5	12	33	19	B	100
KRP 21/16	10063615	PG 21	PG 16	12	33	19	B	100
KRP 29/13,5	10063616	PG 29	PG 13,5	12	42	19	B	50
KRP 29/16	10063617	PG 29	PG 16	12	42	19	B	50
KRP 29/21	10063618	PG 29	PG 21	12	42	19	B	50
KRP 36/16	10063619	PG 36	PG 16	14	53	21	B	50
KRP 36/21	10063620	PG 36	PG 21	14	53	21	B	50
KRP 36/29	10063621	PG 36	PG 29	14	53	21	B	10
KRP 42/21	10063622	PG 42	PG 21	14	60	21	B	10
KRP 42/29	10063623	PG 42	PG 29	14	60	21	B	10
KRP 42/36	10063624	PG 42	PG 36	14	60	21	B	10
KRP 48/29	10063625	PG 48	PG 29	15	65	22	B	10
KRP 48/36	10063626	PG 48	PG 36	15	65	22	B	10
KRP 48/42	10063627	PG 48	PG 42	15	65	22	B	10

Recommended accessories

EMUG
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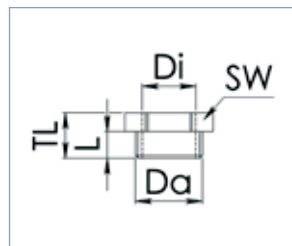
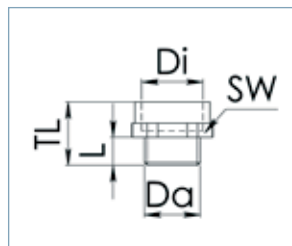
Adaptors, AMP, metric-PG



AMP Form A



AMP Form B



Temperature range:

-40 °C · 100 °C

Material:

Polyamide, fibre reinforced

Type	WISKA-No. RAL 7035					TL (mm)	Form	
AMP 12/7	10063628	M 12x1,5	PG 7	9	16	27	A	25
AMP 12/9	10063629	M 12x1,5	PG 9	9	20	27	A	25
AMP 16/9	10063630	M 16x1,5	PG 9	9	20	27	A	25
AMP 16/11	10063631	M 16x1,5	PG 11	9	22	27	A	25
AMP 16/13,5	10063632	M 16x1,5	PG 13,5	9	24	27	A	25
AMP 20/11	10063633	M 20x1,5	PG 11	9	24	27	A	25
AMP 20/13,5	10063634	M 20x1,5	PG 13,5	9	24	27	A	25
AMP 20/16	10063635	M 20x1,5	PG 16	9	27	27	A	25
AMP 25/13,5	10063636	M 25x1,5	PG 13,5	10	24	17	B	25
AMP 25/16	10063637	M 25x1,5	PG 16	10	29	28	A	25
AMP 25/21	10063638	M 25x1,5	PG 21	10	33	28	A	25
AMP 32/16	10063639	M 32x1,5	PG 16	12	36	19	B	10
AMP 32/21	10063640	M 32x1,5	PG 21	12	36	30	A	10
AMP 32/29	10063641	M 32x1,5	PG 29	12	42	30	A	10
AMP 40/21	10063642	M 40x1,5	PG 21	12	46	19	B	10
AMP 40/29	10063643	M 40x1,5	PG 29	12	46	30	A	10
AMP 40/36	10063644	M 40x1,5	PG 36	12	53	30	A	10
AMP 50/36	10063645	M 50x1,5	PG 36	14	55	32	A	5
AMP 50/42	10063646	M 50x1,5	PG 42	14	60	42	A	5
AMP 50/48	10063647	M 50x1,5	PG 48	14	65	32	A	5
AMP 63/42	10063648	M 63x1,5	PG 42	15	68	22	B	5
AMP 63/48	10063649	M 63x1,5	PG 48	15	68	33	A	5

Recommended accessories

EMUG
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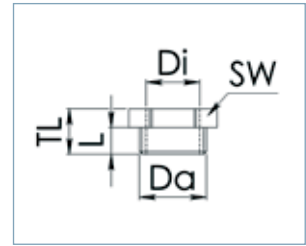
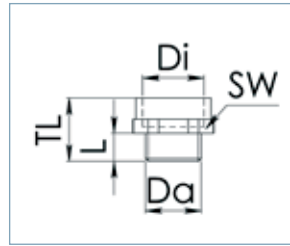
Adaptors, APM, PG-metric



APM Form A



APM Form B



Temperature range:

-40 °C · 100 °C

Material:

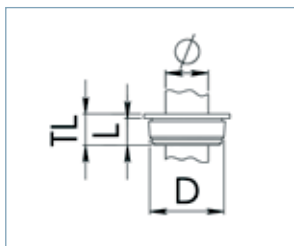
Polyamide, fibre reinforced

Type	WISKA-No. RAL 7035	 D (mm)	 Di (mm)	 L (mm)	 SW (mm)	TL (mm)	Form	
APM 7/12	10063650	PG 7	M 12x1,5	9	16	27	A	25
APM 7/16	10063651	PG 7	M 16x1,5	9	20	27	A	25
APM 9/12	10063652	PG 9	M 12x1,5	9	20	27	A	25
APM 9/16	10063653	PG 9	M 16x1,5	9	20	27	A	25
APM 9/20	10063654	PG 9	M 20x1,5	9	24	27	A	25
APM 11/16	10063655	PG 11	M 16x1,5	9	22	27	A	25
APM 11/20	10063656	PG 11	M 20x1,5	9	24	27	A	25
APM 11/25	10063657	PG 11	M 25x1,5	9	29	27	A	25
APM 13,5/16	10063658	PG 13,5	M 16x1,5	10	24	28	A	25
APM 13,5/20	10063659	PG 13,5	M 20x1,5	10	24	28	A	25
APM 13,5/25	10063660	PG 13,5	M 25x1,5	10	29	28	A	25
APM 16/20	10063661	PG 16	M 20x1,5	10	27	28	A	25
APM 16/25	10063662	PG 16	M 25x1,5	10	29	28	A	25
APM 16/32	10063663	PG 16	M 32x1,5	10	36	28	A	25
APM 21/25	10063664	PG 21	M 25x1,5	12	33	30	A	10
APM 21/32	10063665	PG 21	M 32x1,5	12	36	30	A	10
APM 21/40	10063666	PG 21	M 40x1,5	12	46	30	A	10
APM 29/32	10063667	PG 29	M 32x1,5	12	42	19	B	10
APM 29/40	10063668	PG 29	M 40x1,5	12	46	30	A	10
APM 29/50	10063669	PG 29	M 50x1,5	12	55	30	A	10
APM 36/40	10063670	PG 36	M 40x1,5	14	53	21	B	10
APM 36/50	10063671	PG 36	M 50x1,5	14	55	32	A	10
APM 36/63	10063672	PG 36	M 63x1,5	14	68	32	A	10
APM 42/40	10063673	PG 42	M 40x1,5	14	60	21	B	5
APM 42/50	10063674	PG 42	M 50x1,5	14	60	32	A	5
APM 42/63	10063675	PG 42	M 63x1,5	14	68	32	A	5
APM 48/50	10063676	PG 48	M 50x1,5	15	65	22	B	5
APM 48/63	10063677	PG 48	M 63x1,5	15	68	33	A	5

Recommended accessories

MUG
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Plug spouts, EST



EST

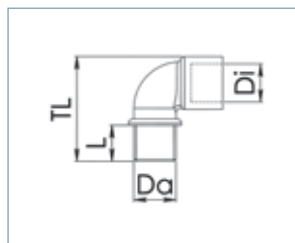


Protection class:
Temperature range:
Material:

IP 66
 -40 °C - 80 °C
 Polyethylene

Type	WISKA-No. RAL 7035			TL (mm)		
EST 16	10062551	16	9,5	11	16,5	100
EST 20	10062552	20	9,5	11	20,5	100
EST 25	10062553	25	9,5	11	25,5	100
EST 32	10062554	32	9,5	11	32,5	100

Elbows 90°, EWI90, metric



EWI 90



Temperature range:
Material:

-40 °C - 100 °C
 Polyamide

Type	WISKA-No. RAL 7035	WISKA-No. RAL 7001	WISKA-No. RAL 9005			TL (mm)	
EWI90 12	10064682	10064692	10064687	M 12x1,5	10	35	50
EWI90 16	10064683	10064693	10064688	M 16x1,5	8	36	50
EWI90 20	10064684	10064694	10064689	M 20x1,5	10,5	42,5	50
EWI90 25	10064685	10064695	10064690	M 25x1,5	15	54	50
EWI90 32	10064686	10064696	10064691	M 32x1,5	14	62	25

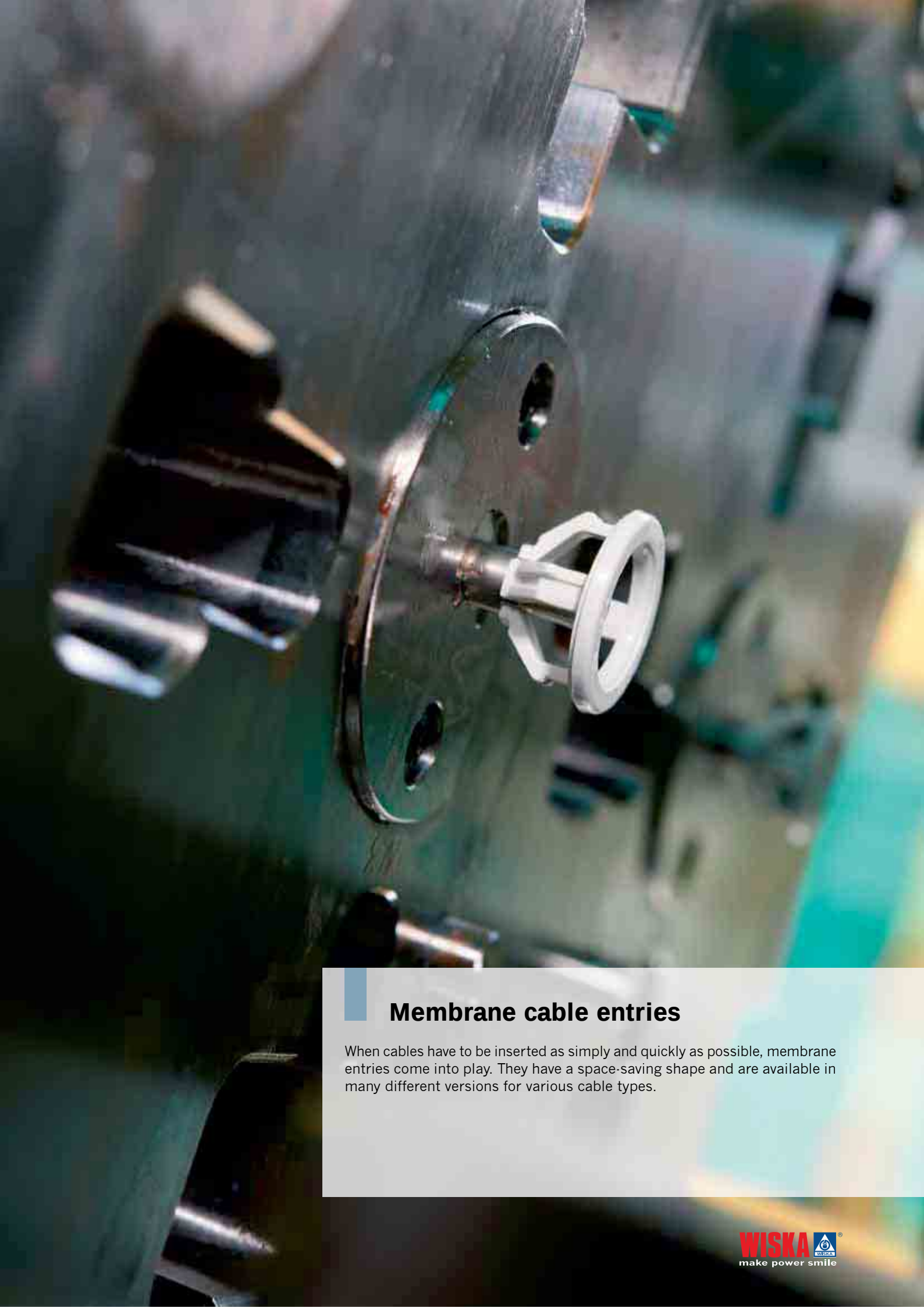
Recommended accessories



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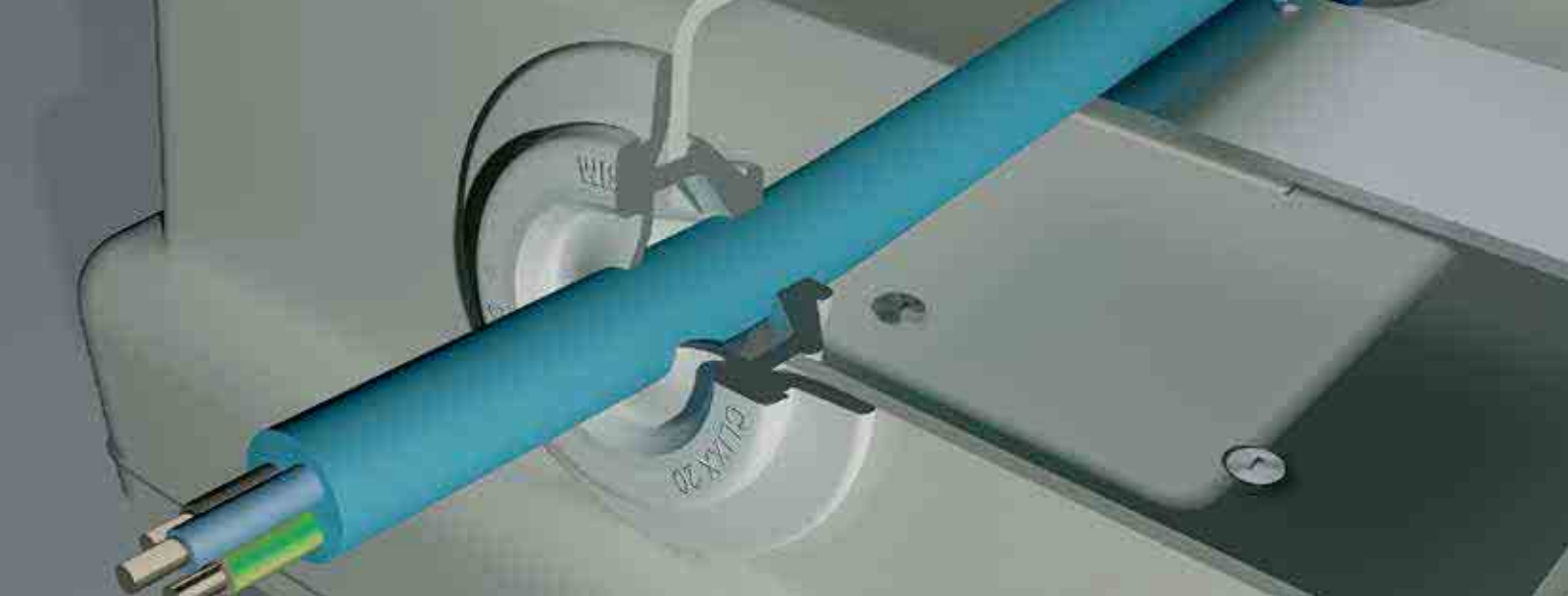


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Membrane cable entries

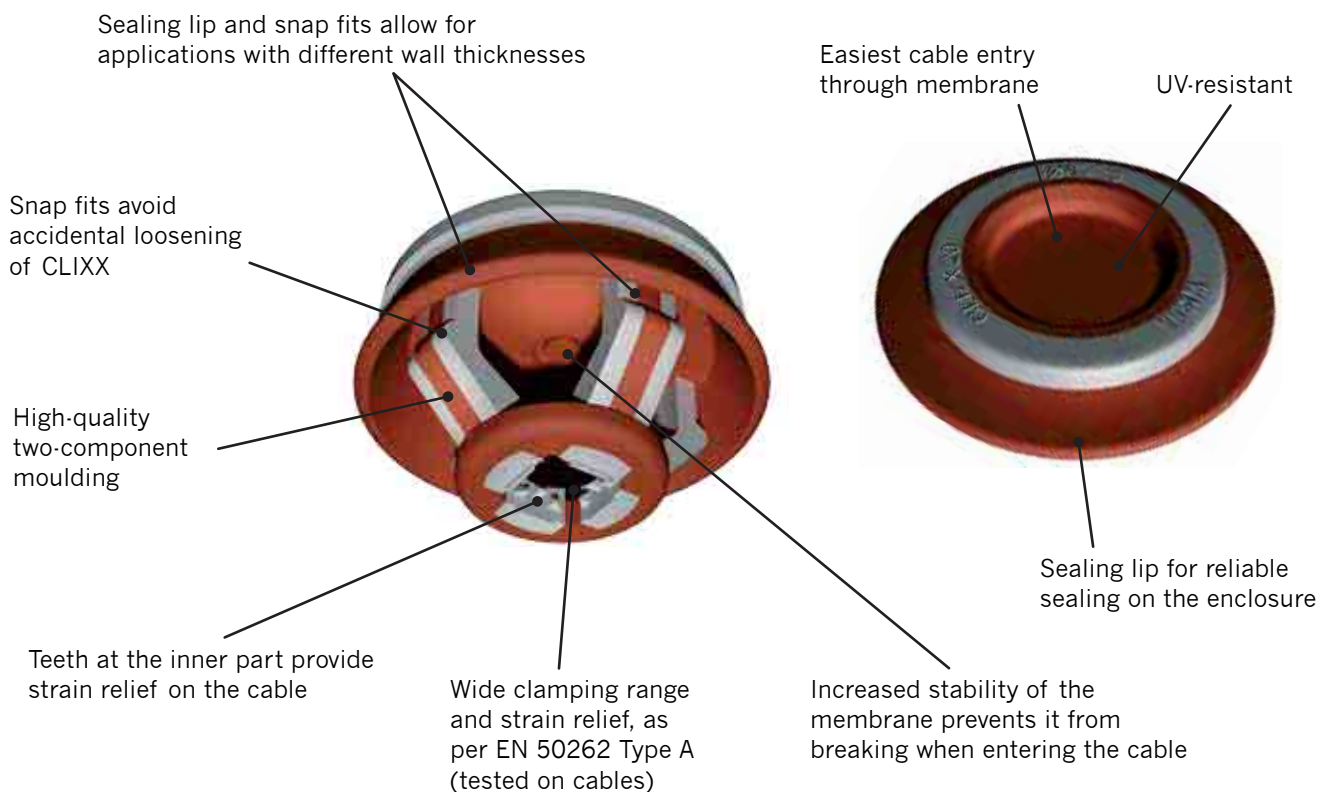
When cables have to be inserted as simply and quickly as possible, membrane entries come into play. They have a space-saving shape and are available in many different versions for various cable types.



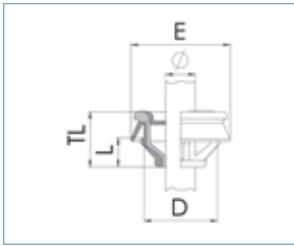
CLIXX – The faster alternative

The patented CLIXX concept consists of two plastic components in only one product. The assembly is done in no time at all – with only one clip of CLIXX. The cable is inserted through the membrane and pulled back. Finished – neither a tool nor a locknut are required.

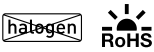
CLIXX is assembled with a time saving of up to 75 percent and can replace cable glands in many areas. Thanks to its flat construction and its discreet design, CLIXX is also ideally suited for installations with tight spaces.



CLIXX membrane cable entries with strain relief



CLIXX



Protection class: IP 66 / 67
Temperature range: -40 °C - 65 °C
Material: Polypropylene, Membrane: TPE

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9001	WISKA-No. RAL 3000	WISKA-No. RAL 9005	 D (mm)	 (mm)	 DD (mm)	 S (mm)	TL (mm)	
CLIXX 16	10101861	10101932	10101931	10101930	16	4 - 10	16,7	0,8 - 3,5	15	50
CLIXX 20	10101359	10101935	10101934	10101933	20	6 - 13	20,7	0,8 - 3,5	15	50
CLIXX 25	10101862	10101938	10101937	10101936	25	9 - 17	25,7	0,8 - 3,5	15	50

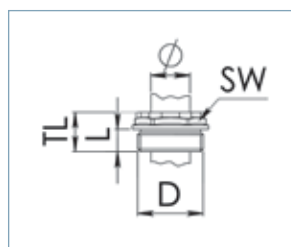
QUIXX membrane cable entries, EMS, metric



EMS



EMS



Protection class: IP 66
Temperature range: -30 °C - 80 °C
Material: Polypropylene, Membrane: TPE

Type	WISKA-No. RAL 7035					TL (mm)	
EMS 16	10062567	M 16x1,5	9	1 - 9	17	15	100
EMS 20	10062568	M 20x1,5	9	1 - 13	20	15	100
EMS 25	10062569	M 25x1,5	9	1 - 18	24	15	100
EMS 32	10062570	M 32x1,5	9	1 - 25	32	15	100

Recommended accessories



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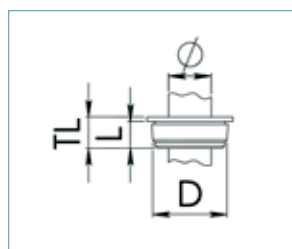
QUIXX membrane cable entries, EMT



EMT



EMT



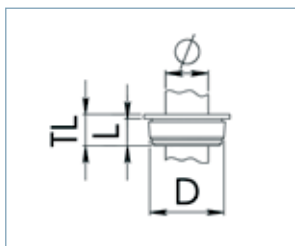
Protection class: IP 66
Temperature range: -40 °C - 80 °C
Material: Polyethylene, Membrane: TPE

Type	WISKA-No. RAL 7035				TL (mm)			
EMT 16	10062559	16	9,5	1 - 9	11	2	16,5	100
EMT 20	10062560	20	9,5	1 - 13	11	2	20,5	100
EMT 25	10062561	25	9,5	1 - 18	11	2	25,5	100
EMT 32	10062562	32	9,5	1 - 25	11	2	32,5	100

QUIXX membrane cable entries flame-retardant, EMT-F



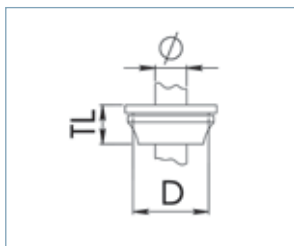
EMT-F



Protection class: IP 66
Glow wire test: 960 °C
Temperature range: -40 °C - 80 °C
Material: Polyethylene, flame retardant, Membrane: TPE

Type	WISKA-No. RAL 9001				TL (mm)			
EMT-F 16	10063008	16	9,5	1 - 9	11	2	16,5	100
EMT-F 20	10063009	20	9,5	1 - 13	11	2	20,5	100
EMT-F 25	10063010	25	9,5	1 - 18	11	2	25,5	100
EMT-F 32	10063011	32	9,5	1 - 25	11	2	32,5	100

FLIP cable grommets, FD



FD



Protection class:
Temperature range:
Material:

IP 66 / 67
-40 °C · 110 °C
EPDM

Type	WISKA-No. RAL 7001	WISKA-No. RAL 9005	 D (mm)	 (mm)	TL (mm)	 DD (mm)	 St (mm)	
FD 12	50062770	50062891	M 12	4 · 7	13	12 · 13	0,5 · 2	50
FD 16	50062771	50062892	M 16	5 · 10	18	15 · 17	1 · 4	50
FD 20	50062772	50062893	M 20	8 · 13	20	20 · 21	1 · 4	50
FD 25	50062773	50062894	M 25	11 · 17	21,5	25 · 26	1 · 4	50
FD 32	50062774	50062895	M 32	15 · 21	25	32 · 33	1 · 4	25
FD 40	50062775	50062896	M 40	19 · 28	30	40 · 41	1 · 4	25
FD 50	50062776	50062897	M 50	27 · 35	35	50 · 51	1 · 4	10



Brass cable glands

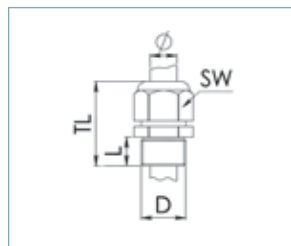
Brass glands are frequently used in the shipping and the offshore industry. However, WISKA also offers individually-optimised products for every other type of use within its cable gland system, including various thread types and protection classes.

SPRINT cable glands, EMSKV, metric, EN 50262

EMSKV



EMSKV-L

**Protection class:**

IP 68, 5 bar 30 min / IP 69K

Temperature range:

-40 °C - 100 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: EPDM

EMSKV

Type	WISKA-No. Ni					TL (mm)	
EMSKV 12	10065000	M 12x1,5	5	3 - 7	16	23 - 30	50
EMSKV 16	10065001	M 16x1,5	5	4,5 - 10	20	26 - 34	50
EMSKV 20	10065002	M 20x1,5	6	6 - 13	24	29 - 37	50
EMSKV 25	10065003	M 25x1,5	7	9 - 17	29	33 - 42	50
EMSKV 32	10065004	M 32x1,5	8	13 - 21	36	36 - 44	25
EMSKV 40	10065005	M 40x1,5	8	16 - 28	46	44 - 55	10
EMSKV 50	10065006	M 50x1,5	9	21 - 35	55	51 - 62	10
EMSKV 63	10065007	M 63x1,5	10	34 - 48	68	56 - 67	10
EMSKV 75	10100865	M 75x1,5	12	48 - 62	82	67 - 81	1

EMSKV-L, long

Type	WISKA-No. Ni					TL (mm)	
EMSKV-L 12	10065008	M 12x1,5	12	3 - 7	16	30 - 37	50
EMSKV-L 16	10065009	M 16x1,5	12	4,5 - 10	20	33 - 41	50
EMSKV-L 20	10065010	M 20x1,5	12	6 - 13	24	35 - 43	50
EMSKV-L 25	10065011	M 25x1,5	12	9 - 17	29	38 - 47	50
EMSKV-L 32	10065012	M 32x1,5	15	13 - 21	36	43 - 51	25
EMSKV-L 40	10065013	M 40x1,5	15	16 - 28	46	51 - 62	10
EMSKV-L 50	10065014	M 50x1,5	15	21 - 35	55	57 - 68	10
EMSKV-L 63	10065015	M 63x1,5	15	34 - 48	68	61 - 72	10

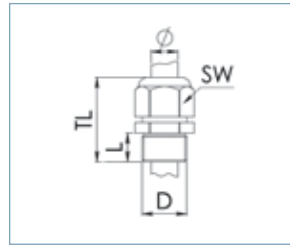
Recommended accessories

SPRINT cable glands LowTemp, EMSKV LT, metric, EN 50262

EMSKV LT



EMSKV-L LT



Protection class: IP 68, 5 bar 30 min / IP 69K
Temperature range: -60 °C - 100 °C
Material: Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: Silicone

EMSKV LT

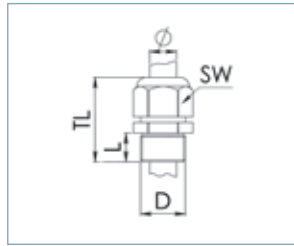
Type	WISKA-No. Ni					TL (mm)	
EMSKV 12 LT	10065800	M 12x1,5	5	3 - 7	16	23 - 30	50
EMSKV 16 LT	10065801	M 16x1,5	5	4,5 - 10	20	26 - 34	50
EMSKV 20 LT	10065802	M 20x1,5	6	6 - 13	24	29 - 37	50
EMSKV 25 LT	10065803	M 25x1,5	7	9 - 17	29	33 - 42	50
EMSKV 32 LT	10065804	M 32x1,5	8	13 - 21	36	36 - 44	25
EMSKV 40 LT	10065805	M 40x1,5	8	16 - 28	46	44 - 55	10
EMSKV 50 LT	10065806	M 50x1,5	9	21 - 35	55	51 - 62	10
EMSKV 63 LT	10065807	M 63x1,5	10	34 - 48	68	56 - 67	10

EMSKV-L LT, long

Type	WISKA-No. Ni					TL (mm)	
EMSKV-L 12 LT	10065808	M 12x1,5	12	3 - 7	16	30 - 37	50
EMSKV-L 16 LT	10065809	M 16x1,5	12	4,5 - 10	20	33 - 41	50
EMSKV-L 20 LT	10065810	M 20x1,5	12	6 - 13	24	35 - 43	50
EMSKV-L 25 LT	10065811	M 25x1,5	12	9 - 17	29	38 - 47	50
EMSKV-L 32 LT	10065812	M 32x1,5	15	13 - 21	36	43 - 51	25
EMSKV-L 40 LT	10065813	M 40x1,5	15	16 - 28	46	51 - 62	10
EMSKV-L 50 LT	10065814	M 50x1,5	15	21 - 35	55	57 - 68	10
EMSKV-L 63 LT	10065815	M 63x1,5	15	34 - 48	68	61 - 72	10

Recommended accessories

SPRINT cable glands with locknut, EMSKV-SET, metric, EN 50262



EMSKV-SET



Protection class:

IP 68, 5 bar 30 min / IP 69K

Temperature range:

-40 °C - 100 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: EPDM

Type	WISKA-No. Ni	 D (mm)	 L (mm)	 (mm)	 SW (mm)	TL (mm)	
EMSKV-SET 12	10065032	M 12x1,5	5	3 - 7	16	23 - 30	50
EMSKV-SET 16	10065033	M 16x1,5	5	4,5 - 10	20	26 - 34	50
EMSKV-SET 20	10065034	M 20x1,5	6	6 - 13	24	29 - 37	50
EMSKV-SET 25	10065035	M 25x1,5	7	9 - 17	29	33 - 42	50
EMSKV-SET 32	10065036	M 32x1,5	8	13 - 21	36	36 - 44	25
EMSKV-SET 40	10065037	M 40x1,5	8	16 - 28	46	44 - 55	10
EMSKV-SET 50	10065038	M 50x1,5	9	21 - 35	55	51 - 62	10
EMSKV-SET 63	10065039	M 63x1,5	10	34 - 48	68	56 - 67	10

Recommended accessories



RDE
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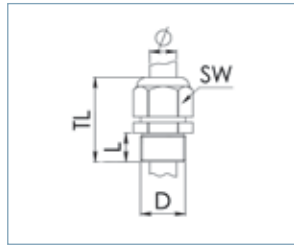
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SPRINT enlarging cable glands, EMSKV, metric, EN 50262

EMSKV

**Protection class:**

IP 68, 5 bar 30 min / IP 69K

Temperature range:

-40 °C - 100 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: EPDM

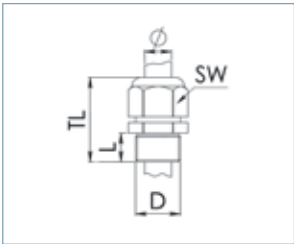
Type	WISKA-No. Ni					TL (mm)	
EMSKV 12-16	10101750	M 12x1,5	5	4,5 · 10	20	26 · 34	50
EMSKV 16-20	10101939	M 16x1,5	5	6 · 13	24	29 · 37	50
EMSKV 20-25	10065255	M 20x1,5	6	9 · 17	29	32 · 41	50
EMSKV 25-32	10065256	M 25x1,5	8	13 · 21	36	39 · 47	50
EMSKV 32-40	10101940	M 32x1,5	8	16 · 28	46	44 · 55	10
EMSKV 40-50	10101365	M 40x1,5	8	21 · 35	55	50 · 61	10
EMSKV 50-63	10101941	M 50x1,5	10	34 · 48	68	56 · 67	10
EMSKV 63-75	10101364	M 63x1,5	10	48 · 62	82	65 · 79	1

Recommended accessoriesEMMU
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Cable glands, MSKV, PG



MSKV



Protection class: IP 68, 5 bar 30 min / IP 69K
Temperature range: -40 °C - 100 °C
Material: Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: TPV

Type	WISKA-No. Ni	 D (mm)	 L (mm)	 (mm)	 SW (mm)	TL (mm)	
MSKV 7	10062281	PG 7	6	3 · 6,5	14	25	50
MSKV 9	10062282	PG 9	8	4 · 8	17	27	50
MSKV 11	10062283	PG 11	8	5 · 10	20	28	50
MSKV 13,5	10062284	PG 13,5	8	6 · 12	22	29,5	50
MSKV 16	10062285	PG 16	8	10 · 14	24	30,5	50
MSKV 21	10062286	PG 21	9	13 · 18	30	32	50
MSKV 29	10062287	PG 29	9	18 · 25	40	39	25
MSKV 36	10062288	PG 36	10	22 · 32	50	47	10
MSKV 42	10062289	PG 42	12	30 · 38	57	49	10
MSKV 48	10062290	PG 48	14	34 · 44	64	52	10

Recommended accessories



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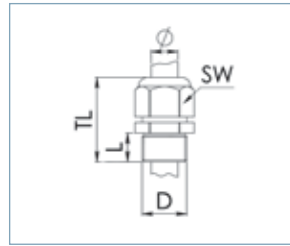
SPRINT cable glands



PMSKV



NMSKV



Protection class:
Temperature range:
Material:

IP 68, 5 bar 30 min / IP 69K

-40 °C bis 100 °C

Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: EPDM

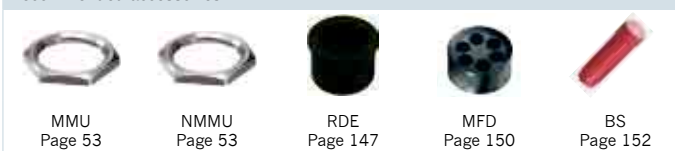
PMSKV, PG

Type	WISKA-No. Ni					TL (mm)	
PMSKV 7-12	10100677	PG 7	5	3 · 7	16	23 · 30	50
PMSKV 7-16	10100678	PG 7	5	4,5 · 10	20	26 · 34	50
PMSKV 9-16	10100490	PG 9	5	4,5 · 10	20	26 · 34	50
PMSKV 11-16	10100683	PG 11	6	4,5 · 10	22	27 · 35	50
PMSKV 11-20	10100684	PG 11	6	6 · 13	24	32 · 40	50
PMSKV 13,5-20	10100685	PG 13,5	6	6 · 13	24	28 · 36	50
PMSKV 13,5-25	10100491	PG 13,5	6	9 · 17	29	33 · 42	50
PMSKV 16-20	10100686	PG 16	6	6 · 13	29	28 · 36	50
PMSKV 16-25	10100687	PG 16	6	9 · 17	29	32 · 41	50
PMSKV 21-25	10100688	PG 21	7	9 · 17	36	33 · 42	50
PMSKV 21-32	10100689	PG 21	7	13 · 21	36	39 · 47	25
PMSKV 29-40	10100690	PG 29	8	16 · 28	46	44 · 55	10
PMSKV 36-50	10100691	PG 36	9	21 · 35	55	51 · 62	10
PMSKV 42-50	10100692	PG 42	10	21 · 35	60	52 · 63	10
PMSKV 48-63	10100693	PG 48	10	34 · 48	68	56 · 67	10

NMSKV, NPT

Type	WISKA-No. Ni					TL (mm)	
NMSKV 1/4	10065480	NPT 1/4"	13	3 · 7	16	33 · 40	50
NMSKV 3/8	10065481	NPT 3/8"	13	4,5 · 10	20	35 · 42	50
NMSKV 1/2	10065482	NPT 1/2"	16	6 · 13	24	38 · 45	50
NMSKV 3/4	10065483	NPT 3/4"	16	9 · 17	29	40 · 48	50
NMSKV 1	10065484	NPT 1"	20	13 · 21	36	46 · 53	25
NMSKV 1 1/4	10065485	NPT 1 1/4"	20	16 · 28	46	50 · 58	10
NMSKV 1 1/2	10065486	NPT 1 1/2"	20	21 · 35	55	51 · 62	10
NMSKV 2	10065487	NPT 2"	21	34 · 48	68	56 · 67	10

