

**Material:**

Body: Nickel-plated brass  
 Seal: Neoprene  
 Clamping insert: PA 6  
 Sealing ring for outer thread: Nitril

**Technical properties:**

• Seal rings included for PG and Metric sizes

**Technical properties:**

• Maximum strain relief through clamp range  
 • Gas and water-tight

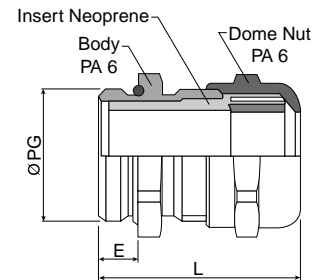
<b>Temperature Range Neoprene</b>
-25 to 100° C (-13 to 212° F)



**PG Thread\***

Outer thread	Clamping range mm	Cat. No.	Std. Pk.
PG 7	1.5-5	4220351	50
PG 7	2.5-6.5	4220307	50
PG 9	2.5-7	4220352	50
PG 9	4-9.5	4220309	50
PG 11	3-8.5	4220353	50
PG 11	6-11.5	4220311	50
PG 13	4-10	4220354	50
PG 13	7-13	4220313	50
PG 16	5-12	4220355	50
PG 16	8-15	4220316	50
PG 21	8-16	4220356	20
PG 21	11-19	4220321	20
PG 29	11-21	4220357	20
PG 29	16-26	4220329	20
PG 36	16-28	4220358	10
PG 36	22-34.5	4220336	10
PG 42	22-34	4220359	5
PG 42	27-40	4220342	5
PG 48	28-40	4220360	5
PG 48	35-48	4220348	5

Thread Size	H mm	PG Dimensions					
		E mm	L mm	ØC mm	ØP mm	ØPG mm	
PG7	14	5	32	6.7	6.8	12.5	
PG9	17	6	35	8.5	8.7	15.2	
PG11	20	6	37	10.5	10.5	18.6	
PG13	22	6.5	39	12.5	12.5	20.4	
PG16	24	6.5	43	14.5	14.5	22.5	
PG21	30	7	50	18.5	18.5	28.3	
PG29	40	8	53	25.5	25.5	37.0	
PG36	50	9	65	32.5	32.5	47.0	
PG42	58	10	68	39.0	39.0	54.0	
PG48	65	10	70	48.5	48.5	59.3	



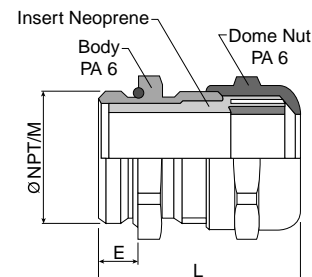
**NPT Thread**

NPT	Clamping range mm	Cat. No.	Std. Pk.
NPT 3/8"	2.5-7	4220810	50
NPT 3/8"	4-9.5	4220800	50
NPT 1/2"	4-10	4220811	50
NPT 1/2"	7-13	4220801	50
NPT 3/4"	5-13	4220812	20
NPT 3/4"	8-16	4220802	20
NPT 1"	7-17	4220813	5
NPT 1"	11-21	4220803	5

Thread Size	H mm	Metric/NPT Dimensions					
		E mm	L mm	ØC mm	ØP mm	ØNPT/M mm	
NPT 3/8	18	15	38	9.7	10	17.1	
NPT 1/2	23	20	46	13.2	13.5	21.2	
NPT 3/4	28	20	48	16.2	16.5	26.7	
NPT 1	36	25	55	21.5	22	33.3	
M12	14	5	25	6.6	6.6	12.0	
M16	17	5	28	9.7	10	16.0	
M20	22	6	32	13.2	13.5	20.0	
M25	27	7	35	16.2	16.5	25.0	
M32	34	8	38	21.5	22	32.0	
M40	42	8	41	27.5	28	40.0	
M50	55	9	46	35.5	36	50.0	
M63	65	10	54	48.5	50	63.0	

**Metric Thread\***

Metric	Clamping range mm	Cat. No.	Std. Pk.
M 12 x 1.5	1.5-5	4220712	100
M 12 x 1.5	2.5-6.5	4220612	100
M 16 x 1.5	2.5-7	4220716	50
M 16 x 1.5	4-9.5	4220616	50
M 20 x 1.5	4-10	4220720	50
M 20 x 1.5	7-13	4220620	50
M 25 x 1.5	5-13	4220725	25
M 25 x 1.5	8-16	4220625	25
M 32 x 1.5	7-17	4220732	20
M 32 x 1.5	11-21	4220632	20
M 40 x 1.5	10-22	4220740	10
M 40 x 1.5	15-27	4220640	10
M 50 x 1.5	17-29	4220750	5
M 50 x 1.5	22-35	4220650	5
M 63 x 1.5	28-40	4220763	5
M 63 x 1.5	35-48	4220663	5



