

CABLE PROTECTION SYSTEMS



CONDUITS & FITTINGS



Reliable protection for cables

In industry, cables and wires are exposed to exceptional loads. Heat and cold, tensile and compressive loads, and wear-and-tear cause damage to cables and can result in malfunctions and loss of production. HUMMEL AG cable protection conduits provide reliable protection. Like a chameleon, the cable protection range is extremely versatile.

The Polyamide range and the galvanised steel protective tubing of the metal range offer suitable solutions for every application. A wide range of fittings makes it easy for planners and designers to find the right answer for every requirement.

Polyamide

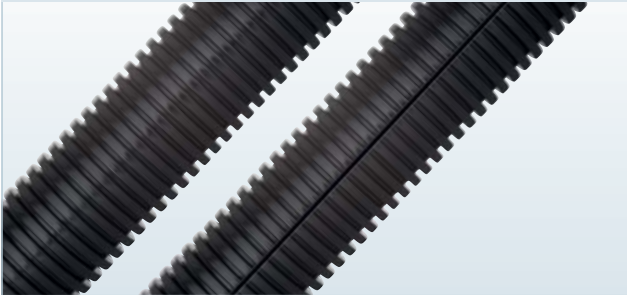
- // **Polyamide-Conduit** – the flexible polyamide cable conduit
- // **Polyamide-Fitting** – cable conduit for Polyamide-Conduit, made of galvanised steel

Metal

- // **Metal-Conduit** – multi-layer variants for heavy loads
- // **Metal-Fitting** – fittings for Metal-Conduits, designed for every type of installation
- // **Metal-Conduit Pro** – ideal for metal protective conduits
- // **Metal-Fitting Pro** – fittings for Metal-Conduit Pro, for exceptionally robust usage



Polyamide-Conduit ▶ 4



Polyamide cable conduits are characterised by their particularly high degree of flexibility. Whether in the standard or slit version, even extreme dynamic applications are no problem for Polyamide-Conduits. The large number of matching fittings and accessories provide solutions for all conceivable installation situations.

Metal-Conduit / Metal-Fitting ▶ 20



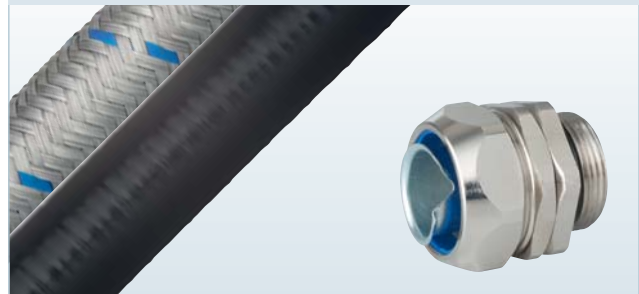
The Metal range of protective cable conduits are particularly-resistant to mechanical stresses. The conduit types made of galvanized steel are able to withstand high pressure loads. Matching metal fittings complete the range, ensuring, that the system is 100% industrial grade.

Polyamide-Fitting ▶ 6



A large selection of fittings and matching accessories round off the Polyamide-Conduit series into a well engineered concept. Thereby planers and installers are up to all assembly situations. With this professional protection improvised single solutions are things of the past.

Metal-Conduit Pro / Metal-Fitting Pro ▶ 24



Metal-Conduit Pro offers a safe protection against heat and cold, intense mechanical loads and abrasion. The conduits are designed as multi-layer variants. They are available with PVC-Coating or exterior metal braiding. Fittings of the Metal-Fitting Pro series provide a perfect match for all Metal-Conduits of Serie Pro.

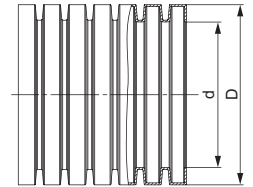
Polyamide-Conduit



Material	Polyamide
Operating Temperature	-40 °C – +120 °C (-40 °F – +248 °F)
Colours	grey (RAL 7031), black (RAL 9005)

RoHS

// raw material according to UL 94



Size DN	d mm	D mm	R mm	Number grey	Number black
6	6,5	10	15	1.510.0600.14	1.510.0601.14
10	10	13	25	1.510.0900.14	1.510.0901.14
12	12	15,8	35	1.510.1100.14	1.510.1101.14
14	14,2	18,4	35	1.510.1300.14	1.510.1301.14
17	16,5	21,2	40	1.510.1600.14	1.510.1601.14
23	23	28,4	45	1.510.2100.14	1.510.2101.14
29	29	34,5	55	1.510.2900.14	1.510.2901.14
37	36	42,5	65	1.510.3600.14	1.510.3601.14
50	48	54,5	80	1.510.4800.14	1.510.4801.14

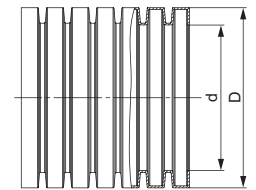
Polyamide-Conduit Slit



Material	Polyamide
Operating Temperature	-40 °C – +120 °C (-40 °F – +248 °F)
Colours	grey (RAL 7031), black (RAL 9005)


RoHS

// raw material according to UL 94



Size DN	d mm	D mm	R mm	Number grey	Number black
6	6,5	10	15	1.527.0600.00	1.527.0601.00
10	10	13	25	1.527.0900.00	1.527.0901.00
12	12	15,8	35	1.527.1100.00	1.527.1101.00
14	14,2	18,4	35	1.527.1300.00	1.527.1301.00
17	16,5	21,2	40	1.527.1600.00	1.527.1601.00
23	23	28,4	45	1.527.2100.00	1.527.2101.00
29	29	34,5	55	1.527.2900.00	1.527.2901.00
37	36	42,5	65	1.527.3600.00	1.527.3601.00
50	48	54,5	80	1.527.4800.00	1.527.4801.00

Polyamide-Cut



Material	Housing made of plastic / metal, antiskid rubber handle	
Colour	red	

// Tool for easy, exact and safe cutting of Polyamide-Conduits

Cutting range	fits to DN	Number
0 – 26 mm	0 – 17	1.503.2600.00
0 – 63 mm	0 – 50	1.503.6300.00

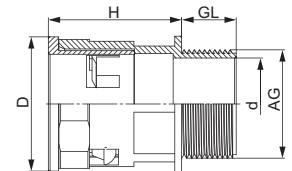
Polyamide-Fitting



Material	Polyamide
Protection category	IP 55
Operating Temperature	-30 °C – +80 °C (-22 °F – +176 °F)
Colours	grey (RAL 7031), black (RAL 9005)

RoHS

- // raw material according to UL 94
- // locknut optional
- // easy disassembly without tools



AG	d mm	D mm	GL mm	H mm	mm	fits to Polyamide- Conduit DN	Number grey	Number black
M 12	6,9	18,7	11	26	15	6	1.533.1200.50	1.533.1201.50
M 16	10,8	21,7	11	26	18	10	1.533.1600.51	1.533.1601.51
M 16	10,9	26	11	26,5	20	12	1.533.1600.50	1.533.1601.50
M 20	14,7	28	11	31	23	14	1.533.2000.51	1.533.2001.51
M 20	15,2	32	13	33	27	17	1.533.2000.50	1.533.2001.50
M 25	18,7	39,5	16	39	34	23	1.533.2500.50	1.533.2501.50
M 32	25,7	46,5	16	43	40	29	1.533.3200.50	1.533.3201.50
M 40	32,7	55,5	16	45,5	50	37	1.533.4000.50	1.533.4001.50
M 50	51,4	67,5	16	47,5	62	50	1.533.5000.50	1.533.5001.50
PG 7	6,9	18,7	11	26	15	6	1.533.0700.14	1.533.0701.14
PG 9	10,3	21,7	11	26	18	10	1.533.0900.14	1.533.0901.14
PG 11	13,3	26	11	26,5	20	12	1.533.1100.14	1.533.1101.14
PG 13,5	15,3	28	11	31	23	14	1.533.1300.14	1.533.1301.14
PG 16	16,6	32	13	33	27	17	1.533.1600.14	1.533.1601.14
PG 21	22,3	39,5	16	39	34	23	1.533.2100.14	1.533.2101.14
PG 29	31,7	46,5	16	43	40	29	1.533.2900.14	1.533.2901.14
PG 36	40,5	55,5	16	45,5	50	37	1.533.3600.14	1.533.3601.14
PG 48	51,7	67,5	16	47,5	62	50	1.533.4800.14	1.533.4801.14