Recommended accessories

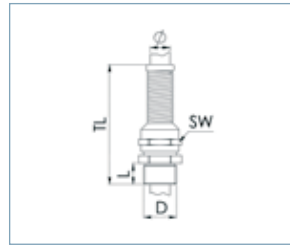
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SPRINT cable gland with flex protection, EMSKVS, metric, EN 50262

EMSKVS



EMSKVS-L

**Protection class:**

IP 68, 5 bar 30 min / IP 69K

Temperature range:

-40 °C - 100 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: EPDM

EMSKVS

Type	WISKA-No. Ni					TL (mm)	
EMSKVS 16	10065831	M 16x1,5	5	4,5 - 10	20	76 - 84	50
EMSKVS 20	10065832	M 20x1,5	6	6 - 13	24	96 - 104	50
EMSKVS 25	10065833	M 25x1,5	7	9 - 17	29	120 - 129	50
EMSKVS 32	10065834	M 32x1,5	8	13 - 21	36	146 - 154	25
EMSKVS 40	10065835	M 40x1,5	8	16 - 28	46	184 - 195	10
EMSKVS 50	10065836	M 50x1,5	9	21 - 35	55	231 - 242	10
EMSKVS 63	10065837	M 63x1,5	10	34 - 48	68	299 - 310	10

EMSKVS-L, long

Type	WISKA-No. Ni					TL (mm)	
EMSKVS-L 16	10065851	M 16x1,5	12	4,5 - 10	20	83 - 91	50
EMSKVS-L 20	10065852	M 20x1,5	12	6 - 13	24	102 - 110	50
EMSKVS-L 25	10065853	M 25x1,5	12	9 - 17	29	125 - 134	50
EMSKVS-L 32	10065854	M 32x1,5	15	13 - 21	36	153 - 161	25
EMSKVS-L 40	10065855	M 40x1,5	15	16 - 28	46	191 - 202	10
EMSKVS-L 50	10065856	M 50x1,5	15	21 - 35	55	237 - 248	10
EMSKVS-L 63	10065857	M 63x1,5	15	34 - 48	68	304 - 315	10

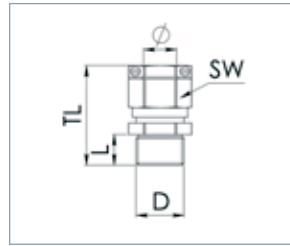
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SPRINT cable glands with external strain relief, EMSKVZ, metric, EN 50262

EMSKVZ



EMSKVZ-L



Protection class:
Temperature range:
Material:

IP 68, 5 bar 30 min / IP 69K

-40 °C - 100 °C

Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: EPDM

EMSKVZ

Type	WISKA-No. Ni					TL (mm)	
EMSKVZ 16	10065351	M 16x1,5	5	4,5 - 10	20	34 - 42	25
EMSKVZ 20	10065352	M 20x1,5	6	6 - 13	24	37 - 45	25
EMSKVZ 25	10065353	M 25x1,5	7	9 - 17	29	42 - 51	25
EMSKVZ 32	10065354	M 32x1,5	8	13 - 21	36	45 - 54	10
EMSKVZ 40	10065355	M 40x1,5	8	16 - 28	46	54 - 65	5
EMSKVZ 50	10065356	M 50x1,5	9	21 - 35	55	53 - 77	5
EMSKVZ 63	10065357	M 63x1,5	10	34 - 48	68	73 - 84	5

EMSKVZ-L, long

Type	WISKA-No. Ni					TL (mm)	
EMSKVZ-L 16	10065860	M 16x1,5	12	4,5 - 10	20	41 - 49	25
EMSKVZ-L 20	10065861	M 20x1,5	12	6 - 13	24	43 - 51	25
EMSKVZ-L 25	10065862	M 25x1,5	12	9 - 17	29	47 - 56	25
EMSKVZ-L 32	10065863	M 32x1,5	15	13 - 21	36	53 - 61	10
EMSKVZ-L 40	10065864	M 40x1,5	15	16 - 28	46	61 - 72	5
EMSKVZ-L 50	10065865	M 50x1,5	15	21 - 35	55	69 - 80	5
EMSKVZ-L 63	10065866	M 63x1,5	15	34 - 48	68	78 - 89	5

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Cable glands circular



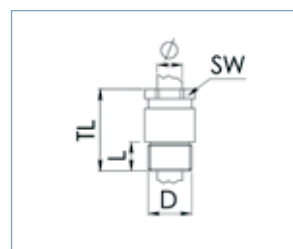
ERMKV



ERMKV-L



RMKV



Protection class:
Temperature range:
Material:

IP 54
-30 °C - 80 °C
Gland: Brass nickel-plated, Gasket: Soft rubber

ERMKV, metric

Type	WISKA-No. Ni				TL (mm)	
ERMKV 12	10062850	M 12x1,5	4 · 6	12	20	100
ERMKV 16	10062851	M 16x1,5	2 · 10	16	22	100
ERMKV 20	10062852	M 20x1,5	3 · 14	20	26	50
ERMKV 25	10062853	M 25x1,5	7,5 · 18,5	25	29	50
ERMKV 32	10062854	M 32x1,5	15 · 26	32	32	25
ERMKV 40	10062855	M 40x1,5	22 · 33	40	38	20
ERMKV 50	10062856	M 50x1,5	31 · 42	50	43	5
ERMKV 63	10062857	M 63x1,5	40 · 51	65	46	5

ERMKV-L, long, metric

Type	WISKA-No. Ni				TL (mm)	
ERMKV-L 12	10062860	M 12x1,5	4 · 6	12	25	100
ERMKV-L 16	10062861	M 16x1,5	2 · 10	16	27	100
ERMKV-L 20	10062862	M 20x1,5	3 · 14	20	30	50
ERMKV-L 25	10062863	M 25x1,5	7,5 · 18,5	25	33	50
ERMKV-L 32	10062864	M 32x1,5	15 · 26	32	37	25
ERMKV-L 40	10062865	M 40x1,5	22 · 33	40	43	20
ERMKV-L 50	10062866	M 50x1,5	31 · 42	50	48	5
ERMKV-L 63	10062867	M 63x1,5	40 · 51	63	50	5

RMKV, PG

Type	WISKA-No. Ni	 D (mm)	 (mm)	 SW (mm)	TL (mm)	
RMKV 7	10062001	PG 7	5 - 7	13	20,5	100
RMKV 9	10062022	PG 9	4 - 11	15	22	100
RMKV 11	10062023	PG 11	6,5 - 13,5	18	24	50
RMKV 13,5	10062024	PG 13,5	6,5 - 13,5	20	26	50
RMKV 16	10062025	PG 16	6,5 - 16	22	26,5	50
RMKV 21	10062026	PG 21	9 - 20	28	30	50
RMKV 29	10062027	PG 29	17 - 28	37	32	25
RMKV 36	10062028	PG 36	23 - 34	47	39	25
RMKV 42	10062029	PG 42	29 - 40	54	44	10
RMKV 48	10062030	PG 48	35 - 46	60	45	10

Recommended accessories

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Cable glands hexagonal



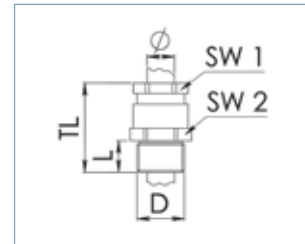
ESMKV



ESMKV-L



SMKV



Protection class:
Temperature range:
Material:

IP 54
-30 °C - 80 °C
Gland: Brass nickel-plated, Gasket: Soft rubber

ESMKV, metric

Type	WISKA-No. Ni	 D (mm)	 (mm)	 SW 1 (mm)	 SW 2 (mm)	TL (mm)	
ESMKV 12	10062870	M 12x1,5	4 - 6	12	14	20	100
ESMKV 16	10062871	M 16x1,5	2 - 10	16	18	22	100
ESMKV 20	10062872	M 20x1,5	3 - 14	20	22	26	50
ESMKV 25	10062873	M 25x1,5	7,5 - 18,5	25	27	29	50
ESMKV 32	10062874	M 32x1,5	15 - 26	32	34	32	25
ESMKV 40	10062875	M 40x1,5	22 - 33	40	42	38	20
ESMKV 50	10062876	M 50x1,5	31 - 42	52	50	48	5
ESMKV 63	10062877	M 63x1,5	40 - 51	63	66	46	5

ESMKV-L, long, metric

Type	WISKA-No. Ni					TL (mm)	
ESMKV-L 12	10062880	M 12x1,5	4 - 6	12	14	25	100
ESMKV-L 16	10062881	M 16x1,5	2 - 10	16	18	27	100
ESMKV-L 20	10062882	M 20x1,5	3 - 14	20	22	30	50
ESMKV-L 25	10062883	M 25x1,5	7,5 - 18,5	27	25	33	25
ESMKV-L 32	10062884	M 32x1,5	15 - 26	32	34	37	25
ESMKV-L 40	10062885	M 40x1,5	22 - 33	40	42	43	20
ESMKV-L 50	10062886	M 50x1,5	31 - 42	50	52	48	5
ESMKV-L 63	10062887	M 63x1,5	40 - 51	66	63	50	5

SMKV, PG

Type	WISKA-No. Ni					TL (mm)	
SMKV 7	10062061	PG 7	5 - 7	13	14	20,5	100
SMKV 9	10062082	PG 9	4 - 11	15	17	22	100
SMKV 11	10062083	PG 11	6,5 - 13,5	18	20	24	50
SMKV 13,5	10062084	PG 13,5	6,5 - 13,5	20	22	26	50
SMKV 16	10062085	PG 16	6,5 - 16	22	24	26,5	50
SMKV 21	10062086	PG 21	9 - 20	28	30	30	50
SMKV 29	10062087	PG 29	17 - 28	37	39	32	25
SMKV 36	10062088	PG 36	23 - 34	47	50	39	10
SMKV 42	10062089	PG 42	29 - 40	54	57	44	10
SMKV 48	10062090	PG 48	35 - 46	50	64	45	10

Recommended accessories



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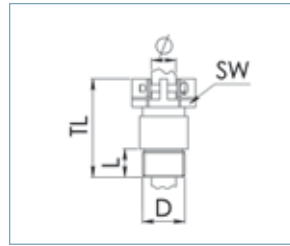
Cable glands with external strain relief, circular



ERKMKV



RKMKV



Protection class:
Temperature range:
Material:

IP 54
 -30 °C - 80 °C
 Gland: Brass nickel-plated, Gasket: Soft rubber

ERKMKV, metric

Type	WISKA-No. Ni				TL (mm)	
ERKMKV 12	10063121	M 12x1,5	5 · 7	16	27	50
ERKMKV 16	10063122	M 16x1,5	4 · 11	19	28	50
ERKMKV 20	10063123	M 20x1,5	6,5 · 13,5	24	32	50
ERKMKV 25	10063125	M 25x1,5	9 · 20	34	39	50
ERKMKV 32	10063126	M 32x1,5	17 · 28	42	43	25
ERKMKV 40	10063127	M 40x1,5	23 · 34	52	48	10
ERKMKV 50	10063128	M 50x1,5	29 · 40	59	52	5
ERKMKV 63	10063129	M 63x1,5	35 · 46	64	53	5

RKMKV, PG

Type	WISKA-No. Ni				TL (mm)	
RKMKV 7	10062121	PG 7	5 · 7	16	27	50
RKMKV 9	10062122	PG 9	4 · 11	19	29	50
RKMKV 11	10062123	PG 11	6,5 · 13,5	22	31	50
RKMKV 13,5	10062124	PG 13,5	6,5 · 13,5	24	32	50
RKMKV 16	10062125	PG 16	6,5 · 16	27	34	50
RKMKV 21	10062126	PG 21	9 · 20	34	39	50
RKMKV 29	10062127	PG 29	17 · 28	42	43	25
RKMKV 36	10062128	PG 36	23 · 34	52	49	10
RKMKV 42	10062129	PG 42	29 · 40	59	53	5
RKMKV 48	10062130	PG 48	35 · 46	64	53	5

Recommended accessories



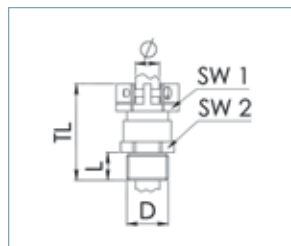
Cable glands with external strain relief, hexagonal



ESKMKV



SKMKV



Protection class:
Temperature range:
Material:

IP 54
-30 °C - 80 °C
Gland: Brass nickel-plated, Gasket: Soft rubber

ESKMKV, metric

Type	WISKA-No. Ni					TL (mm)
ESKMKV 12	10063131	M 12x1,5	5 · 7	16	14	27
ESKMKV 16	10063132	M 16	4 · 11	19	18	28
ESKMKV 20	10063133	M 20x1,5	6,5 · 13,5	24	22	32
ESKMKV 25	10063135	M 25x1,5	9 · 20	34	30	39
ESKMKV 32	10063136	M 32x1,5	17 · 28	42	40	43
ESKMKV 40	10063137	M 40x1,5	23 · 34	52	50	48
ESKMKV 50	10063138	M 50x1,5	29 · 40	59	57	52
ESKMKV 63	10063139	M 63x1,5	35 · 46	64	66	53

SKMKV, PG

Type	WISKA-No. Ni					TL (mm)
SKMKV 7	10062131	PG 7	5 · 7	16	14	27
SKMKV 9	10062132	PG 9	4 · 11	19	17	29
SKMKV 11	10062133	PG 11	6,5 · 13,5	22	20	31
SKMKV 13,5	10062134	PG 13,5	6,5 · 13,5	24	22	32
SKMKV 16	10062135	PG 16	6,5 · 16	27	24	34
SKMKV 21	10062136	PG 21	9 · 20	34	30	39
SKMKV 29	10062137	PG 29	17 · 28	42	40	43
SKMKV 36	10062138	PG 36	23 · 34	52	50	49
SKMKV 42	10062139	PG 42	29 · 40	59	57	53
SKMKV 48	10062140	PG 48	35 · 46	64	64	53

Recommended accessories



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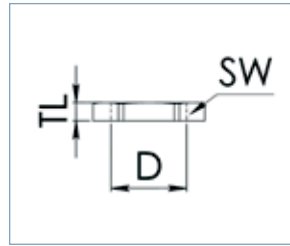
Locknuts



EMMU/MMU



NMMU



Material: Brass nickel-plated

EMMU, metric

Type	WISKA-No. Ni			TL (mm)	
EMMU 12	10063141	M 12x1,5	15	2,8	100
EMMU 16	10063142	M 16x1,5	19	2,8	100
EMMU 20	10063143	M 20x1,5	24	3	100
EMMU 25	10063144	M 25x1,5	30	3,5	100
EMMU 32	10063145	M 32x1,5	36	4	100
EMMU 40	10063146	M 40x1,5	46	5	50
EMMU 50	10063147	M 50x1,5	60	5	50
EMMU 63	10063148	M 63x1,5	70	6	50
EMMU 75	10101777	M 75x1,5	80	8	1

MMU, PG

Type	WISKA-No. Ni			TL (mm)	
MMU 7	10062141	PG 7	15	2,8	100
MMU 9	10062142	PG 9	18	2,8	100
MMU 11	10062143	PG 11	21	3	100
MMU 13,5	10062144	PG 13,5	23	3	100
MMU 16	10062145	PG 16	26	3	100
MMU 21	10062146	PG 21	32	3,5	100
MMU 29	10062147	PG 29	41	4	100
MMU 36	10062148	PG 36	51	5	100
MMU 42	10062149	PG 42	60	5	50
MMU 48	10062150	PG 48	64	5	50

NMMU, NPT

Type	WISKA-No. Ni			TL (mm)	
NMMU 1/4	10100972	NPT 1/4"	18	4	100
NMMU 3/8	10100973	NPT 3/8	21	4	100
NMMU 1/2	10100974	NPT 1/2"	26	5,5	100
NMMU 3/4	10100975	NPT 3/4"	32	5,5	100
NMMU 1	10100976	NPT 1"	41	7	100
NMMU 1 1/4	10100977	NPT 1 1/4"	51	7	50
NMMU 1 1/2	10100978	NPT 1 1/2"	60	7	50
NMMU 2	10100979	NPT 2"	70	7	50

Stop ends



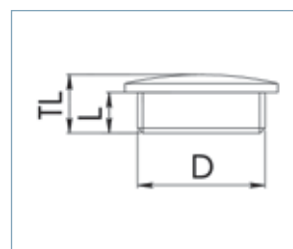
EMVS / MVS



EMVS-L



EMVS-ORD



Protection class:

IP 54

Advice:

with O-ring IP 68

Material:

Brass nickel-plated

EMVS, metric

Type	WISKA-No. Ni			TL (mm)	
EMVS 12	10063151	M 12x1,5	5	7,5	100
EMVS 16	10063152	M 16x1,5	5	8	100
EMVS 20	10063153	M 20x1,5	6,5	9,5	100
EMVS 25	10063154	M 25x1,5	7	11	100
EMVS 32	10063155	M 32x1,5	8	12	100
EMVS 40	10063156	M 40x1,5	8,5	13	50
EMVS 50	10063157	M 50x1,5	9	15	25
EMVS 63	10063158	M 63x1,5	10	16	10

EMVS-L, long, metric

Type	WISKA-No. Ni			TL (mm)	
EMVS-L 12	10065072	M 12x1,5	13	16	100
EMVS-L 16	10065073	M 16x1,5	13	16	100
EMVS-L 20	10065074	M 20x1,5	13	16	100
EMVS L 25	10065075	M 25x1,5	14	18	100
EMVS-L 32	10065076	M 32x1,5	14,5	18,5	50
EMVS-L 40	10065077	M 40x1,5	14,5	19,5	50
EMVS-L 50	10065078	M 50x1,5	15,5	21	25
EMVS-L 63	10065079	M 63x1,5	16,5	22,5	10

MVS, PG

Type	WISKA-No. Ni			TL (mm)	
MVS 7	10062151	PG 7	5	8	100
MVS 9	10062152	PG 9	6	9	100
MVS 11	10062153	PG 11	6	9	100
MVS 13,5	10062154	PG 13,5	6,5	9,5	100
MVS 16	10062155	PG 16	6,5	9,5	100
MVS 21	10062156	PG 21	7	11	100
MVS 29	10062157	PG 29	8	12	50
MVS 36	10062158	PG 36	9	15	50
MVS 42	10062159	PG 42	10	16	25
MVS 48	10062160	PG 48	10	16	25

EMVS-ORD, with mounted O-ring seal, metric

Type	WISKA-No. Ni			TL (mm)	
EMVS-ORD 12	10065080	M 12x1,5	5	7,5	100
EMVS-ORD 16	10065081	M 16x1,5	5	8	100
EMVS-ORD 20	10065082	M 20x1,5	6,5	9,5	100
EMVS-ORD 25	10065083	M 25x1,5	7	11	100
EMVS-ORD 32	10065084	M 32x1,5	8	12	50
EMVS-ORD 40	10065085	M 40x1,5	8,5	13	50
EMVS-ORD 50	10065086	M 50x1,5	9	15	25
EMVS-ORD 63	10065087	M 63x1,5	10	16	10

Recommended accessoriesEMMU
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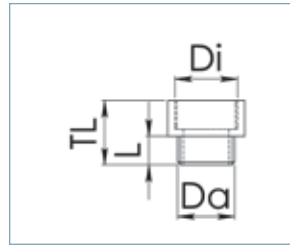
Enlargement adaptors



MEM



MEP



Material:

Brass nickel-plated

MEM, metric-metric

Type	WISKA-No. Ni				TL (mm)	
MEM 12/16	10063953	M 12x1,5	M 16x1,5	5	15	100
MEM 16/20	10063954	M 16x1,5	M 20x1,5	5	17	100
MEM 20/25	10063955	M 20x1,5	M 25x1,5	6	19	50
MEM 25/32	10063956	M 25x1,5	M 32x1,5	7	21	50
MEM 32/40	10063957	M 32x1,5	M 40x1,5	8	24	50
MEM 40/50	10063958	M 40x1,5	M 50x1,5	8	31	25
MEM 50/63	10063959	M 50x1,5	M 63x1,5	9	31	10

MEP, PG-PG

Type	WISKA-No. Ni				TL (mm)	
MEP 7 - 9	10062191	PG 7	PG 9	5	15	100
MEP 9 - 11	10062192	PG 9	PG 11	6	16,5	100
MEP 9 - 13,5	10062193	PG 9	PG 13,5	6	17,5	100
MEP 11 - 13,5	10062194	PG 11	PG 13,5	6	17,5	100
MEP 11 - 16	10062195	PG 11	PG 16	6	18,5	100
MEP 11 - 21	10062196	PG 11	PG 21	6	21	100
MEP 13,5 - 16	10062197	PG 13,5	PG 16	6,5	19	100
MEP 13,5 - 21	10062198	PG 13,5	PG 21	6,5	21	100
MEP 16 - 21	10062199	PG 16	PG 21	6,5	21	100
MEP 16 - 29	10062200	PG 16	PG 29	7	23	50
MEP 21 - 29	10062201	PG 21	PG 29	7	23	50
MEP 29 - 36	10062202	PG 29	PG 36	8	27,5	25
MEP 36 - 42	10062203	PG 36	PG 42	9	31	25
MEP 42 - 48	10062204	PG 42	PG 48	10	33	10

Recommended accessories



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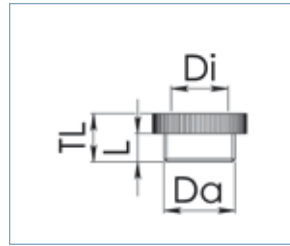
Reduction adaptors



MRM



MRP

**Material:**

Brass nickel-plated

MRM, metric-metric

Type	WISKA-No. Ni				TL (mm)	
MRM 16/12	10063940	M 16x1,5	M 12x1,5	5	8	100
MRM 20/12	10063941	M 20x1,5	M 12x1,5	6	8,5	100
MRM 20/16	10063942	M 20x1,5	M 16x1,5	6	8,5	100
MRM 25/16	10063943	M 25x1,5	M 16x1,5	7	10	50
MRM 25/20	10063944	M 25x1,5	M 20x1,5	7	10	100
MRM 32/20	10063945	M 32x1,5	M 20x1,5	8	11,5	25
MRM 32/25	10063946	M 32x1,5	M 25x1,5	8	11,5	50
MRM 40/25	10063947	M 40x1,5	M 25x1,5	8	11,5	25
MRM 40/32	10063948	M 40x1,5	M 32x1,5	8	11,5	25
MRM 50/32	10063949	M 50x1,5	M 32x1,5	9	12,5	10
MRM 50/40	10063950	M 50x1,5	M 40x1,5	9	12,5	25
MRM 63/40	10063951	M 63x1,5	M 40x1,5	10	14	10
MRM 63/50	10063952	M 63x1,5	M 50x1,5	10	14	10

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MRP, PG-PG

Type	WISKA-No. Ni				TL (mm)	
MRP 9 - 7	10062161	PG 9	PG 7	6	8,5	100
MRP 11 - 7	10062162	PG 11	PG 7	6	8,5	100
MRP 11 - 9	10062163	PG 11	PG 9	6	8,5	100
MRP 13,5 - 7	10062164	PG 13,5	PG 7	6,5	9	100
MRP 13,5 - 9	10062165	PG 13,5	PG 9	6,5	9	100
MRP 13,5 - 11	10062166	PG 13,5	PG 11	6,5	9	100
MRP 16 - 7	10062167	PG 16	PG 7	6,5	9,5	100
MRP 16 - 9	10062168	PG 16	PG 9	6,5	9,5	100
MRP 16 - 11	10062169	PG 16	PG 11	6,5	9,5	100
MRP 16 - 13,5	10062170	PG 16	PG 13,5	6,5	9,5	100
MRP 21 - 11	10062171	PG 21	PG 11	7	10	50
MRP 21 - 13,5	10062172	PG 21	PG 13,5	7	10	50
MRP 21 - 16	10062173	PG 21	PG 16	7	10	50
MRP 29 - 13,5	10062174	PG 29	PG 13,5	8	11,5	50
MRP 29 - 16	10062175	PG 29	PG 16	8	11,5	50
MRP 29 - 21	10062176	PG 29	PG 21	8	11,5	50
MRP 36 - 21	10062177	PG 36	PG 21	9	12,5	25
MRP 36 - 29	10062178	PG 36	PG 29	9	12,5	25
MRP 42 - 29	10062179	PG 42	PG 29	10	14	25
MRP 42 - 36	10062180	PG 42	PG 36	10	14	25
MRP 48 - 36	10062181	PG 48	PG 36	10	14	25
MRP 48 - 42	10062182	PG 48	PG 42	10	14	25

Recommended accessories



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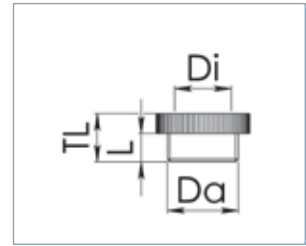
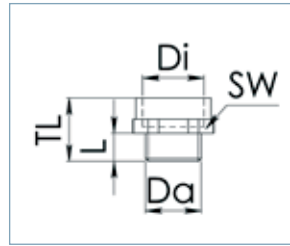
Adaptors, AMMP, metric-PG



AMMP Form A



AMMP Form B



Material:

Brass nickel-plated

Type	WISKA-No. Ni				TL (mm)	Form	
AMMP 12/7	10063911	M 12x1,5	PG 7	5	15	A	100
AMMP 12/9	10063912	M 12x1,5	PG 9	5	15	A	100
AMMP 16/7	10063913	M 16x1,5	PG 7	5	7,5	B	100
AMMP 16/9	10063914	M 16x1,5	PG 9	5	15,5	A	100
AMMP 16/11	10063915	M 16x1,5	PG 11	6	16,5	A	100
AMMP 20/9	10063916	M 20x1,5	PG 9	6	9	B	50
AMMP 20/11	10063917	M 20x1,5	PG 11	6	17	A	50
AMMP 20/13,5	10063918	M 20x1,5	PG 13,5	6	18,5	A	50
AMMP 20/16	10063919	M 20x1,5	PG 16	6	19,5	A	50
AMMP 25/11	10063920	M 25x1,5	PG 11	7	10	B	50
AMMP 25/13,5	10063921	M 25x1,5	PG 13,5	7	10	B	50
AMMP 25/16	10063922	M 25x1,5	PG 16	7	10	B	50
AMMP 25/21	10063923	M 25x1,5	PG 21	7	22	A	50
AMMP 32/13,5	10063924	M 32x1,5	PG 13,5	8	11,5	B	25
AMMP 32/16	10063925	M 32x1,5	PG 16	8	11,5	B	25
AMMP 32/21	10063926	M 32x1,5	PG 21	8	11,5	B	25
AMMP 32/29	10063927	M 32x1,5	PG 29	8	24,5	A	25
AMMP 40/16	10063928	M 40x1,5	PG 16	8	11,5	B	25
AMMP 40/21	10063929	M 40x1,5	PG 21	8	11,5	B	25
AMMP 40/29	10063930	M 40x1,5	PG 29	8	11,5	B	25
AMMP 50/29	10063933	M 50x1,5	PG 29	9	12,5	B	10
AMMP 50/42	10063935	M 50x1,5	PG 42	9	31	A	10
AMMP 63/36	10063937	M 63x1,5	PG 36	10	14	B	10
AMMP 63/42	10063938	M 63x1,5	PG 42	10	14	B	10
AMMP 63/48	10063939	M 63x1,5	PG 48	10	33	A	10

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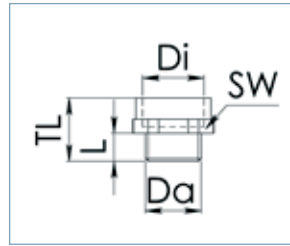
Adaptors



AMPM



AMMN



Material:

Brass nickel-plated

AMPM, PG-metric

Type	WISKA-No. Ni	 D (mm)	 Di (mm)	 TL (mm)	TL (mm)	
AMPM 7/12	10063880	PG 7	M 12x1,5	5	15	100
AMPM 9/16	10063883	PG 9	M 16x1,5	6	16	100
AMPM 11/16	10063885	PG 11	M 16x1,5	6	16	100
AMPM 13,5/20	10063889	PG 13,5	M 20x1,5	6,5	17,5	100
AMPM 16/20	10063891	PG 16	M 20x1,5	6,5	17,5	100
AMPM 16/25	10063892	PG 16	M 25x1,5	6,5	18,5	100
AMPM 21/25	10063894	PG 21	M 25x1,5	7	19	100
AMPM 21/32	10063895	PG 21	M 32x1,5	7	20	100
AMPM 29/40	10063898	PG 29	M 40x1,5	8	21	50
AMPM 36/50	10063901	PG 36	M 50x1,5	9	23	25
AMPM 42/63	10063905	PG 42	M 63x1,5	10	25	10

AMMN, metric-NPT

Type	WISKA-No. Ni	 D (mm)	 Di (mm)	 TL (mm)	TL (mm)	
AMMN 20 - 3/8	10062965	M 20x1,5	NPT 3/8"	10	20	20
AMMN 20 - 1/2	10062966	M 20x1,5	NPT 1/2"	10	22,5	25
AMMN 25 - 3/4	10062967	M 25x1,5	NPT 3/4"	8	25	10
AMMN 32 - 1	10062968	M 32x1,5	NPT 1"	6	30	10

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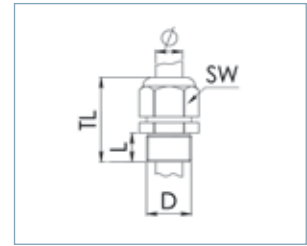


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Maritime cable glands

For the maritime industry, WISKA offers cable glands complying with DIN 89280 and DIN 89285. These are particularly optimised for use in the harsh conditions on ships and offshore installations.

SPRINT cable glands, MMSKV, metric, DIN 89285**MMSKV****MMSKV EMV-Z****Protection class:**

IP 68, 5 bar 30 min, IP 69K

Temperature range:

-40 °C - 100 °C

Material:

Gland: Brass, Clamping cage: Polyamide, Gasket: EPDM

MMSKV

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr					TL (mm)	
MMSKV 16	10065101	10065108	10065115	M 16x1,5	9	4,5 - 10	20	30 - 38	1
MMSKV 18	10065102	10065109	10065116	M 18x1,5	10	6 - 13	24	33 - 41	1
MMSKV 24	10065103	10065110	10065117	M 24x1,5	11	9 - 17	29	37 - 46	1
MMSKV 30	10065104	10065111	10065118	M 30x2	12	13 - 21	36	40 - 48	1
MMSKV 36	10065105	10065112	10065119	M 36x2	13	16 - 28	46	49 - 60	1
MMSKV 45	10065106	10065113	10065120	M 45x2	14	21 - 35	55	56 - 67	1
MMSKV 56	10065107	10065114	10065121	M 56x2	15	34 - 48	68	61 - 72	1

MMSKV EMV Z

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr					TL (mm)	
MMSKV 16 EMV Z	10065122	10065129	10065136	M 16x1,5	9	4,5 - 10	20	30 - 38	1
MMSKV 18 EMV Z	10065123	10065130	10065137	M 18x1,5	10	6 - 13	24	33 - 41	1
MMSKV 24 EMV Z	10065124	10065131	10065138	M 24x1,5	11	9 - 17	29	37 - 46	1
MMSKV 30 EMV Z	10065125	10065132	10065139	M 30x2	12	13 - 21	36	40 - 48	1
MMSKV 36 EMV Z	10065126	10065133	10065140	M 36x2	13	16 - 28	46	49 - 60	1
MMSKV 45 EMV Z	10065127	10065134	10065141	M 45x2	14	21 - 35	55	56 - 67	1
MMSKV 56 EMV Z	10065128	10065135	10065142	M 56x2	15	34 - 48	68	61 - 72	1

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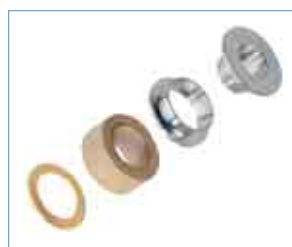
Cable glands circular, KVM, metric, DIN 89280



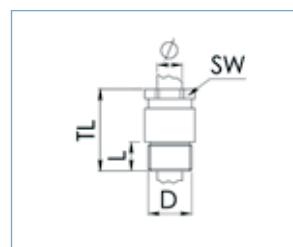
KVM



W-Insert



Z-Insert



Protection class: IP 54
Temperature range: -40 °C - 100 °C
Advice: * Similar to DIN 89280
Material: Gland: Brass, Gasket: EPDM

KVM, type Z

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr					TL (mm)	
KVM 18-Z8	10010833	10013118	10014478	M 18x1,5	10	7 - 8,5	19	43	1
KVM 18-Z10	10010835	10010384	10014481	M 18x1,5	10	8 - 10,5	19	43	1
KVM 24-Z8A	10010836	10014480	10014482	M 24x1,5	11	7 - 8,5	24	49	1
KVM 24-Z10A	10010837	10014484	10014157	M 24x1,5	11	8 - 10,5	24	49	1
KVM 24-Z12	10010839	10012807	10014486	M 24x1,5	11	10 - 12,5	24	49	1
KVM 24-Z14	10010840	10012812	10014392	M 24x1,5	11	12 - 14,5	24	49	1
KVM 24-Z16	10010841	10014488	10014487	M 24x1,5	11	14 - 16,5	24	49	1
KVM 24-Z17	10010842	10014490	10014489	M 24x1,5	11	16 - 17,5	24	49	1
KVM 30-Z18	10010843	10013310	10014183	M 30x2	12	16 - 18,5	30	52	1
KVM 30-Z20	10010844	10013420	10014341	M 30x2	12	18 - 20,5	30	52	1
KVM 36-Z22	10010846	10013311	10014493	M 36x2	13	20 - 22,5	36	58	1
KVM 36-Z24	10010847	10014494	10014184	M 36x2	13	22 - 24,5	36	58	1
KVM 36-Z26	10010848	10014496	10014495	M 36x2	13	24 - 26,5	36	58	1
KVM 45-Z28	10010849	10014498	10014497	M 45x2	14	26 - 28,5	46	62	1
KVM 45-Z30	10010850	10014499	10014342	M 45x2	14	28 - 30,5	46	62	1
KVM 45-Z32	10010851	10013322	10014500	M 45x2	14	30 - 32,5	46	62	1
KVM 56-Z35	10010852	10014542	10014541	M 56x2	15	32 - 35,5	55	68	1
KVM 56-Z38	10010853	10013301	10014540	M 56x2	15	35 - 38,5	55	68	1
KVM 56-Z41	10010854	10013323	10014543	M 56x2	15	38 - 41,5	55	68	1
KVM 72-Z44	10010855	10014550	10014544	M 72x2	16	41 - 44,5	70	73	1
KVM 72-Z48	10010856	10013302	10014545	M 72x2	16	44 - 48,5	70	73	1
KVM 72-Z52	10010857	10014551	10014546	M 72x2	16	48 - 52,5	70	73	1
KVM 80-Z61*	10016543	10101672	10016581	M 80x2	18	52 - 62	85	79	1
KVM 80-Z64*	10010858	10014552	10014547	M 80x2	18	62 - 66	85	79	1
KVM 105-Z70*	10010859	10014553	10014548	M 105x2	20	68 - 73	103	88	1
KVM 105-Z75*	10010860	10014554	10014549	M 105x2	20	73 - 78	103	88	1

