

Technical Data - Cord Grips & Accessories

Torque Values for CG EMC-4 Nickel Plated Brass 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 3/8" | 5 - 10 | 6.0 | ± 0.5 | 6.0 | ± 0.5 | 7.0 |
| NPT 1/2" | 6 - 12 | 8.0 | ± 1.0 | 8.0 | ± 1.0 | 7.0 |
| NPT 1/2" | 7.5 - 14 | 10.0 | ± 1.0 | 10.0 | ± 1.0 | 7.0 |
| NPT 3/4" | 10 - 18 | 15.0 | ± 1.0 | 15.0 | ± 1.0 | 7.0 |
| NPT 1" | 16 - 25 | 22.0 | ± 1.0 | 22.0 | ± 1.0 | 7.0 |
| NPT 1 1/4" | 22 - 32 | 42.0 | ± 1.0 | 42.0 | ± 1.0 | 7.0 |
| NPT 1 1/2" | 30 - 38 | 42.0 | ± 1.5 | 42.0 | ± 1.5 | 7.0 |
| NPT 2" | 34 - 44 | 43.0 | ± 1.5 | 43.0 | ± 1.5 | 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 | 7.0 | ± 0.5 | 7.0 | ± 0.5 | 2.8 |
| M16 x 1.5 | 5 - 10 | 6.0 | ± 0.5 | 6.0 | ± 0.5 | 3.0 |
| M20 x 1.5 | 6 - 12 | 8.0 | ± 1.0 | 8.0 | ± 1.0 | 3.5 |
| M20 x 1.5 | 7.5 - 14 | 10.0 | ± 1.0 | 10.0 | ± 1.0 | 3.5 |
| M25 x 1.5 | 10 - 18 | 15.0 | ± 1.0 | 15.0 | ± 1.0 | 4.0 |
| M32 x 1.5 | 16 - 25 | 22.0 | ± 1.0 | 22.0 | ± 1.0 | 5.0 |
| M40 x 1.5 | 22 - 32 | 42.0 | ± 1.0 | 42.0 | ± 1.0 | 5.0 |
| M50 x 1.5 | 30 - 38 | 42.0 | ± 1.5 | 42.0 | ± 1.5 | 5.0 |
| M63 x 1.5 | 34 - 44 | 43.0 | ± 1.5 | 43.0 | ± 1.5 | 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 | 7.0 | ± 0.5 | 7.0 | ± 0.5 | 2.8 |
| PG 11 | 5 - 10 | 6.0 | ± 0.5 | 6.0 | ± 0.5 | 3.0 |
| PG 13.5 | 6 - 12 | 8.0 | ± 1.0 | 8.0 | ± 1.0 | 3.0 |
| PG 16 | 7.5 - 14 | 10.0 | ± 1.0 | 10.0 | ± 1.0 | 3.0 |
| PG 21 | 10 - 18 | 15.0 | ± 1.0 | 15.0 | ± 1.0 | 3.5 |
| PG 29 | 16 - 25 | 22.0 | ± 1.0 | 22.0 | ± 1.0 | 4.0 |
| PG 36 | 22 - 32 | 42.0 | ± 1.0 | 42.0 | ± 1.0 | 5.0 |
| PG 42 | 30 - 38 | 42.0 | ± 1.5 | 42.0 | ± 1.5 | 5.0 |
| PG 48 | 34 - 44 | 43.0 | ± 1.5 | 43.0 | ± 1.5 | 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