\* Extended Thread available consult Altech

# Cable Gland, Polyamide

## Material:

Body: Polyamide 6

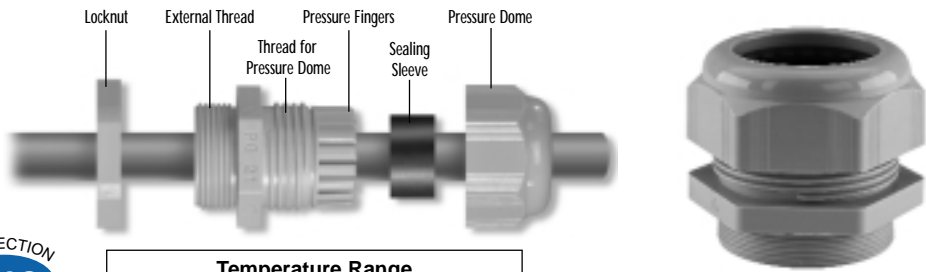
Seal: Neoprene

## Technical properties:

- Maximum strain relief through clamping range
- IP 68 achieved without seal rings
- Trapezoidal thread with high torque guarantees tight and permanent fit of the dome nut
- Gas and water-tight

## Application field:

- Machines and devices



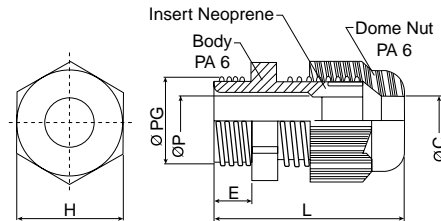
Temperature Range	
<b>PA6</b>	<b>Neoprene</b>
-40 to 100° C (-40 to 212° F)	-25 to 100° C (-13 to 212° F)



## PG Thread

Outer thread	Clamping range mm	Cat. No. Light Grey	Cat. No. Black	Std. Pk.
PG 7	1.5-5	5309107	5309207	100
PG 7	2.5-6.5	5308707	5308507	100
PG 9	1.5-6	5309109	5309209	50
PG 9	2.5-8	5308709	5308509	50
PG 11	2-7	5309111	5309211	50
PG 11	3.5-10	5308711	5308511	50
PG 13.5	3-9	5309113	5309213	50
PG 13.5	5-12	5308713	5308513	50
PG 16	5-12	5309116	5309216	50
PG 16	7-14	5308716	5308516	50
PG 21	7-16	5309121	5309221	25
PG 21	9-18	5308721	5308521	25
PG 29	11-21	5309129	5309229	20
PG 29	14-25	5308729	5308529	20
PG 36	13-26	5309136	5309236	10
PG 36	18-32	5308736	5308536	10
PG 42	17-31	5309142	5309242	5
PG 42	24-38.5	5308737	5308537	5
PG 48	26-39	5309148	5309248	5
PG 48	35-48	5308738	5308538	5

Thread Size	H mm	PG Dimensions					
		E mm	L mm	ØC mm	ØP mm	ØPG mm	
PG7	15	8	32	6.7	6.8	12.5	
PG9	19	8	35	8.5	8.7	15.2	
PG11	22	8	37	10.5	10.5	18.6	
PG13.5	24	9	39	12.5	12.5	20.4	
PG16	27	10	43	14.5	14.5	22.5	
PG21	33	11	50	18.5	18.5	28.3	
PG29	42	11	53	25.5	25.5	37.0	
PG36	53	13	65	32.5	32.5	47.0	
PG42	60	13	68	39.0	39.0	54.0	
PG48	70	14	70	48.5	48.5	59.3	



## NPT Thread

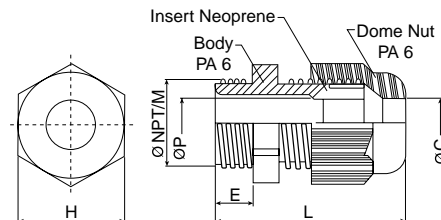
NPT	Clamping range mm	Cat. No.	Cat. No.	Std. Pk.
NPT 3/8"	1.5-6	5308904	5308924	50
NPT 3/8"	2.5-8	5308900	5308920	50
NPT 1/2"	3-9	5308905	5308925	50
NPT 1/2"	5-12	5308901	5308921	50
NPT 3/4"	7-16	5308906	5308926	20
NPT 3/4"	9-18	5308902	5308922	20
NPT 1"	11-21	5308907	5308927	20
NPT 1"	14-25	5308903	5308923	20