KVM, type W

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr					TL (mm)	
KVM 18-W8	10010862	10014561	10014562	M 18x1,5	10	7 - 8,5	19	43	1
KVM 18-W10	10010863	10014563	10014564	M 18x1,5	10	8 - 10,5	19	43	1
KVM 24-W8A	10010864	10014565	10014566	M 24x1,5	11	7 - 8,5	24	49	1
KVM 24-W10A	10010865	10013483	10014567	M 24x1,5	11	8 - 10,5	24	49	1
KVM 24-W12	10010866	10014212	10014568	M 24x1,5	11	10 - 12,5	24	49	1
KVM 24-W14	10010867	10012933	10014569	M 24x1,5	11	12 - 14,5	24	49	1
KVM 24-W16	10010868	10014570	10014571	M 24x1,5	11	14 - 16,5	24	49	1
KVM 24-W17	10010869	10014572	10014573	M 24x1,5	11	16 - 17,5	24	49	1
KVM 30-W18	10010871	10014576	10014577	M 30x2	12	16 - 18,5	30	52	1
KVM 30-W20	10010872	10014578	10014470	M 30x2	12	18 - 20,5	30	52	1
KVM 36-W22	10010875	10014582	10014583	M 36x2	13	20 - 22,5	36	58	1
KVM 36-W24	10010876	10014584	10014585	M 36x2	13	22 - 24,5	36	58	1
KVM 36-W26	10010877	10013069	10014586	M 36x2	13	24 - 26,5	36	58	1
KVM 45-W28	10010878	10012299	10014587	M 45x2	14	26 - 28,5	46	62	1
KVM 45-W30	10010879	10014588	10014589	M 45x2	14	28 - 30,5	46	62	1
KVM 45-W32	10010880	10014590	10014591	M 45x2	14	30 - 32,5	46	62	1
KVM 56-W35	10010881	10014592	10014593	M 56x2	15	32 - 35,5	55	68	1
KVM 56-W38	10010882	10014594	10014595	M 56x2	15	35 - 38,5	55	68	1
KVM 56-W41	10010883	10014596	10014597	M 56x2	15	38 - 41,5	55	68	1
KVM 72-W44	10010884	10014598	10014599	M 72x2	16	41 - 44,5	70	73	1
KVM 72-W48	10010885	10014600	10014601	M 72x2	16	44 - 48,5	70	73	1
KVM 72-W52	10010886	10014602	10014603	M 72x2	16	48 - 52,5	70	73	1
KVM 72-W56	10010887	10014311	10014604	M 72x2	16	52 - 56,5	70	73	1
KVM 80-W61*	10016453	10016454	10016455	M 80x2	18	59 - 62	85	79	1
KVM 80-W64*	10010888	10014605	10014606	M 80x2	18	62 - 66	85	79	1
KVM 105-W70*	10010890	10014607	10014608	M 105x2	20	68 - 73	103	88	1
KVM 105-W75	10010891	10016207	10014610	M 105x2	20	73 - 78	103	88	1
KVM 105-W80*	10010892	10016208	10014612	M 105x2	20	78 - 83	103	88	1

Recommended accessories



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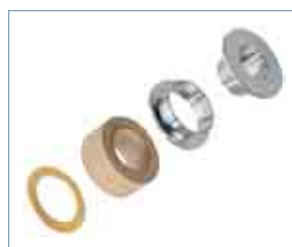
Cable glands hexagonal, KVMS, metric, DIN 89280



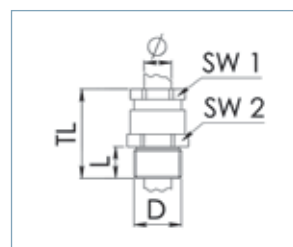
KVMS



W-Insert



Z-Insert



Protection class: IP 54
Temperature range: -40 °C - 100 °C
Advice: * Similar to DIN 89280
Material: Gland: Brass, Gasket: EPDM

KVMS, type Z

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr						TL (mm)	
KVMS 18-Z8	10016840	10016725	10016919	M 18x1,5	10	7 · 8,5	19	24	43	1
KVMS 18-Z10	10016841	10016726	10016920	M 18x1,5	10	8 · 10,5	19	24	43	1
KVMS 24-Z8A	10016842	10016727	10016921	M 24x1,5	11	7 · 8,5	24	29	49	1
KVMS 24-Z10A	10016843	10016728	10016922	M 24x1,5	11	8 · 10,5	24	29	49	1
KVMS 24-Z12	10016844	10016729	10016923	M 24x1,5	11	10 · 12,5	24	29	49	1
KVMS 24-Z14	10016845	10016730	10016924	M 24x1,5	11	12 · 14,5	24	29	49	1
KVMS 24-Z16	10016846	10016731	10016925	M 24x1,5	11	14 · 16,5	24	29	49	1
KVMS 24-Z17	10016847	10016732	10016927	M 24x1,5	11	16 · 17,5	24	29	49	1
KVMS 30-Z18	10016848	10016733	10016928	M 30x2	12	16 · 18,5	30	36	52	1
KVMS 30-Z20	10016849	10016734	10016929	M 30x2	12	18 · 20,5	30	36	52	1
KVMS 36-Z22	10016850	10016735	10016930	M 36x2	13	20 · 22,5	36	41	58	1
KVMS 36-Z24	10016851	10016736	10016931	M 36x2	13	22 · 24,5	36	41	58	1
KVMS 36-Z26	10016852	10016737	10016932	M 36x2	13	24 · 26,5	36	41	58	1
KVMS 45-Z28	10016853	10016738	10016933	M 45x2	14	26 · 28,5	46	51	62	1
KVMS 45-Z30	10016854	10016739	10016934	M 45x2	14	28 · 30,5	46	51	62	1
KVMS 45-Z32	10016855	10016740	10016935	M 45x2	14	30 · 32,5	46	51	62	1
KVMS 56-Z35	10016856	10016741	10016936	M 56x2	15	32 · 35,5	55	62	68	1
KVMS 56-Z38	10016857	10016742	10016937	M 56x2	15	35 · 38,5	55	62	68	1
KVMS 56-Z41	10016858	10016743	10016938	M 56x2	15	38 · 41,5	55	63	68	1
KVMS 72-Z44	10016859	10016744	10016939	M 72x2	16	41 · 44,5	70	78	73	1
KVMS 72-Z48	10016860	10016745	10016940	M 72x2	16	44 · 48,5	70	78	73	1
KVMS 72-Z52	10016861	10016746	10016942	M 72x2	16	48 · 52,5	70	78	73	1
KVMS 80-Z64*	10016862	10016747	10016943	M 80x2	18	62 · 66	85	90	79	1
KVMS 105-Z70*	10016863	10016748	10016944	M 105x2	20	68 · 73	103	115	88	1
KVMS 105-Z75*	10016864	10016749	10016945	M 105x2	20	73 · 78	103	115	88	1

KVMS, type W

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr						TL (mm)	
KVMS 18-W8	10016870	10016698	10016946	M 18x1,5	10	7 · 8,5	19	24	43	1
KVMS 18-W10	10016871	10016699	10016947	M 18x1,5	10	8 · 10,5	19	24	43	1
KVMS 24-W8A	10016872	10016700	10016948	M 24x1,5	11	7 · 8,5	24	29	49	1
KVMS 24-W10A	10016873	10016701	10016949	M 24x1,5	11	8 · 10,5	24	29	49	1
KVMS 24-W12	10016874	10016702	10016950	M 24x1,5	11	10 · 12,5	24	29	49	1
KVMS 24-W14	10016875	10016703	10016951	M 24x1,5	11	12 · 14,5	24	29	49	1
KVMS 24-W16	10016876	10016704	10016952	M 24x1,5	11	14 · 16,5	24	29	49	1
KVMS 24-W17	10016877	10016705	10016953	M 24x1,5	11	16 · 17,5	24	29	49	1
KVMS 30-W18	10016878	10016706	10016954	M 30x2	12	16 · 18,5	30	36	52	1
KVMS 30-W20	10016879	10016707	10016955	M 30x2	12	18 · 20,5	30	36	52	1
KVMS 36-W22	10016880	10016708	10016956	M 36x2	13	20 · 22,5	36	41	58	1
KVMS 36-W24	10016881	10016709	10016957	M 36x2	13	22 · 24,5	36	41	58	1
KVMS 36-W26	10016882	10016710	10016958	M 36x2	13	24 · 26,5	36	41	58	1
KVMS 45-W28	10016883	10016711	10016959	M 45x2	14	26 · 28,5	46	51	62	1
KVMS 45-W30	10016884	10016712	10016960	M 45x2	14	28 · 30,5	46	51	62	1
KVMS 45-W32	10016885	10016713	10016961	M 45x2	14	30 · 32,5	46	51	62	1
KVMS 56-W35	10016886	10016714	10016962	M 56x2	15	32 · 35,5	55	62	68	1
KVMS 56-W38	10016887	10016715	10016963	M 56x2	15	35 · 38,5	55	62	68	1
KVMS 56-W41	10016888	10016716	10016964	M 56x2	15	38 · 41,5	55	62	68	1
KVMS 72-W44	10016889	10016717	10016965	M 72x2	16	41 · 44,5	70	78	73	1
KVMS 72-W48	10016890	10016718	10016966	M 72x2	16	44 · 48,5	70	78	73	1
KVMS 72-W52	10016891	10016719	10016967	M 72x2	16	48 · 52,5	70	78	73	1
KVMS 72-W56	10016892	10016720	10016968	M 72x2	16	52 · 56,5	70	78	73	1
KVMS 80-W61*	10016450	10016451	10016452	M 80x2	18	59 · 62	85	90	79	1
KVMS 80-W64*	10016893	10016721	10016969	M 80x2	18	62 · 66	85	90	79	1
KVMS 105-W70*	10016894	10016722	10016970	M 105x2	20	68 · 73	103	115	88	1
KVMS 105-W75*	10016895	10016723	10016971	M 105x2	20	73 · 78	103	115	88	1
KVMS 105-W80*	10016896	10016724	10016972	M 105x2	20	78 · 83	103	115	88	1

Recommended accessories



GM
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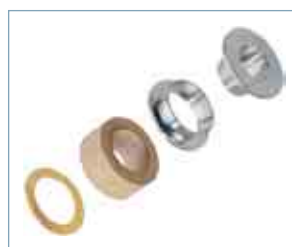
Cable glands hexagonal, EKVM, metric, DIN 89280



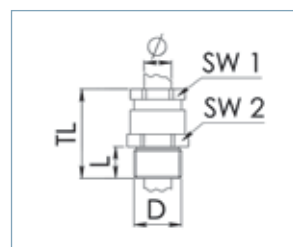
EKVM



W-Insert



Z-Insert



Protection class: IP 54
Temperature range: -40 °C - 100 °C
Material: Gland: Brass, Gasket: EPDM

EKVM, type Z

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr	 D (mm)	 L (mm)	 (mm)	 SW 1 (mm)	 SW 2 (mm)	TL (mm)	
EKVM 18/20-Z8	10016309	10014265	10016898	M 20x1,5	10	7 · 8,5	19	24	41	1
EKVM 18/20-Z10	10016310	10014266	10016899	M 20x1,5	10	8 · 10,5	19	24	41	1
EKVM 24/25-Z8A	10016311	10014267	10016900	M 25x1,5	11	7 · 8,5	24	29	47	1
EKVM 24/25-Z10A	10016312	10014268	10016901	M 25x1,5	11	8 · 10,5	24	29	47	1
EKVM 24/25-Z12	10016313	10014269	10016902	M 25x1,5	11	10 · 12,5	24	29	47	1
EKVM 24/25-Z14	10016314	10014270	10016903	M 25x1,5	11	12 · 14,5	24	29	47	1
EKVM 24/25-Z16	10016315	10014271	10016031	M 25x1,5	11	14 · 16,5	24	29	47	1
EKVM 24/25-Z17	10016316	10014272	10016904	M 25x1,5	11	16 · 17,5	24	29	47	1
EKVM 30/32-Z18	10016265	10014276	10016905	M 32x1,5	12	16 · 18,5	30	36	51	1
EKVM 30/32-Z20	10016317	10014280	10016906	M 32x1,5	12	18 · 20,5	30	36	51	1
EKVM 36/40-Z22	10016318	10014294	10016907	M 40x1,5	13	20 · 22,5	36	46	56	1
EKVM 36/40-Z24	10016319	10014295	10016908	M 40x1,5	13	22 · 24,5	36	46	56	1
EKVM 36/40-Z26	10016320	10014296	10016909	M 40x1,5	13	24 · 26,5	36	46	56	1
EKVM 45/50-Z28	10016266	10014297	10016910	M 50x1,5	14	26 · 28,5	46	55	59	1
EKVM 45/50-Z30	10016321	10014298	10016911	M 50x1,5	14	28 · 30,5	46	55	59	1
EKVM 45/50-Z32	10016322	10014299	10016912	M 50x1,5	14	30 · 32,5	46	55	59	1
EKVM 56/63-Z35	10016323	10014358	10016913	M 63x1,5	15	32 · 35,5	55	68	64	1
EKVM 56/63-Z38	10016324	10014518	10016914	M 63x1,5	15	35 · 38,5	55	68	64	1
EKVM 56/63-Z41	10016325	10014534	10016915	M 63x1,5	15	38 · 41,5	55	68	64	1
EKVM 72/75-Z44	10016326	10014535	10016916	M 75x1,5	16	41 · 44,5	70	82	69	1
EKVM 72/75-Z48	10016327	10014536	10016917	M 75x1,5	16	44 · 48,5	70	82	69	1
EKVM 72/75-Z52	10016328	10014537	10016918	M 75x1,5	16	48 · 52,5	70	82	69	1

EKVM, type W

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr						TL (mm)	
EKVM 18/20-W8	10016329	10016818	10016750	M 20x1,5	10	7 · 8,5	19	24	41	1
EKVM 18/20-W10	10016330	10016819	10016751	M 20x1,5	10	8 · 10,5	19	24	43	1
EKVM 24/25-W8A	10016331	10016820	10016752	M 25x1,5	11	7 · 8,5	24	29	47	1
EKVM 24/25-W10A	10016257	10016821	10016753	M 25x1,5	11	8 · 10,5	24	29	47	1
EKVM 24/25-W12	10016332	10016822	10016754	M 25x1,5	11	10 · 12,5	24	29	47	1
EKVM 24/25-W14	10016333	10016823	10016755	M 25x1,5	11	12 · 14,5	24	29	47	1
EKVM 24/25-W16	10016334	10016824	10016756	M 25x1,5	11	14 · 16,5	24	29	47	1
EKVM 24/25-W17	10016335	10016825	10016757	M 25x1,5	11	16 · 17,5	24	29	47	1
EKVM 30/32-W18	10016336	10016826	10016758	M 32x1,5	12	16 · 18,5	30	36	51	1
EKVM 30/32-W20	10016337	10016827	10016759	M 32x1,5	12	18 · 20,5	30	36	51	1
EKVM 36/40-W22	10016338	10016828	10016760	M 40x1,5	13	20 · 22,5	36	46	56	1
EKVM 36/40-W24	10016339	10016829	10016761	M 40x1,5	13	22 · 24,5	36	46	56	1
EKVM 36/40-W26	10016340	10016830	10016762	M 40x1,5	13	24 · 26,5	36	46	56	1
EKVM 45/50-W28	10016341	10016831	10016763	M 50x1,5	14	26 · 28,5	46	55	59	1
EKVM 45/50-W30	10016342	10016832	10016764	M 50x1,5	14	28 · 30,5	46	55	59	1
EKVM 45/50-W32	10016343	10016833	10016765	M 50x1,5	14	30 · 32,5	46	55	59	1
EKVM 56/63-W35	10016344	10016834	10016766	M 63x1,5	15	32 · 35,5	55	68	64	1
EKVM 56/63-W38	10016345	10016835	10016767	M 63x1,5	15	35 · 38,5	55	68	64	1
EKVM 56/63-W41	10016346	10016836	10016768	M 63x1,5	15	38 · 41,5	55	68	64	1
EKVM 72/75-W44	10016347	10016837	10016769	M 75x1,5	16	41 · 44,5	70	82	69	1
EKVM 72/75-W48	10016348	10016838	10016770	M 75x1,5	16	44 · 48,5	70	82	69	1
EKVM 72/75-W52	10016349	10016839	10016771	M 75x1,5	16	48 · 52,5	70	82	69	1

Recommended accessories

EMMU
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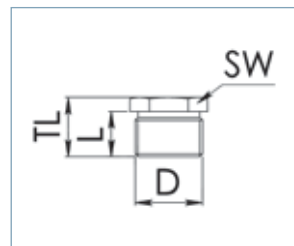
Bushes, metric, DIN 89280



SBK



SBL



Material:

Brass

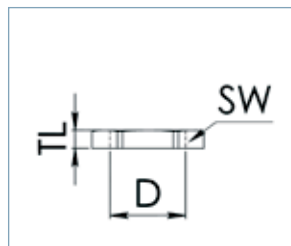
SBK, short

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr				TL (mm)	
SBK 18	50080076	30070546	30071625	M 18x1,5	8	19	12	1
SBK 24	50080077	30070901	30071611	M 24x1,5	10	24	16	1
SBK 30	50080078	30071083	30071626	M 30x2	11	30	16	1
SBK 36	50080079	30071075	30071627	M 36x2	11	36	17	1
SBK 45	50080080	30071069	30071463	M 45x1,5	12	46	19	1
SBK 56	50080081	30071065	30071601	M 56x2	12	55	20	1
SBK 72	50080082	30071064	30071680	M 72x2	14	70	22	1

SBL, long

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr				TL (mm)	
SBL 16	50080085	30071931	30071458	M 16x1,5	15	17	19	1
SBL 18	50080086	30070547	30070490	M 18x1,5	16	19	20	1
SBL 24	50080087	30070439	30070475	M 24x1,5	16	24	21	1
SBL 30	50080088	30071082	30070470	M 30x2	19	30	24	1
SBL 36	50080089	30071080	30070454	M 36x2	19	36	25	1
SBL 45	50080090	30071365	30070452	M 45x2	20	46	27	1
SBL 56	50080091	30070182	30070446	M 56x2	20	55	28	1
SBL 72	50080092	30070184	30071703	M 72x2	22	70	30	1
SBL 80	50080093	30070767	30071705	M 80x2	25	85	33	1
SBL 105	50080095	30072051	30073947	M 105x2	31	105	40	1

Locknuts, GM, metric, DIN 89280



GM



Advice:
Material:

* Similar to DIN 89280
Brass

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr			TL (mm)	
GM 16	50013662	10011606	10014237	M 16x1,5	22	4	1
GM 18	50011419	10012963	10011533	M 18x1,5	22	4	1
GM 24	50011420	10013175	10011532	M 24x1,5	30	5	1
GM 30	50011421	10012814	10011531	M 30x2	36	6	1
GM 36	50011422	10012815	10011530	M 36x2	41	7	1
GM 45	50011423	10011559	10011529	M 45x2	55	8	1
GM 56	50011424	10011557	10011528	M 56x2	65	9	1
GM 72	50011425	30070555	10012075	M 72x2	85	10	1
GM 80*	50011426	10014199	10011858	M 80x2	90	11	1
GM 105*	50011427	10011708	10103708	M 105x2	120	14	1

Stop ends, VSM, metric, DIN 89284



VSM



Advice:
Material:

* Similar to DIN 89284
Brass

Type	WISKA-No. bright	WISKA-No. Ni	WISKA-No. Cr				TL (mm)	Form	
VSM 16	50084870	50016772	50016782	M 16x1,5	8	22	11,5	A	1
VSM 18	50084875	10012980	10016783	M 18x1,5	8	22	11,5	A	1
VSM 20*	50084871	10016685	10016684	M 20x1,5	8	24	11,5	A	1
VSM 24	50084876	50016774	10016784	M 24x1,5	9	30	13	A	1
VSM 25*	50084872	50016687	50016686	M 25x1,5	9	30	13	A	1
VSM 30	50084877	50016775	50016785	M 30x2	10	36	14	A	1
VSM 32*	50084873	50016689	50016688	M 32x1,5	10	36	14	A	1
VSM 36	50084874	10016776	50016786	M 36x2	12	41	17	A	1
VSM 40*	50084670	10016691	10016690	M 40x1,5	12	22	22	B	1
VSM 45	50084671	10016777	10016787	M 45x2	12	22	22	B	1
VSM 50*	50084672	10016693	10016692	M 50x1,5	12	27	22	B	1
VSM 56	50084673	10016778	10016788	M 56x2	12	27	22	B	1
VSM 63*	50084674	10016695	10016694	M 63x1,5	12	27	22	B	1
VSM 72	50084675	10016779	10016789	M 72x2	12	27	22	B	1
VSM 75*	50084676	10016697	10016696	M 75x2	12	27	22	B	1
VSM 80*	50084677	10016780	10016790	M 80x2	12	27	22	B	1
VSM 105*	50084678	10016781	10016791	M 105x2	12	27	22	B	1

Earthing cones, EE-VG, VG 88812



EE-VG

**Material:**

Brass chromium-plated

Type	WISKA-No. Cr	VG 88812- 1994	 Ø (mm)		
EE-VG 16-06	50086205		0 - 6	M 16x1,5	1
EE-VG 16-07	50086206		0 - 7	M 16x1,5	1
EE-VG 16-08	50082100	VG A 16	0 - 8	M 16x1,5	1
EE-VG 18-07	50086207		0 - 7	M 18x1,5	1
EE-VG 18-08	50086208		0 - 8	M 18x1,5	1
EE-VG 18-09	50080096	VG A 18	0 - 9	M 18x1,5	1
EE-VG 18-10	50080097	VG B 18	0 - 10	M 18x1,5	1
EE-VG 24-07	50086209		0 - 7	M 24x1,5	1
EE-VG 24-08	50086210		0 - 8	M 24x1,5	1
EE-VG 24-09	50080098	VG A 24	0 - 9	M 24x1,5	1
EE-VG 24-10	50080099	VG B 24	0 - 10,6	M 24x1,5	1
EE-VG 24-13	50080100	VG C 24	0 - 13,6	M 24x1,5	1
EE-VG 30-13	50086211		0 - 13,6	M 30x2	1
EE-VG 30-15	50080101	VG A 30	0 - 15,2	M 30x2	1
EE-VG 30-16	50080102	VG B 30	0 - 16,7	M 30x2	1
EE-VG 30-17	50080103	VG C 30	0 - 17,7	M 30x2	1
EE-VG 36-17	50086212		0 - 17,7	M 36x2	1
EE-VG 36-19	50080104	VG A 36	0 - 19	M 36x2	1
EE-VG 36-21	50080105	VG B 36	0 - 21,8	M 36x2	1
EE-VG 45-23	50080106	VG A 45	0 - 23,8	M 36x2	1
EE-VG 45-27	50080107	VG B 45	0 - 27,4	M 45x2	1
EE-VG 56-27	50086213		0 - 27,4	M 56x2	1
EE-VG 56-30	50080108	VG A 56	0 - 30	M 56x2	1
EE-VG 56-33	50080109	VG B 56	0 - 33,5	M 56x2	1
EE-VG 56-36	50080110	VG C 56	0 - 36,6	M 56x2	1
EE-VG 72-36	50086214		0 - 36,6	M 72x2	1
EE-VG 72-41	50086215		0 - 41,2	M 72x2	1
EE-VG 72-45	50080111	VG A 72	0 - 45,8	M 72x2	1
EE-VG 72-48	50080112	VG B 72	0 - 48	M 72x2	1



Stainless steel cable glands

WISKA's stainless steel products are used in the machine building and offshore industries amongst others. For hygiene-relevant industries such as medicine and clean room technology, biotechnology and the chemical and food industries, the company also offers a specific hygienic design solution.



HatGLAND – Hygienic Design

HatGLAND fulfils all requirements and legal regulations concerning the cleaning of components in plant construction (Machinery Directive 2006/42/ EC, DIN EN 1672-2-2005, EHEDG Documents 8 and 13).

HatGLAND offers you

- A construction form with a 25 % slope, allowing liquids to drain away quickly and easily
- No dirt collection as there are no recesses, grooves or raised areas
- Gap-free sealing concept using hygiene-compliant material
- IP 68 and 69K

Your benefit

- Higher security and quality of your installations: prevention of cable duct contamination
- Reduction of cleaning and maintenance required



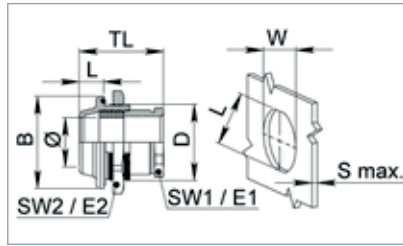
Ideal for: the food industry, medical and clean-room technologies, biotechnology, the chemical industry

- Available in stainless steel with locknut
- Nominal sizes for long slots 12 to 63 mm
- For wall thicknesses up to 10 mm
- Also available as EMC version

HatGLAND cable glands, HGSM Pack, metric



HGSM

**Protection class:**

IP 68, 5 bar 30 min / IP 69K

Material:

Gland: Stainless steel A2 (1.4305), Gasket: EPDM

HGSM, -40°C · 120°C

Type	WISKA-No.					TL (mm)	LxWxS max (mm)	BxL (mm)	
HGSM 12-E Pack	10101853	M 12	2 - 5	9	15	15,5 · 20,5	10,5x12x4	17x6	1
HGSM 16-E Pack	10101854	M 16	2 - 9	12	19	17,5 · 24,5	14,5x16x5	21x7	1
HGSM 20-E Pack	10101855	M 20	3 - 12	17	24	19,5 · 27,5	18,5x20x5,5	25x8	1
HGSM 25-E Pack	10101856	M 25	4 - 16	21	30	19,5 · 27,5	23x25x5,5	30x8	1
HGSM 32-E Pack	10101857	M 32	9 - 23	28	36	27,5 · 39,5	30x32x10	38x11	1
HGSM 40-E Pack	10101858	M 40	16 - 29	35	46	33 · 47	37x40x10	46x14	1
HGSM 50-E Pack	10101859	M 50	26 - 38	45	60	37 · 53	47x50x10	56x16	1
HGSM 63-E Pack	10101860	M 63	32 - 49	56	70	42 · 60	59x63x10	70x18	1

Protection class:

IP 68, 5 bar 30 min / IP 69K

Material:

Gland: Stainless steel A2 (1.4305), Gasket: Silicone

HGSM FD, Food, -60°C · 180°C

Type	WISKA-No.					TL (mm)	LxWxS max (mm)	BxL (mm)	
HGSM 12 FD Pack	10103623	M 12	2 - 5	9	15	15,5 · 20,5	10,5x12x4	17x6	1
HGSM 16 FD Pack	10103624	M 16	2 - 9	12	19	17,5 · 24,5	14,5x16x5	21x7	1
HGSM 20 FD Pack	10103625	M 20	3 - 12	17	24	19,5 · 27,5	18,5x20x5,5	25x8	1
HGSM 25 FD Pack	10103626	M 25	4 - 16	21	30	19,5 · 27,5	23x25x5,5	30x8	1
HGSM 32 FD Pack	10103627	M 32	9 - 23	28	36	27,5 · 39,5	30x32x10	38x11	1
HGSM 40 FD Pack	10103628	M 40	16 - 29	35	46	33 · 47	37x40x10	46x14	1
HGSM 50 FD Pack	10103629	M 50	26 - 38	45	60	37 · 53	47x50x10	56x16	1
HGSM 63 FD Pack	10103630	M 63	32 - 49	56	70	42 · 60	59x63x10	70x18	1

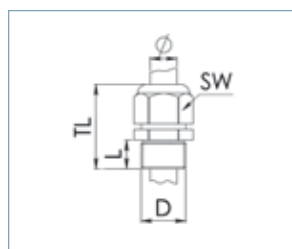
SPRINT cable glands, ESSKV, metric, EN 50262



ESSKV



ESSKV-4



Protection class: IP 68, 5 bar 30 min / IP 69K
Temperature range: -40 °C - 100 °C
Material: Gasket: EPDM, Clamping cage: Polyamide

ESSKV, stainless steel 1.4305

Type	WISKA-No.					TL (mm)	
ESSKV 12	10069000	M 12x1,5	5	3 - 7	17	23 - 30	10
ESSKV 16	10069001	M 16x1,5	5	4,5 - 10	22	26 - 34	10
ESSKV 20	10069002	M 20x1,5	6	6 - 13	24	29 - 37	10
ESSKV 25	10069003	M 25x1,5	7	9 - 17	30	33 - 42	10
ESSKV 32	10069004	M 32x1,5	8	13 - 21	36	36 - 44	5
ESSKV 40	10069005	M 40x1,5	8	16 - 28	46	44 - 55	5
ESSKV 50	10069006	M 50x1,5	9	21 - 35	55	51 - 62	2
ESSKV 63	10069007	M 63x1,5	10	34 - 48	68	56 - 67	1

ESSKV-4, stainless steel 1.4404

Type	WISKA-No.					TL (mm)	
ESSKV-4 12	10069100	M 12x1,5	5	3 - 7	17	23 - 30	10
ESSKV-4 16	10069101	M 16x1,5	5	4,5 - 10	22	26 - 34	10
ESSKV-4 20	10069102	M 20x1,5	6	6 - 13	24	29 - 37	10
ESSKV-4 25	10069103	M 25x1,5	7	9 - 17	30	33 - 42	10
ESSKV-4 32	10069104	M 32x1,5	8	13 - 21	36	36 - 44	5
ESSKV-4 40	10069105	M 40x1,5	8	16 - 28	46	44 - 55	5
ESSKV-4 50	10069106	M 50x1,5	9	21 - 35	55	51 - 62	2
ESSKV-4 63	10069107	M 63x1,5	10	34 - 48	68	56 - 67	1

Recommended accessories

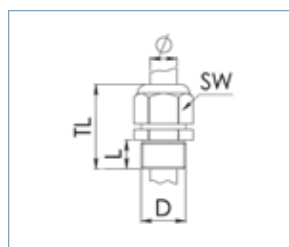


SPRINT cable glands LowTemp, ESSKV LT, metric, EN 50262

ESSKV LT



ESSKV-4 LT



Protection class: IP 68, 5 bar 30 min / IP 69K
Temperature range: -60 °C - 100 °C
Material: Gasket: EPDM, Clamping cage: Polyamide

ESSKV LT, stainless steel 1.4305

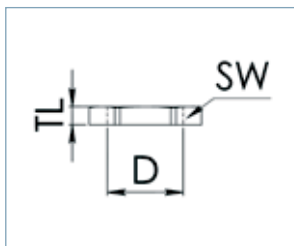
Type	WISKA-No.					TL (mm)	
ESSKV 12 LT	10065962	M 12x1,5	5	3 - 7	17	23 - 30	10
ESSKV 16 LT	10065963	M 16x1,5	5	4,5 - 10	22	26 - 34	10
ESSKV 20 LT	10065964	M 20x1,5	6	6 - 13	24	29 - 37	10
ESSKV 25 LT	10065965	M 25x1,5	7	9 - 17	30	33 - 42	10
ESSKV 32 LT	10065966	M 32x1,5	8	13 - 21	36	36 - 44	5
ESSKV 40 LT	10065967	M 40x1,5	8	16 - 28	46	44 - 55	5
ESSKV 50 LT	10065968	M 50x1,5	9	21 - 35	55	51 - 62	2
ESSKV 63 LT	10065969	M 63x1,5	10	34 - 48	68	56 - 67	1

ESSKV-4 LT, stainless steel 1.4404

Type	WISKA-No.					TL (mm)	
ESSKV-4 12 LT	10065881	M 12x1,5	5	3 - 7	17	23 - 30	10
ESSKV-4 16 LT	10065882	M 16x1,5	5	4,5 - 10	22	26 - 34	10
ESSKV-4 20 LT	10065883	M 20x1,5	6	6 - 13	24	29 - 37	10
ESSKV-4 25 LT	10065884	M 25x1,5	7	9 - 17	30	33 - 42	10
ESSKV-4 32 LT	10065885	M 32x1,5	8	13 - 21	36	36 - 44	5
ESSKV-4 40 LT	10065886	M 40x1,5	8	16 - 28	46	44 - 55	5
ESSKV-4 50 LT	10065887	M 50x1,5	9	21 - 35	55	51 - 62	2
ESSKV-4 63 LT	10065888	M 63x1,5	10	34 - 48	68	56 - 67	1

Recommended accessories

Locknuts, ESMU, metric



ESMU


Material:

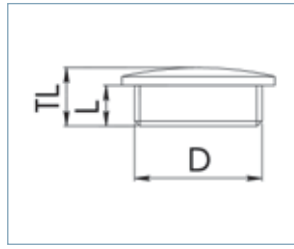
Stainless steel 1.4305

Type	WISKA-No.			TL (mm)	
ESMU 12	10064188	M 12x1,5	15	2,8	10
ESMU 16	10064189	M 16x1,5	19	2,8	10
ESMU 20	10064190	M 20x1,5	24	3	10
ESMU 25	10064191	M 25x1,5	30	3,5	10
ESMU 32	10064192	M 32x1,5	36	4	5
ESMU 40	10064193	M 40x1,5	46	5	5
ESMU 50	10064194	M 50x1,5	60	5	2
ESMU 63	10064195	M 63x1,5	70	6	1

Stop ends, ESVS, metric



ESVS



Protection class:

IP 54

Material:

Stainless steel 1.4305

Type	WISKA-No.			TL (mm)	
ESVS 12	10065460	M 12x1,5	5	7,5	10
ESVS 16	10065461	M 16x1,5	5	8	10
ESVS 20	10065462	M 20x1,5	6,5	9,5	10
ESVS 25	10065463	M 25x1,5	7	11	10
ESVS 32	10065464	M 32x1,5	8	12	5
ESVS 40	10065465	M 40x1,5	8,5	13	5
ESVS 50	10065466	M 50x1,5	9	15	2
ESVS 63	10065467	M 63x1,5	10	16	1

Recommended accessories



ESMU
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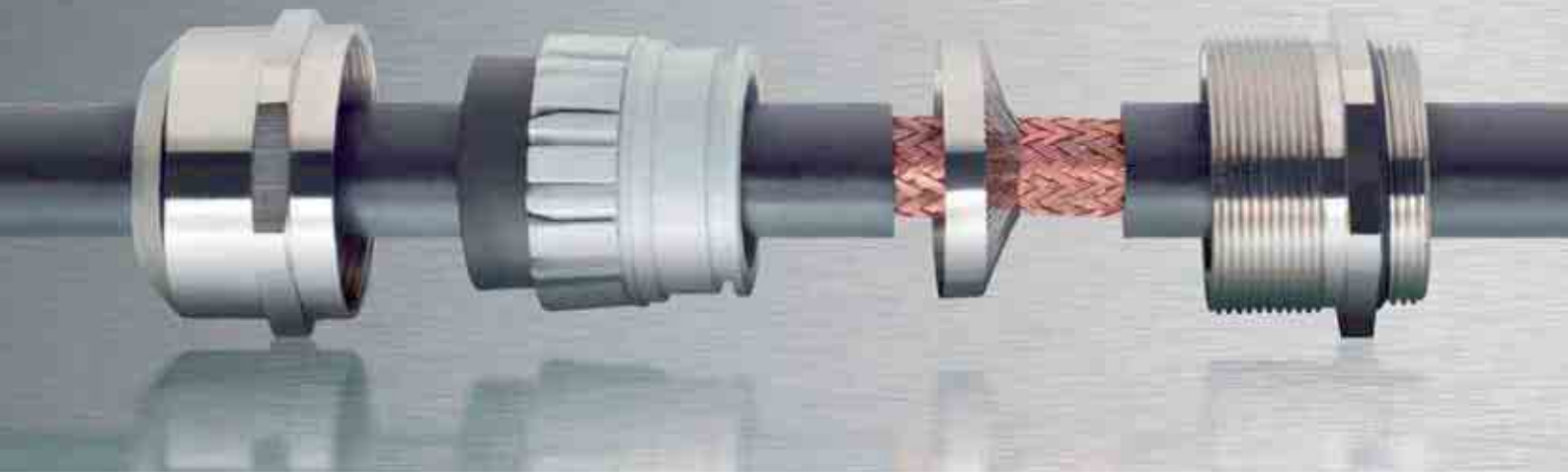


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EMC cable glands

Modern technologies are constantly becoming more demanding and complex. This increases the vulnerability of electronic components to electromagnetic disturbances. To protect against such interactions, WISKA offers two different approaches to EMC cable glands which ensure effective shielding and durable impermeability for individual uses with IP 68 / 69K.