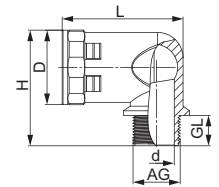
Polyamide-Fitting 90



Material	Polyamide
Protection category	IP 55
Operating Temperature	-30 °C – +80 °C (-22 °F – +176 °F)
Colours	grey (RAL 7031), black (RAL 9005)

RoHS

- // raw material according to UL 94
- // locknut optional
- // easy disassembly without tools



AG	d mm	D mm	GL mm	H mm	L mm	fits to Polyamide-Conduit DN	Number grey	Number black
M 12	8,2	18,7	11	36,3	35,7	6	1.535.1200.50	1.535.1201.50
M 16	10,8	21,7	11	37,3	38,5	10	1.535.1600.51	1.535.1601.51
M 16	10,9	26	11	41	43,8	12	1.535.1600.50	1.535.1601.50
M 20	14,7	28	11	44	46	14	1.535.2000.51	1.535.2001.51
M 20	15,2	32	13	51,5	51	17	1.535.2000.50	1.535.2001.50
M 25	18,7	39,5	16	61,2	64,3	23	1.535.2500.50	1.535.2501.50
PG 7	8,2	18,7	11	36,3	35,7	6	1.535.0700.14	1.535.0701.14
PG 9	10,3	21,7	11	37,3	38,5	10	1.535.0900.14	1.535.0901.14
PG 11	13,3	26	11	41	43,8	12	1.535.1100.14	1.535.1101.14
PG 13,5	15,3	28	11	44	46	14	1.535.1300.14	1.535.1301.14
PG 16	16,6	32	13	51,5	51	17	1.535.1600.14	1.535.1601.14
PG 21	22,4	39,5	16	61,2	64,3	23	1.535.2100.14	1.535.2101.14

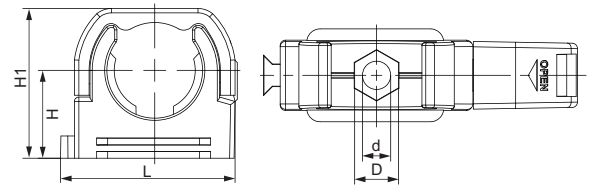
Polyamide-Fitting Clip



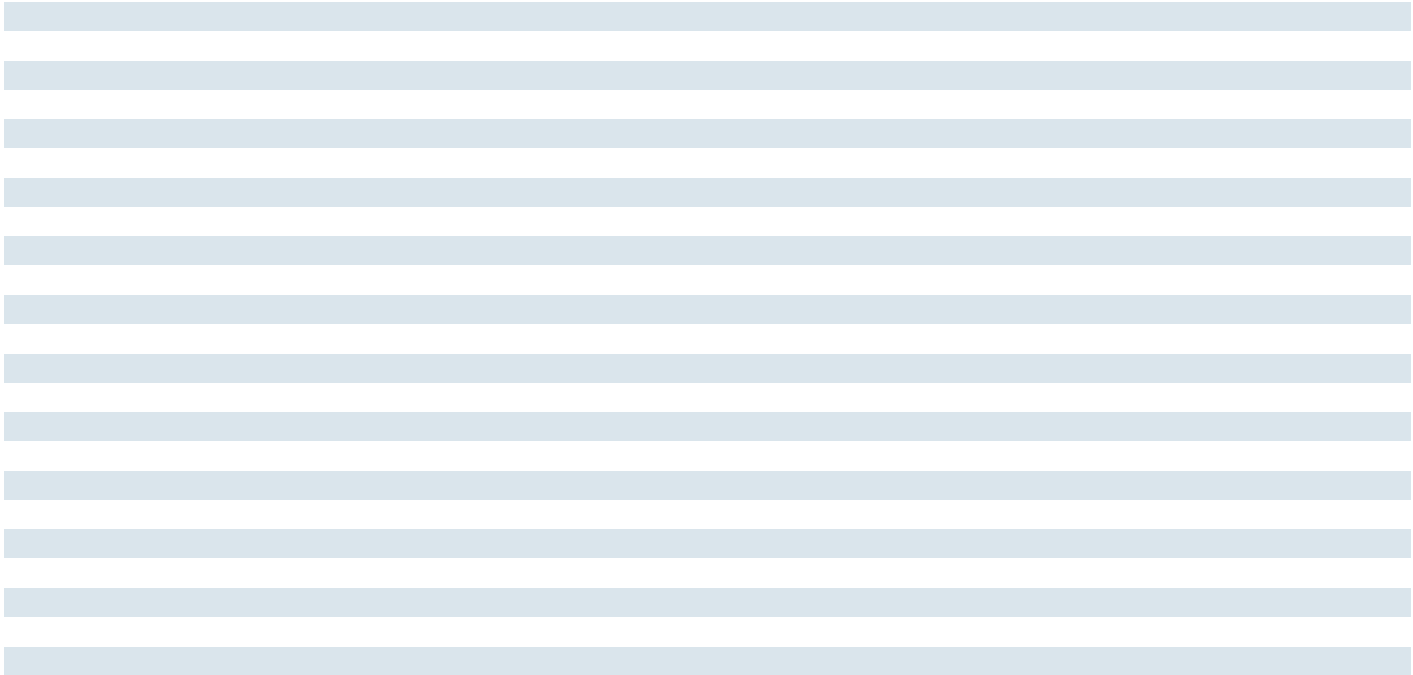
Material	Polyamide
Operating Temperature	-30 °C – +80 °C (-22 °F – +176 °F)
Colours	black (RAL 9005)

RoHS

// raw material according to UL 94



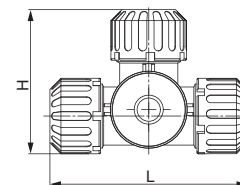
Size DN	d mm	D mm	L mm	H mm	H1 mm	fits to Polyamide-Conduit DN	Number black
DN10	5	7	28,7	15,75	27,5	10	1.534.0901.00
DN12	5,3	8,3	29,8	13,1	24	12	1.534.1101.00
DN14	5,3	8,5	35,2	17,75	29,3	14	1.534.1401.00
DN17	5,3	8,5	40,2	19,75	33,2	17	1.534.1601.00
DN23	5,3	8,7	52,6	23,5	40,5	23	1.534.2101.00
DN29	6,5	11	60,7	27	48	29	1.534.2901.00
DN37	6,5	11	69	30,4	57	37	1.534.3601.00
DN50	6,5	11	87	37,9	71	50	1.534.4801.00





Material	Polyamide
Protection category	IP 67
Operating Temperature	-40 °C – +120 °C (-40 °F – +248 °F)
Colours	black

// easy disassembly without tools



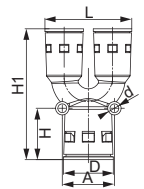
Size DN	L mm	H mm	fits to Polyamide-Conduit DN	Number black
DN10	50	68,5	10	1.536.0901.00
DN12	50,5	69,5	12	1.536.1101.00
DN17	58	80	17	1.536.1601.00
DN23	71	95	23	1.536.2101.00
DN29	84	109	29	1.536.2901.00

