

OUT OF THE BOX SOLUTIONS FOR YOUR CABLE PROTECTION NEEDS

Controlwell offers an exhaustive range of Conduit Glands (Connectors) and Accessories.

These glands are available in wide variety of sizes and orientation to suit straight, 90° and 45° cable entry. Available with Pg, Metric, PF, NPT and UNEF thread systems this is undeniably the largest range of conduit glands available today.

For applications where the mounting surface is not threaded, glands with flanges can be used.

A wide range of special glands which secure the conduit as well as the cable passing through it are also available.

Accessories like couplers, mounting clips and tube end caps complement the range of Conduit Glands ensuring high IP protection class and ease of installation.

These products carry international approvals like VDE, UL & CE mark which testify the fact that we at Controlwell remain dedicated to our principle of helping you protect - connect - simplify.



CONDUIT
GLANDS AND
ACCESSORIES




OUT OF THE BOX SOLUTIONS

www.controlwell.com




STRAIGHT CONNECTORS (Pg & PF THREAD)


These connectors are used to clamp flexible corrugated conduits. They offer IP67 protection and are available in Pg, Metric, PF and NPT threads.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Temperature Range	-40°C to +105°C Continuous, +150°C Short Term
Protection Class	IP 67
Threads available	Pg & PF
Approvals	  

Pg Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
Pg 7	7	TNC-P077NG	TNC-P077B	12.5	11	50
Pg 7	10	TNC-P070NG	TNC-P070B	12.5	13	50
Pg 9	7	TNC-P097NG	TNC-P097B	15.2	13	50
Pg 9	10	TNC-P09NG	TNC-P09B	15.2	13	50
Pg 9	12	TNC-P0912NG	TNC-P0912B	15.2	13	50
Pg 11	7	TNC-P117NG	TNC-P117B	18.6	13	50
Pg 11	10	TNC-P110NG	TNC-P110B	18.6	13	50
Pg 11	12	TNC-P11NG	TNC-P11B	18.6	13	50
Pg 13.5	7	TNC-P137NG	TNC-P137B	20.4	13	50
Pg 13.5	10	TNC-P130NG	TNC-P130B	20.4	13	50
Pg 13.5/1	12	TNC-P132NG	TNC-P132B	20.4	13	50
Pg 13.5/2	16	TNC-P136NG	TNC-P136B	20.4	13	50
Pg 16	10	TNC-P160NG	TNC-P160B	22.5	13	50
Pg 16	12	TNC-P162NG	TNC-P162B	22.5	13	50
Pg 16	16	TNC-P16NG	TNC-P16B	22.5	13	50
Pg 16	22	TNC-P163NG	TNC-P163B	22.5	13	30
Pg 21	16	TNC-P216NG	TNC-P216B	28.3	13	30
Pg 21	22	TNC-P21NG	TNC-P21B	28.3	15	30
Pg 29	28	TNC-P29NG	TNC-P29B	37.0	15	30
Pg 36	36	TNC-P36NG	TNC-P36B	47.0	19	10
Pg 48	48	TNC-P48NG	TNC-P48B	59.3	21	10

PF Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
G 1/4"	7	TNC-G07NG	TNC-G07B	13.0	11	50
G 1/2"	10	TNC-G10NG	TNC-G10B	20.9	13	50
G 1/2"	12	TNC-G12NG	TNC-G12B	20.9	13	50
G 1/2"	16	TNC-G16NG	TNC-G16B	20.9	13	50
G 3/4"	22	TNC-G22NG	TNC-G22B	26.4	15	30
G 1"	28	TNC-G28NG	TNC-G28B	33.2	15	30
G 1 1/4"	36	TNC-G36NG	TNC-G36B	41.9	19	10
G 1 1/2"	48	TNC-G42NG	TNC-G42B	47.8	21	10
G 2"	48	TNC-G48NG	TNC-G48B	59.6	21	10



These connectors are used to clamp flexible corrugated conduits. They offer IP67 protection and are available in Pg, Metric, PF and NPT threads.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Temperature Range	-40° C to +105° C Continuous, +150° C Short Term
Protection Class	IP 67
Threads available	Metric & NPT
Approvals	

STRAIGHT CONNECTORS (METRIC & NPT THREAD)

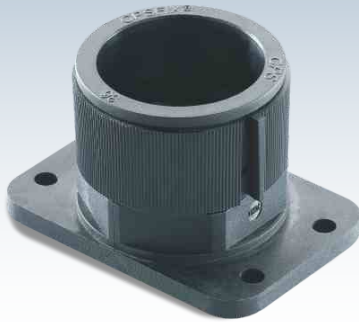


Metric Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
M 12 x 1.5	7	TNC-M107NG	TNC-M107B	12.0	11	50
M 12 x 1.5	10	TNC-M10NG	TNC-M10B	12.0	13	50
M 12 x 1.5	12	TNC-M102NG	TNC-M102B	12.0	13	50
M 16 x 1.5	7	TNC-M127NG	TNC-M127B	16.0	11	50
M 16 x 1.5	10	TNC-M120NG	TNC-M120B	16.0	13	50
M 16 x 1.5	12	TNC-M12NG	TNC-M12B	16.0	13	50
M 16 x 1.5	16	TNC-M126NG	TNC-M126B	16.0	13	50
M 20 x 1.5	16	TNC-M16NG	TNC-M16B	20.0	13	50
M 20 X 1.5	7	TNC-M167NG	TNC-M167B	20.0	11	50
M 20 X 1.5	10	TNC-M20NG	TNC-M20B	20.0	13	50
M 20 X 1.5	12	TNC-M202NG	TNC-M202B	20.0	13	50
M 25 x 1.5	22	TNC-M22NG	TNC-M22B	25.0	15	30
M 25 x 1.5	16	TNC-M226NG	TNC-M226B	25.0	13	30
M 32 x 1.5	22	TNC-M3222NG	TNC-M3222B	32.0	15	30
M 32 x 1.5	28	TNC-M28NG	TNC-M28B	32.0	15	30
M 40 x 1.5	28	TNC-M4028NG	TNC-M4028B	40.0	15	10
M 40 x 1.5	36	TNC-M36NG	TNC-M36B	40.0	19	10
M 50 x 1.5	36	TNC-M5036NG	TNC-M5036B	50.0	19	10
M 50 x 1.5	48	TNC-M48NG	TNC-M48B	50.0	21	10
M 63 x 1.5	48	TNC-M6348NG	TNC-M6348B	63.0	21	10