Basics EMC

Modern technologies and modern products are becoming more and more efficient and complex. The demands on general safety and functional reliability are constantly increasing. More electromagnetic interlinks are taking place as a result of the rising number of electronic appliances. As a result, the “EMC Law” was passed. Since 01.01.1996 there is an EU Directive of Electromagnetic Compatibility 93/68 EEC. In the EMC Directive, the following objectives are agreed upon:

- A harmonised and acceptable level of protection
- Electronic devices must not disturb one another
- Devices must have their own adequate level of intrinsic immunity to electromagnetic disturbances

The following requirements on an EMC cable and wiring entry points result from the EMC Law and diverse VDE (Association for Electrical, Electronic & Information Technologies) and ZVEI (Zentralverband Elektrotechnik und Elektronikindustrie e.V.) Directives:

1. The connection of the cable shield/housing must have low ohmic and inductive resistance
 2. Ring-shaped 360° contacting (low ohmic resistance)
 3. Short shield (low inductive resistance)
 4. Low resistance must be ensured for all environmental influences (dust, humidity, temperature)
 5. Large contact surface between the cable shield and the screw connection in order to avoid corrosion and guarantee a good conductive connection.
- To test the shielding performance of an EMC screw connection, one must view the system screw connection, housing and cables. The obtained measuring result is largely influenced by the shielding effectiveness of the cable used for testing.



As there is no stipulated product test standard, the Defence Equipment Standard is used for these cases. The SPRINT screw connections made by WISKA have been tested by an accredited institute according to the following standards:



VG 95370, Part 15

Electromagnetic compatibility of and in systems Measuring procedures for couplings and shields

VG 95375, Part 3

Electromagnetic compatibility Basics and measures for the development of systems; - wiring -

VG 95375, Part 4

Electromagnetic compatibility Basics and measures for the development of systems; - shielding -

VG 95373, Part 15

Electromagnetic compatibility of devices Measuring procedures for couplings and shields

VG 95373, Part 25

Electromagnetic compatibility of devices Limit values for couplings and shields

VG 95373, Part 60

Electromagnetic compatibility of devices Limit values for shielded plug-in connectors

Coupling impedance

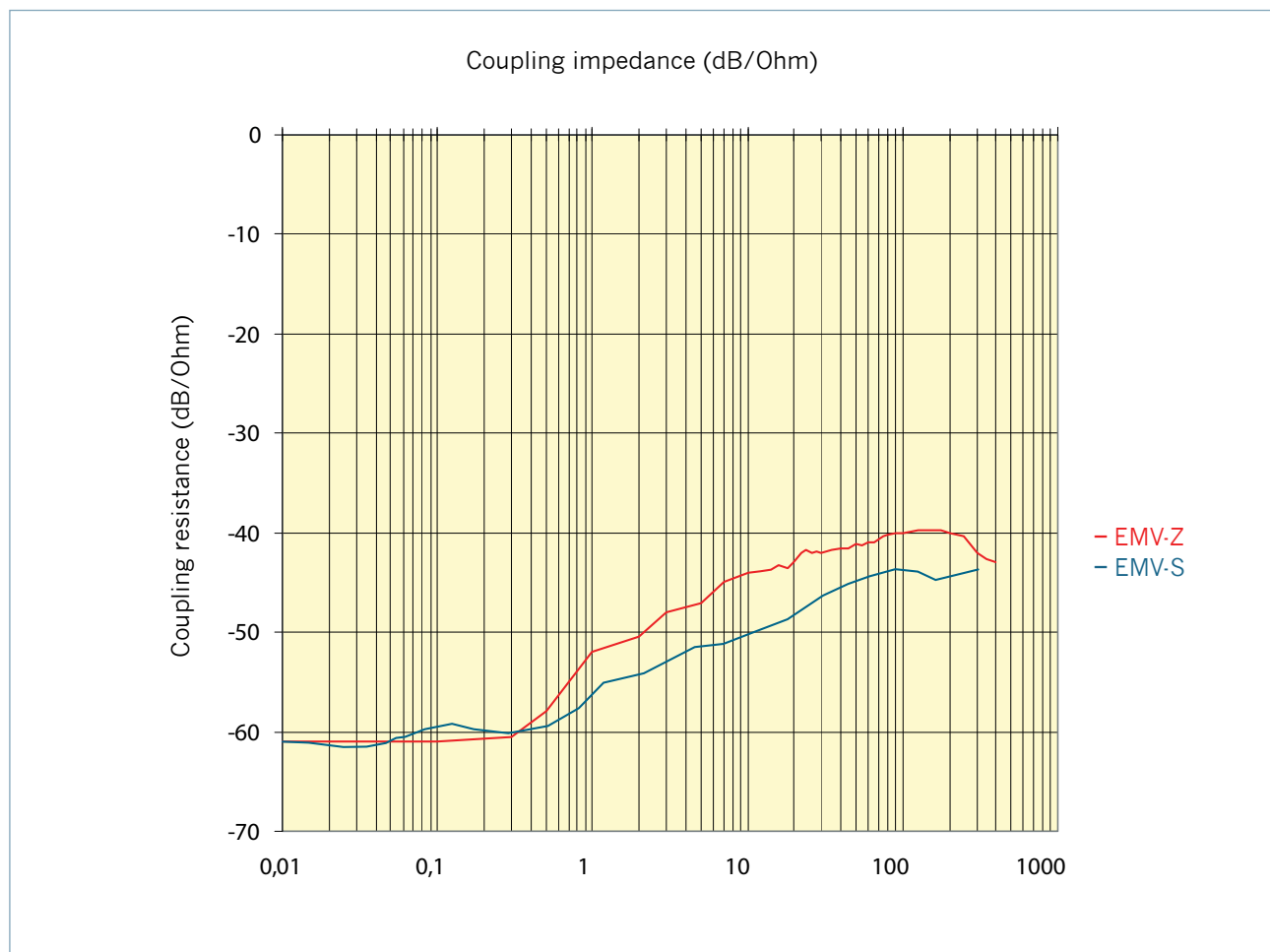
The cable entries were installed into the partition of the HF-proof double housings for the measurement. The cable entries were configured with pieces of cable (marine cable with a coverage factor of 80%). The cable shield exposed by stripping demonstrated the required homogeneous connection by the way of the cable cones or the contact ring. The cable shields served as internal conductors for this "test configuration".

Result - Coupling impedance

The measurements were carried out in the frequency range 10kHz – 400 MHz:

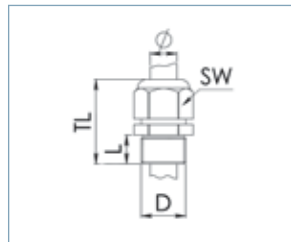
- Coupling impedance between a cable shield and the shield wall and/or earth.

The diagram shows the frequency-dependent coupling impedance values in dBΩ for type EMSKV-Z and -S.



Progress of coupling impedance of the cable entry

SPRINT EMC cable glands with contact spring insert, EMSKV EMV-S, brass nickel-plated, metric



EMSKV EMV-S



Protection class:

IP 68, 5 bar 30 min / IP 69K

Temperature range:

-40 °C - 100 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Contact spring insert: Stainless steel (1.4310), Gasket: EPDM

Type	WISKA-No. Ni						TL (mm)	
EMSKV 12 EMV-S	10102273	M 12x1,5	5	3 · 7	2 · 6	16	23 · 30	50
EMSKV 16 EMV-S	10102274	M 16x1,5	5	4,5 · 10	3 · 9	20	26 · 34	50
EMSKV 20 EMV-S	10102275	M 20x1,5	6	6 · 13	5 · 12	24	29 · 37	50
EMSKV 25 EMV-S	10102276	M 25x1,5	7	9 · 17	7,5 · 13,5	29	33 · 42	50
EMSKV 32 EMV-S	10102277	M 32x1,5	8	13 · 21	11 · 19	36	36 · 44	25
EMSKV 40 EMV-S	10102278	M 40x1,5	8	16 · 28	14 · 26	46	44 · 55	10
EMSKV 50 EMV-S	10102279	M 50x1,5	9	21 · 35	18 · 32	55	51 · 62	10
EMSKV 63 EMV-S	10102280	M 63x1,5	10	34 · 48	30 · 44	68	56 · 67	10

Recommended accessories



EMMU-EMV
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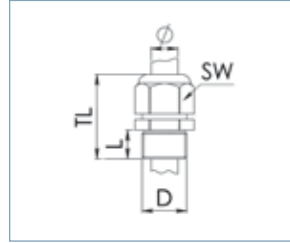


RDE
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BS
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SPRINT EMC cable glands with earthing cones DIN 89345, EMSKV EMV-Z, brass nickel-plated, metric, EN 50262



EMSKV EMV-Z



Protection class: IP 68, 5 bar 30 min / IP 69K

Temperature range: -40 °C - 100 °C

Material: Gland: Brass nickel-plated, Clamping cage: Polyamide, Earthing cones: Brass chromium-plated, Gasket: EPDM

EMSKV EMV-Z

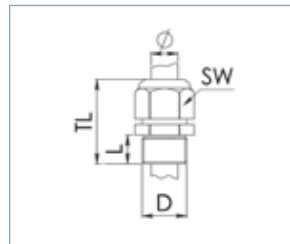
Type	WISKA-No. Ni						TL (mm)	
EMSKV 12 EMV-Z	10065016	M 12x1,5	5	3 - 7	5	16	23 - 30	50
EMSKV 16 EMV-Z	10065017	M 16x1,5	5	4,5 - 10	7,5	20	26 - 34	50
EMSKV 20 EMV-Z	10065018	M 20x1,5	6	6 - 13	9,5	24	29 - 37	50
EMSKV 25 EMV-Z	10065019	M 25x1,5	7	9 - 17	16	29	33 - 42	50
EMSKV 32 EMV-Z	10065020	M 32x1,5	8	13 - 21	20	36	36 - 44	25
EMSKV 40 EMV-Z	10065021	M 40x1,5	8	16 - 28	26	46	44 - 55	10
EMSKV 50 EMV-Z	10065022	M 50x1,5	9	21 - 35	33	55	51 - 62	10
EMSKV 63 EMV-Z	10065023	M 63x1,5	10	34 - 48	45	68	56 - 67	10
EMSKV 75 EMV-Z	10100963	M 75x1,5	12	48 - 63	58	82	67 - 81	1

EMSKV-L EMV-Z, long

Type	WISKA-No. Ni						TL (mm)	
EMSKV-L 12 EMV-Z	10065182	M 12x1,5	12	3 - 7	5	16	30 - 37	50
EMSKV-L 16 EMV-Z	10065183	M 16x1,5	12	4,5 - 10	7,5	20	33 - 41	50
EMSKV-L 20 EMV-Z	10065184	M 20x1,5	12	6 - 13	9,5	24	35 - 43	50
EMSKV-L 25 EMV-Z	10065185	M 25x1,5	12	9 - 17	16	29	38 - 47	50
EMSKV-L 32 EMV-Z	10065186	M 32x1,5	15	13 - 21	20	36	43 - 51	25
EMSKV-L 40 EMV-Z	10065187	M 40x1,5	15	16 - 28	26	46	51 - 62	10
EMSKV-L 50 EMV-Z	10065188	M 50x1,5	15	21 - 35	33	55	57 - 68	10
EMSKV-L 63 EMV-Z	10065189	M 63x1,5	15	34 - 48	45	68	61 - 72	10

Recommended accessories



SPRINT EMC cable glands with earthing cones DIN 89345, ESSKV EMV-Z, stainless steel, metric, EN 50262


ESSKV EMV-Z / ESSKV-4 EMV-Z


Protection class: IP 68, 5 bar 30 min / IP 69K

Temperature range: -40 °C - 100 °C

Material: Gland: Stainless steel A2 (1.4305), Clamping cage: Polyamide, Earthing cones: Brass chromium-plated, Gasket: EPDM

ESSKV EMV-Z, stainless steel 1.4305

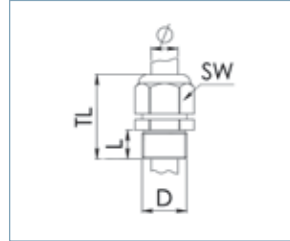
Type	WISKA-No.						TL (mm)	
ESSKV 12 EMV-Z	10069016	M 12x1,5	5	3 - 7	5	17	23 - 30	50
ESSKV 16 EMV-Z	10069017	M 16x1,5	5	4,5 - 10	7,5	22	26 - 34	10
ESSKV 20 EMV-Z	10069018	M 20x1,5	6	6 - 13	9,5	24	29 - 37	10
ESSKV 25 EMV-Z	10069019	M 25x1,5	7	9 - 17	16	30	33 - 42	10
ESSKV 32 EMV-Z	10069020	M 32x1,5	8	13 - 21	20	36	36 - 44	5
ESSKV 40 EMV-Z	10069021	M 40x1,5	8	16 - 28	26	46	44 - 55	5
ESSKV 50 EMV-Z	10069022	M 50x1,5	9	21 - 35	33	55	51 - 62	2
ESSKV 63 EMV-Z	10069023	M 63x1,5	10	34 - 48	45	68	56 - 67	1

ESSKV-4 EMV-Z, stainless steel 1.4404

Type	WISKA-No.						TL (mm)	
ESSKV-4 12 EMV-Z	10069116	M 12x1,5	5	3 - 7	5	17	23 - 30	10
ESSKV-4 16 EMV-Z	10069117	M 16x1,5	5	4,5 - 10	7,5	22	26 - 34	10
ESSKV-4 20 EMV-Z	10069118	M 20x1,5	6	6 - 13	9,5	24	29 - 37	10
ESSKV-4 25 EMV-Z	10069119	M 25x1,5	7	9 - 17	16	30	33 - 42	10
ESSKV-4 32 EMV-Z	10069120	M 32x1,5	8	13 - 21	20	36	36 - 44	5
ESSKV-4 40 EMV-Z	10069121	M 40x1,5	8	16 - 28	26	46	44 - 55	5
ESSKV-4 50 EMV-Z	10069122	M 50x1,5	9	21 - 35	33	55	51 - 62	2
ESSKV-4 63 EMV-Z	10069123	M 63x1,5	10	34 - 48	45	68	56 - 67	1

Recommended accessories


SPRINT EMC cable glands LowTemp with earthing cones DIN 89345, ESSKV LT EMV-Z, stainless steel, metric, EN 50262



ESSKV LT EMV-Z / ESKV-4 LT EMV-Z



Protection class: IP 68, 5 bar 30 min / IP 69K

Temperature range: -60 °C - 100 °C

Material: Gland: Stainless steel A2 (1.4305), Clamping cage: Polyamide, Earthing cones: Brass chromium-plated, Gasket: Silicone

ESSKV LT EMV-Z, stainless steel 1.4305

Type	WISKA-No.						TL (mm)	
ESSKV 12 LT EMV-Z	10065954	M 12x1,5	5	3 - 7	5	17	23 - 30	50
ESSKV 16 LT EMV-Z	10065955	M 16x1,5	5	4,5 - 10	7,5	22	26 - 34	10
ESSKV 20 LT EMV-Z	10065956	M 20x1,5	6	6 - 17	9,5	24	29 - 37	10
ESSKV 25 LT EMV-Z	10065957	M 25x1,5	7	9 - 17	16	30	33 - 42	10
ESSKV 32 LT EMV-Z	10065958	M 32x1,5	8	13 - 21	20	36	36 - 44	5
ESSKV 40 LT EMV-Z	10065959	M 40x1,5	8	16 - 28	26	46	44 - 55	5
ESSKV 50 LT EMV-Z	10065960	M 50x1,5	9	21 - 35	33	55	51 - 62	2
ESSKV 63 LT EMV-Z	10065961	M 63x1,5	10	34 - 48	45	68	56 - 67	1

ESSKV-4 LT EMV-Z, stainless steel 1.4404

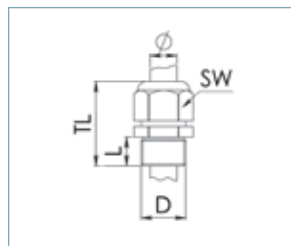
Type	WISKA-No.						TL (mm)	
ESSKV-4 12 LT EMV-Z	10065873	M 12x1,5	5	3 - 7	5	17	23 - 30	10
ESSKV-4 16 LT EMV-Z	10065874	M 16x1,5	5	4,5 - 10	7,5	22	26 - 34	10
ESSKV-4 20 LT EMV-Z	10065875	M 20x1,5	6	6 - 13	9,5	24	29 - 37	10
ESSKV-4 25 LT EMV-Z	10065876	M 25x1,5	7	9 - 17	16	30	33 - 42	10
ESSKV-4 32 LT EMV-Z	10065877	M 32x1,5	8	13 - 21	20	36	36 - 44	5
ESSKV-4 40 LT EMV-Z	10065878	M 40x1,5	8	16 - 28	26	46	44 - 55	5
ESSKV-4 50 LT EMV-Z	10065879	M 50x1,5	9	21 - 35	33	55	51 - 62	2
ESSKV-4 63 LT EMV-Z	10065880	M 63x1,5	10	34 - 48	45	68	56 - 67	1

Recommended accessories



SPRINT EMC cable glands with earthing cones DIN 89345, brass nickel-plated

PMSKV EMV-Z



Protection class:
Temperature range:
Material:

IP 68, 5 bar 30 min / IP 69K

-40 °C - 100 °C

Gland: Brass nickel-plated, Clamping cage: Polyamide, Earthing cones: Brass chromium-plated, Gasket: EPDM

PMSKV EMV-Z, PG

Type	WISKA-No. Ni	 D (mm)	 (mm)	 (mm)	 (mm)	 SW (mm)	TL (mm)
PMSKV 7-12 EMV-Z	10100694	PG 7	5	3 - 7	5	16	23 - 30
PMSKV 7-16 EMV-Z	10100695	PG 7	5	4,5 - 10	7,5	20	26 - 34
PMSKV 9-16 EMV-Z	10101011	PG 9	5	4,5 - 10	7,5	20	26 - 34
PMSKV 11-16 EMV-Z	10100696	PG 11	6	4,5 - 10	7,5	22	27 - 35
PMSKV 11-20 EMV-Z	10100697	PG 11	6	6 - 13	9,5	24	32 - 40
PMSKV 13,5-20 EMV-Z	10100698	PG 13,5	6	6 - 13	9,5	24	28 - 36
PMSKV 13,5-25 EMV-Z	10101196	PG 13,5	6	9 - 17	16	29	33 - 42
PMSKV 16-20 EMV-Z	10100699	PG 16	6	6 - 13	9,5	29	28 - 36
PMSKV 16-25 EMV-Z	10100700	PG 16	6	9 - 17	16	29	32 - 41
PMSKV 21-25 EMV-Z	10100701	PG 21	7	9 - 17	16	36	33 - 42
PMSKV 21-32 EMV-Z	10100702	PG 21	7	13 - 21	20	36	39 - 42
PMSKV 29-40 EMV-Z	10100703	PG 29	8	16 - 28	26	46	44 - 55
PMSKV 36-50 EMV-Z	10100704	PG 36	9	21 - 35	33	55	51 - 62
PMSKV 42-50 EMV-Z	10100705	PG 42	10	21 - 35	33	60	52 - 63
PMSKV 48-63 EMV-Z	10100706	PG 48	10	34 - 48	45	68	56 - 67

NMSKV EMV-Z, NPT, EN 50262

Type	WISKA-No. Ni	 D (mm)	 (mm)	 (mm)	 (mm)	 SW (mm)	TL (mm)
NMSKV 1/4 EMV-Z	10065488	NPT 1/4"	13	3 - 7	5	16	33 - 44
NMSKV 3/8 EMV-Z	10065489	NPT 3/8	13	4,5 - 10	7,5	20	35 - 42
NMSKV 1/2 EMV-Z	10065490	NPT 1/2"	16	6 - 13	9,5	24	38 - 45
NMSKV 3/4 EMV-Z	10065491	NPT 3/4"	16	9 - 17	16	29	40 - 48
NMSKV 1 EMV-Z	10065492	NPT 1"	20	13 - 21	20	36	46 - 53
NMSKV 1 1/4 EMV-Z	10065493	NPT 1 1/4"	20	16 - 28	26	46	50 - 58
NMSKV 1 1/2 EMV-Z	10065494	NPT 1 1/2"	20	21 - 35	33	55	51 - 62
NMSKV 2 EMV-Z	10065495	NPT 2"	21	34 - 48	45	68	56 - 67

Recommended accessories

SPRINT EMC earthing cones to DIN 89345, EE, brass chromium plated

EE



Advice:
Material:

* Similar DIN 89345
Brass chromium-plated

Type	WISKA-No. Cr	 (mm)		
EE 10-03*	50101021	3	HatGLAND 12	1
EE 12-05*	50085887	5	SPRINT 12	1
EE 14-07*	50101022	7	HatGLAND 16	1
EE 16-06	50084648	6	SPRINT 16 / KVM 16	1
EE 16-07*	50085652	7,5	SPRINT 16 / KVM 16	1
EE 18-06	50084649	6	SPRINT20 / KVM18 / HatGLAND20	1
EE 18-07	50080958	7	SPRINT20 / KVM18 / HatGLAND20	1
EE 18-09*	50085650	9,5	SPRINT20 / KVM18 / HatGLAND20	1
EE 22-14*	50101023	14,5	HatGLAND 25	1
EE 24-06	50084650	6	SPRINT 25 / KVM 24	1
EE 24-07	50080960	7	SPRINT 25 / KVM 24	1
EE 24-08	50084651	8	SPRINT 25 / KVM 24	1
EE 24-10	50080962	10,5	SPRINT 25 / KVM 24	1
EE 24-13	50080963	13	SPRINT 25 / KVM 24	1
EE 24-14	50080964	14,5	SPRINT 25 / KVM 24	1
EE 24-16*	50085654	16	SPRINT 25 / KVM 24	1
EE 30-16	50084652	16	SPRINT32 / KVM30 / HatGLAND32	1
EE 30-18	50081743	18	SPRINT32 / KVM30 / HatGLAND32	1
EE 30-20*	50085655	20	SPRINT32 / KVM30 / HatGLAND32	1
EE 36-20	50080967	20	SPRINT40 / KVM36 / HatGLAND40	1
EE 36-22	50084653	22	SPRINT40 / KVM36 / HatGLAND40	1
EE 36-24	50080969	24	SPRINT40 / KVM36 / HatGLAND40	1
EE 36-26*	50085656	26	SPRINT40 / KVM36 / HatGLAND40	1
EE 45-27	50081592	27	SPRINT50 / KVM45 / HatGLAND50	1
EE 45-30	50081407	30	SPRINT50 / KVM45 / HatGLAND50	1
EE 45-33*	50085657	33	SPRINT50 / KVM45 / HatGLAND50	1
EE 56-35	50081406	35	SPRINT63 / KVM56 / HatGLAND63	1
EE 56-39	50080768	39	SPRINT63 / KVM56 / HatGLAND63	1
EE 56-45*	50085658	45	SPRINT63 / KVM56 / HatGLAND63	1
EE 72-49	50080954	49	KVM 72	1
EE 72-44	50080955	44	KVM 72	1
EE 72-58	50085659	58	KVM 72	1
EE 80-62*	50082650	62	KVM 80	1
EE 105-72*	50084654	72	KVM 105	1
EE 105-77*	50084655	77	KVM 105	1

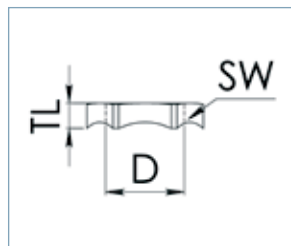
EMC locknuts, brass nickel-plated



EMMU-EMV



MMU-EMV

**Material:**

Brass nickel-plated

EMMU-EMV, metric

Type	WISKA-No. Ni	 D (mm)	 SW (mm)	TL (mm)	
EMMU-EMV 12	10063210	M 12x1,5	15	4,7	100
EMMU-EMV 16	10063211	M 16x1,5	19	4,7	100
EMMU-EMV 20	10063212	M 20x1,5	24	4,7	100
EMMU-EMV 25	10063213	M 25x1,5	30	5,2	100
EMMU-EMV 32	10063214	M 32x1,5	36	5,7	100
EMMU-EMV 40	10063215	M 40x1,5	46	6,5	50
EMMU-EMV 50	10063216	M 50x1,5	60	7	50
EMMU-EMV 63	10063217	M 63x1,5	70	7	25
EMMU-EMV 75	10102228	M 75x1,5	80	10	1

MMU-EMV, PG

Type	WISKA-No. Ni	 D (mm)	 SW (mm)	TL (mm)	
MMU-EMV 7	10063218	PG 7	15	4,7	100
MMU-EMV 9	10063219	PG 9	18	4,7	100
MMU-EMV 11	10063220	PG 11	21	4,7	100
MMU-EMV 13,5	10063221	PG 13,5	23	4,7	100
MMU-EMV 16	10063222	PG 16	26	4,7	100
MMU-EMV 21	10063223	PG 21	32	5,2	50
MMU-EMV 29	10063224	PG 29	41	5,7	50
MMU-EMV 36	10063225	PG 36	51	6,5	50
MMU-EMV 42	10063226	PG 42	60	7	50
MMU-EMV 48	10063227	PG 48	64	7	50



EX cable glands

For hazardous areas, for example oil platforms, dangerous goods warehouses or chemical industries, WISKA offers EX cable glands with various types of protection. Whether to meet requirements for a flameproof enclosure, increased safety or intrinsic safety, the EX range includes everything from cable glands to stop ends, enlargements and adaptors.



Basics EX

1. Zone Classification

Hazardous locations are classified into zones to facilitate the selection of appropriate electrical apparatus as well as the design of suitable electrical installations. Information and specifications for the classification into zones are included in IEC 60 079-10 and in national standards.

The following table contains an overview of the zones and allocation of equipment (equipment category according to 94/9/EC) for the relevant zones:

Gases, Vapours, Mists	Dusts	Definition (94/9/EC): explosive atmosphere is present
Zone 0 → Category 1 G	Zone 20 → Category 1 D	continuously or longterm or frequently
Zone 1 → Category 2 G	Zone 21 → Category 2 D	occasionally
Zone 2 → Category 3 G	Zone 22 → Category 3 D	infrequently or short period

G= Gases, D = Dusts

If there are any doubts with the zone classification, the scope of the protective measures in the entire hazardous location should be based on the highest possible degree of likelihood of the occurrence of dangerous explosive atmosphere. In such cases use of specialists is recommended.

2. Explosion Groups and Temperature Classes

It would be uneconomical and sometimes not even possible to design all explosion protected electrical apparatus in such way that it always meets the maximum safety requirements, regardless of the use in each case. For this reason, the equipment is classified into groups and temperature classes in accordance with the properties of the explosive atmosphere for which it is intended.

First of all a differentiation is made between two groups of equipment:

Group I: Electrical apparatus for mining.

Group II: Electrical apparatus for all remaining potentially explosive atmospheres.

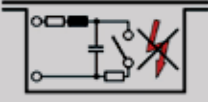
In the case of electrical apparatus in Group I (mining), it is assumed that the only flammable gas to occur is methane, but in combination with coal dust. Other flammable gases which can also occur in these areas must be further classified as shown in Group II. Electrical apparatus in Group II is further classified into explosion groups and temperature classes.

Explosion Groups

The ignitability and explosion characteristics of an explosive mixture are properties typical of the material. The gases and vapours are classified into explosion groups. Classification criteria are the "Maximum Experimental Safe Gap (MESG)" and the "Minimum Ignition Current (MIC)". The MESG and MIC are determined for the various gases and vapours according to a stipulated testing arrangement. The maximum experimental safe gap is the gap width of a vessel with an adjustable gap of 25 mm path length at which an internal ignition of an explosive mixture is not propagated to the exterior (IEC 60 079-1A). The minimum ignition current relates to the minimum ignition current for laboratory methane (IEC 60 079-3).

Examples for the Classification of Gases and Vapours into Explosion Groups and Temperature Classes

I		II A	II B	II C
T1	Methane	Acetone, Ethane, Ethyl ethanoate, Ammonia, Benzol (pure) Ethanoic acid, Carbon oxide, Methane, Methanol, Propane, Toluene	Coal gas (lighting gas)	Hydrogen
T2	Ethanol, i-Amyl acetate, n-Butane, n-Butyl alcohol		Ethylene	Acetylene
T3	Benzine, Diesel fuel, Aircraft fuel, Heating oils, n-Hexane			
T4	Acetaldehyde Ethylether			
T5				
T6				Carbon disulphide

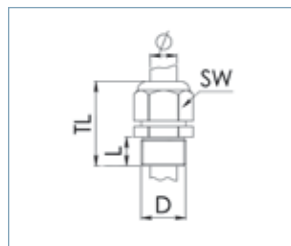
Type of protection in accordance with IEC	Basic principle	Diagram	Main application
Flameproof enclosure d IEC 60 079-1	Parts which can ignite a potentially explosive atmosphere are surrounded by an enclosure which withstands the pressure of an explosive mixture exploding inside the enclosure and prevents the propagation of the explosion to the atmosphere surrounding the enclosure.		Switchgear and controlgear and indicating equipment, control systems, motors, transformers, heating equipment, light fittings
Increased safety e IEC 60 079-7	Additional measures are taken to increase the level of safety, thus preventing the possibility of unacceptably high temperatures and the creation of sparks or electric arcs within the enclosure or on exposed parts of electrical apparatus parts, where such ignition sources would not occur under normal operation.		Terminal and connection boxes, control boxes for installing Ex-components (which have a different type of protection), squirrel-cage motors, light fittings
Intrinsic safety i IEC 60 079-11	Apparatus used in a potentially explosive area contain intrinsically safe electric circuits only. An electric circuit is intrinsically safe if no sparks or thermal effects are produced under specified test conditions (which include normal operation and specific fault conditions) which might result in the ignition of a specified potentially explosive atmosphere.		Measurement and control technology, communication technology, sensors, actuators

SPRINT EX cable glands, ESKE/1-e, for increased safety, polyamide, metric


ESKE/1-e



ESKE/1-L-e


Marking:

II 2 G Ex e IIC Gb
I 2 D Ex tb IIIC Db IP68

Approval:

IECEx PTB 13.0034X
PTB 13 ATEX 1015X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Glow wire test:

750 °C

Temperature range:

-40 °C · 75 °C

Material:

Gland: Polyamide, Gasket: EPDM

ESKE/1-e

Type	WISKA-No. RAL 9005					TL (mm)	
ESKE/1-e 12	10103363	M 12x1,5	9	3 · 6	16	29 · 34	50
ESKE/1-e 16	10103364	M 16x1,5	9	4,5 · 9	20	31 · 37	50
ESKE/1-e 20	10103365	M 20x1,5	10	7 · 13	24	36 · 45	50
ESKE/1-e 25	10103366	M 25x1,5	10	10 · 17	29	38 · 47	50
ESKE/1-e 32	10103367	M 32x1,5	12	13 · 21	36	42 · 51	25
ESKE/1-e 40	10103368	M 40x1,5	12	17 · 28	46	52 · 65	10
ESKE/1-e 50	10103369	M 50x1,5	14	23 · 35	55	59 · 72	4
ESKE/1-e 63	10103370	M 63x1,5	15	34 · 48	68	64 · 78	1

ESKE/1-L-e, long

Type	WISKA-No. RAL 9005					TL (mm)	
ESKE/1-L-e 12	10103379	M 12x1,5	15	3 · 6	16	35 · 40	50
ESKE/1-L-e 16	10103380	M 16x1,5	15	4,5 · 9	20	37 · 43	50
ESKE/1-L-e 20	10103381	M 20x1,5	15	7 · 13	24	41 · 48	50
ESKE/1-L-e 25	10103382	M 25x1,5	15	10 · 17	29	43 · 51	50
ESKE/1-L-e 32	10103383	M 32x1,5	15	13 · 21	36	45 · 53	25
ESKE/1-L-e 40	10103384	M 40x1,5	18	17 · 28	46	58 · 71	10
ESKE/1-L-e 50	10103385	M 50x1,5	18	23 · 35	55	63 · 76	4
ESKE/1-L-e 63	10103386	M 63x1,5	18	34 · 48	68	67 · 81	1

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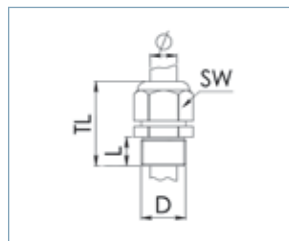
SPRINT EX cable glands LowTemp, ESKE/1-e LT, for increased safety, polyamide, metric



ESKE/1-e LT



ESKE/1-L-e LT



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEx PTB 13.0034X
PTB 13 ATEX 1015X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Glow wire test:

750 °C

Temperature range:

-60 °C - 75 °C

Material:

Gland: Polyamide, Gasket: Silicone

ESKE/1-e LT

Type	WISKA-No. RAL 9005	D (mm)	L (mm)	mm	SW (mm)	TL (mm)	
ESKE/1-e 12 LT	10103429	M 12x1,5	9	3 - 6	16	29 - 34	50
ESKE/1-e 16 LT	10103430	M 16x1,5	9	4,5 - 9	20	31 - 37	50
ESKE/1-e 20 LT	10103431	M 20x1,5	10	7 - 13	24	36 - 45	50
ESKE/1-e 25 LT	10103432	M 25x1,5	10	10 - 17	29	38 - 47	50
ESKE/1-e 32 LT	10103433	M 32x1,5	12	13 - 21	36	42 - 51	25
ESKE/1-e 40 LT	10103434	M 40x1,5	12	17 - 28	46	52 - 65	10
ESKE/1-e 50 LT	10103435	M 50x1,5	14	23 - 35	55	59 - 72	4
ESKE/1-e 63 LT	10103436	M 63x1,5	15	34 - 48	68	64 - 78	1

ESKE/1-L-e LT, long

Type	WISKA-No. RAL 9005	D (mm)	L (mm)	mm	SW (mm)	TL (mm)	
ESKE/1-L-e 12 LT	10103445	M 12x1,5	15	3 - 6	16	35 - 40	50
ESKE/1-L-e 16 LT	10103446	M 16x1,5	15	4,5 - 9	20	37 - 43	50
ESKE/1-L-e 20 LT	10103447	M 20x1,5	15	7 - 13	24	41 - 48	50
ESKE/1-L-e 25 LT	10103448	M 25x1,5	15	10 - 17	29	43 - 51	50
ESKE/1-L-e 32 LT	10103449	M 32x1,5	15	13 - 21	36	45 - 53	25
ESKE/1-L-e 40 LT	10103450	M 40x1,5	18	17 - 28	46	58 - 71	10
ESKE/1-L-e 50 LT	10103451	M 50x1,5	18	23 - 35	55	63 - 76	4
ESKE/1-L-e 63 LT	10103452	M 63x1,5	18	34 - 48	68	67 - 81	1

