

Maximum recommended tightening torques for PMA fittings including Jacob PERFECT strain relief elements



Maximum recommended torques

The tightening torque values quoted below for PMA fittings with Jacob PERFECT Dicht strain relief elements are absolute maximum values. Torque values should be adjusted for the type of cable and sealing insert in use but should not exceed the listed values.

Please ensure correct size tooling is used to apply the tightening torque to avoid damage to the fitting body.

These apply for:

- The strain relief element compression thread
- The termination thread
- Lock nuts attached to the termination thread

*The following values apply for PMA fittings with metric termination thread and correspond to the Jacob recommended tightening torques for PERFECT cable glands with metric connecting thread.

Metric* Thread size	Metal / Metall NVNZ-MxxxS-xx / NVEZ-MxxxV-xx NKNZ-MxxxS-xx / NKEZ-Mxxx-xx Necessary to fulfill IEC EN 62444 (Nm)	Metric* Thread size	Polyamide / Polyamid S/BVNZ-MxxxS Necessary to fulfill IEC EN 62444 (Nm)
	M12		3.5
M16	3.5	M16	2.5
M20	3.5	M20	3.5
M25	6.7	M25	5.0
M32	12.0	M32	5.0
M40	13.5	M40	7.5
M50	16.0	M50	7.5
M63	15.0	M63	13.0

*The following values apply for PMA fittings with metric termination thread and correspond to the Jacob recommended tightening torques for PERFECT cable glands with PG termination thread.

PG* Thread size Gewindegrösse	Metal / Metall NVNZ-PxxxS / NVEZ-PxxxV (Nm)	PG* Thread size Gewindegrösse	Polyamide / Polyamid S/BVNZ-PxxxS (Nm)
	PG07		6.25
PG09	6.25	PG09	3.75
PG11	6.25	PG11	3.75
PG13,5	6.25	PG13.5	3.75
PG16	7.5	PG16	5.0
PG21	10.0	PG21	7.5
PG29	10.0	PG29	7.5
PG36	10.0	PG36	7.5
PG48	10.0	PG48	7.5

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