Polyamide-Fitting Y

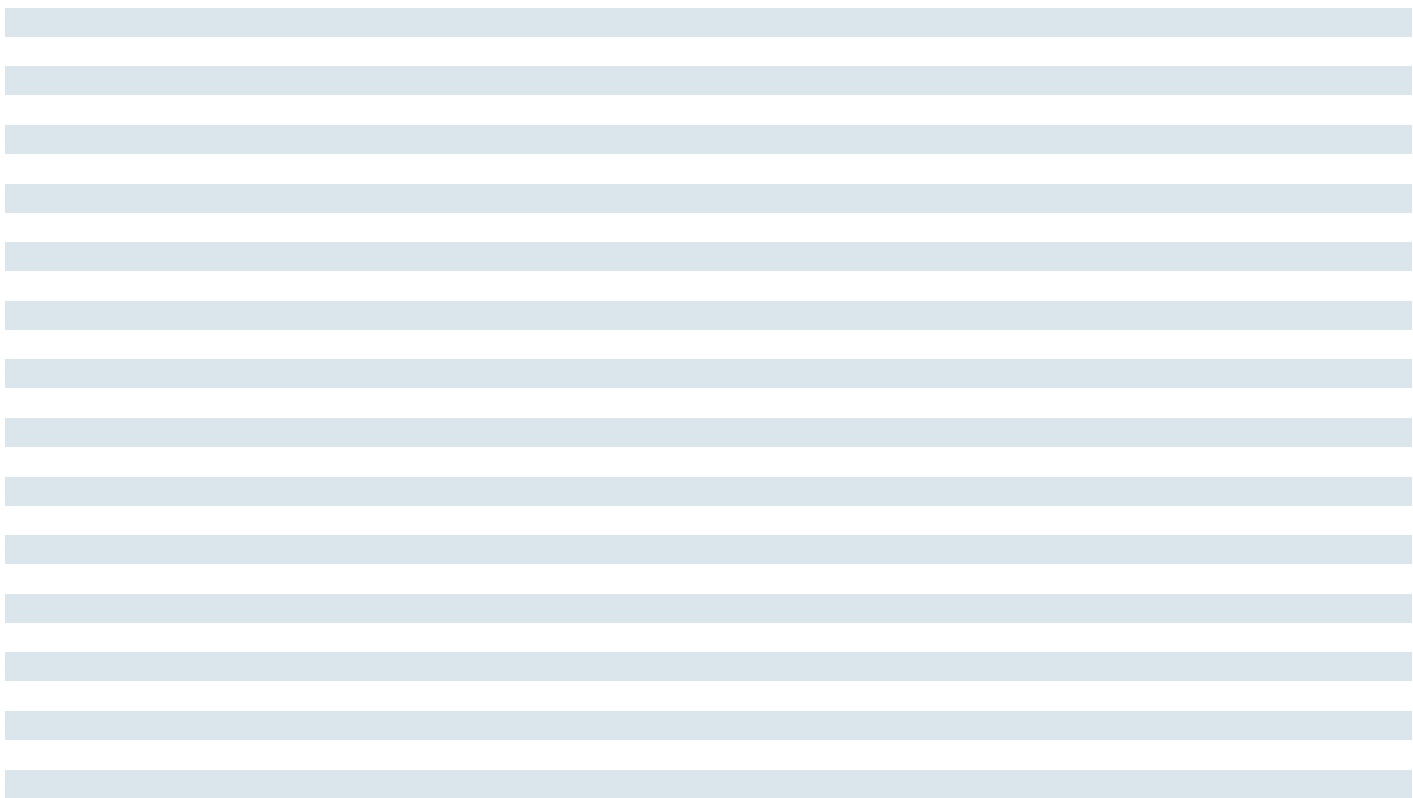


Material	Polyamide
Protection category	IP 55
Operating Temperature	-40 °C – +120 °C (-40 °F – +248 °F)
Colours	black

// easy disassembly without tools



Size DN	d mm	D mm	A mm	H mm	H1 mm	L mm	fits to Polyamide-Conduit DN	Number black
DN12/10/10	5,5	22,3	25	31	74	42	12/10/10	1.537.1101.00
DN17/12/12	6,5	28	32	32	85	51	17/12/12	1.537.1601.00
DN23/17/17	6,5	36,4	38	38	90,5	63,8	23/17/17	1.537.2101.00
DN29/23/23	6,5	43	45	37	106	76,8	29/23/23	1.537.2901.00



Polyamide-Fitting N

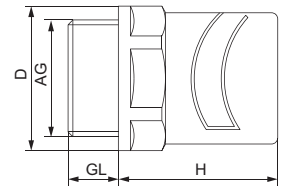
Metr., PG, NPT



Material	Polyamide
Protection category	IP 54 with O-Ring with fixed conduit mounting IP 65
Operating Temperature	-20 °C – +80 °C (-4 °F – +176 °F)
Colours	grey (RAL 7031), black (RAL 9005)



// protection against unintended disconnect. Use screwdriver to disassemble



AG	D mm	GL mm	H mm	mm	fits to Polyamide-Conduit DN	Number grey	Number black
M 16 x 1,5	20	8	23	17	10	1.511.1600.50	1.511.1601.50
M 20 x 1,5	26,5	9	28	24	14	1.511.2000.50	1.511.2001.50
M 25 x 1,5	38,5	11	32	35	23	1.511.2500.50	1.511.2501.50
M 32 x 1,5	46	11	35	42	29	1.511.3200.50	1.511.3201.50
PG 9	19	8	23	17	10	1.511.0900.14	1.511.0901.14
PG 11	23	8	25	21	12	1.511.1100.14	1.511.1101.14
PG 13,5	26,5	9	28	24	14	1.511.1300.14	1.511.1301.14
PG 16	30	10	29	27	17	1.511.1600.14	1.511.1601.14
PG 21	38,5	11	32	35	23	1.511.2100.14	1.511.2101.14
PG 29	46	11	35	42	29	1.511.2900.14	1.511.2901.14
PG 36	54,5	13	41	50	37	1.511.3600.14	1.511.3601.14
PG 48	70	14	46	64	50	1.511.4800.14	1.511.4801.14
NPT 3/8"	19	15	23	17	10	1.511.3800.70	1.511.3801.70
NPT 1/2"	30	13	29	27	17	1.511.1216.70	1.511.1217.70
NPT 3/4"	38,5	13	32	35	23	1.511.3400.70	1.511.3401.70
NPT 1"	46	15	35	42	29	1.511.1000.70	1.511.1001.70

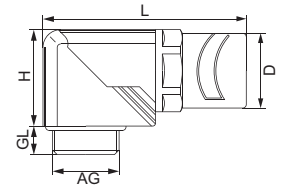
Polyamide-Fitting W Metr., PG, NPT



Material	Polyamide
O-Ring	NBR
Protection category	IP 54 with fixed conduit mounting IP 65
Operating Temperature	-20 °C – +80 °C (-4 °F – +176 °F)
Colours	black (RAL 9005)



// protection against unintended disconnect. Use screwdriver to disassemble



AG	D mm	GL mm	H mm	L mm	mm	fits to Polyamide-Conduit DN	Number
M 16 x 1,5	20	8	23	43	19	10	1.513.1601.50
M 20 x 1,5	26,5	9	30,5	52	24	14	1.513.2001.50
M 25 x 1,5	38,5	11	40	70	33	23	1.513.2501.50
M 32 x 1,5	46	11	51,5	83	42	29	1.513.3201.50
PG 9	19	8	23	43	19	10	1.513.0901.14
PG 11	23	8	27	48	22	12	1.513.1101.14
PG 13,5	26,5	9	30,5	52	24	14	1.513.1301.14
PG 16	30	10	32,5	56	27	17	1.513.1601.14
PG 21	38,5	11	40	70	33	23	1.513.2101.14
PG 29	46	11	51,5	83	42	29	1.513.2901.14
NPT 3/8"	19	15	23	43	19	10	1.513.3801.70
NPT 1/2"	30	13	32,5	56	27	17	1.513.1217.70
NPT 3/4"	38,5	13	40	70	33	23	1.513.3401.70
NPT 1"	46	15	51,5	83	42	29	1.513.1001.70

Polyamide-Fitting DUO-Ms

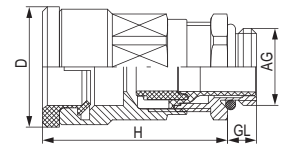
Metr., PG




Material	Nickel plated brass
Clamping insert	Polyamide
Seal	NBR
Protection category	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG) on the cable gland
Operating Temperature	-40 °C – +100 °C (-40 °F – +212 °F)



