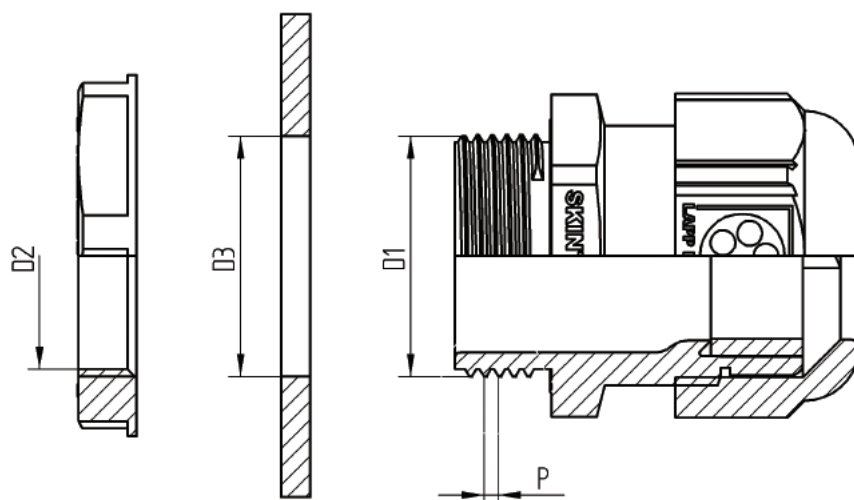


Threading Dimensions & Tightening Values for SKINTOP® Cable Glands



All dimensions are in mm.

Metric Thread Technical Data for Assembly, EN 60423 (for cable glands EN 50 262)

METRIC THREAD	Core Diameter D1	Pitch P	Outside Diameter D2	Nominal thread Bore Diameter D3
M12 x 1.5	12	1.50	10.6	12.3 - 0.2
M16 x 1.5	16	1.50	14.6	16.3 - 0.2
M20 x 1.5	20	1.50	18.6	20.3 - 0.2
M25 x 1.5	25	1.50	23.6	25.3 - 0.2
M32 x 1.5	32	1.50	30.6	32.3 - 0.2
M40 x 1.5	40	1.50	38.6	40.4 - 0.3
M50 x 1.5	50	1.50	48.6	50.4 - 0.3
M63 x 1.5	63	1.50	61.6	63.4 - 0.3

PG Thread Technical Data for Assembly DIN 40430

PG-THREAD	Core Diameter D1	Pitch P	Outside Diameter D2	Nominal thread Bore Diameter D3
PG 7	12.5	1.270	11.3	13.0 ± 0.2
PG 9	15.2	1.410	13.9	15.7 ± 0.2
PG 11	18.6	1.410	17.3	19.0 ± 0.2
PG 13	20.4	1.410	19.1	21.0 ± 0.2
PG 16	22.5	1.410	21.2	23.0 ± 0.2
PG 21	28.3	1.558	26.8	28.8 ± 0.2
PG 29	37.0	1.558	35.5	37.5 ± 0.3
PG 36	47.0	1.558	45.5	47.5 ± 0.3
PG 42	54.0	1.558	52.5	54.5 ± 0.3
PG 48	59.3	1.558	57.8	59.8 ± 0.3

NPT Thread Technical Data for Assembly ASA B2.1-1945

NPT-THREAD	Core Diameter D1	Pitch P	Nominal thread Bore Diameter D3
NPT 1/4"	13.7	1.41	14.0 - 0.2
NPT 3/8"	17.1	1.41	17.4 - 0.2
NPT 1/2"	21.3	1.81	21.6 - 0.2
NPT 3/4"	26.7	1.81	27.0 - 0.2
NPT 1"	33.4	2.21	33.7 - 0.2
NPT 1 1/4"	42.2	2.21	42.5 - 0.2
NPT 1 1/2"	48.3	2.21	48.7 - 0.2
NPT 2"	60.3	2.21	60.7 - 0.2

Threading Dimensions & Tightening Values for SKINTOP® Cable Glands

Tightening Torque* Metric

Metric SKINTOP® recommended tightening torque for attainment of protection category IP 68-5 bar and strain relief category A acc. to EN 50262

METRIC THREAD	Tightening torque in Nm	
	Polymer	Metal
M12 x 1.5	1.5	8
M16 x 1.5	3.0	10
M20 x 1.5	6.0	12
M25 x 1.5	8.0	12
M32 x 1.5	10.0	18
M40 x 1.5	13.0	18
M50 x 1.5	15.0	20
M63 x 1.5	16.0	20
M63 Plus	--	30

Not for ATEX Glands

Tightening torque values to DIN/VDE 0619, Point 7. (PG & NPT Cable Glands)

PG THREAD	NPT THREAD	Torque for intermediary in Nm		Torque for cap nut	
		Polymer	Metal	Polymer	Metal
PG 7		2.5	6.25	1.7	4.2
PG 9	NPT 3/8"	3.75	6.25	2.5	4.2
PG 11		3.75	6.25	2.5	4.2
PG 13	NPT 1/2"	3.75	6.25	2.5	4.2
PG 16		5.0	7.50	3.3	5.0
PG 21	NPT 3/4"	7.5	10.0	5.0	6.7
PG 29	NPT 1"	7.5	10.0	5.0	6.7
PG 36		7.5	10.0	5.0	6.7
PG 42		7.5	10.0	5.0	6.7
PG 48		7.5	10.0	5.0	6.7

* Reference: Above values are tightening torques for the intermediary, as well as maximum tightening torques for the cap nuts. To prevent damage of the outer sheath, please note that the different cable materials require various torques.

Fitting dimensions and widths across flats

The diameter SW indicates the wrenching flats. The diameter A indicates the assembly space required for the relevant hexagon. This diameter corresponds to the width across the corner of the hexagon, plus an assembly tolerance.

Dimensions are mm²

SW	A	SW	A	SW	A
9	10.4	26	29.5	46	52.5
11	12.5	27	30.6	47	52.5
13	14.9	28	31.8	50	58.3
14	16.0	29	32.5	53	60.0
15	17.1	30	34.0	54	61.0
16	18.2	32	36.2	55	62.0
17	19.4	33	37.2	57	64.4
18	20.4	36	40.5	60	67.5
19	22.0	37	41.5	64	72.3
20	22.7	39	44.0	65	73.1
21	23.9	40	45.2	66	74.5
22	25.0	41	46.1	67	74.5
24	27.3	42	47.0		
25	28.3	45	51.2		

