



Type VW 45° (plastic thread)



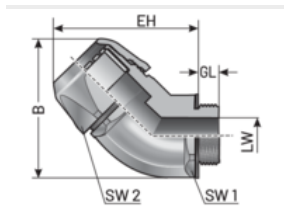
Product information

The VW 45° conduit fittings are made of specially modified polyamide 6 and thermoplastic elastomer. The materials are halogen, phosphor and cadmium-free. The VW 45° 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 without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3
- NFPA 130: ASTM E 162, ASTM E 662



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 45 M12-K 1)	83513052	Black	✓	M12x1,5	M12/P09	38	12	7.2	36	21 / 21	50
VW 45 M16-K 1)	83513054	Black	✓	M16x1,5	M16/P11	45	12	10.5	43	27 / 27	50
VW 45 M20-K 1)	83513056	Black	✓	M20x1,5	M20/P16	56	13	14.6	52	34 / 34	50
VW 45 M25-K 1)	83513058	Black	✓	M25x1,5	M25/P21	65	13	18.7	65	41 / 41	25
VW 45 M32-K 1)	83513060	Black	✓	M32x1,5	M32/P29	77	14	25.5	79	50 / 50	25
VW 45 M40-K 2)	83513062	Black	✓	M40x1,5	M40/P36	90	17	33	95	60 / 60	25
VW 45 M50-K 1)	83513064	Black	✓	M50x1,5	M50/P48	105	17	42	115	75 / 75	10
VW 45 M20-K 1)	83513016	Gray	✗	M20x1,5	M20/P16	56	13	14.6	52	34 / 34	50
VW 45 M32-K 1)	83513020	Gray	✗	M32x1,5	M32/P29	77	14	25.5	79	50 / 50	25
VW 45 M40-K 2)	83513022	Gray	✗	M40x1,5	M40/P36	90	17	33	95	60 / 60	25
VW 45 P11-K 1)	83513454	Black	✓	PG 11	M16/P11	45	12	10.5	43	27 / 27	50
VW 45 P21-K 1)	83513458	Black	✓	PG 21	M25/P21	65	13	18.7	65	41 / 41	25
VW 45 P29-K 1)	83513460	Black	✓	PG 29	M32/P29	77	14	25.5	79	50 / 50	25



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VW 45 P09-K 1) 1)**	83513412	Gray	✗	PG 09	M12/P09	38	12	7.2	36	21 / 21	50
VW 45 P11-K 1) 1)**	83513414	Gray	✗	PG 11	M16/P11	45	12	10.5	43	27 / 27	50
VW 45 P16-K 1)	83513416	Gray	✗	PG 16	M20/P16	56	13	14.6	52	34 / 34	50
VW 45 P36-K 2) 1)**	83513422	Gray	✗	PG 36	M40/P36	90	17	33	95	60 / 60	25
VW 45 P48-K 1) 1)**	83513424	Gray	✗	PG 48	M50/P48	105	17	42	115	75 / 75	10
VW 45 NPT 1/2"-K 1)	83513852	Black	✓	1/2"	M20/P16	56	13	14.6	52	33 / 33	50
VW 45 NPT 3/4"-K 1)	83513854	Black	✓	3/4"	M25/P21	65	13	18.7	65	41 / 41	25
VW 45 NPT 1"-K 1)	83513856	Black	✓	1"	M32/P29	77	14	25.5	79	50 / 50	25
VW 45 NPT 3/8"-K 1) 1)**	83513810	Gray	✗	3/8"	M16/P11	45	12	10.5	43	25 / 25	50
VW 45 NPT 1"-K 1) 1)**	83513816	Gray	✗	1"	M32/P29	77	14	25.5	79	50 / 50	25
VW 45 NPT 1/4"-K 2) 1)**	83513818	Gray	✗	1 1/4"	M40/P36	90	17	33	95	60 / 60	25
VW 45 NPT 2"-K 1) 1)**	83513820	Gray	✗	2"	M50/P48	105	17	42	115	75 / 75	10

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



Type VW 45° (plastic thread)

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

Chemical resistances



Resistant to:
Alcohol
Greases
Fuels
Mineral oils

Technical information



Halogen-free

Conformity



RoHS (EC Directive 2011/65/EU)

Approvals and operating permits



EU railway approval



Type VW 45° (plastic thread)

Approvals and operating permits



CSA approval



cURus approval

Classification

ETIM 9: EC001176
ECLASS 14: 27430312
UNSPSC 26.0801: 40183103

General information



Made in Germany