Type KGM (plastic lock nut)





Product information

The type KGM plastic lock nut is made of self-extinguishing polyamide and is available with metric or Pg thread. Usable for all corresponding conduit and cable fittings, preferably with plastic threads.

Information, conformities and approvals

HF RoHS

Article	Order No.	Color	IG	EH mm	SW 1 mm	PU pcs.
KGM M12x1,5	83727250	Black	M12x1,5	5	17	100
KGM M16x1,5	83727252	Black	M16x1,5	5	22	100
KGM M20x1,5	83727254	Black	M20x1,5	6	26	100
KGM M25x1,5	83727256	Black	M25x1,5	6	32	100
KGM M32x1,5	83727258	Black	M32x1,5	7	41	100
KGM M40x1,5	83727260	Black	M40x1,5	7	50	50
KGM M50x1,5	83727262	Black	M50x1,5	8	60	50
KGM M63x1,5	83727264	Black	M63x1,5	8	75	50
KGM M12x1,5	83727210	Gray	M12x1,5	5	17	100
KGM M16x1,5	83727212	Gray	M16x1,5	5	22	100
KGM M20x1,5	83727214	Gray	M20x1,5	6	26	100
KGM M25x1,5	83727216	Gray	M25x1,5	6	32	100
KGM M32x1,5	83727218	Gray	M32x1,5	7	41	100

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Article	Order No.	Color	IG	EH mm	SW 1 mm	PU pcs.
KGM M40x1,5	83727220	Gray	M40x1,5	7	50	50
KGM M50x1,5	83727222	Gray	M50x1,5	8	60	50
KGM M63x1,5	83727224	Gray	M63x1,5	8	75	50
KGM PG07	83722250	Black	PG 07	5	19	100
KGM PG09	83722252	Black	PG 09	6	22	100
KGM PG11	83722254	Black	PG 11	6	24	100
KGM PG13.5	83722256	Black	PG 13,5	6	27	100
KGM PG16	83722258	Black	PG 16	6	30	100
KGM PG21	83722260	Black	PG 21	7	36	100
KGM PG29	83722262	Black	PG 29	7	46	50
KGM PG36	83722264	Black	PG 36	8	60	25
KGM PG42	83722266	Black	PG 42	8	65	25
KGM PG48	83722268	Black	PG 48	8	70	25
KGM PG07	83722210	Gray	PG 07	5	19	100
KGM PG09	83722212	Gray	PG 09	6	22	100
KGM PG11	83722214	Gray	PG 11	6	24	100
KGM PG13.5	83722216	Gray	PG 13,5	6	27	100
KGM PG16	83722218	Gray	PG 16	6	30	100
KGM PG21	83722220	Gray	PG 21	7	36	100
KGM PG29	83722222	Gray	PG 29	7	46	50
KGM PG36	83722224	Gray	PG 36	8	60	25
KGM PG42	83722226	Gray	PG 42	8	65	25
KGM PG48	83722228	Gray	PG 48	8	70	25

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Material properties

mod. polyamide PA 6

Thermal properties

Temperature / temperature range

-30 °C – 100 °C / short term: 130 °C

Fire properties

Fire classification

acc. to UL94: HB self-extinguishing

Chemical resistances

Resistant to:

Alcohol
Greases
Fuels
Mineral oils

Technical information

Halogen-free

Conformity

RoHS (EC Directive 2011/65/EU)

Classification

ETIM 9: EC000940
ECLASS 14: 23110702

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Recommended torques for **murrplastik connectors, corrugated conduits and cable fittings**





holders, lock nuts and reducers







murrplastik®
Simply Smart Systems

Recommended torques for

murrplastik connectors, corrugated conduits and cable fittings, holders, lock nuts and reducers

Fastening with lock nut

Metric thread EN 60423	Connecting thread and lock nut made of polyamide	Connection thread and lock nut made of metal
M12x1.5	2.0 Nm	5.0 Nm
M16x1.5	3.0 Nm	7.0 Nm
M20x1.5	4.0 Nm	8.0 Nm
M25x1.5	5.0 Nm	10.0 Nm
M32x1.5	6.0 Nm	12.0 Nm
M40x1.5	11.0 Nm	16.0 Nm
M50x1.5	15.0 Nm	17.0 Nm
M63x1.5	16.0 Nm	18.0 Nm

Pg thread DIN 40430	Connecting thread and lock nut made of polyamide	Connection thread and lock nut made of metal
Pg 7	2.0 Nm	4.0 Nm
Pg 9	2.5 Nm	4.0 Nm
Pg 11	3.5 Nm	6.0 Nm
Pg 13.5	4.0 Nm	7.0 Nm
Pg 16	4.5 Nm	8.0 Nm
Pg 21	7.5 Nm	10.0 Nm
Pg 29	9.0 Nm	13.0 Nm
Pg 36	14.0 Nm	15.0 Nm
Pg 42	15.0 Nm	16.0 Nm
Pg 48	16.0 Nm	17.0 Nm

Please note the following information:

- The specified tightening torques are maximum values and should not be exceeded.
- The values are based on measurements under normal climate conditions (23°C / 50% rel. humidity). During assembly and operation, the prevailing climatic conditions should also be taken into account, as these can affect the properties of the components.
- Please consider the properties of the other components with which the murrplastik elements are connected.
- Locking and sealing elements tightened with a lower torque provide better long-term strength.

Recommended torques for

Screws and nuts

Torques for screws and nuts

Thread size	Torques
M4	2.0 Nm
M5	3.0 Nm
M6	4.0 Nm
M8	10.0 Nm
M10	15.0 Nm

Product examples from our webshop range



Series m-pro

on to the product

shop.murrplastik.de



Series m-fix

on to the product

shop.murrplastik.de



UHE Holder

on to the product

shop.murrplastik.de

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