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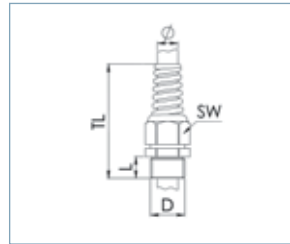
SPRINT EX cable glands with flex protection, ESKE/1S-e, for increased safety, polyamide, metric



ESKE/1S-e



ESKE/1S-L-e



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEx PTB 13.0034X
PTB 13 ATEX 1015X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Glow wire test:

750 °C

Temperature range:

-40 °C - 100 °C

Colour:

RAL 5012 / 9005

Material:

Gland: Polyamide, Gasket: EPDM

ESKE/1S-e

Type	WISKA-No. RAL 9005	 D (mm)	 L (mm)	 (mm)	 SW (mm)	TL (mm)	
ESKE/1S-e 12	10103493	M 12x1,5	9	3 - 6	16	82 - 88	50
ESKE/1S-e 16	10103494	M 16x1,5	9	4,5 - 9	20	82 - 88	50
ESKE/1S-e 20	10103495	M 20x1,5	10	7 - 13	24	103 - 112	50
ESKE/1S-e 25	10103496	M 25x1,5	10	10 - 17	29	119 - 128	50
ESKE/1S-e 32	10103497	M 32x1,5	12	13 - 21	36	138 - 147	25

ESKE/1S-L-e, long

Type	WISKA-No. RAL 9005	 D (mm)	 L (mm)	 (mm)	 SW (mm)	TL (mm)	
ESKE/1S-L-e 12	10103503	M 12x1,5	15	3 - 6	16	78 - 83	50
ESKE/1S-L-e 16	10103504	M 16x1,5	15	4,5 - 9	20	88 - 94	50
ESKE/1S-L-e 20	10103505	M 20x1,5	15	7 - 13	24	108 - 117	50
ESKE/1S-L-e 25	10103506	M 25x1,5	15	10 - 17	29	124 - 133	50
ESKE/1S-L-e 32	10103507	M 32x1,5	15	13 - 21	36	141 - 150	25

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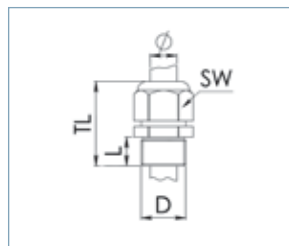
SPRINT EX cable glands, ESKE/1-i, for intrinsic safety, polyamide, metric



ESKE/1-i



ESKE/1-L-i



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEx PTB 13.0034X
PTB 13 ATEX 1015X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Glow wire test:

750 °C

Temperature range:

-40 °C - 75 °C

Colour:

RAL 5012 / 9005

Material:

Gland: Polyamide, Gasket: EPDM

ESKE/1-i

Type	WISKA-No. RAL 9005					TL (mm)	
ESKE/1-i 12	10103371	M 12x1,5	9	3 - 6	18	31 - 37	50
ESKE/1-i 16	10103372	M 16x1,5	9	4,5 - 9	20	31 - 37	50
ESKE/1-i 20	10103373	M 20x1,5	10	7 - 13	24	36 - 45	50
ESKE/1-i 25	10103374	M 25x1,5	10	10 - 17	29	38 - 47	50
ESKE/1-i 32	10103375	M 32x1,5	12	13 - 21	36	42 - 51	25
ESKE/1-i 40	10103376	M 40x1,5	12	17 - 28	46	52 - 65	10
ESKE/1-i 50	10103377	M 50x1,5	14	23 - 35	55	59 - 72	4
ESKE/1-i 63	10103378	M 63x1,5	15	34 - 48	68	64 - 78	1

ESKE/1-L-i, long

Type	WISKA-No. RAL 9005					TL (mm)	
ESKE/1-L-i 12	10103387	M 12x1,5	15	3 - 6	16	35 - 45	50
ESKE/1-L-i 16	10103388	M 16x1,5	15	4,5 - 9	20	37 - 43	50
ESKE/1-L-i 20	10103389	M 20x1,5	15	7 - 13	24	41 - 48	50
ESKE/1-L-i 25	10103390	M 25x1,5	15	10 - 17	29	43 - 51	50
ESKE/1-L-i 32	10103391	M 32x1,5	15	13 - 21	36	45 - 53	25
ESKE/1-L-i 40	10103392	M 40x1,5	18	17 - 28	46	58 - 71	10
ESKE/1-L-i 50	10103393	M 50x1,5	18	23 - 35	55	63 - 76	4
ESKE/1-L-i 63	10103394	M 63x1,5	18	34 - 48	68	67 - 81	1

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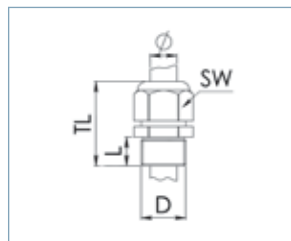
SPRINT EX cable glands LowTemp, ESKE/1-i LT, for intrinsic safety, polyamide, metric



ESKE/1-i LT



ESKE/1-L-i LT



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEX PTB 13.0034X
PTB 13 ATEX 1015X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Glow wire test:

750 °C

Temperature range:

-60 °C - 75 °C

Colour:

RAL 5012 / 9005

Material:

Gland: Polyamide, Gasket: Silicone

ESKE/1-i LT

Type	WISKA-No. RAL 9005					TL (mm)	
ESKE/1-i 12 LT	10103437	M 12x1,5	9	3 - 6	20	31 - 37	50
ESKE/1-i 16 LT	10103438	M 16x1,5	9	4,5 - 9	20	31 - 37	50
ESKE/1-i 20 LT	10103439	M 20x1,5	10	7 - 13	24	36 - 45	50
ESKE/1-i 25 LT	10103440	M 25x1,5	10	10 - 17	29	38 - 47	50
ESKE/1-i 32 LT	10103441	M 32x1,5	12	13 - 21	36	42 - 51	25
ESKE/1-i 40 LT	10103442	M 40x1,5	12	17 - 28	46	52 - 65	10
ESKE/1-i 50 LT	10103443	M 50x1,5	14	23 - 35	55	59 - 72	4
ESKE/1-i 63 LT	10103444	M 63x1,5	15	34 - 48	68	64 - 78	1

ESKE/1-L-i LT, long

Type	WISKA-No. RAL 9005					TL (mm)	
ESKE/1-L-i 12 LT	10103453	M 12x1,5	15	3 - 6	16	35 - 45	50
ESKE/1-L-i 16 LT	10103454	M 16x1,5	15	4,5 - 9	20	37 - 43	50
ESKE/1-L-i 20 LT	10103455	M 20x1,5	15	7 - 13	24	41 - 48	50
ESKE/1-L-i 25 LT	10103456	M 25x1,5	15	10 - 17	29	43 - 51	50
ESKE/1-L-i 32 LT	10103457	M 32x1,5	15	13 - 21	36	45 - 53	25
ESKE/1-L-i 40 LT	10103458	M 40x1,5	18	17 - 28	46	58 - 71	10
ESKE/1-L-i 50 LT	10103459	M 50x1,5	18	23 - 35	55	63 - 76	4
ESKE/1-L-i 63 LT	10103460	M 63x1,5	18	34 - 48	68	67 - 81	1

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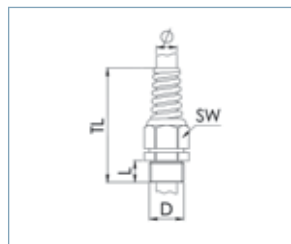
SPRINT EX cable glands with flex protection, ESKE/1S-i, for intrinsic safety, polyamide, metric



ESKE/1S-i



ESKE/1S-L-i



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEX PTB 13.0034X
PTB 13 ATEX 1015X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Glow wire test:

750 °C

Temperature range:

-40 °C - 75 °C

Colour:

RAL 5012 / 9005

Material:

Gland: Polyamide, Gasket: EPDM

ESKE/1S-i

Type	WISKA-No. RAL 9005			 (mm)	 (mm)	TL (mm)	
ESKE/1S-i 12	10103498	M 12x1,5	9	3 - 6	16	82 - 88	50
ESKE/1S-i 16	10103499	M 16x1,5	9	4,5 - 9	20	82 - 88	50
ESKE/1S-i 20	10103500	M 20x1,5	10	7 - 13	24	103 - 112	50
ESKE/1S-i 25	10103501	M 25x1,5	10	10 - 17	29	119 - 128	50
ESKE/1S-i 32	10103502	M 32x1,5	12	13 - 21	36	138 - 147	25

ESKE/1S-L-i, long

Type	WISKA-No. RAL 9005			 (mm)	 (mm)	TL (mm)	
ESKE/1S-L-i 12	10103508	M 12x1,5	15	3 - 6	16	78 - 83	50
ESKE/1S-L-i 16	10103509	M 16x1,5	15	4,5 - 9	20	88 - 94	50
ESKE/1S-L-i 20	10103510	M 20x1,5	15	7 - 13	24	108 - 117	50
ESKE/1S-L-i 25	10103511	M 25x1,5	15	10 - 17	29	124 - 133	50
ESKE/1S-L-i 32	10103512	M 32x1,5	15	13 - 21	36	141 - 150	25

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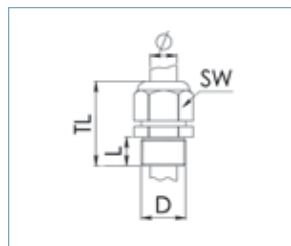
SPRINT EX cable glands, EMSKE, brass nickel-plated, metric



EMSKE



EMSKE-L



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEx PTB 13.0027X
PTB 04 ATEX 1112 X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Temperature range:

-40 °C - 75 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: EPDM

EMSKE

Type	WISKA-No. Ni					TL (mm)	
EMSKE 12	10065040	M 12x1,5	5	4 · 7	16	23 · 30	50
EMSKE 16	10065041	M 16x1,5	5	5 · 10	20	26 · 34	50
EMSKE 20	10065042	M 20x1,5	6	6 · 13	24	29 · 37	50
EMSKE 25	10065043	M 25x1,5	7	10 · 17	29	33 · 42	50
EMSKE 32	10065044	M 32x1,5	8	13 · 21	36	36 · 44	25
EMSKE 40	10065045	M 40x1,5	8	16 · 28	46	44 · 55	10
EMSKE 50	10065046	M 50x1,5	9	21 · 35	55	51 · 62	10
EMSKE 63	10065047	M 63x1,5	10	34 · 48	68	56 · 67	10

EMSKE-L, long

Type	WISKA-No. Ni					TL (mm)	
EMSKE-L 12	10065048	M 12x1,5	12	4 · 7	16	30 · 37	50
EMSKE-L 16	10065049	M 16x1,5	12	5 · 10	20	33 · 41	50
EMSKE-L 20	10065050	M 20x1,5	12	6 · 13	24	35 · 43	50
EMSKE-L 25	10065051	M 25x1,5	12	10 · 17	29	38 · 47	50
EMSKE-L 32	10065052	M 32x1,5	15	13 · 21	36	43 · 51	25
EMSKE-L 40	10065053	M 40x1,5	15	16 · 28	46	51 · 62	10
EMSKE-L 50	10065054	M 50x1,5	15	21 · 35	55	57 · 68	10
EMSKE-L 63	10065055	M 63x1,5	15	34 · 48	68	61 · 72	10

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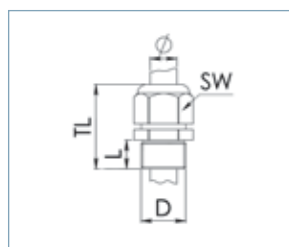
SPRINT EX cable glands LowTemp, EMSKE LT, brass nickel-plated, metric



EMSKE LT



EMSKE-L LT



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEx PTB 13.0027X

Protection class:

PTB 04 ATEX 1112 X

Temperature range:

IP 66 / IP 68, 5 bar 30 min

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: Silicone

EMSKE LT

Type	WISKA-No. Ni					TL (mm)	
EMSKE 12 LT	10065946	M 12x1,5	5	4 · 7	16	23 · 30	50
EMSKE 16 LT	10065947	M 16x1,5	5	5 · 10	20	26 · 34	50
EMSKE 20 LT	10065948	M 20x1,5	6	6 · 13	24	29 · 37	50
EMSKE 25 LT	10065949	M 25x1,5	7	10 · 17	29	33 · 42	50
EMSKE 32 LT	10065950	M 32x1,5	8	13 · 21	36	36 · 44	25
EMSKE 40 LT	10065951	M 40x1,5	8	16 · 28	46	44 · 55	10
EMSKE 50 LT	10065952	M 50x1,5	9	21 · 35	55	51 · 62	10
EMSKE 63 LT	10065953	M 63x1,5	10	34 · 48	68	56 · 67	10

EMSKE-L LT, long

Type	WISKA-No. Ni					TL (mm)	
EMSKE-L 12 LT	10065938	M 12x1,5	12	4 · 7	16	30 · 37	50
EMSKE-L 16 LT	10065939	M 16x1,5	12	5 · 10	20	33 · 41	50
EMSKE-L 20 LT	10065940	M 20x1,5	12	6 · 13	24	35 · 43	50
EMSKE-L 25 LT	10065941	M 25x1,5	12	10 · 17	29	38 · 47	50
EMSKE-L 32 LT	10065942	M 32x1,5	15	13 · 21	36	43 · 51	25
EMSKE-L 40 LT	10065943	M 40x1,5	15	16 · 28	46	51 · 62	10
EMSKE-L 50 LT	10065944	M 50x1,5	15	21 · 35	55	57 · 68	10
EMSKE-L 63 LT	10065945	M 63x1,5	15	34 · 48	68	61 · 72	10

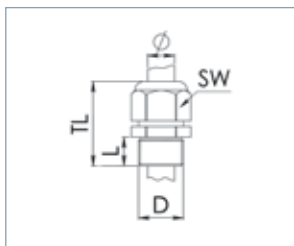
Recommended accessories



SPRINT EX cable glands, NMSKE, brass nickel-plated, NPT



NMSKE



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEx PTB 13.0027X
PTB 04 ATEX 1112 X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Temperature range:

-40 °C - 75 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: EPDM

Type	WISKA-No. NI					TL (mm)	
NMSKE 1/4	10101082	NPT 1/4"	13	4 · 7	16	33 · 40	50
NMSKE 3/8	10101083	NPT 3/8	13	5 · 10	20	35 · 42	50
NMSKE 1/2	10101084	NPT 1/2"	16	6 · 13	24	38 · 45	50
NMSKE 3/4	10101085	NPT 3/4"	16	10 · 17	29	40 · 48	50
NMSKE 1	10101086	NPT 1"	20	13 · 21	36	46 · 53	25
NMSKE 1 1/4	10101087	NPT 1 1/4"	20	16 · 28	46	50 · 58	10
NMSKE 1 1/2	10101088	NPT 1 1/2"	20	21 · 35	55	51 · 62	10
NMSKE 2	10101089	NPT 2"	21	34 · 48	68	56 · 67	10

Recommended accessories



NMMU
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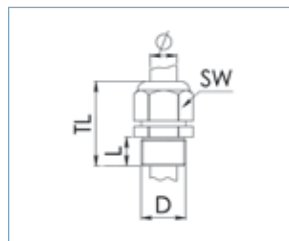


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SPRINT EX EMV Cable gland with contact spring insert, EMSKE EMV-S, brass nickel-plated, metric



EMSKV EMV-S

**Marking:**

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEx PTB 13.0027X
PTB 04 ATEX 1112 X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Temperature range:

-40 °C - 75 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Contact spring insert: Stainless steel (1.4310), Gasket: EPDM

Type	WISKA-No. Ni					TL (mm)	
EMSKE 12 EMV-S	10102971	M 12x1,5	5	4 - 7	16	23 - 30	50
EMSKE 16 EMV-S	10102972	M 16x1,5	5	4,5 - 10	20	26 - 34	50
EMSKE 20 EMV-S	10102973	M 20x1,5	6	6 - 13	24	29 - 37	50
EMSKE 25 EMV-S	10102974	M 25x1,5	7	10 - 17	29	33 - 42	50
EMSKE 32 EMV-S	10102975	M 32x1,5	8	13 - 21	36	36 - 44	25
EMSKE 40 EMV-S	10102976	M 40x1,5	8	16 - 28	46	44 - 55	10
EMSKE 50 EMV-S	10102977	M 50x1,5	9	21 - 35	55	51 - 62	10
EMSKE 63 EMV-S	10102978	M 63x1,5	10	34 - 48	68	56 - 67	10

Recommended accessories

EMMU-EMV
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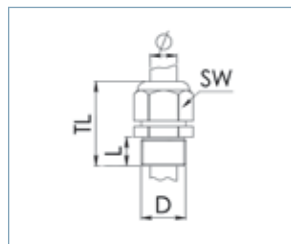


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SPRINT EX EMC cable glands with earthing cones DIN 89345, EMSKE EMV-Z, brass nickel-plated, metric



EMSKE EMV-Z

**Marking:**

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEX PTB 13.0027X
PTB 04 ATEX 1112 X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Temperature range:

-40 °C - 75 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Earthing cones: Brass chromium-plated, Gasket: EPDM

EMSKE EMV-Z

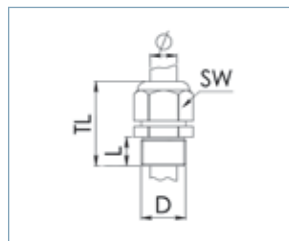
Type	WISKA-No. Ni	D (mm)	L (mm)	SW (mm)	TL (mm)	
EMSKE 12 EMV-Z	10065056	M 12x1,5	5	4 - 7	16	23 - 30
EMSKE 16 EMV-Z	10065057	M 16x1,5	5	4,5 - 10	20	26 - 34
EMSKE 20 EMV-Z	10065058	M 20x1,5	6	6 - 13	24	29 - 37
EMSKE 25 EMV-Z	10065059	M 25x1,5	7	10 - 17	29	33 - 42
EMSKE 32 EMV-Z	10065060	M 32x1,5	8	13 - 21	36	36 - 44
EMSKE 40 EMV-Z	10065061	M 40x1,5	8	16 - 28	46	44 - 55
EMSKE 50 EMV-Z	10065062	M 50x1,5	9	21 - 35	55	51 - 62
EMSKE 63 EMV-Z	10065063	M 63x1,5	10	34 - 48	68	56 - 67

EMSKE-L EMV-Z, long

Type	WISKA-No. Ni	D (mm)	L (mm)	SW (mm)	TL (mm)	
EMSKE-L 12 EMV-Z	10065922	M 12x1,5	12	4 - 7	16	30 - 37
EMSKE-L 16 EMV-Z	10065923	M 16x1,5	12	5 - 10	20	33 - 41
EMSKE-L 20 EMV-Z	10065924	M 20x1,5	12	6 - 13	24	35 - 43
EMSKE-L 25 EMV-Z	10065925	M 25x1,5	12	10 - 17	29	38 - 47
EMSKE-L 32 EMV-Z	10065926	M 32x1,5	15	13 - 21	36	43 - 51
EMSKE-L 40 EMV-Z	10065927	M 40x1,5	15	16 - 28	46	51 - 62
EMSKE-L 50 EMV-Z	10065928	M 50x1,5	15	21 - 35	55	57 - 68
EMSKE-L 63 EMV-Z	10065929	M 63x1,5	15	34 - 48	68	61 - 72

Recommended accessories

SPRINT EX EMC cable glands with earthing cones DIN 89345, NMSKE EMV-Z, brass nickel-plated, NPT



NMSKE EMV-Z

**Marking:**

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEx PTB 13.0027X
PTB 04 ATEX 1112 X

Protection class:

IP 66 / IP 68, 5 bar 30 min

Temperature range:

-40 °C - 75 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Earthing cones: Brass chromium-plated, Gasket: EPDM

Type	WISKA-No. Ni	 D (mm)	 L (mm)	 (mm)	 (mm)	 SW (mm)	TL (mm)	
NMSKE 1/4 EMV-Z	10063055	NPT 1/4"	13	4 - 7	5	16	33 - 40	50
NMSKE 3/8 EMV-Z	10063056	NPT 3/8	13	4,5 - 10	7,5	20	35 - 42	50
NMSKE 1/2 EMV-Z	10063057	NPT 1/2"	16	6 - 13	9,5	24	38 - 45	50
NMSKE 3/4 EMV-Z	10063058	NPT 3/4"	16	9 - 17	16	29	40 - 48	50
NMSKE 1 EMV-Z	10063059	NPT 1"	20	13 - 21	20	36	46 - 53	25
NMSKE 1 1/4 EMV-Z	10063060	NPT 1 1/4"	20	16 - 28	26	46	50 - 58	10
NMSKE 1 1/2 EMV-Z	10063061	NPT 1 1/2"	20	21 - 35	33	55	51 - 62	10
NMSKE 2 EMV-Z	10063062	NPT 2"	21	34 - 48	45	68	56 - 67	10

Recommended accessories

NMMU
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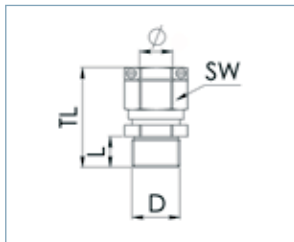


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SPRINT EX cable glands with external strain relief, EMSKEZ, brass nickel-plated, metric



EMSKEZ



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

PTB 09 ATEX 1049

Protection class:

IP 68, 5 bar 30 min

Temperature range:

-40 °C - 75 °C

Material:

Gland: Brass nickel-plated, Clamping cage: Polyamide, Gasket: EPDM

Type	WISKA-No. Ni					TL (mm)	
EMSKEZ 16	10063071	M 16x1,5	5	6,5 - 10	20	36 - 44	25
EMSKEZ 20	10063072	M 20x1,5	6	8 - 13	24	39 - 47	25
EMSKEZ 25	10063073	M 25x1,5	7	10 - 17	29	43 - 52	25
EMSKEZ 32	10063074	M 32x1,5	8	16 - 21	36	46 - 54	25
EMSKEZ 40	10063075	M 40x1,5	8	18 - 28	46	54 - 65	10
EMSKEZ 50	10063076	M 50x1,5	9	22 - 35	55	61 - 72	10
EMSKEZ 63	10063077	M 63x1,5	10	35 - 48	68	66 - 77	10

Recommended accessories



EMMU
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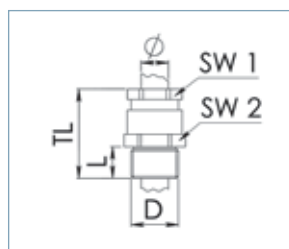
EX cable glands hexagonal, EX-KVM, brass, metric



EX-KVM-Z



EX-KVM-W

**Marking:**

II 2 G Ex e II

Approval:

PTB 03 ATEX 1156 X

Protection class:

IP 54

Temperature range:

-40 °C - 100 °C

Material:

Gland: Brass, Gasket: EPDM

EX-KVM-Z, type Z

Type	WISKA-No. bright	 D (mm)	 L (mm)	 (mm)	 SW (mm)	TL (mm)	
EX-KVM-18-Z-08	10030002	M 18x1,5	10	7 - 8,5	24	40 - 43	1
EX-KVM-18-Z-10	10030003	M 18x1,5	10	8 - 10,5	24	40 - 43	1
EX-KVM-20-Z-08	10030006	M 20x1,5	10	7 - 8,5	24	40 - 43	1
EX-KVM-20-Z-10	10030007	M 20x1,5	10	8 - 10,5	24	40 - 43	1
EX-KVM-24-Z-08	10030014	M 24x1,5	11	7 - 8,5	29	43 - 47	1
EX-KVM-24-Z-10	10030015	M 24x1,5	11	8 - 10,5	29	43 - 47	1
EX-KVM-24-Z-12	10030016	M 24x1,5	11	10 - 12,5	29	43 - 47	1
EX-KVM-24-Z-14	10030017	M 24x1,5	11	12 - 14,5	29	43 - 47	1
EX-KVM-24-Z-16	10030018	M 24x1,5	11	14 - 16,5	29	43 - 47	1
EX-KVM-24-Z-17	10030019	M 24x1,5	11	16 - 17,5	29	43 - 47	1
EX-KVM-25-Z-08	10030026	M 25x1,5	11	7 - 8,5	29	43 - 47	1
EX-KVM-25-Z-10	10030027	M 25x1,5	11	8 - 10,5	29	43 - 47	1
EX-KVM-25-Z-12	10030028	M 25x1,5	11	10 - 12,5	29	43 - 47	1
EX-KVM-25-Z-14	10030029	M 25x1,5	11	12 - 14,5	29	43 - 47	1
EX-KVM-25-Z-16	10030030	M 25x1,5	11	14 - 16,5	29	43 - 47	1
EX-KVM-25-Z-17	10030031	M 25x1,5	11	16 - 17,5	29	43 - 47	1
EX-KVM-30-Z-18	10030034	M 30x2	12	16 - 18,5	36	49 - 53	1
EX-KVM-30-Z-20	10030035	M 30x2	12	18 - 20,5	36	49 - 53	1
EX-KVM-32-Z-18	10030038	M 32x2	12	16 - 18,5	36	49 - 53	1
EX-KVM-32-Z-20	10030039	M 32x2	12	18 - 20,5	36	49 - 53	1

EX-KVM-W, type W

Type	WISKA-No. bright	 D (mm)	 L (mm)	 H (mm)	 SW (mm)	TL (mm)	
EX-KVM-18-W-08	10030000	M 18x1,5	10	7 - 8,5	24	40 · 43	1
EX-KVM-18-W-10	10030001	M 18x1,5	10	8 - 10,5	24	40 · 43	1
EX-KVM-20-W-08	10030004	M 20x1,5	10	7 - 8,5	24	40 · 43	1
EX-KVM-20-W-10	10030005	M 20x1,5	10	8 - 10,5	24	40 · 43	1
EX-KVM-24-W-08	10030008	M 24x1,5	11	7 - 8,5	29	43 · 47	1
EX-KVM-24-W-10	10030009	M 24x1,5	11	8 - 10,5	29	43 · 47	1
EX-KVM-24-W-12	10030010	M 24x1,5	11	10 - 12,5	29	43 · 47	1
EX-KVM-24-W-14	10030011	M 24x1,5	11	12 - 14,5	29	43 · 47	1
EX-KVM-24-W-16	10030012	M 24x1,5	11	14 - 16,5	29	43 · 47	1
EX-KVM-24-W-17	10030013	M 24x1,5	11	16 - 17,5	29	43 · 47	1
EX-KVM-25-W-08	10030020	M 25x1,5	11	7 - 8,5	29	43 · 47	1
EX-KVM-25-W-10	10030021	M 25x1,5	11	8 - 10,5	29	43 · 47	1
EX-KVM-25-W-12	10030022	M 25x1,5	11	10 - 12,5	29	43 · 47	1
EX-KVM-25-W-14	10030023	M 25x1,5	11	12 - 14,5	29	43 · 47	1
EX-KVM-25-W-16	10030024	M 25x1,5	11	14 - 16,5	29	43 · 47	1
EX-KVM-25-W-17	10030025	M 25x1,5	11	16 - 17,5	29	43 · 47	1
EX-KVM-30-W-18	10030032	M 30x2	12	16 - 18,5	36	49 · 53	1
EX-KVM-30-W-20	10030033	M 30x2	12	18 - 20,5	36	49 · 53	1
EX-KVM-32-W-18	10030036	M 32x2	12	16 - 18,5	36	49 · 53	1
EX-KVM-32-W-20	10030037	M 32x2	12	18 - 20,5	36	49 · 53	1

Recommended accessories



GM
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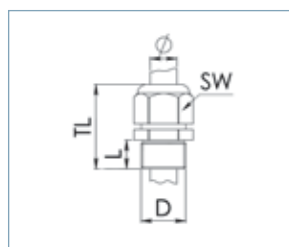
SPRINT EX cable glands, ESSKE, stainless steel, metric



ESSKE



ESSKE-4



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEx PTB 13.0035X

PTB 05 ATEX 1098 X

Protection class:

IP 68, 5 bar 30 min / IP 69K

Temperature range:

-40 °C - 75 °C

Material:

Clamping cage: Polyamide, Gasket: EPDM

ESSKE, stainless steel 1.4305

Type	WISKA-No.					TL (mm)	
ESSKE 12	10069200	M 12x1,5	5	4 - 7	17	23 - 30	10
ESSKE 16	10069201	M 16x1,5	5	5 - 10	22	26 - 34	10
ESSKE 20	10069202	M 20x1,5	6	6 - 13	24	29 - 37	10
ESSKE 25	10069203	M 25x1,5	7	10 - 17	30	33 - 42	10
ESSKE 32	10069204	M 32x1,5	8	13 - 21	36	36 - 44	5
ESSKE 40	10069205	M 40x1,5	8	16 - 28	46	44 - 55	5
ESSKE 50	10069206	M 50x1,5	9	21 - 35	55	51 - 62	2
ESSKE 63	10069207	M 63x1,5	10	34 - 48	68	56 - 67	1

ESSKE-4, stainless steel 1.4404

Type	WISKA-No.					TL (mm)	
ESSKE-4 12	10069232	M 12x1,5	5	4 - 7	17	23 - 30	10
ESSKE-4 16	10069233	M 16x1,5	5	5 - 10	22	26 - 34	10
ESSKE-4 20	10069234	M 20x1,5	6	6 - 13	24	29 - 37	10
ESSKE-4 25	10069235	M 25x1,5	7	10 - 17	30	33 - 42	10
ESSKE-4 32	10069236	M 32x1,5	8	13 - 21	36	36 - 44	5
ESSKE-4 40	10069237	M 40x1,5	8	16 - 28	46	44 - 55	5
ESSKE-4 50	10069238	M 50x1,5	9	21 - 35	55	51 - 62	2
ESSKE-4 63	10069239	M 63x1,5	10	34 - 48	68	56 - 67	1

Recommended accessories

ESMU
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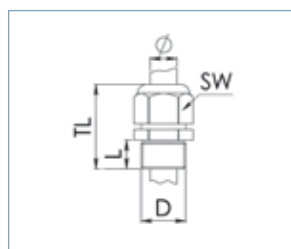
SPRINT EX cable glands LowTemp, ESSKE LT, stainless steel, metric



ESSKE LT



ESSKE-4 LT



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEX PTB 13.0035X
PTB 05 ATEX 1098 X

Protection class:

IP 68, 5 bar 30 min / IP 69K

Temperature range:

-60 °C - 75 °C

Material:

Clamping cage: Polyamide, Gasket: Silicone

ESSKE LT, stainless steel 1.4305

Type	WISKA-No.					TL (mm)	
ESSKE 12 LT	10065986	M 12x1,5	5	4 - 7	17	23 - 30	10
ESSKE 16 LT	10065987	M 16x1,5	5	5 - 10	22	26 - 34	10
ESSKE 20 LT	10065988	M 20x1,5	6	6 - 13	24	29 - 37	10
ESSKE 25 LT	10065989	M 25x1,5	7	10 - 17	30	33 - 42	10
ESSKE 32 LT	10065990	M 32x1,5	8	13 - 21	36	36 - 44	5
ESSKE 40 LT	10065991	M 40x1,5	8	16 - 28	46	44 - 55	5
ESSKE 50 LT	10065992	M 50x1,5	9	21 - 35	55	51 - 62	2
ESSKE 63 LT	10065993	M 63x1,5	10	34 - 48	68	56 - 67	1

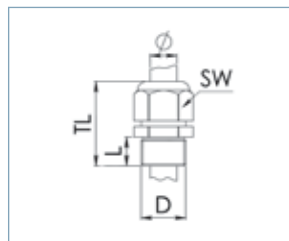
ESSKE-4 LT, stainless steel 1.4404

Type	WISKA-No.					TL (mm)	
ESSKE-4 12 LT	10065389	M 12x1,5	5	4 - 7	17	23 - 30	10
ESSKE-4 16 LT	10065390	M 16x1,5	5	5 - 10	22	26 - 34	10
ESSKE-4 20 LT	10065391	M 20x1,5	6	6 - 13	24	29 - 37	10
ESSKE-4 25 LT	10065392	M 25x1,5	7	10 - 17	30	33 - 42	10
ESSKE-4 32 LT	10065393	M 32x1,5	8	13 - 21	36	36 - 44	5
ESSKE-4 40 LT	10065394	M 40x1,5	8	16 - 28	46	44 - 55	5
ESSKE-4 50 LT	10065395	M 50x1,5	9	21 - 35	55	51 - 62	2
ESSKE-4 63 LT	10065396	M 63x1,5	10	34 - 48	68	56 - 67	1

Recommended accessories



SPRINT EX EMC cable glands with earthing cones DIN 89345, ESSKE EMV-Z, stainless steel, metric



ESSKE EMV-Z / ESSKE-4 EMV-Z



Marking: II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval: IECEx PTB 13.0035X
PTB 05 ATEX 1098 X

Protection class: IP 68, 5 bar 30 min / IP 69K

Temperature range: -40 °C - 75 °C

Material: Clamping cage: Polyamide, Earthing cones: Brass chromium-plated, Gasket: EPDM

ESSKE EMV-Z, stainless steel 1.4305

Type	WISKA-No.	D (mm)	L (mm)	TL (mm)	SW (mm)	TL (mm)	
ESSKE 12 EMV-Z	10069216	M 12x1,5	5	4 - 7	5	17	23 - 30
ESSKE 16 EMV-Z	10069217	M 16x1,5	5	5 - 10	7,5	22	26 - 34
ESSKE 20 EMV-Z	10069218	M 20x1,5	6	6 - 13	9,5	24	29 - 37
ESSKE 25 EMV-Z	10069219	M 25x1,5	7	10 - 17	16	30	33 - 42
ESSKE 32 EMV-Z	10069220	M 32x1,5	8	13 - 21	20	36	36 - 44
ESSKE 40 EMV-Z	10069221	M 40x1,5	8	16 - 28	26	46	44 - 55
ESSKE 50 EMV-Z	10069222	M 50x1,5	9	21 - 35	33	55	51 - 62
ESSKE 63 EMV-Z	10069223	M 63x1,5	10	34 - 48	45	68	56 - 67

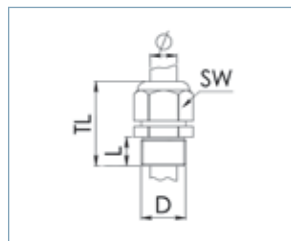
ESSKE-4 EMV-Z, stainless steel 1.4404

Type	WISKA-No.	D (mm)	L (mm)	TL (mm)	SW (mm)	TL (mm)	
ESSKE-4 12 EMV-Z	10069248	M 12x1,5	5	4 - 7	5	17	23 - 30
ESSKE-4 16 EMV-Z	10069249	M 16x1,5	5	5 - 10	7,5	22	26 - 34
ESSKE-4 20 EMV-Z	10069250	M 20x1,5	6	6 - 13	9,5	24	29 - 37
ESSKE-4 25 EMV-Z	10069251	M 25x1,5	7	10 - 17	16	30	33 - 42
ESSKE-4 32 EMV-Z	10069252	M 32x1,5	8	13 - 21	20	36	36 - 44
ESSKE-4 40 EMV-Z	10069253	M 40x1,5	8	16 - 28	26	46	44 - 55
ESSKE-4 50 EMV-Z	10069254	M 50x1,5	9	21 - 35	33	55	51 - 62
ESSKE-4 63 EMV-Z	10069255	M 63x1,5	10	34 - 48	45	68	56 - 67

Recommended accessories



SPRINT EX EMC cable glands LowTemp with earthing cones DIN 89345, ESSKE LT EMV, stainless steel, metric



ESSKE LT EMV-Z / ESSKE-4 LT EMV-Z



Marking:

II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP68

Approval:

IECEX PTB 13.0035X
PTB 05 ATEX 1098 X

Protection class:

IP 68, 5 bar 30 min / IP 69K

Temperature range:

-60 °C - 75 °C

Material:

Clamping cage: Polyamide, Earthing cones: Brass chromium-plated,
Gasket: Silicone

ESSKE LT EMV-Z, stainless steel 1.4305

Type	WISKA-No.	 D (mm)	 L (mm)	 (mm)	 (mm)	 SW (mm)	TL (mm)	
ESSKE 12 LT EMV-Z	10065978	M 12x1,5	5	4 - 7	5	17	23 - 30	10
ESSKE 16 LT EMV-Z	10065979	M 16x1,5	5	5 - 10	7,5	22	26 - 34	10
ESSKE 20 LT EMV-Z	10065980	M 20x1,5	6	6 - 13	9,5	24	29 - 37	10
ESSKE 25 LT EMV-Z	10065981	M 25x1,5	7	10 - 17	16	30	33 - 42	10
ESSKE 32 LT EMV-Z	10065982	M 32x1,5	8	13 - 21	20	36	36 - 44	5
ESSKE 40 LT EMV-Z	10065983	M 40x1,5	8	16 - 28	26	46	44 - 55	5
ESSKE 50 LT EMV-Z	10065984	M 50x1,5	9	21 - 35	33	55	51 - 62	2
ESSKE 63 LT EMV-Z	10065985	M 63x1,5	10	34 - 48	45	68	56 - 67	1

ESSKE-4 LT EMV-Z, stainless steel 1.4404

Type	WISKA-No.	 D (mm)	 L (mm)	 (mm)	 (mm)	 SW (mm)	TL (mm)	
ESSKE-4 12 LT EMV-Z	10065358	M 12x1,5	5	4 - 7	5	17	23 - 30	10
ESSKE-4 16 LT EMV-Z	10065359	M 16x1,5	5	5 - 10	7,5	22	26 - 34	10
ESSKE-4 20 LT EMV-Z	10065360	M 20x1,5	6	6 - 13	9,5	24	29 - 37	10
ESSKE-4 25 LT EMV-Z	10065361	M 25x1,5	7	10 - 17	16	30	33 - 42	10
ESSKE-4 32 LT EMV-Z	10065362	M 32x1,5	8	13 - 21	20	36	36 - 44	5
ESSKE-4 40 LT EMV-Z	10065363	M 40x1,5	8	16 - 28	26	46	44 - 55	5
ESSKE-4 50 LT EMV-Z	10065364	M 50x1,5	9	21 - 35	33	55	51 - 62	2
ESSKE-4 63 LT EMV-Z	10065365	M 63x1,5	10	34 - 48	45	68	56 - 67	1

Recommended accessories



ESMU
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RDE-LT
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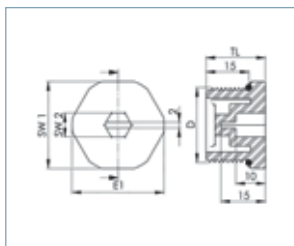


BS
Page 152

EX stop ends, EX-EVSG, polyamide, metric



EX-EVSG

**Marking:**

II2G ExeII

II2D ExtD A21 IP68

Approval:

PTB 06 ATEX 1032 X

Protection class:

IP 68

Temperature range:

-40 °C - 75 °C

Material:

Polyamide, Gasket: EPDM

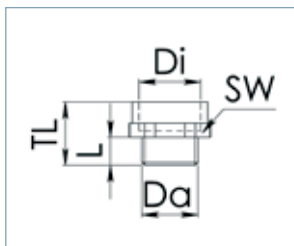
Type	WISKA-No. RAL 9005	 D (mm)	 L (mm)	 SW 1 (mm)	 SW 2 (mm)	TL (mm)	
EX-EVSG 12	10065300	M 12x1,5	15	16	6	19	100
EX-EVSG 16	10065301	M 16x1,5	15	20	8	19	100
EX-EVSG 20	10065302	M 20x1,5	15	24	8	19	100
EX-EVSG 25	10065303	M 25x1,5	15	29	8	20	100
EX-EVSG 32	10065304	M 32x1,5	15	36	8	20	50
EX-EVSG 40	10065305	M 40x1,5	15	46	8	20	30
EX-EVSG 50	10065306	M 50x1,5	15	55	8	20	30
EX-EVSG 63	10065307	M 63x1,5	15	68	8	20	30
EX-EVSG 75	10065308	M 75x1,5	15	82	8	20	2

Recommended accessoriesEMUG
Page 21

EX enlargement adaptors, EX-KEM, polyamide, metric-metric



EX-KEM

**Marking:**

II2G ExeII

II2D ExtD A21 IP66

Approval:

PTB 04 ATEX 1040 X

Protection class:

IP 66

Temperature range:

-20 °C - 70 °C

Material:

Polyamide, fibre reinforced

Type	WISKA-No. RAL 9005	Da (mm)	Di (mm)	L (mm)	SW (mm)	TL (mm)	
EX-KEM 12/16	10064741	M 12x1,5	M 16x1,5	9	20	27	100
EX-KEM 16/20	10064742	M 16x1,5	M 20x1,5	9	24	27	100
EX-KEM 20/25	10064743	M 20x1,5	M 25x1,5	9	29	27	100
EX-KEM 25/32	10064744	M 25x1,5	M 32x1,5	10	36	28	100
EX-KEM 32/40	10064745	M 32x1,5	M 40x1,5	12	46	30	50
EX-KEM 40/50	10064746	M 40x1,5	M 50x1,5	12	55	30	25
EX-KEM 50/63	10064747	M 50x1,5	M 63x1,5	14	68	32	5

Recommended accessoriesEMUG
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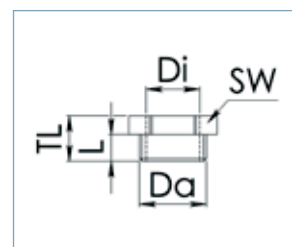
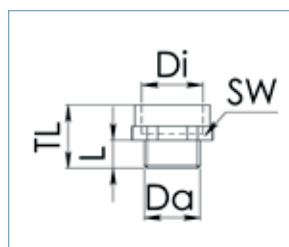
EX reduction adaptors, EX-KRM, polyamide, metric-metric



EX-KRM Form A



EX-KRM Form B



Marking:

II2G ExeII

II2D ExtD A21 IP66

Approval:

PTB 04 ATEX 1040 X

Protection class:

IP 66

Temperature range:

-20 °C - 70 °C

Material:

Polyamide, fibre reinforced

Type	WISKA-No. RAL 9005	Da (mm)	Di (mm)	TL (mm)	SW (mm)	TL (mm)	Form	
EX-KRM 16/12	10064720	M 16x1,5	M 12x1,5	9	20	27	A	100
EX-KRM 20/12	10064721	M 20x1,5	M 12x1,5	9	24	16	B	100
EX-KRM 20/16	10064722	M 20x1,5	M 16x1,5	9	24	27	A	100
EX-KRM 25/12	10064723	M 25x1,5	M 12x1,5	10	29	17	B	100
EX-KRM 25/16	10064724	M 25x1,5	M 16x1,5	10	29	17	B	100
EX-KRM 25/20	10064725	M 25x1,5	M 20x1,5	10	29	17	B	100
EX-KRM 32/16	10064726	M 32x1,5	M 16x1,5	12	36	19	B	50
EX-KRM 32/20	10064727	M 32x1,5	M 20x1,5	12	36	19	B	50
EX-KRM 32/25	10064728	M 32x1,5	M 25x1,5	12	36	19	B	50
EX-KRM 40/20	10064729	M 40x1,5	M 20x1,5	12	46	19	B	25
EX-KRM 40/25	10064730	M 40x1,5	M 25x1,5	12	46	19	B	25
EX-KRM 40/32	10064731	M 40x1,5	M 32x1,5	12	46	19	B	25
EX-KRM 50/20	10064732	M 50x1,5	M 20x1,5	14	55	21	B	5
EX-KRM 50/25	10064733	M 50x1,5	M 25x1,5	14	55	21	B	5
EX-KRM 50/32	10064734	M 50x1,5	M 32x1,5	14	55	21	B	5
EX-KRM 50/40	10064735	M 50x1,5	M 40x1,5	14	55	21	B	5
EX-KRM 63/20	10064736	M 63x1,5	M 20x1,5	15	68	22	B	5
EX-KRM 63/25	10064737	M 63x1,5	M 25x1,5	15	68	22	B	5
EX-KRM 63/32	10064738	M 63x1,5	M 32x1,5	15	68	22	B	5
EX-KRM 63/40	10064739	M 63x1,5	M 40x1,5	15	68	22	B	5
EX-KRM 63/50	10064740	M 63x1,5	M 50x1,5	15	68	22	B	5

Recommended accessories

EMUG
Page 21EADR
Page 155

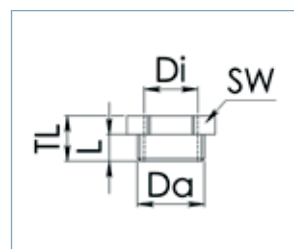
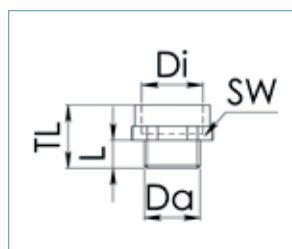
EX adaptors, EX-APM, polyamide, PG-metric



EX-APM Form A



EX-APM Form B

**Marking:**

II2G ExeII

II2D ExtD A21 IP66

Approval:

PTB 04 ATEX 1040 X

Protection class:

IP 66

Temperature range:

-20 °C - 70 °C

Material:

Polyamide, fibre reinforced

Type	WISKA-No. RAL 9005	PG Da (mm)	Di (mm)	TL (mm)	SW (mm)	TL (mm)	Form	
EX-APM 7/12	10064748	PG 7	M 12x1,5	9	16	27	A	25
EX-APM 7/16	10064749	PG 7	M 16x1,5	9	20	27	A	25
EX-APM 9/12	10064750	PG 9	M 12x1,5	9	20	27	A	25
EX-APM 9/16	10064751	PG 9	M 16x1,5	9	20	27	A	25
EX-APM 9/20	10064752	PG 9	M 20x1,5	9	24	27	A	25
EX-APM 11/16	10064753	PG 11	M 16x1,5	9	22	27	A	25
EX-APM 11/20	10064754	PG 11	M 20x1,5	9	24	27	A	25
EX-APM 11/25	10064755	PG 11	M 25x1,5	9	29	27	A	25
EX-APM 13,5/16	10064756	PG 13,5	M 16x1,5	10	24	28	A	25
EX-APM 13,5/20	10064757	PG 13,5	M 20x1,5	10	24	28	A	25
EX-APM 13,5/25	10064758	PG 13,5	M 25x1,5	10	29	28	A	25
EX-APM 16/20	10064759	PG 16	M 20x1,5	10	27	28	A	25
EX-APM 16/25	10064760	PG 16	M 25x1,5	10	29	28	A	25
EX-APM 16/32	10064761	PG 16	M 32x1,5	10	36	28	A	25
EX-APM 21/20	10064762	PG 21	M 20x1,5	12	33	19	B	10
EX-APM 21/25	10064763	PG 21	M 25x1,5	12	33	30	A	10
EX-APM 21/32	10064764	PG 21	M 32x1,5	12	36	30	A	10
EX-APM 21/40	10064765	PG 21	M 40x1,5	12	46	30	A	10
EX-APM 29/20	10064766	PG 29	M 20x1,5	12	42	19	B	10
EX-APM 29/25	10064767	PG 29	M 25x1,5	12	42	19	B	10
EX-APM 29/32	10064768	PG 29	M 32x1,5	12	42	19	B	10
EX-APM 29/40	10064769	PG 29	M 40x1,5	12	46	30	A	10
EX-APM 29/50	10064770	PG 29	M 50x1,5	12	55	30	A	10
EX-APM 36/20	10064771	PG 36	M 20x1,5	14	53	21	B	10
EX-APM 36/25	10064772	PG 36	M 25x1,5	14	53	21	B	10
EX-APM 36/32	10064773	PG 36	M 32x1,5	14	53	21	B	10
EX-APM 36/40	10064774	PG 36	M 40x1,5	14	53	21	B	10
EX-APM 36/50	10064775	PG 36	M 50x1,5	14	55	32	A	10
EX-APM 36/63	10064776	PG 36	M 63x1,5	14	68	32	A	10
EX-APM 42/20	10064777	PG 42	M 20x1,5	14	60	21	B	5
EX-APM 42/25	10064778	PG 42	M 25x1,5	14	60	21	B	5
EX-APM 42/32	10064779	PG 42	M 32x1,5	14	60	21	B	5
EX-APM 42/40	10064780	PG 42	M 40x1,5	14	60	21	B	5
EX-APM 42/50	10064781	PG 42	M 50x1,5	14	60	32	A	5
EX-APM 42/63	10064782	PG 42	M 63x1,5	14	68	32	A	5

Type	WISKA-No. RAL 9005					TL (mm)	Form	
EX-APM 48/20	10064783	PG 48	M 20x1,5	15	65	22	B	5
EX-APM 48/25	10064784	PG 48	M 25x1,5	15	65	22	B	5
EX-APM 48/32	10064785	PG 48	M 32x1,5	15	65	22	B	5
EX-APM 48/40	10064786	PG 48	M 40x1,5	15	65	22	B	5
EX-APM 48/50	10064787	PG 48	M 50x1,5	15	65	22	B	5
EX-APM 48/63	10064788	PG 48	M 63x1,5	15	68	33	A	5

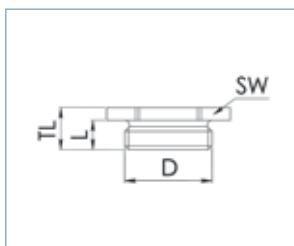
Recommended accessories

MUG
Page 21ADR
Page 155

EX stop ends, EX-EMVS, brass nickel-plated, metric



EX-EMVS



Marking:

II2G ExeII

II2D ExtD A21 IP68

Approval:

PTB 05 ATEX 1106 X

Protection class:

IP 68

Temperature range:

-40 °C · 120 °C

Material:

Brass nickel-plated, Gasket: EPDM

Type	WISKA-No. Ni				TL (mm)	
EX-EMVS 12	10065331	M 12x1,5	5	14	7,5	10
EX-EMVS 16	10065332	M 16x1,5	5	18	8	10
EX-EMVS 20	10065333	M 20x1,5	6	22	9	10
EX-EMVS 25	10065334	M 25x1,5	6,5	28	10	10
EX-EMVS 32	10065335	M 32x1,5	7	35	10,5	5
EX-EMVS 40	10065336	M 40x1,5	8	44	12	5
EX-EMVS 50	10065337	M 50x1,5	9	54	15	1
EX-EMVS 63	10065338	M 63x1,5	10	67	16	1

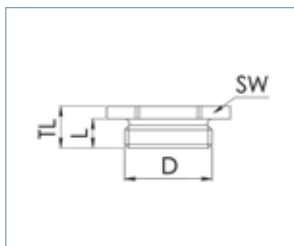
Recommended accessories

EMMU
Page 53

EX stop ends to DIN 89284, EX-VSM, brass, metric



EX-VSM

**Marking:****Approval:****Protection class:****Temperature range:****Material:**

II 2 G Ex e II

PTB 03 ATEX 1158 X

IP 54

-40 °C - 100 °C

Brass, Gasket: EPDM

Type	WISKA-No. bright				TL (mm)
EX-VSM 18	10030200	M 18x1,5	8	22	11,5
EX-VSM 20	10030201	M 20x1,5	8	24	11,5
EX-VSM 24	10030202	M 24x1,5	9	30	13
EX-VSM 25	10030203	M 25x1,5	9	30	13
EX-VSM 30	10030204	M 30x1,5	10	36	14
EX-VSM 32	10030205	M 32x1,5	10	36	14

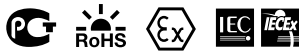
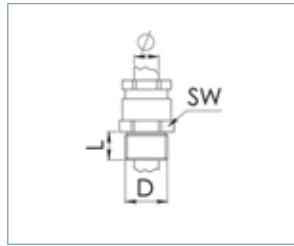
Recommended accessories

GM
Page 70

EX d cable glands for non-armoured cables, OSNJ, brass nickel-plated, metric



OSNJ

**Marking:****Approval:****Protection class:****Temperature range:****Material:**

II 2 GD EEx d IIC/EEEx e II

IECEX KOS 09.0017X

NEMKO 03 ATEX 1460 X

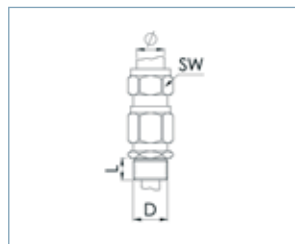
IP 67

-20 °C - 120 °C

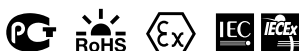
Brass nickel-plated, Gasket: Silicone

Type	WISKA-No. Ni					
OSNJ A2F-16a	50065500	M 16x1,5	15	3 · 7,5	24	1
OSNJ A2F-16b	50065501	M 16x1,5	15	6,1 · 10	24	1
OSNJ A2F-20a	50065502	M 20x1,5	15	10 · 13	27	1
OSNJ A2F-20b	50065503	M 20x1,5	15	13,1 · 15	27	1
OSNJ A2F-25a	50065504	M 25x1,5	15	14 · 17,5	32	1
OSNJ A2F-25b	50065505	M 25x1,5	15	16,1 · 19,5	32	1
OSNJ A2F-32a	50065506	M 32x1,5	15	18,1 · 22	39	1
OSNJ A2F-32b	50065507	M 32x1,5	15	21 · 26	39	1
OSNJ A2F-40a	50065508	M 40x1,5	15	24 · 28	48	1
OSNJ A2F-40b	50065509	M 40x1,5	15	27 · 32	48	1
OSNJ A2F-50a	50065510	M 50x1,5	15	32,1 · 34	58	1
OSNJ A2F-50b	50065511	M 50x1,5	15	34,1 · 40	58	1
OSNJ A2F-63a	50065512	M 63x1,5	15	38 · 44	73	1
OSNJ A2F-63b	50065513	M 63x1,5	15	43 · 50	73	1
OSNJ A2F-63c	50065514	M 63x1,5	15	49 · 54	73	1
OSNJ A2F-75a	50065515	M 75x1,5	15	52 · 56	85	1
OSNJ A2F-75b	50065516	M 75x1,5	15	55 · 60	85	1
OSNJ A2F-75c	50065517	M 75x1,5	15	59 · 62	85	1
OSNJ A2F-75d	50065518	M 75x1,5	15	62,1 · 66	85	1

EX d cable glands for wire-braided / steel-tape armoured cables, WEID.E1XF, brass nickel-plated, metric



WEID.E1XF

**Marking:**

II 2 GD EEX d IIC/EEEx e II

Approval:

IECEX KOS 09.0016X

NEMKO 02 ATEX 501 X

Protection class:

IP 67

Temperature range:

-20 °C · 120 °C

Material:

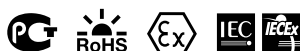
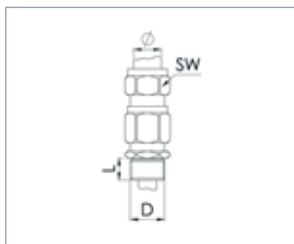
Gland: Brass nickel-plated, Gasket: Silicone

Type	WISKA-No. Ni						
WEID.E1XF-16a	50065574	M 16x1,5	15	8 · 13	5 · 11	25	1
WEID.E1XF-16b	50103247	M 16x1,5	15	12 · 15,1	5 · 11	25	1
WEID.E1XF-20a	50065575	M 20x1,5	15	13 · 17,5	8 · 15,5	31	1
WEID.E1XF-20b	50065576	M 20x1,5	15	17,5 · 22	8 · 15,1	31	1
WEID.E1XF-25a	50065577	M 25x1,5	15	17,5 · 22	13 · 19,5	36	1
WEID.E1XF-25b	50065578	M 25x1,5	15	21 · 26	13 · 19,5	36	1
WEID.E1XF-32a	50065579	M 32x1,5	15	22 · 28	17,5 · 26	45	1
WEID.E1XF-32b	50065580	M 32x1,5	15	27 · 32	17,5 · 26	45	1
WEID.E1XF-40a	50065581	M 40x1,5	15	30 · 35	22 · 32	55	1
WEID.E1XF-40b	50065582	M 40x1,5	15	35,1 · 40	22 · 32	55	1
WEID.E1XF-50a	50065583	M 50x1,5	15	38 · 45	30 · 41,5	68	1
WEID.E1XF-50b	50065584	M 50x1,5	15	43 · 50	30 · 41,5	68	1
WEID.E1XF-63a	50065585	M 63x1,5	15	48 · 53	38 · 54	82	1
WEID.E1XF-63b	50065586	M 63x1,5	15	51 · 56	38 · 54	82	1
WEID.E1XF-63c	50065587	M 63x1,5	15	55 · 60	38 · 54	82	1
WEID.E1XF-75a	50065588	M 75x1,5	20	56 · 62	49 · 66	98	1
WEID.E1XF-75b	50065589	M 75x1,5	20	62,1 · 66	49 · 66	98	1
WEID.E1XF-75c	50065590	M 75x1,5	20	66,1 · 70	49 · 66	98	1
WEID.E1XF-75d	50065591	M 75x1,5	20	68 · 75	49 · 66	98	1

EX d cable glands for single-wire armoured cables, WEID.E1WF, brass nickel-plated, metric



WEID.E1WF

**Marking:****Approval:****Protection class:****Temperature range:****Material:**

II 2 GD EEX d IIC/EEEx e II

IECEX KOS 09.0018X

NEMKO 02 ATEX 500 X

IP 67

-20 °C · 120 °C

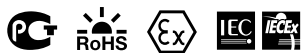
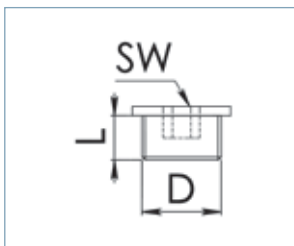
Gland: Brass nickel-plated, Gasket: Silicone

Type	WISKA-No. Ni						
WEID.E1WF-16a	50065537	M 16x1,5	15	8 · 13	5 · 11	25	1
WEID.E1WF-16b	50065538	M 16x1,5	15	12 · 15,1	5 · 11	25	1
WEID.E1WF-20a	50065539	M 20x1,5	15	13 · 17,5	8 · 15,5	31	1
WEID.E1WF-20b	50065540	M 20x1,5	15	17,5 · 22	8 · 15,1	31	1
WEID.E1WF-25a	50065541	M 25x1,5	15	17,5 · 22	13 · 19,5	36	1
WEID.E1WF-25b	50065542	M 25x1,5	15	21 · 26	13 · 19,5	36	1
WEID.E1WF-32a	50065543	M 32x1,5	15	22 · 28	17,5 · 26	45	1
WEID.E1WF-32b	50065544	M 32x1,5	15	27 · 32	17,5 · 26	45	1
WEID.E1WF-40a	50065545	M 40x1,5	15	30 · 35	22 · 32	55	1
WEID.E1WF-40b	50065546	M 40x1,5	15	35,1 · 40	22 · 32	55	1
WEID.E1WF-50a	50065547	M 50x1,5	15	38 · 45	30 · 41,5	68	1
WEID.E1WF-50b	50065548	M 50x1,5	15	43 · 50	30 · 41,5	68	1
WEID.E1WF-63a	50065549	M 63x1,5	15	48 · 53	38 · 54	82	1
WEID.E1WF-63b	50065550	M 63x1,5	15	51 · 56	38 · 54	82	1
WEID.E1WF-63c	50065551	M 63x1,5	15	55 · 60	38 · 54	82	1
WEID.E1WF-75a	50065552	M 75x1,5	20	56 · 62	49 · 66	98	1
WEID.E1WF-75b	50065553	M 75x1,5	20	62,1 · 66	49 · 66	98	1
WEID.E1WF-75c	50065554	M 75x1,5	20	66,1 · 70	49 · 66	98	1
WEID.E1WF-75d	50065555	M 75x1,5	20	68 · 75	49 · 66	98	1

EX d stop ends, OSSP, brass nickel-plated, metric



OSSP

**Marking:****Approval:****Protection class:****Temperature range:****Material:**

II 2 GD EEx d IIC/EEx e II

IECEx KOS 09.0005X

NEMKO 02 ATEX 502

IP 67

-20 °C - 110 °C

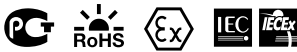
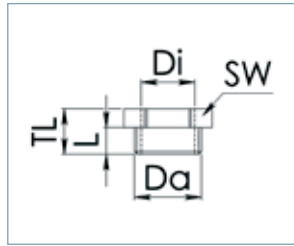
Brass nickel-plated, Gasket: CR

Type	WISKA-No. Ni				
OSSP-R 16	50065610	M 16x1,5	15	10	1
OSSP-R 20	50065611	M 20x1,5	15	10	1
OSSP-R 25	50065612	M 25x1,5	15	10	1
OSSP-R 32	50065613	M 32x1,5	15	10	1
OSSP-R 40	50065614	M 40x1,5	15	10	1
OSSP-R 50	50065615	M 50x1,5	15	10	1
OSSP-R 63	50065616	M 63x1,5	15	10	1
OSSP-R 75	50065617	M 75x1,5	15	10	1

EX d reduction adaptors, OSRA, brass nickel-plated, metric-metric



OSRA

**Marking:**

II2G/D EExd IIC

EExell, IP67

Approval:

IECEx KOS 09.0003X

NEMKO 03 ATEX 1458

Protection class:

IP 67

Temperature range:

-20 °C - 110 °C

Material:

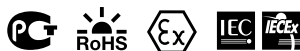
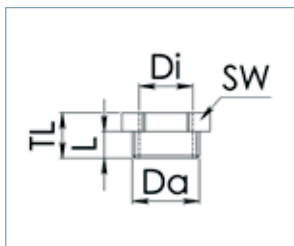
Brass nickel-plated

Type	WISKA-No. Ni				
OSRA 20-16	50065650	M 20x1,5	M 16x1,5	25	1
OSRA 25-16	50065651	M 25x1,5	M 16x1,5	30	1
OSRA 25-20	50065652	M 25x1,5	M 20x1,5	30	1
OSRA 32-16	50065653	M 32x1,5	M 16x1,5	38	1
OSRA 32-20	50065654	M 32x1,5	M 20x1,5	38	1
OSRA 32-25	50065655	M 32x1,5	M 25x1,5	38	1
OSRA 40-20	50065656	M 40x1,5	M 20x1,5	45	1
OSRA 40-25	50065657	M 40x1,5	M 25x1,5	45	1
OSRA 40-32	50065658	M 40x1,5	M 32x1,5	45	1
OSRA 50-25	50065659	M 50x1,5	M 25x1,5	55	1
OSRA 50-32	50065660	M 50x1,5	M 32x1,5	55	1
OSRA 50-40	50065661	M 50x1,5	M 40x1,5	55	1
OSRA 63-32	50065662	M 63x1,5	M 32x1,5	68	1
OSRA 63-40	50065663	M 63x1,5	M 40x1,5	68	1
OSRA 63-50	50065664	M 63x1,5	M 50x1,5	68	1
OSRA 75-40	50065665	M 75x1,5	M 40x1,5	82	1
OSRA 75-50	50065666	M 75x1,5	M 50x1,5	82	1
OSRA 75-63	50065667	M 75x1,5	M 63x1,5	82	1

EX d enlargement adaptors, OSAJ, brass nickel-plated, metric-metric



OSAJ

**Marking:**

II2G/D EExd IIC

EExell, IP67

Approval:

ATEX NEMKO 03 ATEX 1459

IECEx KOS 09.0002X

Protection class:

IP 67

Temperature range:

-20 °C · 110 °C

Material:

Brass nickel-plated

Type	WISKA-No. Ni	Da (mm)	Di (mm)	SW (mm)	
OSAJ 16/20	50065686	M 16x1,5	M 20x1,5	25	1
OSAJ 16/25	50065687	M 16x1,5	M 25x1,5	30	1
OSAJ 20/25	50065688	M 20x1,5	M 25x1,5	30	1
OSAJ 16/32	50065689	M 16x1,5	M 32x1,5	37	1
OSAJ 20/32	50065690	M 20x1,5	M 32x1,5	37	1
OSAJ 25/32	50065691	M 25x1,5	M 32x1,5	37	1
OSAJ 20/40	50065692	M 20x1,5	M 40x1,5	46	1
OSAJ 25/40	50065693	M 25x1,5	M 40x1,5	46	1
OSAJ 32/40	50065694	M 32x1,5	M 40x1,5	46	1
OSAJ 25/50	50065695	M 25x1,5	M 50x1,5	57	1
OSAJ 32/50	50065696	M 32x1,5	M 50x1,5	57	1
OSAJ 40/50	50065697	M 40x1,5	M 50x1,5	57	1
OSAJ 32/63	50065698	M 32x1,5	M 63x1,5	70	1
OSAJ 40/63	50065699	M 40x1,5	M 63x1,5	70	1
OSAJ 50/63	50065700	M 50x1,5	M 63x1,5	70	1
OSAJ 40/75	50065701	M 40x1,5	M 75x1,5	82	1
OSAJ 50/75	50065702	M 50x1,5	M 75x1,5	82	1
OSAJ 63/75	50065703	M 63x1,5	M 75x1,5	82	1

Earth tags, OSET, brass



OSET



Material:

Brass

Type	WISKA-No.		
OSET 16	50065634	M 16	1
OSET 20	50065635	M 20	1
OSET 25	50065636	M 25	1
OSET 32	50065637	M 32	1
OSET 40	50065638	M 40	1
OSET 50	50065639	M 50	1
OSET 63	50065640	M 63	1
OSET 75	50065641	M 75	1

POLYAMIDE

POLYAMIDE
ACCESSORIES

MEMBRANE

BRASS

BRASS
ACCESSORIES

MARITIME

STAINLESS
STEEL

EMC

EX E / I

EX D

VENTING

BS 6121

SEALINGS,
TOOLSJUNCTION
BOXES

TECHNICS

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Shrouds, OSSH, polyamide



OSSH



Material:

EPDM

OSSH (A), type A

Type	WISKA-No.		
OSSH-A16	50065626	E1XF / W 16	1
OSSH-A20	50065627	E1XF / W 20	1
OSSH-A25	50065628	E1XF / W 25	1
OSSH-A32	50065629	E1XF / W 32	1
OSSH-A40	50065630	E1XF / W 40	1
OSSH-A50	50065631	E1XF / W 50	1
OSSH-A63	50065632	E1XF / W 63	1
OSSH-A75	50065633	E1XF / W 75	1

OSSH (B), type B

Type	WISKA-No.		
OSSH-B16	50065642	A2F16	1
OSSH-B20	50065643	A2F20	1
OSSH-B25	50065644	A2F25	1
OSSH-B32	50065645	A2F32	1
OSSH-B40	50065646	A2F40	1
OSSH-B50	50065647	A2F50	1
OSSH-B63	50065648	A2F63	1
OSSH-B75	50065649	A2F75	1



Venting

Pressure, temperature and humidity change constantly. This is frequently a problem for electrical devices. Condensation frequently causes failures in electronic enclosures, sensors and other devices. Thanks to their breathable membrane, WISKA's venting products prevent condensation in enclosures.



The challenge

In all areas of electrical installation, there may be the formation of condensation in sealed enclosures which are subjects to temperature changes, therefore differences in pressure between the interior and exterior. Where there is water in an electrical application, it can lead to corrosion, electrical short circuits and other damage. These frequently lead to electricity failures, supply bottlenecks, cost-intensive shut downs and high repair expenses.

Previously, expensive and high maintenance electronic heating or ventilation systems were used to tackle the formation of condensation. Drip holes in the enclosure are commonly used, but they mean a loss of water protection and thus, the high protection class. WISKA faced this challenge and developed water-tight and simultaneously breathable solutions for pressure equalization.

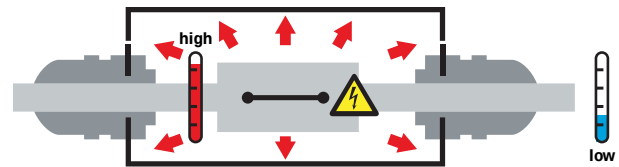
The solution

With its venting products, WISKA has developed a solution, which follows nature by example. With the help of a breathable ePTFE membrane, constant pressure equalization can occur between the interior and exterior of the enclosure. The formation of condensation is minimized.

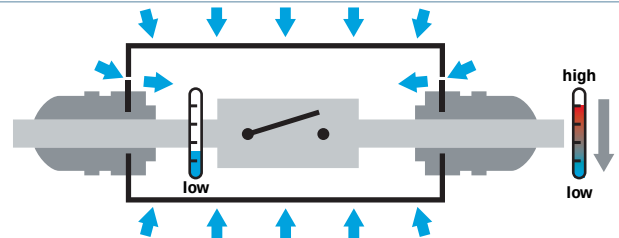


How does water intrude into the enclosure?

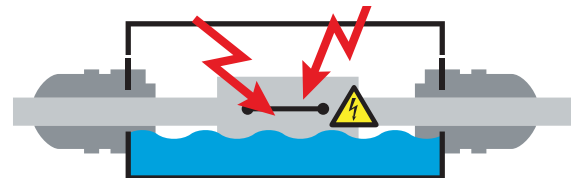
The enclosure heats up during operation.



After shut down or at night, there may be temperature differences between the interior and exterior. This temperature difference results in low pressure which is followed by an air flow from the exterior to the interior.



The moisture in the air condensates and leads to disruptions, like short-circuits in the enclosure.



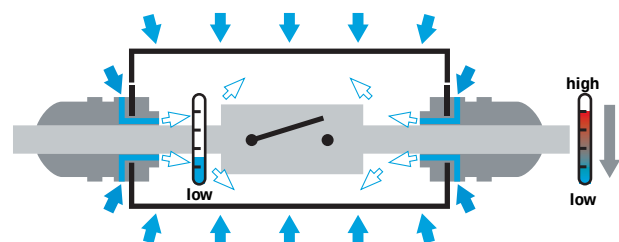
How does venting work?

Through the usage of VentGLAND and VentPLUG, the interior pressure can adjust to the environmental pressure. The ingress protection class of the enclosure remains completely unchanged.

VentGLAND and VentPLUG are unique, through allowing a high air flow rate whilst simultaneously providing a high IP protection. The ePTFE-membrane used is permeable by air on both sides and water tight on one side.