NPT Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
NPT 1/2"	10	TNC-N10NG	TNC-N10B	21.2	13	50
NPT 1/2"	12	TNC-N12NG	TNC-N12B	21.2	13	50
NPT 1/2"	16	TNC-N16NG	TNC-N16B	21.2	13	50
NPT 3/4"	22	TNC-N22NG	TNC-N22B	26.5	15	30
NPT 1"	28	TNC-N28NG	TNC-N28B	33.2	15	30

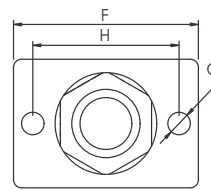


STRAIGHT CONNECTORS WITH FLANGE

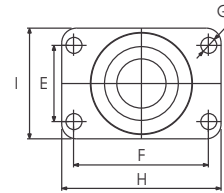


These connectors are used to clamp flexible corrugated conduits. They offer IP67 protection. These connectors are available with mounting holes for fixing on the panel or equipment surface.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Temperature Range	-40°C to +105°C Continuous, +150°C Short Term
Protection Class	IP 67



For TNOC-12/16



For TNOC-22/28/36/48

Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Standard Pack (pieces)
12	TNOC-12NG	TNOC-12B	-	36.5	5.5	46	32	50
16	TNOC-16NG	TNOC-16B	-	36.5	5.5	46	32	50
22	TNOC-22NG	TNOC-22B	31	54.8	6.5	64.8	45	30
28	TNOC-28NG	TNOC-28B	31	54.8	6.5	64.8	45	20
36	TNOC-36NG	TNOC-36B	31	72.6	6.5	86.6	64	10
48	TNOC-48NG	TNOC-48B	30.5	72.6	6.5	86.6	78	10

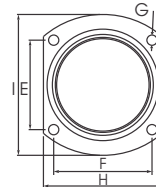


STRAIGHT CONNECTORS WITH FLANGE



These connectors are used to clamp standard corrugated conduits. They offer IP67 protection. These connectors are available with mounting holes for fixing on the panel or equipment surface.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Temperature Range	-40°C to +105°C Continuous, +150°C Short Term
Protection Class	IP 67



For TNOC-56/70/95

Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Standard Pack (pieces)
56	TNOC-56NG	TNOC-56B	61	67	7	81	96	10
70	TNOC-70NG	TNOC-70B	78	84	7	98	113	10
95	TNOC-95NG	TNOC-95B	94	108	8	125	146	10



These connectors are used to clamp flexible corrugated conduits. They offer IP67 protection and are available in Pg and Metric threads. The 90° configuration enables perpendicular conduit entry into the panel or equipment.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Temperature Range	-40° C to +105° C Continuous, +150° C Short Term
Protection Class	IP 67
Threads available	Pg, Metric & PF
Approvals	

90° ELBOW CONNECTORS



Pg Thread

Size	Suitable for Conduit Size	Connector Cat. No. Grey	Connector Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
Pg 7	7	TWC-P07NG	TWC-P07B	12.5	11	50
Pg 9	7	TWC-P097NG	TWC-P097B	15.2	11	50
Pg 9	10	TWC-P09NG	TWC-P09B	15.2	13	50
Pg 11	10	TWC-P110NG	TWC-P110B	18.6	13	30
Pg 11	12	TWC-P11NG	TWC-P11B	18.6	13	30
Pg 13.5	10	TWC-P13NG	TWC-P13B	20.4	13	30
Pg 13.5/1	12	TWC-P132NG	TWC-P132B	20.4	13	30
Pg 13.5/2	16	TWC-P136NG	TWC-P136B	20.4	15	30
Pg 16	12	TWC-P162NG	TWC-P162B	22.5	13	30
Pg 16	16	TWC-P16NG	TWC-P16B	22.5	15	30
Pg 16	22	TWC-P163NG	TWC-P163B	22.5	15	30
Pg 21	22	TWC-P21NG	TWC-P21B	28.3	15	20
Pg 29	28	TWC-P29NG	TWC-P29B	37.0	15	10
Pg 36	36	TWC-P36NG	TWC-P36B	47.0	19	10
Pg 48	48	TWC-P48NG	TWC-P48B	59.3	19	10

Metric Thread

Size	Suitable for Conduit Size	Connector Cat. No. Grey	Connector Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
M 12 x 1.5	7	TWC-M107NG	TWC-M107B	12.0	11	50
M 12 x 1.5	10	TWC-M10NG	TWC-M10B	12.0	13	50
M 16 x 1.5	12	TWC-M12NG	TWC-M12B	16.0	13	50
M 20 x 1.5	12	TWC-M202NG	TWC-M202B	20.0	13	50
M 20 x 1.5	16	TWC-M16NG	TWC-M16B	20.0	13	50
M 25 x 1.5	22	TWC-M22NG	TWC-M22B	25.0	15	30
M 32 x 1.5	28	TWC-M28NG	TWC-M28B	32.0	15	30
M 40 x 1.5	36	TWC-M36NG	TWC-M36B	40.0	19	10
M 50 x 1.5	48	TWC-M48NG	TWC-M48B	50.0	19	10

