

Technical Data - Cord Grips & Accessories

Torque Values for Metal Cable Glands

Cable Gland Nickel Plated Brass (NPT)	CAP BODY LOCK NUT			Body to Enclosure or locknut to body* (Min Torque Value to Ensure Declared IP rate)		Locknut thickness
	Cable Range (mm)	Recommended tightening torque		Recommended tightening torque		Height (mm)
		Nm	Tolerance	Nm	Tolerance	
NPT 1/4"	3 - 6.5	5.0	± 0.5	3.0	± 0.5	7.0
NPT 3/8"	5 - 10	6.5	± 0.5	3.0	± 0.5	7.0
NPT 1/2"	6 - 12	17.5	± 0.5	3.0	± 0.5	7.0
NPT 1/2"	10 - 14	15.0	± 0.5	4.0	± 0.5	7.0
NPT 3/4"	13 - 18	17.0	± 0.5	5.5	± 0.5	7.0
NPT 1"	18 - 25	40.0	± 1.0	8.0	± 0.5	7.0
NPT 1 1/4"	22 - 32	40.0	± 1.0	10.0	± 0.5	7.0
NPT 1 1/2"	30 - 38	45.0	± 1.0	16.0	± 0.5	7.0

Cable Gland Nickel Plated Brass (Metric)	CAP BODY LOCK NUT			Body to Enclosure or locknut to body* (Min Torque Value to Ensure Declared IP rate)		Locknut thickness
	Cable Range (mm)	Recommended tightening torque		Recommended tightening torque		Height (mm)
		Nm	Tolerance	Nm	Tolerance	
M12 X 1.5	3 - 6.5	5.0	± 0.5	3.0	± 0.5	2.8
M16 x 1.5	4 - 8.0	6.5	± 0.5	4.0	± 0.5	3.0
M16 x 1.5	5 - 10	6.0	± 0.5	4.0	± 0.5	3.0
M20 x 1.5	6 - 12	8.0	± 0.5	5.5	± 0.5	3.5
M20 x 1.5	10 - 14	11.0	± 0.5	6.0	± 0.5	3.5
M20 x 1.5	7 - 13	15.0	± 0.5	7.5	± 0.5	3.5
M25 x 1.5	10 - 14	11.0	± 0.5	6.0	± 0.5	4.0
M25 x 1.5	13 - 18	17.0	± 0.5	6.0	± 0.5	4.0
M32 x 1.5	13 - 18	17.0	± 0.5	6.0	± 0.5	5.0
M32 x 1.5	18 - 25	28.0	± 1.0	6.0	± 0.5	5.0
M40 x 1.5	18 - 25	30.0	± 1.0	12.0	± 0.5	5.0
M40 x 1.5	22 - 32	41.0	± 1.0	12.0	± 0.5	5.0
M50 x 1.5	22 - 32	42.0	± 1.0	18.0	± 0.5	5.0
M50 x 1.5	34 - 44	50.0	± 1.0	18.0	± 0.5	6.0
M63 x 1.5	34 - 44	55.0	± 2.0	25.0	± 1.0	6.0
M63 x 1.5	37 - 53	100.0	± 2.0	25.0	± 1.0	6.0

Cable Gland Nickel Plated Brass (PG)	CAP BODY LOCK NUT			Body to Enclosure or locknut to body* (Min Torque Value to Ensure Declared IP rate)		Locknut thickness
	Cable Range (mm)	Recommended tightening torque		Recommended tightening torque		Height (mm)
		Nm	Tolerance	Nm	Tolerance	
PG 7	3 - 6.5	5.0	± 0.5	3.0	± 0.5	2.8
PG 9	4 - 8.0	6.0	± 0.5	4.0	± 0.5	2.8
PG 11	5 - 10	7.0	± 0.5	5.0	± 0.5	3.0
PG 13.5	6 - 12	8.0	± 0.5	5.5	± 0.5	3.0
PG 16	10 - 14	11.0	± 0.5	7.0	± 0.5	3.0
PG 21	13 - 18	17.0	± 0.5	10.0	± 0.5	3.5
PG 29	18 - 25	30.0	± 0.5	15.0	± 0.5	4.0
PG 36	22 - 32	42.0	± 0.5	20.0	± 0.5	5.0
PG 42	30 - 38	45.0	± 0.5	27.0	± 0.5	5.0
PG 48	34 - 44	50.0	± 1.0	35.0	± 0.5	5.5

* When locknut is used, the screwing length must be at 1.5 times the locknut thickness.

** When a threaded enclosure is used, the wall thickness must be at least equal to the locknut thickness