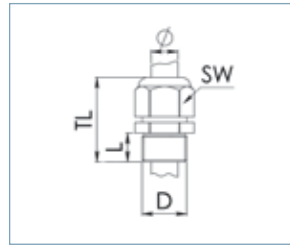
Your benefits

- Minimized condensation and thus a reduction of operating failures and expensive repairs
- No expensive and high maintenance ventilation systems
- No drip holes that reduce the protection class
- Cost savings through the omission of expensive maintenance and reinstallations



VentGLAND SPRINT cable glands, ESVG, polyamide, metric, EN 50262

ESVG

**Protection class:**

IP 69K / IP 68, to 0,6 bar

Temperature range:

-40 °C - 100 °C

Material:

Gland: Polyamide, Gasket: EPDM, Membrane: ePTFE

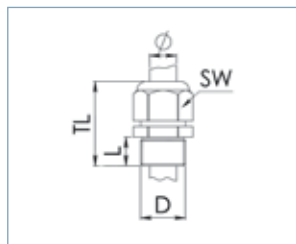
Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005	 D (mm)	 TL (mm)	 (mm)	 SW (mm)	TL (mm)	
ESVG 20	10060974	10060802	M 20x1,5	10	6 - 13	24	41 - 50	1
ESVG 25	10100666	10100667	M 25x1,5	10	9 - 17	29	45 - 54	1
ESVG 32	10100801	10100802	M 32x1,5	12	13 - 21	36	49 - 58	1
ESVG 40	10102471	10102472	M 40x1,5	12	16 - 28	46	52 - 65	1

Recommended accessoriesEMUG
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VentGLAND SPRINT cable glands, EMSVG, brass nickel-plated, metric, EN 50262



EMSVG



Protection class:

IP 69K / IP 68, to 0,6 bar

Temperature range:

-40 °C - 100 °C

Material:

Gland: Brass nickel-plated, Gasket: EPDM, Clamping cage: Polyamide, Membrane: ePTFE

Type	WISKA-No. Ni					TL (mm)	
EMSVG 20	10065900	M 20x1,5	6	6 · 13	24	41 · 50	1
EMSVG 25	10065901	M 25x1,5	7	9 · 17	29	43 · 52	1
EMSVG 32	10065902	M 32x1,5	8	13 · 21	36	47 · 56	1
EMSVG 40	10065903	M 40x1,5	8	16 · 28	46	57 · 70	1
EMSVG 50	10065904	M 50x1,5	9	21 · 35	55	64 · 77	1
EMSVG 63	10065905	M 63x1,5	10	34 · 48	68	69 · 83	1

Recommended accessories



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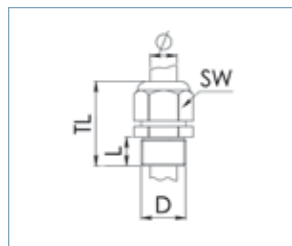
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VentGLAND, SPRINT cable glands, ESSVG, stainless steel, metric, EN 50262

ESSVG



ESSVG-4

**Protection class:**

IP 69K / IP 68, to 0,6 bar

Temperature range:

-40 °C - 100 °C

Material:

Gland: Stainless steel (1.4305), Gasket: EPDM, Clamping cage: Polyamide, Membrane: ePTFE

ESSVG, stainless steel 1.4305

Type	WISKA-No.					TL (mm)	
ESSVG 20	10069400	M 20x1,5	6	6 - 13	24	41 - 50	1
ESSVG 25	10069401	M 25x1,5	7	9 - 17	30	43 - 52	1
ESSVG 32	10069402	M 32x1,5	8	13 - 21	36	47 - 56	1
ESSVG 40	10069403	M 40x1,5	8	16 - 28	46	57 - 70	1
ESSVG 50	10069404	M 50x1,5	9	21 - 35	55	64 - 77	1
ESSVG 63	10069405	M 63x1,5	10	34 - 48	68	69 - 83	1

ESSVG-4, stainless steel 1.4404

Type	WISKA-No.					TL (mm)	
ESSVG-4 20	10069500	M 20x1,5	6	6 - 13	24	41 - 50	1
ESSVG-4 25	10069501	M 25x1,5	7	9 - 17	30	43 - 52	1
ESSVG-4 32	10069502	M 32x1,5	8	13 - 21	36	47 - 56	1
ESSVG-4 40	10069503	M 40x1,5	8	16 - 28	46	57 - 70	1
ESSVG-4 50	10069504	M 50x1,5	9	21 - 35	55	64 - 77	1
ESSVG-4 63	10069505	M 63x1,5	10	34 - 48	68	69 - 83	1

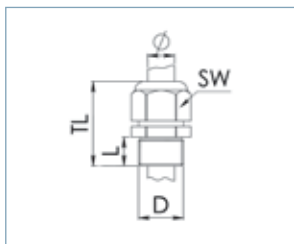
Recommended accessories

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VentGLAND EMC SPRINT cable glands with earthing cones DIN 89345, EMSVG EMV-Z, brass nickel-plated, metric, EN 50262



EMSVG EMV-Z



Protection class:

IP 69K / IP 68, to 0,6 bar

Temperature range:

-40 °C - 100 °C

Material:

Gland: Brass nickel-plated, Gasket: EPDM, Clamping cage: Polyamide, Membrane: ePTFE

Type	WISKA-No. Ni					TL (mm)	
EMSVG 20 EMV-Z	10065906	M 20x1,5	6	6 · 13	24	41 · 50	1
EMSVG 25 EMV-Z	10065907	M 25x1,5	7	9 · 17	29	43 · 52	1
EMSVG 32 EMV-Z	10065908	M 32x1,5	8	13 · 21	36	47 · 56	1
EMSVG 40 EMV-Z	10065909	M 40x1,5	8	16 · 28	46	57 · 70	1
EMSVG 50 EMV-Z	10065910	M 50x1,5	9	21 · 35	55	64 · 77	1
EMSVG 63 EMV-Z	10065911	M 63x1,5	10	34 · 48	68	69 · 83	1

Recommended accessories



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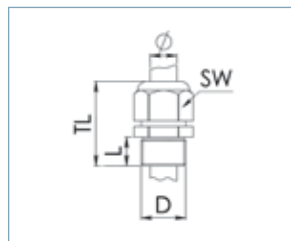
VentGLAND EMC SPRINT cable glands with earthing cones DIN 89345, ESSVG EMV-Z, stainless steel, metric, EN 50262



ESSVG EMV-Z



ESSVG-4 EMV-Z

**Protection class:**

IP 69K / IP 68, to 0,6 bar

Temperature range:

-40 °C - 100 °C

Material:

Gland: Stainless steel A2 (1.4305), Gasket: EPDM, Clamping cage: Polyamide, Earthing cones: Brass chromium-plated, Membrane: ePTFE

ESSVG EMV-Z, stainless steel 1.4305

Type	WISKA-No.					TL (mm)	
ESSVG 20 EMV-Z	10069406	M 20x1,5	6	6 - 13	24	41 - 50	1
ESSVG 25 EMV-Z	10069407	M 25x1,5	7	9 - 17	30	43 - 52	1
ESSVG 32 EMV-Z	10069408	M 32x1,5	8	13 - 21	36	47 - 56	1
ESSVG 40 EMV-Z	10069409	M 40x1,5	8	16 - 28	46	57 - 70	1
ESSVG 50 EMV-Z	10069410	M 50x1,5	9	21 - 35	55	64 - 77	1
ESSVG 63 EMV-Z	10069411	M 63x1,5	10	34 - 48	68	69 - 83	1

ESSVG-4 EMV-Z, stainless steel 1.4404

Type	WISKA-No.					TL (mm)	
ESSVG-4 20 EMV-Z	10069506	M 20x1,5	6	6 - 13	24	41 - 50	1
ESSVG-4 25 EMV-Z	10069507	M 25x1,5	7	9 - 17	30	43 - 52	1
ESSVG-4 32 EMV-Z	10069508	M 32x1,5	8	13 - 21	36	47 - 56	1
ESSVG-4 40 EMV-Z	10069509	M 40x1,5	8	16 - 28	46	57 - 70	1
ESSVG-4 50 EMV-Z	10069510	M 50x1,5	9	21 - 35	55	64 - 77	1
ESSVG-4 63 EMV-Z	10069511	M 63x1,5	10	34 - 48	68	69 - 83	1

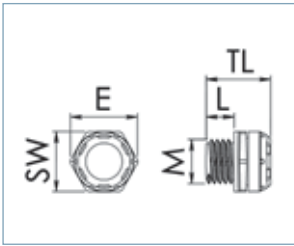
Recommended accessories

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VentPLUG pressure compensation unit, EVPS, polyamide, metric



EVPS



Protection class: IP 69K / IP 68, 1,5 bar 30 min
Temperature range: -40 °C - 100 °C
Material: Polyamide, Gasket: TPE, Membrane: ePTFE

Type	WISKA-No. RAL 7035	WISKA-No. RAL 9005	 D (mm)	 SW (mm)	 L (mm)	TL (mm)	E (mm)	
EVPS 12	10102369	10102370	M 12x1,5	16	6	17,5	18	10

POLYAMIDE
POLYAMIDE ACCESSORIES
MEMBRANE
BRASS
BRASS ACCESSORIES
MARITIME
STAINLESS STEEL
EMC
EX E / I
EX D
VENTING
BS 6121
SEALINGS, TOOLS
JUNCTION BOXES
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British Standard cable glands

With its cable glands complying with British Standard (BS) 6121, WISKA offers products for installation. Due to the use of steel wire armour cables, these locations require the use of special versions of cable glands.



BS 6121

Cable glands to BS 6121

Unlike to German market, the UK and other Commonwealth markets use steel wire armoured cable, which requires the use of BW and CW cable glands. In addition to these cables there are types to suit SY or CY braided cable. The demands of these kind of cable glands are fixed in British Standard (BS) 6121.

BS 6121 was originally developed to embrace both industrial and hazardous area cable gland design. Eventually, due to several changes within the standards, and with the emergence of harmonised European Normative for products and equipment used in potentially flammable atmospheres, BS 6121 concentrated on the industrial cable gland design only, the essence of which has prevailed for more than 40 years.

Today the BS 6121 requirement, although still called for in many engineering specifications around the world, is slowly being lost and diluted in the process of harmonisation and globalisation. Whilst new EN standards may be brought into deal with generic subject headings, and are considered to replace existing national standards, they do not always address the issues and needs of all applications.

See the following tables composed from data included in BS 6121:Part 1:1989.

Table A: Cable gland type designations for unarmoured cables

Type	Definition
A1	For unarmoured cable with an elastomeric or plastic outer sheath, with sealing function between the cable sheath and the sealing ring of the cable gland
A2	As type A1, with IP 66
A3	As type A1, but with an electrical bond for the metallic inner screen

Table B: Cable gland type designations for armoured cables

Type	Definition
B	No seal
C	Single outer seal
D	Single inner seal double (inner & outer) seal
E	Suffix ,1' = normal, suffix ,2' = lead sheathed

Table C: Cable type designations

Type	Definition
T	Pliable wire armour
W	Single wire armour
X	Braid
Y	Strip armour
Z	Tape armour

Table D: Typical cable gland type designations

Type	Definition
A2	Cable gland for unarmoured cable with outer seal
BW	Cable gland for SWA cable without seal
CW	Single seal cable gland for SWA cable
E1W	Double seal cable gland for SWA cable
CX	Single seal cable gland for braided cable
E1X	Double seal cable gland for braided cable

Gland selection guidelines

The following is an extract from BS6121:Part 1, with additions to assist in gland selection acc. to BS 6121.

- Select the type of cable and identify the gland type from this catalogue.
- Check the type, size and voltage rating of the cable.
- Check the size of the cable over the inner / lead sheath against the catalogue.
- Check the size of overall cable diameter against the catalogue.
- Check the size of armour or braiding.

Nominal conductor area (mm²)	Number of cores											
	1	2	3	4	5	7	10	12	19	27	37	48
1,5	-	20s	20s	20s	20s	20s	20	20	25	25	32	32
2,5	-	20s	20s	20s	20s	20s	25	25	25	32	40	40
4	-	20s	20s	20								
6	-	20	20	20								
10	-	20	20	25								
16	-	25	25	25								
25	-	25	25	32								
35	-	32	32	40								
50	20	32	32	40								
70	20	32	40	40								
95	25	40	40	40								
120	25	40	50	50								
150	32	40	50	63								
185	32	50	50	63								
240	32	50	63	63								
300	40	63	63	75s								
400	40	63	75	75								

The gland size recommended in this chart are for guidance only and are based on cable manufactured to BS 5467. In accordance with BS 6121 actual cable dimensions must be used for gland selection.

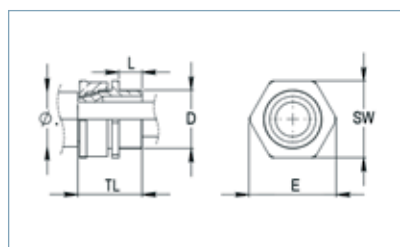
Gland packs, BW Pack, brass, BS 6121



BWP Pack



BW Pack



Protection class: IP 20
Temperature range: -80 °C - 300 °C
Material: Brass

BWP Pack, Premium, Shroud halogen-free (LSF)

Type	WISKA-No. bright						TL (mm)	
BWP 20S Pack	50101701	M 20x1,5	10	- 15,8	-11,8	22	29	2
BWP 20 Pack	50101702	M 20x1,5	10	- 20,8	-13,8	27	34	2
BWP 25 Pack	50101703	M 25x1,5	10	- 27,5	-19,8	34	36	2
BWP 32 Pack	50101704	M 32x1,5	10	- 33,5	-26,4	41	39	2
BWP 40 Pack	50101705	M 40x1,5	15	- 40,9	-32,4	50	46	1
BWP 50S Pack	50101706	M 50x1,5	15	- 46,3	-38	59	48	1
BWP 50 Pack	50101707	M 50x1,5	15	- 52,6	-44	65	48	1
BWP 63S Pack	50101708	M 63x1,5	15	- 61,5	-49	75	54	1
BWP 63 Pack	50101709	M 63x1,5	15	- 65,3	-55,5	80	54	1
BWP 75S Pack	50101710	M 75x1,5	20	- 73	-62	90	62	1
BWP 75 Pack	50101711	M 75x1,5	20	- 78	-67	95	62	1
BWP 90 Pack	50101712	M 90x1,5	20	- 90	-79	106	66	1

BW Pack, Economy

Type	WISKA-No. bright					TL (mm)	
BW 20S Pack	50101693	M 20x1,5	10	- 15,5	21	29	2
BW 20L Pack	50101694	M 20x1,5	10	- 18,3	24	29	2
BW 25 Pack	50101695	M 25x1,5	10	- 25,4	32	34	2
BW 32 Pack	50101696	M 32x1,5	10	- 32,2	38	34	2
BW 40 Pack	50101697	M 40x1,5	15	- 38,5	47	43	1
BW 50 Pack	50101698	M 50x1,5	15	- 52	60	45	1
BW 63 Pack	50101699	M 63x1,5	15	- 64,7	74	50	1
BW 75 Pack	50101700	M 75x1,5	20	- 70	90	62	1

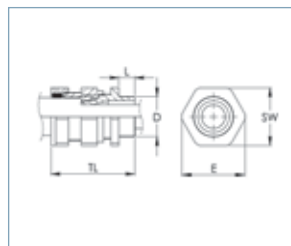
Gland packs, CW Pack, brass, BS 6121



CWP Pack



CW Pack



Protection class: IP 66
Temperature range: -20 °C · 80 °C
Material: Brass

CWP Pack, Premium, for armored cable, Shroud halogen-free (LSF)

Type	WISKA-No. bright						TL (mm)	
CWP 20SS Pack	50101680	M 20x1,5	10	8,4 · 13,8	-9	22	48	2
CWP 20S Pack	50101681	M 20x1,5	10	12,9 · 15,8	-11,8	24	50	2
CWP 20 Pack	50101682	M 20x1,5	10	15,5 · 20,8	-13,8	30	51	2
CWP 25 Pack	50101683	M 25x1,5	10	20,3 · 27,5	-19,8	38	58	2
CWP 32 Pack	50101684	M 32x1,5	10	26,7 · 33,5	-26,4	46	58	2
CWP 40 Pack	50101685	M 40x1,5	15	33 · 40,9	-32,4	55	77	1
CWP 50S Pack	50101686	M 50x1,5	15	39,4 · 46,3	-38	60	82	1
CWP 50 Pack	50101687	M 50x1,5	15	45,7 · 52,6	-44	65	82	1
CWP 63S Pack	50101688	M 63x1,5	15	52,1 · 61,5	-44	75	88	1
CWP 63 Pack	50101689	M 63x1,5	15	58,4 · 65,3	-55,5	80	88	1
CWP 75S Pack	50101690	M 75x1,5	20	64,8 · 73	-62	90	100	1
CWP 75 Pack	50101691	M 75x1,5	20	71 · 78	-67	95	100	1
CWP 90 Pack	50101692	M 90x1,5	20	81 · 90	-79	110	115	1

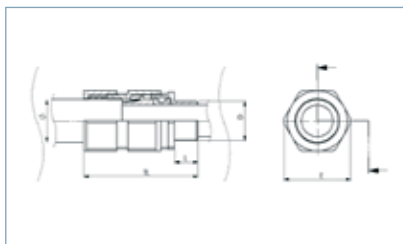
CW Pack, Economy

Type	WISKA-No. bright						TL (mm)	
CW 20S Pack	50101673	M 20x1,5	10	12,8 · 15,5	-11,8	24	48	2
CW 20L Pack	50101674	M 20x1,5	10	15,5 · 19,5	-13,6	27	50	2
CW 25 Pack	50101675	M 25x1,5	10	23 · 26,5	-20	35	57	2
CW 32 Pack	50101676	M 32x1,5	10	28 · 33,5	-26,5	42	62	2
CW 40 Pack	50101677	M 40x1,5	15	34 · 39,5	-32,1	53	69	1
CW 50 Pack	50101678	M 50x1,5	15	46 · 52	-42,2	63	73	1
CW 63 Pack	50101679	M 63x1,5	15	60 · 66	-55,2	80	82	1

Gland packs for single-wire armoured cables, E1W Pack, premium, brass, shroud halogen-free (LSF), BS 6121



E1W Pack



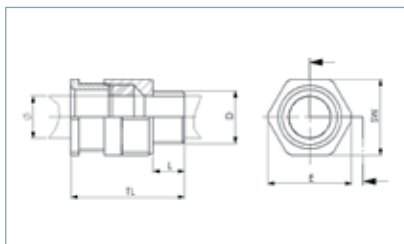
Protection class: IP 66/68
Temperature range: -20 °C - 80 °C
Material: Brass

Type	WISKA-No. bright	 D (mm)	 L (mm)	 (mm)	 (mm)	 SW (mm)	TL (mm)	
E1W 20S Pack	50101655	M 20x1,5	15	12,9 - 15,8	8 - 11,8	24	63	2
E1W 20 Pack	50101656	M 20x1,5	15	15,5 - 20,8	11 - 13,8	30	67	2
E1W 25 Pack	50101657	M 25x1,5	15	20,3 - 27,5	13 - 19,8	38	76	2
E1W 32 Pack	50101658	M 32x1,5	15	26,7 - 33,5	19 - 26,4	46	80	2
E1W 40 Pack	50101659	M 40x1,5	20	33 - 40,9	25 - 32,4	55	86	1
E1W 50 Pack	50101660	M 50x1,5	20	39,4 - 46,3	31,5 - 38	60	94	1
E1W 50L Pack	50101661	M 50x1,5	20	45,7 - 52,6	36,5 - 44	65	94	1
E1W 63S Pack	50101662	M 63x1,5	20	52,1 - 61,5	42,5 - 49	75	103	1
E1W 63L Pack	50101663	M 63x1,5	20	58,4 - 65,3	48,5 - 55,5	80	103	1
E1W 75S Pack	50101664	M 75x1,5	20	64,8 - 73	54,5 - 62	90	106	1
E1W 75 Pack	50101665	M 75x1,5	20	71 - 78	60,5 - 67	95	106	1

Gland packs for wire-braided cables, CXT Pack, premium, brass, shroud halogen-free (LSF), BS 6121



CXT Pack



Protection class: IP 66
Temperature range: -20 °C - 80 °C
Material: Brass

Type	WISKA-No. bright	 D (mm)	 L (mm)	 7 (mm)	 SW (mm)	TL (mm)	 2 (mm)
CXT 20S Pack	50101666	M 20x1,5	15	7 · 11,6	24	40	2
CXT 20L Pack	50101667	M 20x1,5	15	10,5 · 13,6	27	40	2
CXT 25 Pack	50101668	M 25x1,5	15	12,5 · 19,8	36	49	2
CXT 32 Pack	50101669	M 32x1,5	15	18,5 · 26,3	41	49	2
CXT 40 Pack	50101670	M 40x1,5	20	25 · 32,1	50	51	1
CXT 50 Pack	50101671	M 50x1,5	20	30,5 · 38,1	60	51	1
CXT 63 Pack	50101672	M 63x1,5	20	36,5 · 44	75	69	1



Sealings, tools

WISKA offers a comprehensive range of reduction, multiple and special sealing inserts which can be combined with all of the cable glands and materials from the SPRINT cable gland system for metric, NPT and PG threads to meet at least the IP 66 standard. In addition to individual versions, also various materials for special uses, i.e. low temperatures, are available.



Sealings for every application

Due to their versatile design, sealing inserts from WISKA are available for nearly all cables, with diverse numbers of cable entries and for diverse applications.

Multiple sealing inserts

Multiple cables with the same or different diameters are frequently inserted into one enclosure – as enclosures get smaller and smaller, only little space is offered for difficult installations. Thanks to multiple sealing inserts (MFD) from WISKA, multiple cables, even with different diameters, can be inserted through only one cable gland. This saves assembly work and time while unused holes can be sealed with red blind plugs making them easily identifiable.



Split sealing inserts

For assembled cables, for example with plugs, clamps or sensors, WISKA has developed the split sealing insert. Once the cable has been fed through the fitting, the seal is split, put around the cable and fixed within the fitting. In this way, nearly any assembled cable types can be installed. Thanks to a special production technology, most multiple sealing inserts can also be converted into split sealing inserts.



Special sealing inserts

WISKA also offers sealings for special cable types, such as flat or ASi bus cables, as part of its standard range. Other versions, which can be combined with metric, NPT and PG threads, are also available on request – please contact us for specification.



SPRINT reduction sealing inserts, RDE



RDE



Protection class: IP 68
Temperature range: -40 °C · 100 °C
Colour: Black
Material: EPDM

Type	WISKA-No. RAL 9005	 (mm)		
RDE 12	10062183	1 · 3	SPRINT 12	50
RDE 16	10062184	2 · 6	SPRINT 16	50
RDE 20	10062185	4 · 8	SPRINT 20	50
RDE 32	10062186	9 · 14	SPRINT 32	25
RDE 40	10062187	12 · 20	SPRINT 40	10
RDE 50	10062188	16 · 25	SPRINT 50	10
RDE 63	10062189	28 · 38	SPRINT 63	10

SPRINT reduction sealing inserts LowTemp, RDE LT



RDE LT



Protection class: IP 68
Temperature range: -60 °C - 100 °C
Colour: Red
Material: Silicone

Type	WISKA-No. RAL 3000	 (mm)		
RDE 12 LT	10063981	1 - 3	SPRINT 12	50
RDE 16 LT	10063908	2 - 6	SPRINT 16	50
RDE 20 LT	10063909	4 - 8	SPRINT 20	50
RDE 25 LT	10063910	7 - 12	SPRINT 25	25
RDE 32 LT	10063934	9 - 14	SPRINT 32	25
RDE 40 LT	10063960	12 - 20	SPRINT 40	10
RDE 50 LT	10063966	16 - 25	SPRINT 50	10
RDE 63 LT	10063967	28 - 38	SPRINT 63	10

SPRINT blind sealing inserts, VFD



VFD



Protection class: IP 66
Temperature range: -40 °C · 100 °C
Material: Thermoplastic elastomer

Type	WISKA-No. RAL 9005		
VFD 12	10064462	SPRINT 12	25
VFD 16	10064463	SPRINT 16	25
VFD 20	10064464	SPRINT 20	25
VFD 25	10064465	SPRINT 25	25
VFD 32	10064466	SPRINT 32	25
VFD 40	10064467	SPRINT 40	25
VFD 50	10064468	SPRINT 50	25
VFD 63	10064469	SPRINT 63	25

SPRINT multiple sealing inserts, MFD



MFD



Protection class: IP 66
Temperature range: -40 °C · 100 °C
Material: Thermoplastic elastomer

Type	WISKA-No. RAL 9005	 (mm)			
MFD 12/02/020	10100525	1 · 2	2	SPRINT 12	25
MFD 12/04/020	10064392	1,5 · 2	4	SPRINT 12	25
MFD 16/02/040	10064393	2 · 4	2	SPRINT 16	25
MFD 16/03/021	10101014	1 · 2,1	3	SPRINT 16	25
MFD 20/02/050	10101015	4 · 5	2	SPRINT 20	25
MFD 20/02/060	10064395	4 · 6	2	SPRINT 20	25
MFD 20/02/065	10060953	5 · 6,5	2	SPRINT 20	25
MFD 20/03/040	10064341	2,5 · 4	3	SPRINT 20	25
MFD 20/3/045	10102306	2,5 · 4,5	3	SPRINT 20	25
MFD 25/01/065	10060954	4 · 6,5	1	SPRINT 25	25
MFD 25/01/090	10101016	7 · 9	1	SPRINT 25	25
MFD 25/01/105-01/055	10101255	5 · 10,5	2	SPRINT 25	25
MFD 25/02/060	10060452	4 · 6	2	SPRINT 25	25
MFD 25/02/070	10063995	5 · 7	2	SPRINT 25	25
MFD 25/02/080	10060952	6 · 8	2	SPRINT 25	25
MFD 25/03/070	10064342	5 · 7	3	SPRINT 25	25
MFD 25/04/060	10064343	4 · 6	4	SPRINT 25	25
MFD 25/05/056	10102023	4,5 · 5,6	5	SPRINT 25	25
MFD 32/01/115-01/085	10101256	8 · 11,5	2	SPRINT 32	25
MFD 32/03/065	10102169	4,5 · 6,5	3	SPRINT 32	25
MFD 32/03/080	10101018	6 · 8	3	SPRINT 32	25
MFD 32/03/090	10102170	7 · 9	3	SPRINT 32	25
MFD 32/04/070	10064344	5 · 7	4	SPRINT 32	25
MFD 32/05/070	10101140	5 · 7	5	SPRINT 32	25
MFD 32/04/080	10064950	6 · 8	4	SPRINT 32	25
MFD 32/06/060	10064345	5 · 6	6	SPRINT 32	25
MFD 40/03/125	10102054	11,5 · 12,5	3	SPRINT 40	25
MFD 40/04/100	10101017	8 · 10	4	SPRINT 40	25
MFD 40/6/065	10102171	5,5 · 6,5	6	SPRINT 40	25
MFD 40/06/090	10102172	7,5 · 9	6	SPRINT 40	25
MFD 40/07/070	10064348	5 · 7	7	SPRINT 40	25
MFD 40/07/080	10064347	6 · 8	7	SPRINT 40	25
MFD 40/08/060	10064346	5 · 6	8	SPRINT 40	25
MFD 40/09/069	10101427	6 · 7	9	SPRINT 40	25
MFD 50/09/080	10064394	6 · 8	9	SPRINT 50	25
MFD 50/25/050	10063102	4 · 5	25	SPRINT 50	25
MFD 63/01/131-01/118-03/084-02	10101114	6 · 13	7	SPRINT 63	25
MFD 63/02/065-01/090	10101223	5 · 9	3	SPRINT 63	25
MFD 63/03/065	10101201	5 · 6,5	3	SPRINT 63	25

Other sizes on request

SPRINT special sealing inserts



GFD



FFD



SFD



Protection class: IP 66
Temperature range: -40 °C · 100 °C
Material: Thermoplastic elastomer

FFD, for flat cables

Type	WISKA-No. RAL 9005			
FFD 20/01/510	10064322	1	SPRINT 20	25
FFD 20/01/713	10101192	1	SPRINT 20	25
FFD 25/01/816	10103326	1	SPRINT 25	25

SFD, for ASi-Bus-cables

Type	WISKA-No. RAL 9005			
SFD 20/01/ASi	10064329	1	SPRINT 20	25

GFD, split, for assembled cables

Type	WISKA-No. RAL 9005			
GFD 20/01/015	10064328	1	SPRINT 20	25
GFD 20/01/060	10102297	1	SPRINT 20	25
GFD 25/01/050	10101019	1	SPRINT 25	25
GFD 25/01/060	10066632	1	SPRINT 25	25
GFD 32/01/045-01/085	10101145	2	SPRINT 32	25
GFD 32/01/073	10102359	1	SPRINT 32	25
GFD 50/01/080	10101020	1	SPRINT 50	25
GFD 63/01/090	10101536	1	SPRINT 63	25
GFD 63/02/065-01/090	10101224	3	SPRINT 63	25
GFD 63/03/065	10101200	3	SPRINT 63	25

Other sizes on request

SPRINT blind plugs, BS



BS



SPRINT



Temperature range:

-40 °C - 100 °C

Colour:

Red

Material:

Polyamide

Type	WISKA-No.	 (mm)	TL (mm)	
BS 2	10064000	2	12	50
BS 3	10064001	3	12	50
BS 4	10064002	4	12	50
BS 5	10064003	5	12	50
BS 6	10064004	6	16	50
BS 7	10064005	7	16	50
BS 8	10064006	8	16	50
BS 9	10064007	9	16	50
BS 10	10064008	10	16	50
BS 12	10064009	12	22	50
BS 13	10064010	13	22	50
BS 14	10064011	14	22	50
BS 17	10064012	17	17	50
BS 20	10064013	20	22	25
BS 21	10064014	21	30	25
BS 25	10064015	25	30	25
BS 28	10064016	28	30	25
BS 35	10064017	35	35	10
BS 38	10064018	38	35	10
BS 48	10064019	48	35	10
BS 63	10064020	63	35	5

SPRINT dust-protection gaskets, ESTS



ESTS



SPRINT

**Colour:**

Yellow

Material:

Polyethylene

Type	WISKA-No.		
ESTS 12	10062450	SPRINT 12	100
ESTS 16	10062451	SPRINT 16	100
ESTS 20	10062452	SPRINT 20	100
ESTS 25	10062453	SPRINT 25	100
ESTS 32	10062454	SPRINT 32	100
ESTS 40	10062455	SPRINT 40	100
ESTS 50	10062456	SPRINT 50	100
ESTS 63	10062457	SPRINT 63	100

POLYAMIDE

POLYAMIDE
ACCESSORIES

MEMBRANE

BRASS

BRASS
ACCESSORIES

MARITIME

STAINLESS
STEEL

EMC

EX E / I

EX D

VENTING

BS 6121

SEALINGS,
TOOLSJUNCTION
BOXES

TECHNICS

INDEX

SPRINT O-ring seals, ORD



ORD-E



ORD-V



ORD-S



ORD-E, EPDM, -40 °C · 120 °C, black

Type	WISKA-No. RAL 9005			
ORD-E 12	10064697	SPRINT 12	M 12x1,5	100
ORD-E 16	10064698	SPRINT 16	M 16x1,5	100
ORD-E 20	10064699	SPRINT 20	M 20x1,5	100
ORD-E 25	10064700	SPRINT 25	M 25x1,5	100
ORD-E 32	10064701	SPRINT 32	M 32x1,5	100
ORD-E 40	10064702	SPRINT 40	M 40x1,5	100
ORD-E 50	10064703	SPRINT 50	M 50x1,5	100
ORD-E 63	10064704	SPRINT 63	M 63x1,5	100
ORD-E 75	10101765	SPRINT 75	M 75x1,5	100

ORD-V, viton, -15 °C · 200 °C, black

Type	WISKA-No. RAL 9005			
ORD-V 12	10064705	SPRINT 12	M 12x1,5	100
ORD-V 16	10064706	SPRINT 16	M 16x1,5	100
ORD-V 20	10064707	SPRINT 20	M 20x1,5	100
ORD-V 25	10064708	SPRINT 25	M 25x1,5	100
ORD-V 32	10064709	SPRINT 32	M 32x1,5	100
ORD-V 40	10064710	SPRINT 40	M 40x1,5	100
ORD-V 50	10064711	SPRINT 50	M 50x1,5	100
ORD-V 63	10064712	SPRINT 63	M 63x1,5	100

ORD-S, silicone, -60 °C · 160 °C, blue

Type	WISKA-No. ...-I/RAL 5012			
ORD-S 12	10101757	SPRINT 12	M 12x1,5	100
ORD-S 16	10101758	SPRINT 16	M 16x1,5	100
ORD-S 20	10101759	SPRINT 20	M 20x1,5	100
ORD-S 25	10101760	SPRINT 25	M 25x1,5	100
ORD-S 32	10101761	SPRINT 32	M 32x1,5	100
ORD-S 40	10101762	SPRINT 40	M 40x1,5	100
ORD-S 50	10101763	SPRINT 50	M 50x1,5	100
ORD-S 63	10101764	SPRINT 63	M 63x1,5	100

Connection thread gaskets



EADR



ADR



Temperature range:

-40 °C · 140 °C

Material:

EPDM

EADR, SPRINT, metric

Type	WISKA-No. RAL 9005		TL (mm)	
EADR 12	10062801	M 12x1,5	2	100
EADR 16	10062802	M 16x1,5	2	100
EADR 20	10062803	M 20x1,5	2	100
EADR 25	10062804	M 25x1,5	2	100
EADR 32	10062805	M 32x1,5	2	100
EADR 40	10062806	M 40x1,5	2	100
EADR 50	10062807	M 50x1,5	2	100
EADR 63	10062808	M 63x1,5	2	100

ADR, PG

Type	WISKA-No. RAL 9005		TL (mm)	
ADR 7	10061419	PG 7	2	100
ADR 9	10061420	PG 9	2	100
ADR 11	10061421	PG 11	2	100
ADR 13,5	10061422	PG 13,5	2	100
ADR 16	10061423	PG 16	2	100
ADR 21	10061424	PG 21	3	100
ADR 29	10061425	PG 29	3	100
ADR 36	10061426	PG 36	3	100
ADR 42	10061427	PG 42	3	100
ADR 48	10061428	PG 48	3	100

Box spanners for SPRINT cable glands, WSTS



WSTS

**Material:**

Steel galvanized

Type	WISKA-No.		
WSTS 16	10062810	SPRINT 16	1
WSTS 20	10062811	SPRINT 20	1
WSTS 25	10062812	SPRINT 25	1
WSTS 32	10062813	SPRINT 32	1
WSTS 40	10062814	SPRINT 40	1
WSTS 50	10062847	SPRINT 50	1
WSTS 63	10062848	SPRINT 63	1



Junction boxes

Simple and time-saving assembly are the clear advantages of our COMBI junction boxes. With their bellied covers they offer maximum internal space for installation. Thanks to their robust, weather and UV-resistant housing, they are ideally suited to the extreme conditions of external installations.



COMBI – The junction box for all applications



COMBI 308, 607 and 1210 have an integrated thread in which cable glands can be directly mounted into – without locknuts. The combination of thread and membrane saves you one further working process.

