

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 termination 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 PG 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

The specifications and instructions for our customers in this document reflect the product engineering level at the time of manufacturing. Please consider the valid data sheet release at a time. For questions please contact the PMA customer service. ABB Switzerland, PMA Cable Protection accepts no liability for damages resulting from unprofessional installation or application or misuse for a purpose. This disclaimer also includes damages to third parties. It is the customer's responsibility to check the delivered products and immediately notify ABB Switzerland, PMA Cable Protection of detected faults. It is also the customer's responsibility to test the delivered product on its applicability for the intended purpose. ABB Switzerland, PMA Cable Protection will accept no liability or responsibility for their products if a product or a PMA system is combined or used together with third-party products, i.e. products from other companies than ABB Switzerland, PMA Cable Protection. Jurisdiction in all legal disputes concerning product liability have the courts of the canton of Zurich/Switzerland. Swiss law applies. For more information and the newest data sheet releases go to: www.pma.ch

ABB Switzerland Ltd
PMA Cable Protection
Aathalstrasse 90
CH-8610 Uster, Switzerland

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilisation of its contents – in whole or in parts – is forbidden without prior written consent of ABB AG. Copyright © 2021 ABB
All rights reserved