PF Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
G 1/2"	10	TWC-G10NG	TWC-G10B	20.9	13	50
G 1/2"	12	TWC-G12NG	TWC-G12B	20.9	13	50
G 1/2"	16	TWC-G16NG	TWC-G16B	20.9	13	50
G 3/4"	22	TWC-G22NG	TWC-G22B	26.4	15	30
G 1"	28	TWC-G28NG	TWC-G28B	33.2	15	30
G 1 1/4"	28	TWC-G368NG	TWC-G368B	41.9	15	10
G 1 1/4"	36	TWC-G36NG	TWC-G36B	41.9	19	10
G 1 1/2"	48	TWC-G42NG	TWC-G42B	47.8	19	10
G 2"	48	TWC-G48NG	TWC-G48B	59.6	19	10

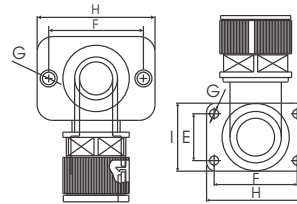


90° ELBOW FLANGE CONNECTORS



These connectors are used to clamp flexible corrugated conduits. They offer IP67 protection. These connectors are available with mounting holes for fixing on the panel or equipment surface. The 90° configuration enables perpendicular conduit entry into the panel or equipment.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Temperature Range	-40°C to +105°C Continuous, +150°C Short Term
Protection Class	IP 67



For TWOC-12/16

For TWOC-22/28/36/48

Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Standard Pack (pieces)
12	TWOC-12NG	TWOC-12B	-	36.5	5.5	45	32	50
16	TWOC-16NG	TWOC-16B	-	36.5	5.5	45	32	30
22	TWOC-22NG	TWOC-22B	30.5	53.5	5.5	66	45	20
28	TWOC-28NG	TWOC-28B	30.5	55	6	66	45	10
36	TWOC-36NG	TWOC-36B	30.5	72.5	7	86	64	10
48	TWOC-48NG	TWOC-48B	30.5	72.5	7	86	78	10

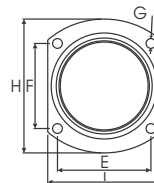


90° ELBOW FLANGE CONNECTORS



These connectors are used to clamp flexible corrugated conduits. They offer IP67 protection. These connectors are available with mounting holes for fixing on the panel or equipment surface. The 90° configuration enables perpendicular conduit entry into the panel or equipment.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey), RAL 9005 (Black)
Temperature Range	-40°C to +105°C Continuous, +150°C Short Term
Protection Class	IP 67



For TWOC-56/70/95

Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Standard Pack (pieces)
56	TWOC-56NG	TWOC-56B	67	61	7	96	81	10
70	TWOC-70NG	TWOC-70B	84	78	7	113	98	10
95	TWOC-95NG	TWOC-95B	108	94	8	146	125	10



These connectors are used to clamp flexible corrugated conduits. They offer IP67 protection and are available in Pg and Metric threads. The 45° configuration enables angular conduit entry into the panel or equipment.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Temperature Range	-40° C to +105° C Continuous, +150° C Short Term
Protection Class	IP 67
Threads available	Pg, Metric & PF
Approvals	CE

45° ANGULAR CONNECTORS



Pg Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
Pg 9	10	TAC-P09NG	TAC-P09B	15.2	13	50
Pg 11	10	TAC-P110NG	TAC-P110B	18.6	13	30
Pg 11	12	TAC-P11NG	TAC-P11B	18.6	13	30
Pg 13.5	10	TAC-P130NG	TAC-P130G	20.4	13	30
Pg 13.5	16	TAC-P136NG	TAC-P136B	20.4	13	30
Pg 16	16	TAC-P16NG	TAC-P16B	22.5	13	30
Pg 21	22	TAC-P21NG	TAC-P21B	28.3	15	30
Pg 29	28	TAC-P29NG	TAC-P29B	37.0	15	10
Pg 36	36	TAC-P36NG	TAC-P36B	47.0	20	10
Pg 48	48	TAC-P48NG	TAC-P48B	59.3	20	5

Metric Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
M 12 x 1.5	10	TAC-M10NG	TAC-M10B	12.0	13	50
M 16 x 1.5	12	TAC-M12NG	TAC-M12B	16.0	13	30
M 20 x 1.5	12	TAC-M202NG	TAC-M202B	20.0	13	30
M 20 x 1.5	16	TAC-M16NG	TAC-M16B	20.0	13	30
M 25 x 1.5	22	TAC-M22NG	TAC-M22B	25.0	15	30
M 32 x 1.5	28	TAC-M28NG	TAC-M28B	32.0	15	10
M 40 x 1.5	36	TAC-M36NG	TAC-M36B	40.0	20	10
M 50 x 1.5	48	TAC-M48NG	TAC-M48B	50.0	20	5

PF Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
G 1/2"	10	TAC-G10NG	TAC-G10B	20.9	13	50
G 1/2"	12	TAC-G12NG	TAC-G12B	20.9	13	30
G 1/2"	16	TAC-G16NG	TAC-G16B	20.9	13	30
G 3/4"	22	TAC-G22NG	TAC-G22B	26.4	15	30
G 1"	28	TAC-G28NG	TAC-G28B	33.2	15	10
G 1 1/4"	36	TAC-G36NG	TAC-G36B	41.9	20	10
G 1 1/2"	48	TAC-G42NG	TAC-G42B	47.8	20	5
G 2"	48	TAC-G48NG	TAC-G48B	59.6	20	5



