



Type VW 90° (plastic thread)



Product information

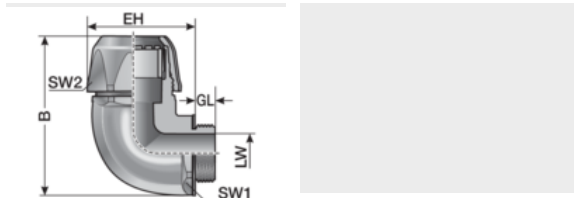
The VW 90° conduit fittings are made of specially modified polyamide 6 and thermoplastic elastomer. The materials are halogen, phosphor and cadmium-free. The VW 90° conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled
- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength.
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3
- NFPA 130: ASTM E 162, ASTM E 662
- ECE 324 R 118 Annex 6+8

Information, conformities and approvals



Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	EH mm	GL mm	LW mm	B mm	SW 1 / 2 mm	PU pcs.
VW 90 M12-K 1)	83515052	Black	✓	M12x1,5	M12/P09	29	12	7.2	45	21 / 21	50
VW 90 M16-K 1)	83515054	Black	✓	M16x1,5	M16/P11	35	12	10.5	55	27 / 27	50
VW 90 M20-K 1)	83515056	Black	✓	M20x1,5	M20/P16	45	13	14.7	67	34 / 34	50
VW 90 M25-K 1)	83515058	Black	✓	M25x1,5	M25/P21	55	13	18.7	78	41 / 41	25
VW 90 M32-K 1)	83515060	Black	✓	M32x1,5	M32/P29	65	15	25.5	92	50 / 50	25
VW 90 M40-K 2)	83515062	Black	✓	M40x1,5	M40/P36	75	17	33	109	60 / 60	25
VW 90 M50-K 1) 1**)	83515064	Black	✓	M50x1,5	M50/P48	93	17	42	134	75 / 75	10
VW 90 M12-K 1)	83515012	Gray	✗	M12x1,5	M12/P09	29	12	7.2	45	21 / 21	50
VW 90 M16-K 1)	83515014	Gray	✗	M16x1,5	M16/P11	35	12	10.5	55	27 / 27	50
VW 90 M20-K 1) 1**)	83515016	Gray	✗	M20x1,5	M20/P16	45	13	14.7	67	34 / 34	50
VW 90 M25-K 1)	83515018	Gray	✗	M25x1,5	M25/P21	55	13	18.7	78	41 / 41	25
VW 90 M32-K 1)	83515020	Gray	✗	M32x1,5	M32/P29	65	15	25.5	92	50 / 50	25
VW 90 M40-K 2)	83515022	Gray	✗	M40x1,5	M40/P36	75	17	33	109	60 / 60	25



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VW 90 M50-K 1) 1)**	83515024	Gray	✗	M50x1,5	M50/P48	93	17	42	134	75 / 75	10
VW 90 P09-K 1)	83515452	Black	✓	PG 09	M12/P09	29	12	7.2	45	21 / 21	50
VW 90 P11-K 1)	83515454	Black	✓	PG 11	M16/P11	35	12	10.5	55	27 / 27	50
VW 90 P16-K 1)	83515456	Black	✓	PG 16	M20/P16	45	13	14.7	67	34 / 34	50
VW 90 P21-K 1)	83515458	Black	✓	PG 21	M25/P21	44	13	18.7	78	41 / 41	25
VW 90 P29-K 1)	83515460	Black	✓	PG 29	M32/P29	65	14	25.5	92	50 / 50	25
VW 90 P36-K 2)	83515462	Black	✓	PG 36	M40/P36	75	17	33	109	60 / 60	25
VW 90 P48-K 1) 1)**	83515464	Black	✓	PG 48	M50/P48	93	17	42	134	75 / 75	10
VW 90 P09-K 1)	83515412	Gray	✗	PG 09	M12/P09	29	12	7.2	45	21 / 21	50
VW 90 P11-K 1)	83515414	Gray	✗	PG 11	M16/P11	35	12	10.5	55	27 / 27	50
VW 90 P16-K 1)	83515416	Gray	✗	PG 16	M20/P16	45	13	14.7	67	34 / 34	50
VW 90 P21-K 1)	83515418	Gray	✗	PG 21	M25/P21	44	13	18.7	78	41 / 41	25
VW 90 P29-K 1)	83515420	Gray	✗	PG 29	M32/P29	65	14	25.5	92	50 / 50	25
VW 90 P36-K 2) 1)**	83515422	Gray	✗	PG 36	M40/P36	75	17	33	109	60 / 60	25
VW 90 P48-K 1) 1)**	83515424	Gray	✗	PG 48	M50/P48	93	17	42	134	60 / 60	10
VW 90 N 3/8"-K 1)	83515850	Black	✓	3/8"	M16/P11	35	12	10.5	55	25 / 25	50
VW 90 N 1/2"-K 1)	83515852	Black	✓	1/2"	M20/P16	45	13	14.6	67	34 / 34	50
VW 90 N 3/4"-K 1)	83515854	Black	✓	3/4"	M25/P21	55	14	18.7	78	41 / 41	25
VW 90 N 1"-K 1)	83515856	Black	✓	1"	M32/P29	65	14	25.6	92	50 / 50	25
VW 90 N 1 1/4 -K 2)	83515858	Black	✓	1 1/4"	M40/P36	75	18	33	109	60 / 60	25
VW 90 N 2"-K 1)	83515860	Black	✓	2"	M50/P48	93	18	42	134	75 / 75	10
VW 90 N 1/2"-K 1) 1)**	83515812	Gray	✗	1/2"	M20/P16	45	13	14.6	67	34 / 34	50
VW 90 N 3/4"-K 1)	83515814	Gray	✗	3/4"	M25/P21	55	14	18.7	78	41 / 41	25
VW 90 N 1"-K 1)	83515816	Gray	✗	1"	M32/P29	65	14	25.6	92	50 / 50	25
VW 90 N 1 1/4 -K 2)	83515818	Gray	✗	1 1/4"	M40/P36	75	18	33	109	60 / 60	25



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1) With cURus- approval 2) With CSA- and cURus- approval											

1**) No stock goods, delivery time and minimum order quantities upon request

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Material properties



Fitting: mod. polyamide PA 6
 Connecting thread mod. polyamide PA 6 mod. polyamide PA 6
 mod. polyamide PA 6

Thermal properties



Temperature / temperature range
 -40 °C - 110 °C / short term: 140 °C

Protection class



Protection class
 IP68 up to 6 bar

Fire properties



Fire classification
 acc. to UL94: V0 self-extinguishing



Fire properties as per EN 45545-2
 C.I.T. R22 / R23 HL3 :0,58 NF X 70-100-1/-2 600°C (1112 °F)
 LOI R22 / R23 HL3 :≥ 32 % ISO 4589-2
 Ds (max.) R22 / R23 HL3 :57 ISO 5659-2 (25 KW/m²)



Fire properties as per NFPA
 ASTM E 162
 ASTM E 1354
 ASTM E 662
 Boeing BSS 7239
 Boeing BSS 7242
 Bombardier SMP 800-C



Smoke emission class
 SR2 DIN 54837 / 5510-2



Flammability classification
 S4 DIN 5510-2



Type VW 90° (plastic thread)

Chemical resistances



Resistant to:

Alcohol
Greases
Fuels
Mineral oils

Technical information



Halogen-free

Conformity



RoHS (EC Directive 2011/65/EU)



ECE 324 R 118

Approvals and operating permits



EU railway approval



CSA approval



cURus approval

Classification

ETIM 9: EC001176
ECLASS 14: 27430312

General information



Made in Germany