Thread Size	H mm	Metric/NPT Dimensions				
		E mm	L mm	ØC mm	ØP mm	ØNPT/M mm
NPT 3/8"	19	11	38	8.5	8.7	17.1
NPT 1/2"	24	14	44	12.5	12.5	21.2
NPT 3/4"	33	15	54	18.5	18.5	26.7
NPT 1"	42	18	60	25.5	25.5	33.3

## Metric Thread\*

Metric	Clamping range mm	Cat. No.	Cat. No.	Std. Pk.
M 12 x 1.5	1.5-5	5309612	5309712	100
M 12 x 1.5	2.5-6.5	5308950	5308940	100
M 16 x 1.5	2-7	5309616	5309716	50
M 16 x 1.5	2.5-8	5308958	5308948	50
M 16 x 1.5	3.5-10	5308951	5308941	50
M 20 x 1.5	5-12	5309620	5309720	50
M 20 x 1.5	5-12	5308959	5308949	50
M 20 x 1.5	7-14	5308952	5308942	50
M 25 x 1.5	7-16	5309625	5309725	25
M 25 x 1.5	7-14	5308960	5308962	50
M 25 x 1.5	9-18	5308953	5308943	25
M 32 x 1.5	11-21	5309632	5309732	20
M 32 x 1.5	14-25	5308954	5308944	20
M 40 x 1.5	13-26	5309640	5309740	10
M 40 x 1.5	18-32	5308955	5308945	10
M 50 x 1.5	17-31	5309650	5309750	5
M 50 x 1.5	24-38.5	5308956	5308946	5
M 63 x 1.5	26-39	5309663	5309763	5
M 63 x 1.5	35-48	5308957	5308947	5

M12	15	8	32	6.7	6.8	12.0
M16	22	10	39	10.5	10.5	16.0
M20	27	10	43	14.5	14.5	20.0
M25	33	10	49	18.5	18.5	25.0
M32	42	10	52	25.5	25.5	32.0
M40	53	10	62	32.5	32.5	40.0
M50	60	12	67	39.0	39.0	50.0
M63	70	12	68	48.5	48.5	63.0



\* Extended Thread available consult Altech

# Cable Gland Industrial, with traction relief and kink protection, Polyamide

**Material:**

Body: Polyamide 6

Seal: Neoprene

**Characteristic feature:**

PG/Metric/NPT threads



**Temperature Range PA**  
-20 to 100° C (-4 to 212° F)

**Technical properties:**

- Optimal strain relief through clamping range
- Seals against housing through sealing lip
- Trapezoidal threading with high torque guarantees tight and permanent fit of the dome nut
- also available with reduction insert
- Gas and water tight

**Applications:**

- Machines and devices



Outer thread	Clamping range mm	Cat. No. Dark Grey	Cat. No. Black	Std. Pk.	Thread Size	Dimensions			ØPG/M/NPT mm
						H mm	E mm	L mm	
<b>PG</b>									
PG 7	2.5 - 6.5	5306007	5306107	50	PG7	15	8	54	12.5
PG 9	3 - 8	5306009	5306109	50	PG9	19	8	64	15.2
PG 11/1	4 - 10	5306011	5306111	50	PG11/1	22	8	77	18.6
PG 11/2	2 - 7	5306012	5306112	50	PG11/2	22	8	77	18.6
PG 13/1	5.5 - 12	5306013	5306113	50	PG13/1	24	9	88	20.4
PG 13/2	3 - 7	5306014	5306114	50	PG13/2	24	9	88	20.4
PG 16/1	8.5 - 14	5306016	5306116	25	PG16/1	27	10	102	22.5
PG 16/2	5 - 11	5306017	5306117	25	PG16/2	27	10	102	22.5
<b>Metric</b>									
M 12 x 1.5/K/6.5	2.5 - 6.5	5306030	5306130	50	M 12x1.5/K/6.5	15	6	54	12
M 16 x 1.5/K/8	3 - 8	5306031	5306131	50	M 16x1.5/K/8	19	6	64	16
M 20 x 1.5/K/7	3 - 7	5306032	5306132	50	M 20x1.5/K/7	24	8	88	20
M 20 x 1.5/K/12	5.5 - 12	5306033	5306133	50	M 20x1.5/K/12	24	8	88	20
<b>NPT</b>									
NPT 3/8"/8	3 - 8	5306050	5306150	50	NPT 3/8"/8	19/22	15	64	17.1
NPT 1/2"/7	3 - 7	5306051	5306151	50	NPT 1/2"/7	24	15	88	21.2
NPT 1/2"/12	5.5 - 12	5306052	5306152	50	NPT 1/2"/12	24	15	88	21.2