TNCC

TICC

CONNECTORS TO SECURE

CABLES AND CONDUITS



These special connectors are used to clamp flexible corrugated conduits. They offer IP67 protection and are available in Pg and UNEF threads. These connectors also act as a cable gland for the cable going through the conduit.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Temperature Range	-40° C to +105° C Continuous, +150° C Short Term
Protection Class	IP 67
Threads available	Pg, Metric & G - Male Thread*, UNEF - Female Thread

Pg Male Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Length (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	10	TNCC-P07NG	TNCC-P07B	15	3.5 - 6.5	50
Pg 9	10	TNCC-P09NG	TNCC-P09B	15	3.5 - 6.5	50
Pg 11	12	TNCC-P11NG	TNCC-P11B	15	4 - 8	30
Pg 13.5	12	TNCC-P132NG	TNCC-P132B	15	4 - 8	30
Pg 13.5	16	TNCC-P13NG	TNCC-P13B	15	7 - 12	30
Pg 16	16	TNCC-P16NG	TNCC-P16B	15	7 - 12	30
Pg 21	22	TNCC-P21NG	TNCC-P21B	15	12 - 18	30
Pg 29	28	TNCC-P29NG	TNCC-P29B	15	18 - 26	15
Pg 36	36	TNCC-P36NG	TNCC-P36B	19	22 - 33	15
Pg 48	48	TNCC-P48NG	TNCC-P48B	19	30 - 38	10

* Metric & G Male Thread Connectors available on request.

UNEF Female Thread

UNEF Thread Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Inner Thread Length (mm)	Cable Clamping Range (mm)	Standard Pack (pieces)
1/2-28	10	TICC-U1010NG	TICC-U1010B	13	3.5-6.5	50
5/8-24	10	TICC-U1210NG	TICC-U1210B	13	3.5-6.5	30
3/4-20	10	TICC-U1410NG	TICC-U1410B	13	3.5-6.5	30
5/8-24	12	TICC-U1212NG	TICC-U1212B	13	4-8	30
3/4-20	12	TICC-U1412NG	TICC-U1412B	13	4-8	30
1-20	12	TICC-U1812NG	TICC-U1812B	13	4-8	30
7/8-20	16	TICC-U1616NG	TICC-U1616B	13	7-12	30
1-20	16	TICC-U1816NG	TICC-U1816B	13	7-12	30
1 3/16-18	16	TICC-U2016NG	TICC-U2016B	13	7-12	30
1 7/16-18	16	TICC-U2816NG	TICC-U2816B	15	7-12	30
1 3/16-18	22	TICC-U2222NG	TICC-U2222B	15	12-16	30
1 7/16-18	22	TICC-U2822NG	TICC-U2822B	15	12-16	30
1 7/16-18	28	TICC-U2828NG	TICC-U2828B	15	18-26	20
1 3/4-18	28	TICC-U3228NG	TICC-U3228B	15	18-26	10
2-18	28	TICC-U3628NG	TICC-U3628B	15	18-26	10
2-18	36	TICC-U3636NG	TICC-U3636B	19	22-33	10



These female thread connectors are used to clamp flexible corrugated conduits. They offer IP67 protection and are available in special UNEF, Pg, Metric and PF thread configuration.

Technical Details :	
Material	Polyamide 6
Colour	Black & Grey
Temperature Range	-40°C to +105°C Continuous, +150°C Short Term
Protection Class	IP 67
Threads available	UNEF, Pg, Metric & PF

STRAIGHT CONNECTORS

WITH FEMALE THREADS



UNEF Thread

UNEF Thread Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Inner Thread Length (mm)	Standard Pack (pieces)
1/2-28	10	TIC-U1010NG	TIC-U1010B	10	50
5/8-24	10	TIC-U1210NG	TIC-U1210B	10	50
3/4-20	10	TIC-U1410NG	TIC-U1410B	10	50
5/8-24	12	TIC-U1212NG	TIC-U1212B	10	50
3/4-20	12	TIC-U1412NG	TIC-U1412B	10	50
1-20	12	TIC-U1812NG	TIC-U1812B	10	50
7/8-20	16	TIC-U1616NG	TIC-U1616B	10	50
1-20	16	TIC-U1816NG	TIC-U1816B	10	30
1 3/16-18	16	TIC-U2016NG	TIC-U2016B	10	30
1 7/16-18	16	TIC-U2816NG	TIC-U2816B	10	30
1 3/16-18	22	TIC-U2222NG	TIC-U2222B	10	30
1 7/16-18	22	TIC-U2822NG	TIC-U2822B	10	30
2-18	22	TIC-U3622NG	TIC-U3622B	10	30
1 7/16-18	28	TIC-U2828NG	TIC-U2828B	10	30
1 3/4-18	28	TIC-U3228NG	TIC-U3228B	10	30
2-18	28	TIC-U3628NG	TIC-U3628B	10	30
2-18	36	TIC-U3636NG	TIC-U3636B	10	30

PG Thread

PG Thread Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Inner Thread Length (mm)	Standard Pack (pieces)
Pg 11	12	TIC-P11NG	TIC-P11B	14	50
Pg 13.5	12	TIC-P132NG	TIC-P132B	14	50
Pg 16	16	TIC-P16NG	TIC-P16B	14	30
Pg 21	22	TIC-P21NG	TIC-P21B	15	30

Metric Thread

Metric Thread Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Inner Thread Length (mm)	Standard Pack (pieces)
M16 x 1.5	12	TIC-M12NG	TIC-M12B	14	50
M16 x 1.5	16	TIC-M226NG	TIC-M226B	14	50