- // 2 in 1 cable gland and conduit fitting
- // easy disassembly without tools



AG	\varnothing mm	GL mm	H mm	D mm	 mm	fits to Polyamide- Conduit DN	Number
M 16	05–10	6	36	23	20/20	10	1.547.1610.50
M 16	03–07	6	36	23	20/20	10	1.547.1610.51
M 20	10–14	6	39,5	25	24/22	12	1.547.2012.50
M 20	07–12	6	39,5	25	24/22	12	1.547.2012.51
M 20	10–14	6	40,5	29	28/24	14	1.547.2014.50
M 20	07–12	6	40,5	29	28/24	14	1.547.2014.51
M 25	13–18	7	44,5	30	30/30	17	1.547.2517.50
M 25	09–16	7	44,5	30	30/30	17	1.547.2517.51
M 32	18–24	8	50,5	39	40/40	23	1.547.3223.50
M 32	13–20	8	50,5	39	40/40	23	1.547.3223.51
M 40	22–31	8	56,5	45	50/50	29	1.547.4029.50
M 40	20–26	8	56,5	45	50/50	29	1.547.4029.51
M 50	32–36	9	57,5	52	57/57	37	1.547.5037.50
M 50	25–31	9	57,5	52	57/57	37	1.547.5037.51
M 63	37–44	10	60,5	52	68/64	50	1.547.6350.50
M 63	29–35	10	60,5	52	68/64	50	1.547.6350.51
PG 11	05–10	6	36	23	20/20	10	1.548.1110.01
PG 11	03–07	6	36	23	20/20	10	1.548.1110.15
PG 13,5	6–12	6,5	39,5	25	24/22	12	1.548.1312.01
PG 13,5	5–9	6,5	39,5	25	24/22	12	1.548.1312.15
PG 16	10–14	6,5	40,5	29	28/24	14	1.548.1614.01
PG 16	07–12	6,5	40,5	29	28/24	14	1.548.1614.15
PG 21	13–16	7	44,5	30	30/30	17	1.548.2117.01
PG 21	09–16	7	44,5	30	30/30	17	1.548.2117.15
PG 29	18–22	8	50,5	39	40/40	23	1.548.2923.01
PG 29	13–20	8	50,5	39	40/40	23	1.548.2923.15
PG 36	22–28	8	56,5	45	50/50	29	1.548.3629.01
PG 36	20–26	8	56,5	45	50/50	29	1.548.3629.15
PG 42	32–36	9	57,5	52	57/57	37	1.548.4237.01
PG 42	25–31	9	57,5	52	57/57	37	1.548.4237.15
PG 48	37–44	10	60,5	52	64/64	50	1.548.4850.01
PG 48	29–35	10	60,5	52	64/64	50	1.548.4850.15


Polyamide-Fitting DUO-MS NPT



Material	Nickel plated brass
Clamping insert	Polyamide
Seal	NBR
Protection category	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG) on the cable gland
Operating Temperature	-40 °C – +100 °C (-40 °F – +212 °F)



- // 2 in 1 cable gland and conduit fitting
- // easy disassembly without tools

AG	∅ mm	GL mm	H mm	D mm	 mm	fits to Polyamide- Conduit DN	Number
NPT 1/2"	10–14	13	40,5	29	28/24	14	1.547.1214.70
NPT 1/2"	07–12	13	40,5	29	28/22	14	1.547.1214.71
NPT 3/4"	13–18	13	44,5	30	30/30	17	1.547.3417.70
NPT 3/4"	09–16	13	44,5	30	30/30	17	1.547.3417.71
NPT 1"	18–24	19	50,5	39	40/40	23	1.547.1023.70
NPT 1"	13–20	19	50,5	39	40/40	23	1.547.1023.71

Polyamide-Fitting DUO-PA

Metr., PG



Material	Polyamide
Seal	NBR
Protection category	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG) on the cable gland
Operating Temperature	-40 °C – +100 °C (-40 °F – +212 °F)
Colours	black (RAL 9005)



- // 2 in 1 cable gland and conduit fitting
- // easy disassembly without tools

AG	∅ mm	GL mm	H mm	D mm	mm	fits to Polyamide-Conduit DN	Number
M 16	05–10	8	40	23	22	10	1.542.1610.50
M 16	03–07	8	40	23	22	10	1.542.1610.51
M 20	06–12	10	44	25	24	12	1.542.2012.50
M 20	05–09	10	44	25	24	12	1.542.2012.51
M 20	10–14	10	46	29	27	14	1.542.2014.50
M 20	07–12	10	46	29	27	14	1.542.2014.51
M 25	13–18	11	50	30	33	17	1.542.2517.50
M 25	09–16	11	50	30	33	17	1.542.2517.51
M 32	18–24	11	60	39	42	23	1.542.3223.50
M 32	13–20	11	60	39	42	23	1.542.3223.51
M 40	22–31	13	69	45	53	29	1.542.4029.50
M 40	20–26	13	69	45	53	29	1.542.4029.51
M 50	32–36	13	74	52	60	37	1.542.5037.50
M 50	25–31	13	74	52	60	37	1.542.5037.51
M 63	37–44	14	79	52	68	50	1.542.6350.50
M 63	29–35	14	79	52	68	50	1.542.6350.51
PG 11	05–10	8	40	23	22	10	1.543.1110.14
PG 11	03–07	8	40	23	22	10	1.543.1110.15
PG 13,5	06–12	9	44	25	24	12	1.543.1312.14
PG 13,5	05–09	9	44	25	24	12	1.543.1312.15
PG 16	10–14	10	47	29	27	14	1.543.1614.14
PG 16	07–12	10	47	29	27	14	1.543.1614.15
PG 21	13–16	11	50	30	33	17	1.543.2117.14
PG 21	09–16	11	50	30	33	17	1.543.2117.15
PG 29	18–22	11	60	39	42	23	1.543.2923.14
PG 29	13–20	11	60	39	42	23	1.543.2923.15
PG 36	22–31	13	69	45	53	29	1.543.3629.14
PG 36	20–26	13	69	45	53	29	1.543.3629.15
PG 42	32–36	13	74	52	60	37	1.543.4237.14
PG 42	25–31	13	74	52	60	37	1.543.4237.15
PG 48	37–44	14	79	52	68	50	1.543.6350.14
PG 48	29–35	14	79	52	68	50	1.543.6350.15

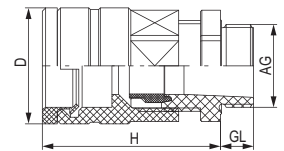
Polyamide-Fitting DUO-PA PT



Material	Polyamide
Seal	NBR
Protection category	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG) on the cable gland
Operating Temperature	-40 °C – +100 °C (-40 °F – +212 °F)
Colours	black (RAL 9005)



- // 2 in 1 cable gland and conduit fitting
- // easy disassembly without tools



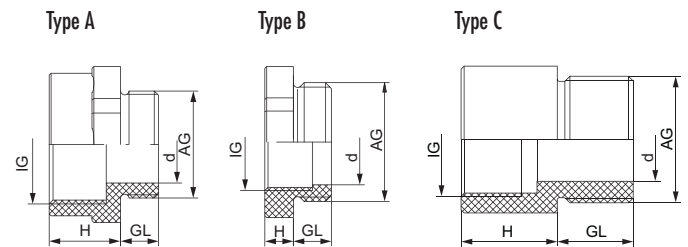
AG	\varnothing mm	GL mm	H mm	D mm	 mm	fits to Polyamide- Conduit DN	Number
NPT 1/2"	10–14	13	46	29	27	14	1.542.1214.70
NPT 1/2"	07–12	13	46	29	27	14	1.542.1214.71
NPT 3/4"	13–18	14	50	30	33	17	1.542.3417.70
NPT 3/4"	09–16	14	50	30	33	17	1.542.3417.71
NPT 1"	18–24	19	60	39	42	23	1.542.1023.70
NPT 1"	13–20	19	60	39	42	23	1.542.1023.71
NPT 1 1/2"	22–31	20	69	45	53	29	1.542.6429.70