Solid thermoplastic housing made out of 2 different kinds of moulding components

10 % more room inside thanks to bellied cover



COMBI 108, 308, 607 and 1210: 30 % saving on labour thanks to faster cable-entry via soft self-sealing diaphragm, no further tools required

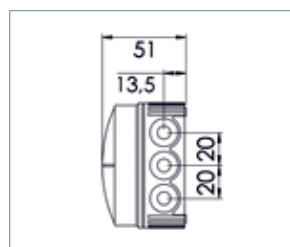
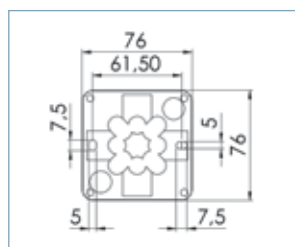


COMBI 108, 607 and 1210: Self-sealing membrane in the ground enables clean assembly for cable outputs from the wall

Junction boxes, COMBI 108



COMBI 108



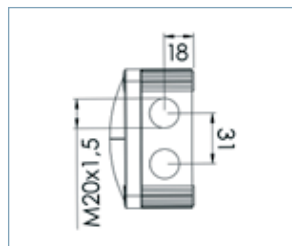
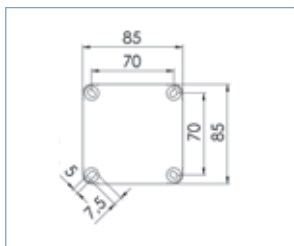
Protection class:	IP 66
Glow wire test:	750 °C
Temperature range:	-25 °C - 50 °C
Installation temperature:	-5 °C - 60 °C
Voltage:	400 V
Terminals/poles:	2,5 mm ²
Advice:	Colour: RAL 7035 - .../S = RAL 9005 - .../W = RAL 9001 - .../DR = RAL 7035 / RAL 3000 - .../SMB = mounting clip
Material:	Polypropylene, Gasket: TPE

Type	WISKA-No.	 (mm)		LxBxH external (mm)	
COMBI 108/empty	10060522	3 - 14		76 x 76 x 51	10
COMBI 108/empty/S	10061999	3 - 14		76 x 76 x 51	10
COMBI 108/empty/W	10060622	3 - 14		76 x 76 x 51	10
COMBI 108/empty/DR	10060632	3 - 14		76 x 76 x 51	10
COMBI 108/empty/SMB	10061974	3 - 14		76 x 76 x 51	10
COMBI 108/5	10060523	3 - 14		76 x 76 x 51	10
COMBI 108/5/S	10061998	3 - 14		76 x 76 x 51	10
COMBI 108/5/W	10060623	3 - 14		76 x 76 x 51	10
DIN RAIL KIT 308/108	10060362	-			1

Junction boxes, COMBI 308



COMBI 308



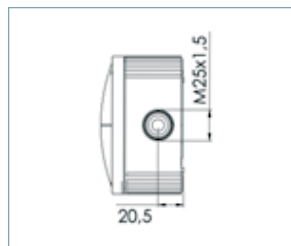
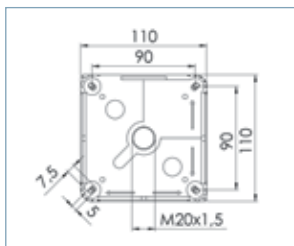
Protection class:	IP 66
Glow wire test:	750 °C
Temperature range:	-30 °C - 100 °C
Installation temperature:	-5 °C - 60 °C
Voltage:	400 V
Terminals/poles:	4 mm ²
Advice:	Colour: RAL 7035 - .../S = RAL 9005 - .../W = RAL 9001 - .../DR = RAL 7035 / RAL 3000 - ...
Material:	Polypropylene, Gasket: TPE

Type	WISKA-No.	 (mm)		LxBxH external (mm)	
COMBI 308/empty	10060400	3 - 12		85 x 85 x 51	5
COMBI 308/empty/S	10060581	3 - 12		85 x 85 x 51	5
COMBI 308/empty/W	10060610	3 - 12		85 x 85 x 51	5
COMBI 308/empty/DR	10060480	3 - 12		85 x 85 x 51	5
COMBI 308/5	10060401	3 - 12		85 x 85 x 51	5
COMBI 308/5/S	10060580	3 - 12		85 x 85 x 51	5
COMBI 308/5/W	10060611	3 - 12		85 x 85 x 51	5
DIN RAIL KIT 308/108	10060362	-			1

Junction boxes, COMBI 607



COMBI 607



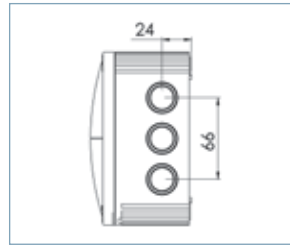
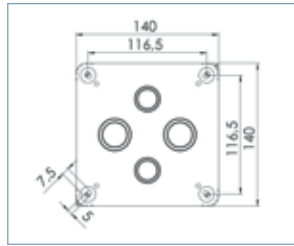
Protection class: IP 66 / 67
Glow wire test: 750 °C
Temperature range: -30 °C · 100 °C
Installation temperature: -5 °C · 60 °C
Voltage: 690 V
Terminals/poles: 6 mm²
Advice: Colour: RAL 7035 · .../S = RAL 9005 · .../W = RAL 9001
Material: Polypropylene, Gasket: TPE

Type	WISKA-No.	 (mm)		LxBxH external (mm)	
COMBI 607/empty	10060531	3 · 17		110 x 110 x 66	3
COMBI 607/empty/S	10060648	3 · 17		110 x 110 x 66	3
COMBI 607/empty/W	10060533	3 · 17		110 x 110 x 66	3
COMBI 607/5	10060532	3 · 17		110 x 110 x 66	3
COMBI 607/5/S	10060538	3 · 17		110 x 110 x 66	3
COMBI 607/5/W	10060534	3 · 17		110 x 110 x 66	3
DIN RAIL KIT 607	10060361	-			1

Junction boxes, COMBI 1010



COMBI 1010



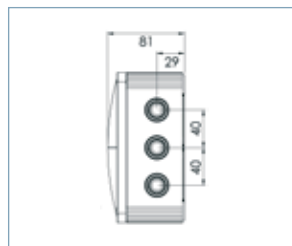
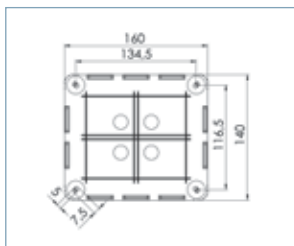
Protection class:	IP 66 / 67
Glow wire test:	750 °C
Temperature range:	-30 °C - 100 °C
Installation temperature:	-5 °C - 60 °C
Voltage:	690 V
Terminals/poles:	10 mm ²
Advice:	10 knockouts 5x M 25/32, 2x M 20, 3x M 20/25, Colour: RAL 7035 - .../S = RAL 9005 - .../W = RAL 9001
Material:	Polypropylene, Gasket: TPE

Type	WISKA-No.		LxBxH external (mm)	
COMBI 1010/empty	10060702		140 x 140 x 82	2
COMBI 1010/empty/S	10062214		140 x 140 x 82	2
COMBI 1010/empty/W	10062210		140 x 140 x 82	2
COMBI 1010/5	10060703		140 x 140 x 82	2
COMBI 1010/5/S	10062215		140 x 140 x 82	2
COMBI 1010/5/W	10062211		140 x 140 x 82	2
DIN RAIL KIT 1010	10060363			1

Junction boxes, COMBI 1210



COMBI 1210



Protection class:	IP 66 / 67
Glow wire test:	750 °C
Temperature range:	-30 °C - 100 °C
Installation temperature:	-5 °C - 60 °C
Voltage:	690 V
Terminals/poles:	10 mm ²
Advice:	10 entries M 20 with soft membrane and threaded and M 25 knockout opening, Colour: RAL 7035 - .../S = RAL 9005 - .../W = RAL 9001
Material:	Polypropylene, Gasket: TPE

Type	WISKA-No.	 (mm)		LxBxH external (mm)	
COMBI 1210/empty	10101459	3 · 12		160 x 140 x 81	2
COMBI 1210/empty/S	10101460	3 · 12		160 x 140 x 81	2
COMBI 1210/empty/W	10101461	3 · 12		160 x 140 x 81	2
COMBI 1210/5	10101462	3 · 12		160 x 140 x 81	2
COMBI 1210/5/S	10101463	3 · 12		160 x 140 x 81	2
COMBI 1210/5/W	10101464	3 · 12		160 x 140 x 81	2
DIN RAIL KIT 1210	10101478	-			1

POLYAMIDE

POLYAMIDE
ACCESSORIES

MEMBRANE

BRASS

BRASS
ACCESSORIES

MARITIME

STAINLESS
STEEL

EMC

EX E / I

EX D

VENTING

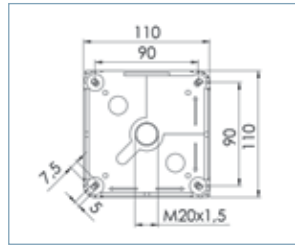
BS 6121

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Junction boxes, COMBI INDUSTRY 607



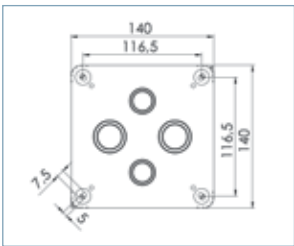
COMBI 607 INDUSTRY



Protection class:	IP 66 / 67
Glow wire test:	750 °C
Temperature range:	-30 °C - 100 °C
Installation temperature:	-5 °C - 60 °C
Voltage:	690 V
Terminals/poles:	6 mm ²
Material:	Polypropylene, Gasket: TPE

Type	WISKA-No. RAL 7035	 (mm)		LxBxH external (mm)	
COMBI IND 607/empty	10060537	3 - 17		110 x 110 x 57	3
COMBI IND 607/5	10060519	3 - 17		110 x 110 x 57	3

Junction boxes, COMBI INDUSTRY 1010



COMBI INDUSTRY 1010



- Protection class: IP 66 / 67
- Glow wire test: 750 °C
- Temperature range: -30 °C - 100 °C
- Installation temperature: -5 °C - 60 °C
- Voltage: 690 V
- Terminals/poles: 10 mm²
- Advice: 10 knockouts 5x M 25/32, 2x M 20, 3x M 20/25
- Material: Polypropylene, Gasket: TPE

Type	WISKA-No. RAL 7035		LxBxH external (mm)	
COMBI IND 1010/empty	10060704		140 x 140 x 72	2
COMBI IND 1010/5	10060705		140 x 140 x 72	2

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Junction boxes with fluid sealing technique, COMBI IP68 SET



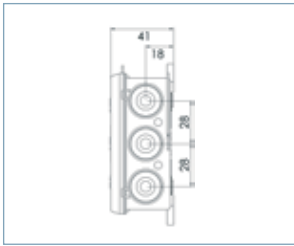
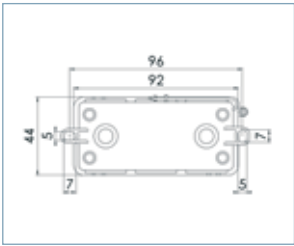
COMBI IP 68 SET



Glow wire test: 750 °C
Temperature range: -30 °C · 100 °C
Filling: Silicone
Material: Polypropylene, Gasket: TPE

Type	WISKA-No. RAL 7035	 (mm)		LxBxH external (mm)	
COMBI IP68 SET 308	10060457	3 · 12		85 x 85 x 51	1
COMBI IP68 SET 308/5	10066634	3 · 12		85 x 85 x 51	1
COMBI IP68 SET 607	10061185	3 · 17		110 x 110 x 66	1
COMBI IP68 SET 607/5	10066635	3 · 17		110 x 110 x 66	1
COMBI IP68 SET 1010	10061488	6 · 21		140 x 140 x 82	1
COMBI IP68 SET 1010/5	10066636	6 · 21		140 x 140 x 82	1

Junction boxes, KA 6



KA 6



Protection class: IP 54
Temperature range: -30 °C - 60 °C
Installation temperature: -5 °C - 60 °C
Voltage: 400 V
Terminals/poles: 1,5 mm²
Advice: Colour: RAL 7035 -.../W = RAL 9001
Material: Polyethylene / Polypropylene

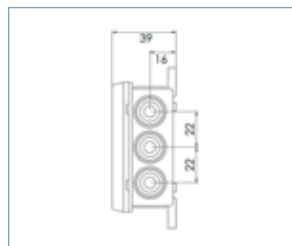
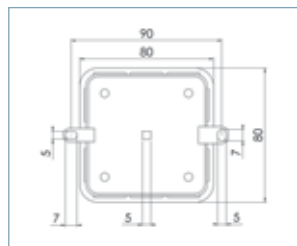
Type	WISKA-No.	 (mm)		LxBxH external (mm)	
KA 6/empty	10060818	8 - 13		92 x 44 x 41	10
KA 6/empty/W	10060819	8 - 13		92 x 44 x 41	10
KA 6/5	10060861	8 - 13		92 x 44 x 41	10

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BRASS ACCESSORIES
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Junction boxes, KA 12



KA 12

**Protection class:**

IP 54

Temperature range:

-30 °C - 60 °C

Installation temperature:

-5 °C - 60 °C

Voltage:

400 V

Terminals/poles:2,5 mm²**Advice:**

Colour: RAL 7035 -.../W = RAL 9001 -.../R = RAL 3000

Material:

Polyethylene / Polypropylene

Type	WISKA-No.	 (mm)		LxBxH external (mm)	
KA 12/empty	10060822	7 · 13		80 x 80 x 39	10
KA 12/empty/W	10060490	7 · 13		80 x 80 x 39	10
KA 12/empty/R	10060825	7 · 13		80 x 80 x 39	10
KA 12/5	10060821	7 · 13		80 x 80 x 39	10
KA 12/5/R	10060824	7 · 13		80 x 80 x 39	10

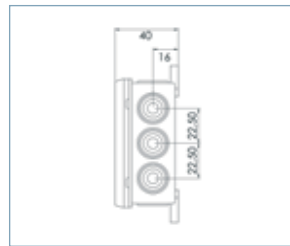
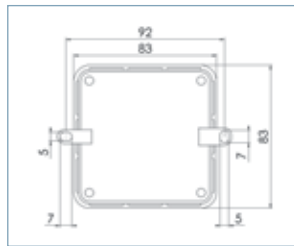
Junction boxes, KA 14



KA 14



Protection class: IP 54
Temperature range: -30 °C - 60 °C
Installation temperature: -5 °C - 60 °C
Voltage: 400 V
Terminals/poles: 2,5 mm²
Material: Polyethylene / Polypropylene



Type	WISKA-No. RAL 7035	 (mm)		LxBxH external (mm)	
KA 14/empty	10060550	7 · 13		83 x 83 x 40	10
KA 14/5	10060551	7 · 13		83 x 83 x 40	10

POLYAMIDE

POLYAMIDE
ACCESSORIES

MEMBRANE

BRASS

BRASS
ACCESSORIES

MARITIME

STAINLESS
STEEL

EMC

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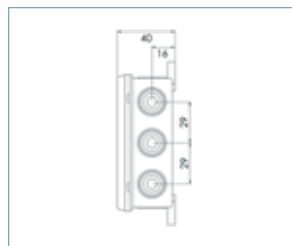
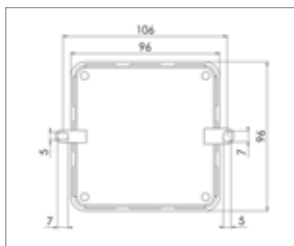
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Junction boxes, KA 16



KA 16



Protection class:	IP 54
Temperature range:	-30 °C - 60 °C
Installation temperature:	-5 °C - 60 °C
Voltage:	400 V
Terminals/poles:	4 mm ²
Material:	Polyethylene / Polypropylene

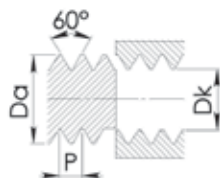
Type	WISKA-No. RAL 7035	 (mm)		LxBxH external (mm)	
KA 16/empty	10060554	7 · 13		96 x 96 x 40	10
KA 16/5	10060555	7 · 13		96 x 96 x 40	10

Technical data

Dimensions of thread and drilled holes

Metric thread

ISO 965 (DIN 13)

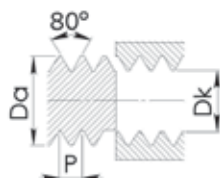


				
M6x0,75 ¹⁾	6,00	0,75	5,10	6,1 - 6,5
M6x1	6,00	1,00	4,90	6,1 - 6,5
M8x1 ¹⁾	8,00	1,00	6,90	8,1 - 8,5
M8x1,25	8,00	1,25	6,60	8,1 - 8,5
M10x1 ¹⁾	10,00	1,00	8,90	10,1 - 10,5
M12x1,5 ¹⁾	12,00	1,50	10,30	12,1 - 12,5
M16x1,5 ¹⁾²⁾	16,00	1,50	14,30	16,1 - 16,5
M18x1,5 ²⁾	18,00	1,50	16,30	18,1 - 18,5
M20x1,5 ¹⁾	20,00	1,50	18,30	20,1 - 20,5
M24x1,5 ²⁾	24,00	1,50	22,30	24,1 - 24,5
M25x1,5 ¹⁾	25,00	1,50	23,30	25,1 - 25,5
M30x2 ²⁾	30,00	2,00	27,80	30,1 - 30,5
M32x1,5 ¹⁾	32,00	1,50	30,30	32,1 - 32,5
M36x2 ²⁾	36,00	2,00	33,80	36,1 - 36,5
M40x1,5 ¹⁾	40,00	1,50	38,30	40,1 - 40,5
M45x2 ²⁾	45,00	2,00	42,80	45,1 - 45,5
M50x1,5 ¹⁾	50,00	1,50	48,30	50,1 - 50,5
M56x2 ²⁾	56,00	2,00	53,80	56,1 - 56,5
M63x1,5 ¹⁾	63,00	1,50	61,30	63,1 - 63,5
M72x2 ²⁾	72,00	2,00	69,80	72,1 - 72,5
M75x1,5 ¹⁾	75,00	1,50	73,30	75,1 - 75,5
M80x2	80,00	2,00	77,80	80,1 - 80,5
M105x2	105,00	2,00	102,80	105,1 - 105,5

1) metric thread acc. to EN 60423 2) metric thread acc. to DIN 89280

Steel conduit thread

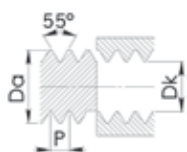
DIN 40430



				
Pg 7	12,50	1,270	11,20	12,6 - 13,0
Pg 9	15,20	1,410	13,80	15,3 - 15,7
Pg11	18,60	1,410	17,20	18,7 - 19,1
Pg13,5	20,40	1,410	19,00	20,5 - 20,9
Pg16	22,50	1,410	21,10	22,6 - 23,0
Pg21	28,30	1,588	26,70	28,4 - 28,8
Pg29	37,00	1,588	35,40	37,1 - 37,5
Pg36	47,00	1,588	45,40	47,1 - 47,5
Pg42	54,00	1,588	42,40	54,1 - 54,5
Pg48	59,30	1,588	57,70	59,4 - 59,8

Pipe thread

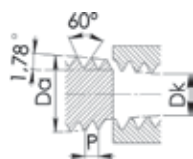
ISO 228/1



				
G1/4	13,157	1,337	11,40	13,2 - 13,6
G3/8	16,662	1,337	14,90	16,7 - 17,1
G1/2	20,955	1,814	18,60	21,0 - 21,4
G3/4	26,441	1,814	24,10	26,5 - 26,9
G1	33,249	2,309	30,20	33,3 - 33,7
G1 1/4	41,910	2,309	38,90	42,0 - 42,4
G1 1/2	47,803	2,309	44,80	47,9 - 48,3
G2	59,614	2,309	56,60	59,7 - 60,1

National standard pipe thread

ANSI / ASME B1.20.1



NPT1/4	13,716	1,411	11,10	..
NPT3/8	17,145	1,411	14,50	..
NPT1/2	21,336	1,814	17,90	..
NPT3/4	26,670	1,814	23,20	..
NPT1	33,401	2,209	29,20	..
NPT1 1/4	42,164	2,209	37,90	..
NPT1 1/2	48,260	2,209	43,90	..
NPT2	60,325	2,209	55,90	..

Impact resistance

Degrees of protection acc. to EN 50102 / VDE 0470 P100

Standard EN 50102 / VDE 0470 P100 "Degrees of protection against external mechanical loading provided by enclosures for electrical apparatus (equipment) - IK-Code" describes a way of classifying the degrees of protection which enclosures of electrical apparatus afford against external mechanical or stress, called IK-Code system.

These IK-Codes are used as follows to categorise stress energy:

IK-Code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Stress energy in Joule	*)	0,15	0,2	0,35	0,5	0,7	1	2	5	10	20

*) not protected in conformity with the present Standard

Degrees of Protection to EN 60529 / DIN VDE 0470 Part 1

The following chart is a compilation from EN 60529 /DIN VDE 0470 Part 1, using the terminology of the standard.

First characteristic numeral		Second characteristic numeral: Degree of protection against water								
		0	1	2	3	4	5	6	7	8
Protection against access to hazardous parts (shock protection)	Protection against solid foreign bodies (foreign bodies)	Unprotected	Protected against dripping water	Protected against dripping water when the enclosure is up to 15° inclined	Protected against spray-water up to an angle of 60°C	Protected against spray-water from any direction	Protected against jet/hosewater from any direction	Protected against strong jetwater from any direction	Protected against the effects of temporary submersion	Protected against the effects of continuous submersion
0	Unprotected	Unprotected	IP 00							
1	Protected against access to hazardous parts by the back of the hand	Protected against solid foreign bodies > 50 mm in diam.	IP 10	IP 11	IP 12					
2	Protected against access to hazardous parts by a finger-touch	Protected against solid foreign bodies > 12.5 mm in diam.	IP 20	IP 21	IP 22	IP 23				
3	Protected against access to hazardous using a tool > 2.5 mm in diam.	Protected against solid foreign bodies > 2.5 mm in diam.	IP 30	IP 31	IP 32	IP 33	IP 34			
4	Protected against access to hazardous parts using a wire > 1 mm in diam.	Protected against solid foreign bodies > 1 mm in diam.	IP 40	IP 41	IP 42	IP 43	IP 44			
5	Protected against access to hazardous parts using a wire > 1 mm in diam.	dust-protected	IP 50			IP 54	IP 55	IP 56		
6	Protected against access to hazardous parts using a wire > 1 mm in diam.	dust-tight	IP 60				IP 65	IP 66	IP 67	IP 68

Definitionen (to EN 60529/DIN VDE 0470 Part 1)

IP-Code: The IP code is an identification system used to indicate the degree of protection an enclosure provides against access to hazardous parts, ingress of solid foreign bodies and ingress of water.

First characteristic numeral: The first characteristic numeral indicates that the enclosure provides persons with protection against access to hazardous parts by preventing or restricting the ingress of a part of the human body or of an object held by a person; and simultaneously that the enclosure provides the equipment with protection against the ingress of solid foreign bodies.

Second characteristic numeral: The second characteristic numeral indicates the degree of protection the enclosure provides against harmful influences on the equipment as a result of the ingress of water.

Protection types according to DIN 40050 T.9

First index: 6 = Protection against wire contact. A wire with Ø 1.0 mm and 100 mm length may fully penetrate, but must maintain sufficient distance from hazardous components.

First index and letter suffix: 6K = Protection against penetration of dust. Dust must not penetrate.

Second index and letter suffix: 9K = Protection against water penetration during high pressure / steam jet cleaning. Water directed at the housing at high pressure (80 to 100 bar) and from any direction must not have any damaging effects. The water temperature in this case is 80 °C.

Properties of plastic employed (Selection)

Material designation	Polyamide	Polyamide, reinforced glass fibre	Polypropylene	Polypropylene reinforced glass fibre	Polyethylen, low density	Polyethylen, high density	Polystyrene
Material shortmark	PA	PA-GF	PP	PP-GF	PE/LD	PE/HD	PS
Chemical resistance¹⁾							
Alcohol	A	A	A	A	A	A	A
Benzine	A	A	B	B	B	A	C
Diesel oil	A	A	A	A	B	B	C
Mineral oil	A	A	A	A	B	A	B
Animal and veget. greases	B	B	A	A	A	A	B
Weak alkaline solution	A	A	A	A	A	A	A
Strong alkaline solution	A	A	A	A	A	A	A
Weak acids	A	A	A	A	A	A	A
Strong acids	B	B	B	B	B	A	B
Water	A	A	A	A	A	A	A
Susceptibility to stress cracking	low	low	low	low	low	low	relatively high ⁴⁾
halogen free	✓	✓	✓	✓	✓ ²⁾	✓	✓ ²⁾
phosphate free	✓	✓	✓	✓	✓	✓	✓
silicone free	✓	✓	✓	✓	✓	✓	✓
Temperature range							
minimal ³⁾	-40 °C	-40 °C	-30 °C	-30 °C	-40 °C	-40 °C	-25 °C
max. continually	100 °C	100 °C	80 °C	100 °C	80 °C	80 °C	60 °C
max. intermittent	120 °C	150 °C	100 °C	120 °C	100 °C	100 °C	80 °C
Combustibility⁵⁾							
UL 94 V-2	UL 94 V-2	UL 94 HB	UL 94 HB	UL 94 HB	UL 94 HB	UL 94 HB	UL 94 HB
Thermal value (Hu) [kJ/kg]	32.000	32.000	46.000	46.000	46.000	46.000	42.000

Properties of elastomeric materials employed (Selection)

Material designation	Thermoplastic Elastomer	Ethylene-Propylene-Diene-Caoutchouc	Acrylonitrile-Butadiene-Caoutchouc	Flourine-Caoutchouc	Chloropren-Caoutchouc
Material shortmark	TPE	EPDM	NBR	FPM	CR
Trade mark	Bergaflex, Evoprene, Santoprene	Buna AP, Keltan	Perbunan	Viton	Neoprene
Chemical resistance¹⁾					
Alcohol	A	A	A	A	A
Benzine	B	C	A	A	C
Diesel oil	B	C	A	A	C
Mineral oil	B	B	A	A	B
Animal and veget. greases	A	B	A	A	B
Weak alkaline solution	A	A	B	B	A
Strong alkaline solution	B	A	C	C	B
Weak acids	A	A	B	A	B
Strong acids	A	A	C	A	C
Water	A	A	C	A	C
Susceptibility to stress cracking	A	A	C	A	C
halogen free	✓	✓	✓	-	-
phosphate free	✓	✓	✓	✓	✓
silicone free	✓	✓	✓	✓	✓
Temperature range					
minimal ³⁾	-30 °C	-40 °C	-30 °C	-20 °C	-40 °C
max. continually	80 °C	130 °C	120 °C	200 °C	100 °C
max. intermittent	120 °C	170 °C	150 °C	280 °C	120 °C
Combustibility⁵⁾					
UL 94 HB	UL 94 HB	UL 94 HB	UL 94 HB	UL 94 V-2	UL 94 V-2

Properties of metals employed (Selection)

Material designation	Nickel-plated brass	Stainless steel	Stainless steel
Materialgruppe	Copper-Zinc alloy Surface: nickel-plated	Rustproof steel	Rustproof- and acidresistant steel
Materialtype	Ms58	A2	A4
Materialnumber	2.0401	1.4305 / AISI 303	1.4404 / AISI 316 L
Chemical resistance ¹⁾	Brass nickel-plated is resistant under normal dry atmosphere, against fresh water, water vapor, mineral oils, fuels, cool- and cutting solutions. It is partly resistant under sea and industrial atmosphere, against neutral and alkaline salt solutions as well as organic compounds. Brass will be attacked by acids, halogens, chloride and chloridous solutions (sea water, brackish water), atmospheres with high humidity and increased temperatures. Chloric atmospheres and damp ammonia gas can cause stress corrosion. Steel A2 is resistant under normal atmosphere for interior and outside applications, against diluted organic and oxidizing acids, caustic solutions, neutral and alkaline salt solutions as well as organic compounds. Steel A2 will be attacked by inorganic acids, halogens, chloride and chloridous solutions (e.g. sea water) or atmospheres (hole and stress corrosion). Steel A4 is well resistant under normal atmosphere for interior and outside applications, against organic and oxidizing acids, caustic solutions, neutral and alkaline salt solutions as well as organic compounds. Steel A4 will be attacked by hydrochloric acid, halogens, chloride and chloridous solutions (e.g. sea water) or atmospheres (hole and stress corrosion).		
Permanent temperature range	-40 °C - 200 °C	-40 °C - 400 °C	-40 °C - 400 °C

The given data are subject to indications of the raw materials suppliers, therefore no guarantee can be given by us.

- The following details should be regarded as guidelines only:
A = very good chemical resistance,
B = good to limited chemical resistance,
C = low chemical resistance.
- The basic material is halogene-free. The flame-retardant of flame-proof products contains small shares of halogene (up to 5 %).
- Minus values in temperature range apply only to parts in idle state without impact stress.
- The use of products made of polystyrene in the open may cause stress cracking.
- The grading applies to standard materials. Flame-proof materials partially have higher gradings.

Classification acc. EN 50262

"The manufacturer ... (of cable glands) shall provide ... all information necessary for the proper use and safe installation, ..." EN 50262, paragraph 7.3

The table contains the informations for the cable gland type ESKV. The informations are tested and certified from the VDE Testing and Certification Institute. Mark licence: VDE 40006479

	ESKV12	ESKV16	ESKV20	ESKV25	ESKV32	ESKV40	ESKV50	ESKV63
Clamping range = sealing range [mm]	3 · 7	4,5 · 10	6 · 13	9 · 17	13 · 21	16 · 28	21 · 35	34 · 48
Type of cable anchorage	A	A	A	A	A	A	A	A
Installation torques - fitting [Nm]	2	3,5	4	10	15	20	30	30
Installation torques - cap nut [Nm]	2	1,5	3	4	4	20	30	30
Impact category	2	2	2	4	4	4	5	5

EN 50262 – what does it mean?

EN Standard 50262 was accepted on April, 1st. 1998 and published in Germany in April 1999 under the title DIN EN 50262 / VDE 0619. The formerly recognised standards for cable glands, for instance DIN VDE 0619 (VDE 0619):1987-09, DIN 46319:1989-12, DIN 46320-1:1985-09 and DIN 46320-2.....4: 1973-01 etc. could only still be used up to 31 December 1999. Marks licences granted on the basis of these standards were valid up to 01.03.2001. For another two years - up to 28.03.2003 sales was permitted for stock products.

- Field of application of EN 50262: This European standard contains requirements and tests for the design and manufacture of metric cable glands. The standard covers complete cable glands from (,....,) but not parts of cable glands.

- The internal threads of cable glands must be designed as specified in Table 1 of EN 60423. These thread sizes are as follows: M 6x0.75; M 8x1; M 10x1; M 12x1.5; M 16x1.5; M 20x1.5; M 25x1.5; M 32x1.5; M 40x1.5; M 50x1.5; M 63x1.5 and M 75x1.5.
- Mounting holes must be in the sizes specified in Table 1

Table 1: Mounting holes for cable glands

Size	12	16	20	25	32	40	50	63
Thread size	M 12	M 16	M 20	M 25	M 32	M 40	M 50	M 63
Diameter of mounting hole +0,2 mm	12,0	16,0	20,0	25,0	32,0	40,0	50,0	63,0

- Cable glands must provide restraining capacity for cables and leads over the entire sealing region. Cable glands with strain relief for cables and leads must relieve the conductors of stress, including torsion. The standard's tests are in each case conducted on the smallest and largest specified size of the sealing or strainrelief region, at the associated forces and torques specified in Table 2. These tests are conducted with test mandrels simulating the outer diameter of cables and leads. The test mandrels comprise metal rods having an elastomer sheath.

Table 2: Tensile forces for restraining capacity and strain relief, torques for torsion test

Cable and lead diameter [mm]	Restraining capacity [N]	Strain relief Type A [N]	Strain relief Type B [N]	Torque Types A & B [Nm]
up to 4	5	-	-	-
> 4 to 8	10	30	75	0,10
> 8 to 11	15	42	120	0,15
>11 to 16	20	55	130	0,35
>16 to 23	25	70	140	0,60
>23 to 31	30	80	250	0,80
>31 to 43	45	90	350	0,90
>43 to 55	55	100	400	1,00
>55	70	115	450	1,20

- Cable glands must be resistant to impact. A test mandrel corresponding to the smallest size of the sealing region is fixed in the unit under test, and the test is then conducted at the lowest temperature, applying the degree of energy specified for the respective category in Table 3.

Table 3: Impact values

Category	1	2	3	4	5	6	7	8
Force [N]	2	2	2	2	10	10	10	20
Weight [kg]	0,2	0,2	0,2	0,2	1,0	1,0	1,0	2,0
Energy [J]	0,2	0,5	1,0	2,0	4,0	7,0	10,0	20,0
Height [m]	0,1	0,25	0,5	1,0	0,4	0,7	1,0	1,0

All of these figures, tables and values are extracted from DIN EN 50262. This standard obviously describes other tests as well (electrical properties, IP code, etc.), required for the classification and identification of cable glands. However, it would be beyond the scope of the present catalogue to itemise all of them. Please contact us if you have any queries.

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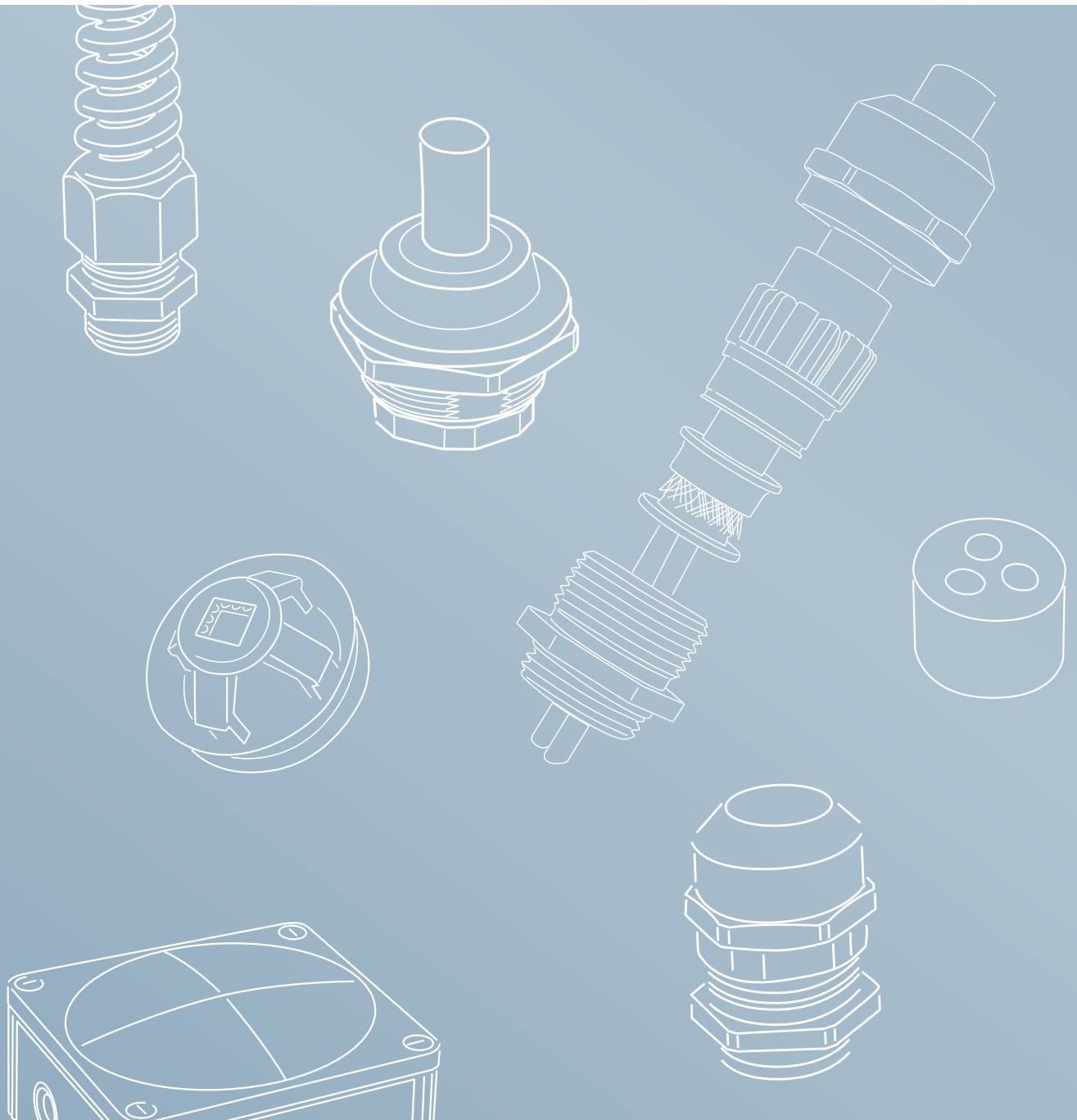
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WISKA Hoppmann & Mulsow GmbH

Kisdorfer Weg 28
24568 Kaltenkirchen
Germany

 +49-4191-508-0
 +49-4191-508-129

contact@wiska.com
www.wiska.com