PF Thread

PF Thread Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Inner Thread Length (mm)	Standard Pack (pieces)
G 1/2"	16	TIPC-G16NG	TIPC-G16B	13.8	50
G 3/4"	22	TIPC-G22NG	TIPC-G22B	15	30
G 1"	28	TIPC-G28NG	TIPC-G28B	15	25
G 1 1/4"	36	TIPC-G36NG	TIPC-G36B	29	10
G 1 1/2"	48	TIPC-G42NG	TIPC-G42B	29	10
G 2"	48	TIPC-G48NG	TIPC-G48B	29	10



STRAIGHT CONNECTORS

WITH METALLIC THREADS



These straight connectors are used to clamp flexible corrugated conduits. They offer IP67 protection and are available in Pg and Metric threads. The metallic threads ensure that the threading on the glands does not wear out during installation and also offer a superior mating strength with the female threads in the mounting surface.

Technical Details :	
Material	High Quality Polyamide 6 + Brass Nickel Plated
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Application	Rolling Stock, Railways, Tramway, Subway
Temperature Range	-40°C to +105°C Continuous, +150°C Short Term
Protection Class	IP 67
Threads available	Pg & Metric

Straight Connectors - Pg Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
Pg 9	10	SNC-P09NG	SNC-P09B	15.2	13	50
Pg 11	12	SNC-P11NG	SNC-P11B	18.6	13	50
Pg 13.5/1	12	SNC-P132NG	SNC-P132B	20.4	13	50
Pg 13.5/2	16	SNC-P136NG	SNC-P136B	20.4	13	50
Pg 16	16	SNC-P16NG	SNC-P16B	22.5	15	50
Pg 21	22	SNC-P21NG	SNC-P21B	28.3	15	30
Pg 29	28	SNC-P29NG	SNC-P29B	37.0	15	30
Pg 36	36	SNC-P36NG	SNC-P36B	47.0	19	10
Pg 48	48	SNC-P48NG	SNC-P48B	59.3	21	10

Straight Connectors - Metric Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
M 12 x 1.5	10	SNC-M10NG	SNC-M10B	12.0	13	50
M 16 x 1.5	12	SNC-M12NG	SNC-M12B	16.0	13	50
M 20 x 1.5	16	SNC-M16NG	SNC-M16B	20.0	13	50
M 25 x 1.5	22	SNC-M22NG	SNC-M22B	25.0	15	30
M 32 x 1.5	28	SNC-M28NG	SNC-M28B	32.0	15	30
M 40 x 1.5	36	SNC-M36NG	SNC-M36B	40.0	19	10
M 50 x 1.5	48	SNC-M48NG	SNC-M48B	50.0	21	10



These 45° connectors are used to clamp flexible corrugated conduits at a 45° angle to the panel or equipment. They offer IP67 protection and are available in Pg and Metric threads. The metallic threads ensure that the threading on the glands does not wear out during installation and also offer a superior mating strength with the female threads in the mounting surface.

Technical Details :	
Material	High Quality Polyamide 6 + Brass Nickel Plated
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Application	Rolling Stock, Railways, Tramway, Subway
Temperature Range	-40° C to +105° C Continuous, +150° C Short Term
Protection Class	IP 67
Threads available	Pg & Metric

45° ELBOW CONNECTORS

WITH METALLIC THREADS



45° Elbow Connectors - Pg Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
Pg 9	10	SAC-P09NG	SAC-P09B	15.2	13	50
Pg 11	12	SAC-P11NG	SAC-P11B	18.6	13	30
Pg 13.5	16	SAC-P136NG	SAC-P136B	20.4	13	30
Pg 16	16	SAC-P16NG	SAC-P16B	22.5	13	30
Pg 21	22	SAC-P21NG	SAC-P21B	28.3	15	30
Pg 29	28	SAC-P29NG	SAC-P29B	37.0	15	10
Pg 36	36	SAC-P36NG	SAC-P36B	47.0	20	10
Pg 48	48	SAC-P48NG	SAC-P48B	59.3	20	5

45° Elbow Connectors - Metric Thread

Size	Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
M 12 x 1.5	10	SAC-M10NG	SAC-M10B	12.0	13	50
M 16 x 1.5	12	SAC-M12NG	SAC-M12B	16.0	13	30
M 20 x 1.5	16	SAC-M16NG	SAC-M16B	20.0	13	30
M 25 x 1.5	22	SAC-M22NG	SAC-M22B	25.0	15	30
M 32 x 1.5	28	SAC-M28NG	SAC-M28B	32.0	15	10
M 40 x 1.5	36	SAC-M36NG	SAC-M36B	40.0	17	10
M 50 x 1.5	48	SAC-M48NG	SAC-M48B	50.0	17	5



90° ELBOW CONNECTORS

WITH METALLIC THREADS



These 90° connectors are used to clamp flexible corrugated conduits at a 90° angle to the panel or equipment. They offer IP67 protection and are available in Pg and Metric threads. The metallic threads ensure that the threading on the glands does not wear out during installation and also offer a superior mating strength with the female threads in the mounting surface.