R-M-PA

Metr., PG



Material	Polyamide (Type A / Type B), Polypropylene (Type C)
Operating Temperature	-20 °C – +80 °C (-4 °F – +176 °F)
Colours	black (RAL 9005)



AG	IG mm	Type	d mm	GL mm	H mm	 mm	Number
M 16 x 1,5	M 12 x 1,5	B	10	8	6	20	1.273.1612.50
M 20 x 1,5	M 16 x 1,5	B	13,5	8	6	25	1.273.2016.50
M 25 x 1,5	M 20 x 1,5	B	18	8	6	29	1.273.2520.50
M 32 x 1,5	M 25 x 1,5	B	23	10	6	36	1.273.3225.50
M 40 x 1,5	M 32 x 1,5	C	30	15	5		1.273.4032.50
M 50 x 1,5	M 40 x 1,5	C	38	15	5		1.273.5040.50
M 63 x 1,5	M 50 x 1,5	C	48	15	5		1.273.6350.50
M 25 x 1,5	PG 13,5	B	18	8	6	29	1.273.2513.50
M 25 x 1,5	PG 16	A	18	8	14	29	1.273.2516.50
M 32 x 1,5	PG 21	A	25	10	15	36	1.273.3221.50
M 40 x 1,5	PG 29	A	33	10	15	45	1.273.4029.50
M 50 x 1,5	PG 36	A	43	12	17	55	1.273.5036.50
M 63 x 1,5	PG 42	C	52	15	5		1.273.6342.50
PG 9	M 12 x 1,5	C	15	19	8,5		1.273.0912.11
PG 11	M 16 x 1,5	C	15	19	11,5		1.273.1116.11
PG 13,5	M 16 x 1,5	B	25	8	6	14	1.273.1316.11
PG 16	M 20 x 1,5	A	27	8	13	16	1.273.1620.11
PG 21	M 25 x 1,5	C	15	19	20,5		1.273.2125.11
PG 29	M 32 x 1,5	C	15	19	28		1.273.2932.11
PG 36	M 40 x 1,5	C	15	5	38		1.273.3640.11
PG 42	M 40 x 1,5	C	15	5	38		1.273.4240.11
PG 48	M 50 x 1,5	C	15	5	38		1.273.4850.11

Polyamide-Conduit

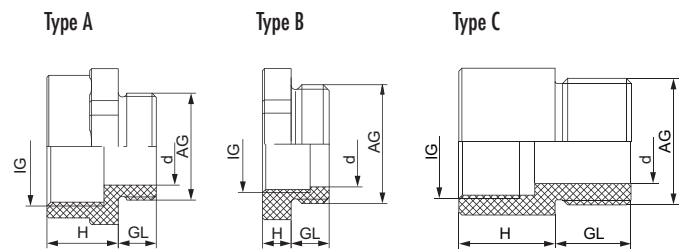
Polyamide-Fitting

Metal-Conduit / Metal-Fitting

Metal-Conduit Pro / Metal-Fitting Pro



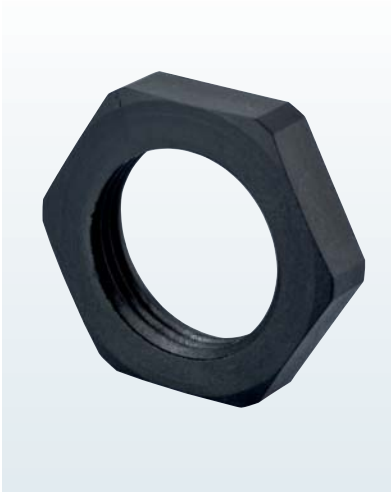
Material	Polyamide (Type A / Type B), Polypropylene (Type C)
Operating Temperature	-20 °C – +80 °C (-4 °F – +176 °F)
Colours	K-FS grey (RAL 7035), E-M-PA black (RAL 9005)



AG	IG mm	Type	d mm	GL mm	H mm	mm	Number
M 12 x 1,5	M 16 x 1,5	A	6,5	8	12	21	1.239.1216.50
M 16 x 1,5	M 20 x 1,5	A	9	8	13	25	1.239.1620.50
M 20 x 1,5	M 25 x 1,5	A	14	8	15	30	1.239.2025.50
M 25 x 1,5	M 32 x 1,5	C	16,5	15	15		1.239.2532.50
M 32 x 1,5	M 40 x 1,5	C	23	15	19,5		1.239.3240.50
M 40 x 1,5	M 50 x 1,5	C	30	15	19,5		1.239.4050.50
M 50 x 1,5	M 63 x 1,5	C	39	15	20		1.239.5063.50
<hr/>							
M 12 x 1,5	PG 7	A	6,5	8	12	17	1.239.1207.50
M 16 x 1,5	PG 9	C	8,5	1	19		1.239.1609.50
M 20 x 1,5	PG 13,5	A	14	8	13	25	1.239.2013.50
M 63 x 1,5	PG 48	C	51	15	20		1.239.6348.50
<hr/>							
PG 7	M 12 x 1,5	C	6	15	19		1.239.0712.11
PG 9	M 16 x 1,5	A	9	8	12	21	1.239.0916.11
PG 11	M 20 x 1,5	C	11,5	15	19		1.239.1120.11
PG 13,5	M 20 x 1,5	A	14	8	13	25	1.239.1320.11
PG 16	M 25 x 1,5	A	16	8	15	30	1.239.1625.11
PG 21	M 32 x 1,5	A	21	8	15	37	1.239.2132.11
PG 29	M 40 x 1,5	A	30	10	17	45	1.239.2940.11
PG 36	M 50 x 1,5	C	37	15	19,5		1.239.3650.11
PG 42	M 50 x 1,5	C	43	15	19,5		1.239.4250.11
PG 48	M 63 x 1,5	C	48	15	20		1.239.4863.11
<hr/>							
PG 11	PG 13,5	B	12,5	8	15	24	1.233.1113.11
PG 13,5	PG 16	B	15	9	16	27	1.233.1316.11
PG 16	PG 21	B	16	10	19	32	1.233.1621.11
PG 21	PG 29	B	22,5	11	21	42	1.233.2129.11

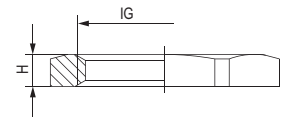
GM-FS

Metr., PG



Material	Polyamide VO according to UL 94
Operating Temperature	-40 °C – +100 °C (-40 °F – +212 °F)
Colours	grey (RAL 7035), black (RAL 9005)

// other colours upon request



IG	H mm	mm	Number PA VO grey	Number PA VO black
M 12 x 1,5	5	17	1.262.1200.50	1.262.1201.50
M 16 x 1,5	5	22	1.262.1600.50	1.262.1601.50
M 20 x 1,5	6	27	1.262.2000.50	1.262.2001.50
M 25 x 1,5	6,5	32	1.262.2500.50	1.262.2501.50
M 32 x 1,5	7	41	1.262.3200.50	1.262.3201.50
M 40 x 1,5	7	50	1.262.4000.50	1.262.4001.50
M 50 x 1,5	8	60	1.262.5000.50	1.262.5001.50
M 63 x 1,5	8	75	1.262.6300.50	1.262.6301.50
PG 7	5	19	1.262.0700.11	1.262.0701.11
PG 9	5	22	1.262.0900.11	1.262.0901.11
PG 11	5	24	1.262.1100.11	1.262.1101.11
PG 13,5	6	27	1.262.1300.11	1.262.1301.11
PG 16	6	30	1.262.1600.11	1.262.1601.11
PG 21	7	36	1.262.2100.11	1.262.2101.11
PG 29	7	46	1.262.2900.11	1.262.2901.11
PG 36	8	60	1.262.3600.11	1.262.3601.11
PG 42	8	65	1.262.4200.11	1.262.4201.11
PG 48	8	70	1.262.4800.11	1.262.4801.11
NPT 3/8"	7	24	1.262.3800.70	1.262.3801.70
NPT 1/2"	6	27	1.262.1200.70	1.262.1201.70
NPT 3/4"	7	32	1.262.3400.70	1.262.3401.70
NPT 1"	7	40	1.262.1000.70	1.262.1001.70

Polyamide-Conduit

Polyamide-Fitting

Metal-Conduit / Metal-Fitting

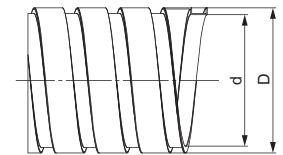
Metal-Conduit Pro / Metal-Fitting Pro

Metal-Conduit A

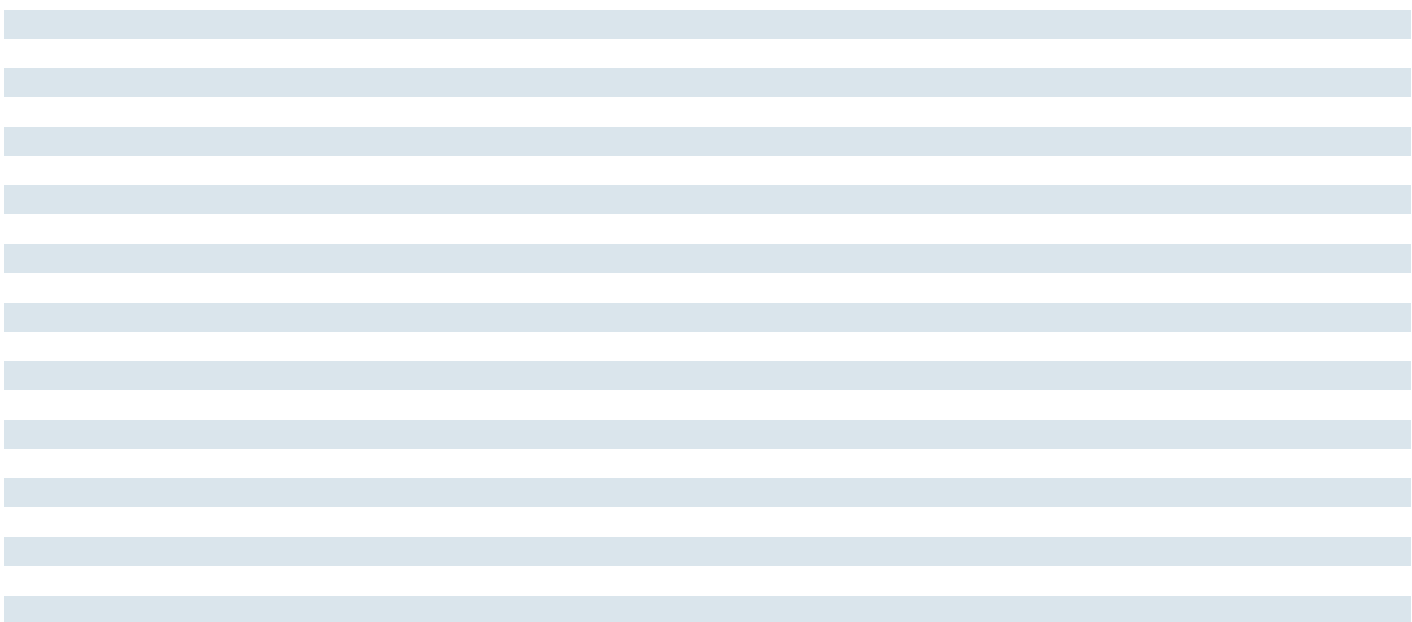


Material	galvanised steel
Protection category	IP 40
Operating Temperature	-100 °C – +300 °C (-148 °F – +572 °F)

RoHS



Size DN	d mm	D mm	R mm	Number
7	7,5	10,5	25	1.560.0760.00
9	9	12	30	1.560.0960.00
11	11	14	30	1.560.1160.00
14	14	17	40	1.560.1460.00
16	16	19	45	1.560.1660.00
21	21	24	55	1.560.2160.00
26	26	30	55	1.560.2660.00
37	37	41	80	1.560.3760.00
40	40	44	80	1.560.4060.00
51	51	55	90	1.560.5160.00

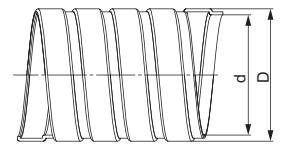


Metal-Conduit B



Material	galvanised steel, PVC coating
Protection category	IP 65
Operating Temperature	-15 °C – +70 °C (+5 °F – +158 °F)

RoHS



Size DN	d mm	D mm	R mm	Number
7	7,5	11,5	25	1.561.0761.00
9	9	13	30	1.561.0961.00
11	11	15	30	1.561.1161.00
14	14	18	40	1.561.1461.00
16	16	20	45	1.561.1661.00
21	21	25	55	1.561.2161.00
26	26	31	55	1.561.2661.00
37	37	42	80	1.561.3761.00
40	40	45	80	1.561.4061.00
51	51	56	90	1.561.5161.00

Polyamide-Conduit

Polyamide-Fitting

Metal-Conduit / Metal-Fitting

Metal-Conduit Pro / Metal-Fitting Pro

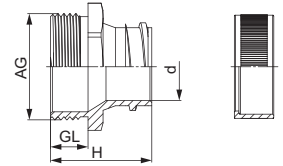
Metal-Fitting




Material	Nickel plated brass
Protection category	IP 54
Operating Temperature	-20 °C – +80 °C (-4 °F – +176 °F)

RoHS

// fixed mounted conduit fitting
// locknut optional



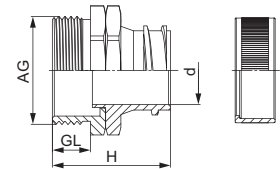
AG	d mm	GL mm	H mm	 mm	fits to Metal-Conduit DN	Number
M 12	6	8	24	15	7	1.570.1260.50
M 16	7	8	24	20	9	1.570.1660.51
M 16	9	10	26	20	11	1.570.1660.50
M 20	12	10	26	22	14	1.570.2060.51
M 20	14	10	26	22	16	1.570.2060.50
M 25	18	10	27	28	21	1.570.2560.50
M 32	23	12	31	35	26	1.570.3260.50
M 40	33,5	14	36	45	37	1.570.4060.50
M 50	37	14	36	55	40	1.570.5060.50
M 63	46	14	36	65	51	1.570.6360.50
PG 7	6	8	24	15	7	1.570.0760.14
PG 9	7	8	24	17	9	1.570.0960.14
PG 11	9	10	26	20	11	1.570.1160.14
PG 13,5	12	10	26	22	14	1.570.1360.14
PG 16	14	10	26	24	16	1.570.1660.14
PG 21	18	10	27	30	21	1.570.2160.14
PG 29	23	12	31	40	26	1.570.2960.14
PG 36	33,5	14	36	50	37	1.570.3660.14
PG 42	37	14	36	60	40	1.570.4260.14
PG 48	46	14	36	65	51	1.570.4860.14
NPT 1/4"	6	10	26	15	7	1.570.1460.70
NPT 3/8"	7	11,5	27,5	20	9	1.570.3860.71
NPT 3/8"	9	11,5	27,5	20	11	1.570.3860.70
NPT 1/2"	12	13	29	22	14	1.570.1260.71
NPT 1/2"	14	13	29	22	16	1.570.1260.70
NPT 3/4"	18	15	32	28	21	1.570.3460.70
NPT 1"	23	15	34	35	26	1.570.1060.70
NPT 1 1/4"	33,5	16	38	45	37	1.570.5460.70
NPT 1 1/2"	37	18	40	55	40	1.570.6460.70
NPT 2"	46	20	42	65	51	1.570.2060.70




Material	Nickel plated brass
Protection category	IP 54
Operating Temperature	-20 °C – +80 °C (-4 °F – +176 °F)