Technical Details :	
Material	High Quality Polyamide 6 + Brass Nickel Plated
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Application	Rolling Stock, Railways, Tramway, Subway
Temperature Range	-40° C to +105° C Continuous, +150° C Short Term
Protection Class	IP 67
Threads available	Pg & Metric

90° Elbow Connectors - Pg Thread

Size	Suitable for Conduit Size	Connector Cat. No. Grey	Connector Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
Pg 7	7	SWC-P07NG	SWC-P07B	12.5	11	50
Pg 9	10	SWC-P09NG	SWC-P09B	15.2	13	50
Pg 11	12	SWC-P11NG	SWC-P11B	18.6	13	30
Pg 13.5	16	SWC-P136NG	SWC-P136B	20.4	13	30
Pg 16	16	SWC-P16NG	SWC-P16B	22.5	13	30
Pg 21	22	SWC-P21NG	SWC-P21B	28.3	15	20
Pg 29	28	SWC-P29NG	SWC-P29B	37.0	15	10
Pg 36	36	SWC-P36NG	SWC-P36B	47.0	19	10
Pg 48	48	SWC-P48NG	SWC-P48B	59.3	19	10

90° Elbow Connectors - Metric Thread

Size	Suitable for Conduit Size	Connector Cat. No. Grey	Connector Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
M 12 x 1.5	7	SWC-M107NG	SWC-M107B	12.0	11	50
M 12 x 1.5	10	SWC-M10NG	SWC-M10B	12.0	13	50
M 16 x 1.5	12	SWC-M12NG	SWC-M12B	16.0	13	50
M 20 x 1.5	16	SWC-M16NG	SWC-M16B	20.0	13	50
M 25 x 1.5	22	SWC-M22NG	SWC-M22B	25.0	15	30
M 32 x 1.5	28	SWC-M28NG	SWC-M28B	32.0	15	30
M 40 x 1.5	36	SWC-M36NG	SWC-M36B	40.0	19	10
M 50 x 1.5	48	SWC-M48NG	SWC-M48B	50.0	19	10



These Conduit Glands are very easy and quick to install. In combination with galvanized steel or PVC coated galvanized steel conduits they offer IP54 class protection. Manufactured from nickel plated brass they offer excellent resistance to environmental factors.

Technical Details :	
Material	Nickel Plated Brass
Protection Class	IP 54
Threads Available	Pg & Metric

METAL CONDUIT GLANDS

FOR MSB CONDUITS



Pg Thread for Galvanised Steel Corrugated Flexible Conduit - Bare Metal

Size	Cat. No.	TD (mm)	TL (mm)	Suitable for Conduit ID x OD
Pg 7	MSBG-P07	13	5	8.0 x 10.0
Pg 9	MSBG-P09	16	5	11.0 x 14.0
Pg 11	MSBG-P11	19	6	14.0 x 17.0
Pg 13.5	MSBG-P13	21	6	16.0 x 19.0
Pg 16	MSBG-P16	23	6	18.0 x 21.0
Pg 21	MSBG-P21	29	7	23.0 x 27.0
Pg 29	MSBG-P29	37	8	32.0 x 36.0
Pg 36	MSBG-P36	47	8	40.0 x 45.0
Pg 42	MSBG-P42	54	10	45.0 x 52.0
Pg 48	MSBG-P48	59	10	50.0 x 56.0

Metric Thread for Galvanised Steel Corrugated Flexible Conduit - Bare Metal

Size	Cat. No.	TD (mm)	TL (mm)	Suitable for Conduit ID x OD
M16 x 1.5	MSBG-M09	16	6	11.0 x 14.0
M16 x 1.5	MSBG-M11	16	6	14.0 x 17.0
M20 x 1.5	MSBG-M13	20	6	16.0 x 19.0
M20 x 1.5	MSBG-M16	20	6	18.0 x 21.0
M25 x 1.5	MSBG-M21	25	7	23.0 x 27.0
M32 x 1.5	MSBG-M29	32	8	32.0 x 36.0
M40 x 1.5	MSBG-M36	40	8	40.0 x 45.0
M50 x 1.5	MSBG-M42	50	9	45.0 x 52.0
M63 x 1.5	MSBG-M48	63	10	50.0 x 56.0



METAL CONDUIT GLANDS

FOR MSP CONDUITS



These Conduit Glands are very easy and quick to install. In combination with galvanized steel or PVC coated galvanized steel conduits they offer IP54 class protection. Manufactured from nickel plated brass they offer excellent resistance to environmental factors.

Technical Details :

Material	Nickel Plated Brass
Protection Class	IP 54
Threads Available	Pg & Metric

Pg Thread for Galvanised Steel Corrugated Flexible Conduit - PVC Sheathed

Size	Cat. No.	TD (mm)	TL (mm)	Suitable for Conduit ID x OD
Pg 7	MSPG-P07	13	5	7.0 x 10.0
Pg 9	MSPG-P09	16	5	10.0 x 14.0
Pg 11	MSPG-P11	19	6	13.0 x 17.0
Pg 13.5	MSPG-P13	21	6	15.0 x 19.0
Pg 16	MSPG-P16	23	6	17.0 x 21.0
Pg 21	MSPG-P21	29	7	21.0 x 27.0
Pg 29	MSPG-P29	37	8	28.0 x 36.0
Pg 36	MSPG-P36	47	8	37.0 x 45.0
Pg 42	MSPG-P42	54	10	44.0 x 52.0
Pg 48	MSPG-P48	59	10	48.0 x 56.0

Metric Thread for Galvanised Steel Corrugated Flexible Conduit - PVC Sheathed

Size	Cat. No.	TD (mm)	TL (mm)	Suitable for Conduit ID x OD
M16 x 1.5	MSPG-M09	16	6	10.0 x 14.0
M16 x 1.5	MSPG-M09L	16	15	10.0 x 14.0
M16 x 1.5	MSPG-M11/16	16	6	13.0 x 17.0
M16 x 1.5	MSPG-M11/16L	16	15	13.0 x 17.0
M20 x 1.5	MSPG-M11/20L	20	15	13.0 x 17.0
M20 x 1.5	MSPG-M13	20	6	15.0 x 19.0
M20 x 1.5	MSPG-M16	20	6	17.0 x 21.0
M20 x 1.5	MSPG-M16L	20	15	17.0 x 21.0
M25 x 1.5	MSPG-M21	25	7	21.0 x 27.0
M25 x 1.5	MSPG-M21L	25	15	21.0 x 27.0
M32 x 1.5	MSPG-M29	32	8	28.0 x 36.0
M40 x 1.5	MSPG-M36	40	8	37.0 x 45.0
M50 x 1.5	MSPG-M42	50	9	44.0 x 52.0
M63 x 1.5	MSPG-M48	63	10	48.0 x 56.0



These Straight Conduit Glands made of 4 piece fitting are designed to suit all types of liquid tight conduits. The use of nickel-plated brass guarantees high corrosion resistance. In order to maintain a common usage standard for the fittings, small adjustments on the connection sets are necessary.

Technical Details :	
Material	Nickel Plated Brass
Construction	4 Piece Fitting (Counter Nut, Seal Ring, Ferrule, Body)
Temperature Range	-45° C to + 105° C
Protection Class	IP 67
Threads available	Pg - Blue Insert Metric - Red Insert NPT - White Insert (Available on request)
Approvals	

STRAIGHT CONDUIT GLANDS

FOR LIQUID TIGHT CONDUITS



Liquid Tight Straight Conduit Glands (Pg Thread)

Size	Cat. No.	Suitable for Conduit Size	Internal Diameter (mm)	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
Pg 9	BBFB-02(C)	3/8"	10.2	16	11.5	50
Pg 11	BBFB-03	3/8"	10.2	19	11.5	50
Pg 13.5	BBFB-04	3/8"	10.2	21	11.5	50
Pg 16	BBFB-05	1/2"	13.9	23	13	50
Pg 21	BBFB-06	3/4"	18.5	29	15	25
Pg 29	BBFB-07	1"	23.8	37	15	10
Pg 36	BBFB-08	1 1/4"	31.8	47	15	5
Pg 42	BBFB-09	1 1/2"	36.8	54	18	5
Pg 48	BBFB-10	2"	47.8	59	20	4

Liquid Tight Straight Conduit Glands (Metric Thread)

Size	Cat. No.	Suitable for Conduit Size	Internal Diameter (mm)	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
M 16 x 1.5	BBFM-02	3/8"	10.2	16	11.5	50
M 20 x 1.5	BBFM-03(S)	3/8"	10.2	20	13	50
M 20 x 1.5	BBFM-03	1/2"	13.9	20	13	50
M 25 x 1.5	BBFM-04	3/4"	18.5	25	15	25
M 32 x 1.5	BBFM-05	1"	23.8	32	15	10
M 40 x 1.5	BBFM-06	1 1/4"	31.8	40	15	5
M 50 x 1.5	BBFM-07	1 1/2"	36.8	50	18	5
M 63 x 1.5	BBFM-08	2"	47.8	63	20	4

Liquid Tight Straight Conduit Glands (NPT Thread)

Size	Cat. No.	Suitable for Conduit Size	Internal Diameter (mm)	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
NPT 1/2"	BBFN-02(S)	3/8"	10.2	20.95	13	50
NPT 1/2"	BBFN-02	1/2"	13.9	20.95	13	50
NPT 3/4"	BBFN-03	3/4"	18.5	26.4	15	25
NPT 1"	BBFN-04	1"	23.8	33.2	15	10
NPT 1 1/4"	BBFN-05	1 1/4"	31.8	41.9	15	5
NPT 1 1/2"	BBFN-06	1 1/2"	36.8	47.5	18	5
NPT 2"	BBFN-07	2"	47.8	59.37	20	4



45° CONDUIT GLANDS

FOR LIQUID TIGHT CONDUITS



These 45° Conduit Glands made of 4 piece fitting are designed to suit all types of liquid tight conduits. The use of nickel-plated brass guarantees high corrosion resistance. In order to maintain a common usage standard for the fittings, small adjustments on the connection sets are necessary.

Technical Details :	
Material	Nickel Plated Brass
Construction	4 Piece Fitting (Counter Nut, Seal Ring, Ferrule, Body)
Temperature Range	-45° C to +105° C
Protection Class	IP 67
Threads available	Pg - Blue Insert Metric - Red Insert NPT - White Insert (Available on request)
Approvals	

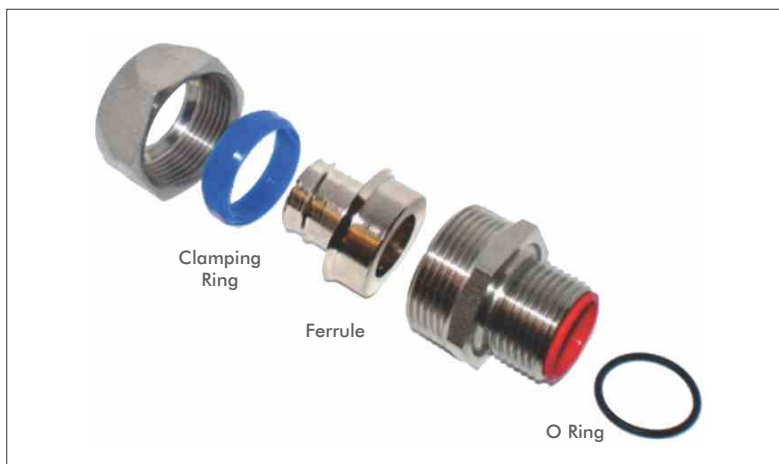
Liquid Tight 45° Conduits (Pg Thread)