RoHS

// swivel conduit fitting
// locknut optional



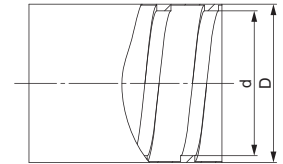
AG	d mm	GL mm	H mm	 mm	fits to Metal- Conduit DN	Number
M 12	6	8	27	15	7	1.571.1260.50
M 16	7	8	27	20	9	1.571.1660.51
M 16	9	10	29	20	11	1.571.1660.50
M 20	12	10	29	22	14	1.571.2060.51
M 20	14	10	29	22	16	1.571.2060.50
M 25	18	10	31	28	21	1.571.2560.50
M 32	23	12	35	35	26	1.571.3260.50
M 40	33,5	14	41	45	37	1.571.4060.50
M 50	37	14	41	55	40	1.571.5060.50
M 63	46	14	41	65	51	1.571.6360.50
PG 7	6	8	27	15	7	1.571.0760.14
PG 9	7	8	27	17	9	1.571.0960.14
PG 11	9	10	29	20	11	1.571.1160.14
PG 13,5	12	10	29	22	14	1.571.1360.14
PG 16	14	10	29	24	16	1.571.1660.14
PG 21	18	10	31	30	21	1.571.2160.14
PG 29	23	12	35	40	26	1.571.2960.14
PG 36	33,5	14	41	50	37	1.571.3660.14
PG 42	37	14	41	60	40	1.571.4260.14
PG 48	46	14	41	65	51	1.571.4860.14
NPT 1/4"	6	10	29	15	7	1.571.1460.70
NPT 3/8"	7	11,5	30,5	20	9	1.571.3860.71
NPT 3/8"	9	11,5	30,5	20	11	1.571.3860.70
NPT 1/2"	12	13	32	22	14	1.571.1260.71
NPT 1/2"	14	13	32	22	16	1.571.1260.70
NPT 3/4"	18	15	36	28	21	1.571.3460.70
NPT 1"	23	15	39	35	26	1.571.1060.70
NPT 1 1/4"	33,5	16	43	45	37	1.571.5460.70
NPT 1 1/2"	37	18	45	55	40	1.571.6460.70
NPT 2"	46	20	47	65	51	1.571.2060.70

Metal-Conduit Pro A

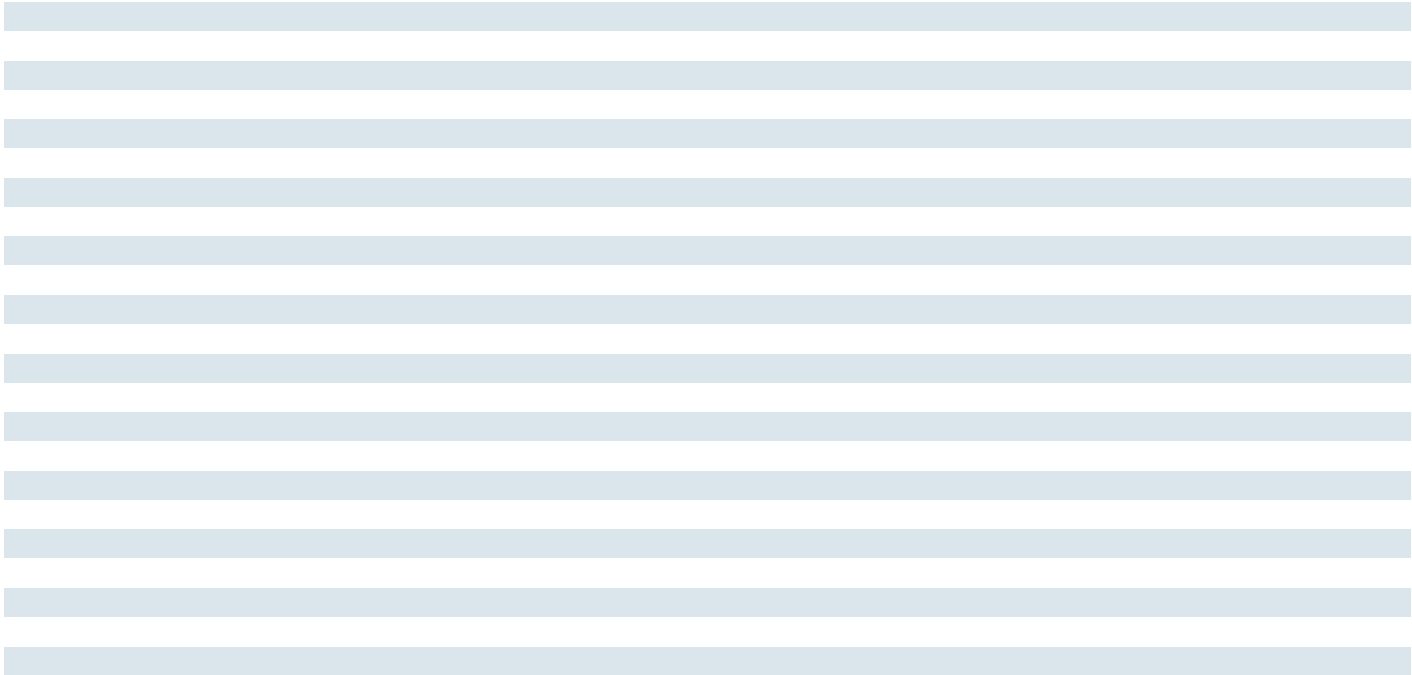


Material	galvanised steel, PVC coating
Protection category	IP 66
Operating Temperature	-20 °C – +105 °C (-4 °F – +221 °F)

RoHS



Size DN	d mm	D mm	R mm	Number
10	10,3	16	40	1.562.1061.00
12	12,3	18	45	1.562.1261.00
16	15,5	21	65	1.562.1661.00
21	20,9	26,5	100	1.562.2161.00
27	26,5	33,3	135	1.562.2761.00
35	35	42	175	1.562.3561.00
40	40	48,2	230	1.562.4061.00
51	51,5	60	280	1.562.5161.00

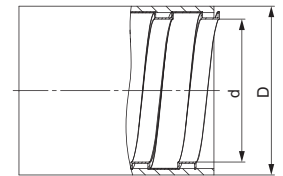


Metal-Conduit Pro B



Material	galvanised steel
Protection category	IP 40
Operating Temperature	-100 °C – +300 °C (-148 °F – +572 °F)

RoHS



Size DN	d mm	D mm	$\frac{R}{\text{mm}}$	Number
9	9	14	30	1.563.0960.00
11	11	16	35	1.563.1160.00
13	13	17,5	40	1.563.1360.00
16	16	21	45	1.563.1660.00
21	21	26	55	1.563.2160.00
26	26	32	70	1.563.2660.00
35	35	41	80	1.563.3560.00
40	40	46	90	1.563.4060.00
51	51	57	90	1.563.5160.00

Polyamide-Conduit

Polyamide-Fitting

Metal-Conduit / Metal-Fitting

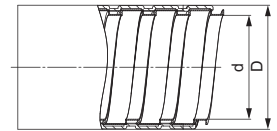
Metal-Conduit Pro / Metal-Fitting Pro

Metal-Conduit Pro C

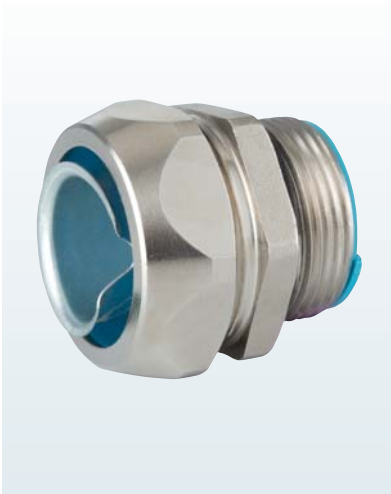


Material	galvanised steel
Protection category	IP 65
Operating Temperature	-15 °C – +70 °C (+5 °F – +158 °F)

RoHS

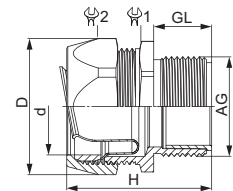


Size DN	d mm	D mm	R mm	Number
9	9	15	30	1.564.0960.00
11	11	17	35	1.564.1160.00
13	13	18,5	40	1.564.1360.00
16	16	22	45	1.564.1660.00
21	21	27	55	1.564.2160.00
26	26	33	70	1.564.2660.00
35	35	42	80	1.564.3560.00
40	40	47	90	1.564.4060.00
51	51	58	90	1.564.5160.00