Size	Cat. No.	Suitable for Conduit Size	Internal Diameter (mm)	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
Pg 11	BBFB-03-45	3/8"	10.2	19	11.5	50
Pg 13.5	BBFB-04-45	3/8"	10.2	21	11.5	50
Pg 16	BBFB-05-45	1/2"	13.9	23	13	50
Pg 21	BBFB-06-45	3/4"	18.5	29	15	25
Pg 29	BBFB-07-45	1"	23.8	37	15	10
Pg 36	BBFB-08-45	1 1/4"	31.8	47	16	5
Pg 42	BBFB-09-45	1 1/2"	36.8	54	18	5
Pg 48	BBFB-10-45	2"	47.8	59	20	4

Liquid Tight 45° Conduit Glands (Metric Thread)

Size	Cat. No.	Suitable for Conduit Size	Internal Diameter (mm)	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
M 16 x 1.5	BBFM-02-45	3/8"	10.2	16	11.5	50
M 20 x 1.5	BBFM-03(S)-45	3/8"	10.2	20	13	50
M 20 x 1.5	BBFM-03-45	1/2"	13.9	20	13	50
M 25 x 1.5	BBFM-04-45	3/4"	18.5	25	15	25
M 32 x 1.5	BBFM-05-45	1"	23.8	32	15	10
M 40 x 1.5	BBFM-06-45	1 1/4"	31.8	40	15	5
M 50 x 1.5	BBFM-07-45	1 1/2"	36.8	50	18	5
M 63 x 1.5	BBFM-08-45	2"	47.8	63	20	4

IP 67 Liquid Tight Conduit Gland Construction



Unlike normal Conduit Glands which have a two piece construction these conduit glands have a four piece construction and use an additional O Ring to achieve IP 67 protection levels.

The additional components inside this gland are ferrule and a clamping ring which in combination are able to create an IP 67 protection level.



These 90° Conduit Glands made of 4 piece fitting are designed to suit all types of liquid tight conduits. The use of nickel-plated brass guarantees high corrosion resistance. In order to maintain a common usage standard for the fittings, small adjustments on the connection sets are necessary.

Technical Details :	
Material	Nickel Plated Brass
Construction	4 Piece Fitting (Counter Nut, Seal Ring, Ferrule, Body)
Temperature Range	-45° C to +105° C
Protection Class	IP 67
Threads available	Pg - Blue Insert Metric - Red Insert NPT - White Insert (Available on request)
Approvals	

90° CONDUIT GLANDS

FOR LIQUID TIGHT CONDUITS



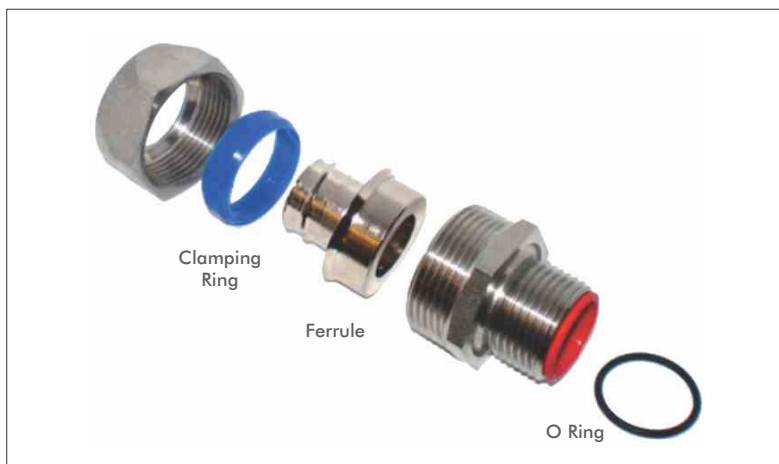
Liquid Tight 90° Conduit Glands (Pg Thread)

Size	Cat. No.	Suitable for Conduit Size	Internal Diameter (mm)	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
Pg 11	BBFB-03-90	3/8"	10.2	19	11.5	50
Pg 13.5	BBFB-04-90	3/8"	10.2	21	11.5	50
Pg 16	BBFB-05-90	1/2"	13.9	23	13	50
Pg 21	BBFB-06-90	3/4"	18.5	29	15	25
Pg 29	BBFB-07-90	1"	23.8	37	15	10
Pg 36	BBFB-08-90	1 1/4"	31.8	47	15	5
Pg 42	BBFB-09-90	1 1/2"	36.8	54	18	5
Pg 48	BBFB-10-90	2"	47.8	59	20	4

Liquid Tight 90° Conduits (Metric Thread)

Size	Cat. No.	Suitable for Conduit Size	Internal Diameter (mm)	Thread Diameter (mm)	Thread Length (mm)	Standard Pack (pieces)
M 16 x 1.5	BBFM-02(S)-90	5/16"	8.3	16	11.5	50
M 16 x 1.5	BBFM-02-90	3/8"	10.2	16	11.5	50
M 20 x 1.5	BBFM-03(S)-90	3/8"	10.2	20	13	50
M 20 x 1.5	BBFM-03-90	1/2"	13.9	20	13	50
M 25 x 1.5	BBFM-04-90	3/4"	18.5	25	15	25
M 32 x 1.5	BBFM-05-90	1"	23.8	32	15	10
M 40 x 1.5	BBFM-06-90	1 1/4"	31.8	40	15	5
M 50 x 1.5	BBFM-07-90	1 1/2"	36.8	50	18	5
M 63 x 1.5	BBFM-08-90	2"	47.8	63	20	4

IP 67 Liquid Tight Conduit Gland Construction



Unlike normal Conduit Glands which have a two piece construction these conduit glands have a four piece construction and use an additional O Ring to achieve IP 67 protection levels.

The additional components inside this gland are ferrule and a clamping ring which in combination are able to create an IP 67 protection level.