Material	Nickel plated brass
Protection category	IP 67
Operating Temperature	-20 °C – +80 °C (-4 °F – +176 °F)

// fixed mounted conduit fitting
// locknut optional



AG	d mm	D mm	GL mm	H mm	1 mm	2 mm	fits to Polyamid- Conduit Pro DN	Number
M 12	16,5	24,5	10	31	20	22	-/09	1.572.1260.50
M 16	19	29,2	10	35	24	26	11/12	1.572.1660.51
M 16	22	32,6	11,5	39	27	29	12/13	1.572.1660.50
M 20	22	32,6	13	38,7	27	29	16	1.572.2060.50
M 25	27,5	38,8	15	41	33	35	21	1.572.2560.50
M 32	34,5	50	15	49	43	45	26/27	1.572.3260.50
M 40	43,5	60	16	51	52	54	35	1.572.4060.50
M 50	49,5	69,3	18	61	60	63	40	1.572.5060.50
M 63	62	85	20	73	74	77	51	1.572.6360.50
PG 7	16,5	24,5	10	31	20	22	-/09	1.572.0760.14
PG 9	16,5	24,5	10	31	20	22	11/12	1.572.0960.14
PG 11	19	29,2	11,5	35	24	26	12/13	1.572.1160.14
PG 13,5	22	32,6	13	39	27	29	16	1.572.1360.14
PG 16	22	32,6	13	38,7	27	29	16	1.572.1660.14
PG 21	27,5	38,8	15	41	33	35	21	1.572.2160.14
PG 29	34,5	50	15	49	43	45	26/27	1.572.2960.14
PG 36	43,5	60	16	51	52	54	35	1.572.3660.14
PG 42	49,5	69,3	18	61	60	63	40	1.572.4260.14
PG 48	62	85	20	73	74	77	51	1.572.4860.14
NPT 1/4"	16,5	24,5	10	31	20	22	10/11	1.572.1460.70
NPT 3/8"	19	29,2	11,5	35	20	22	12/13	1.572.3860.70
NPT 1/2"	22	32,6	13	38,7	27	29	16	1.572.1260.70
NPT 3/4"	27,5	38,8	15	41	33	35	21	1.572.3460.70
NPT 1"	34,5	50	15	49	43	45	27/26	1.572.1060.70
NPT 1 1/4"	43,5	60	16	51	52	54	35	1.572.5460.70
NPT 1 1/2"	49,5	69,3	18	61	60	63	40	1.572.6460.70
NPT 2"	62	85	20	73	74	77	51	1.572.2060.70

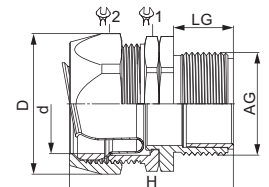
Metal-Fitting Pro S



Material	Nickel plated brass
Protection category	IP 67
Operating Temperature	-20 °C – +80 °C (-4 °F – +176 °F)

RoHS

// swivel conduit fitting
// locknut optional



AG	d mm	D mm	GL mm	H mm	H1 mm	H2 mm	fits to Polyamid- Conduit Pro DN	Number
M 12	16,5	24,5	10	34	20	22	-/09	1.573.1260.50
M 16	16,5	24,5	10	35	20	22	10/11	1.573.1660.51
M 16	19	29,2	10	37	20	22	12/13	1.573.1660.50
M 20	22	32,6	13	41	27	29	16	1.573.2060.50
M 25	27,5	38,8	15	44	33	35	21	1.573.2560.50
M 32	34,5	50	15	51	43	45	27/26	1.573.3260.50
M 40	43,5	60	16	54	52	54	35	1.573.4060.50
M 50	49,5	69,3	18	64	60	63	40	1.573.5060.50
M 63	62	85	20	76	74	77	51	1.573.6360.50
PG 7	16,5	24,5	10	34	20	22	-/09	1.573.0760.14
PG 9	16,5	24,5	10	34	20	22	10/11	1.573.0960.14
PG 11	19	29,2	11,5	35	24	26	12/13	1.573.1160.14
PG 13,5	22	32,6	13	37	27	29	16	1.573.1360.14
PG 16	22	32,6	13	41	27	29	16	1.573.1660.14
PG 21	27,5	38,8	15	44	33	35	21	1.573.2160.14
PG 29	34,5	50	15	51	43	45	27/26	1.573.2960.14
PG 36	43,5	60	16	54	52	54	35	1.573.3660.14
PG 42	49,5	69,3	18	64	60	63	40	1.573.4260.14
PG 48	62	85	20	76	74	77	51	1.573.4860.14
NPT 1/4"	16,5	24,5	10	35	20	22	10/11	1.573.1460.70
NPT 3/8"	19	29,2	11,5	37	20	22	12/13	1.573.3860.70
NPT 1/2"	22	32,6	13	41	27	29	16	1.573.1260.70
NPT 3/4"	27,5	38,8	15	44	33	35	21	1.573.3460.70
NPT 1"	34,5	50	15	51	43	45	26/27	1.573.1060.70
NPT 1 1/4"	43,5	60	16	54	52	54	35	1.573.5460.70
NPT 1 1/2"	49,5	69,3	18	64	60	63	40	1.573.6460.70
NPT 2"	62	85	20	76	74	77	51	1.573.2060.70

Metal-Fitting Clip



Material Metal

RoHS

Size DN	fits to Metal-Conduit, Metal-Conduit A, B / Pro A / Pro B, C DN	Number
7	07 / - / -	1.574.0760.00
9	09 / - / -	1.574.0960.00
11	11 / - / -	1.574.1160.00
14	11 / - / -	1.574.1460.00
16	16 / 16 / 16	1.574.1660.00
21	21 / 21 / 21	1.574.2160.00
26 / 27	- / 27 / 26	1.574.2660.00
35	35 / 35 / 35	1.574.3560.00
51	51 / - / -	1.574.5160.00

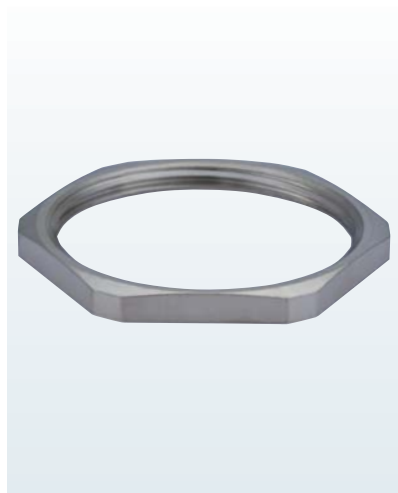
Polyamide-Conduit

Polyamide-Fitting

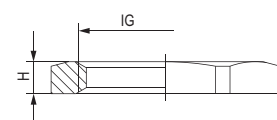
Metal-Conduit / Metal-Fitting


Metal-Conduit Pro / Metal-Fitting Pro

GM-Ms



Material Nickel plated brass



IG	H mm	 mm	Number
M 12 x 1,5	2,8	15	1.161.1200.50
M 16 x 1,5	2,8	19	1.161.1600.50
M 20 x 1,5	3,0	23	1.161.2000.50
M 25 x 1,5	3,5	29	1.161.2500.50
M 32 x 1,5	4,0	36	1.161.3200.50
M 40 x 1,5	4,5	45	1.161.4000.50
M 50 x 1,5	5,5	55	1.161.5000.50
M 63 x 1,5	6,0	70	1.161.6300.50

PG 7	2,8	15	1.161.0700.01
PG 9	2,8	18	1.161.0900.01
PG 11	3,0	21	1.161.1100.01
PG 13,5	3,0	23	1.161.1300.01
PG16	3,0	26	1.161.1600.01
PG 21	3,5	32	1.161.2100.01
PG 29	4,0	41	1.161.2900.01
PG 36	5,0	51	1.161.3600.01
PG 42	5,0	60	1.161.4200.01
PG 48	5,5	64	1.161.4800.01

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1.262	GM-FS	19	1.537	Polyamide-Fitting Y	10	1.564	Metal-Conduit Pro C	26
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