



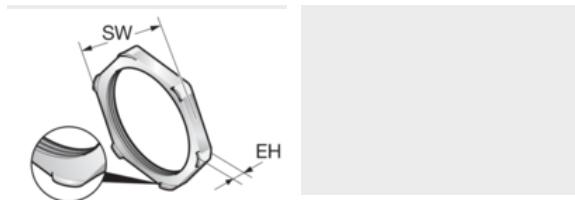
## Type GM EMV (metal locknut for EMC applications)



### Product information

The GM EMV lock nut is available with a metric or Pg thread and has special cutting edges. These cutting edges are required to "cut through" the paint layers, for example on the control cabinet, ensuring optimum contact with the housing.

### Information, conformities and approvals



| Article        | Order No. | Color  | IG      | EH<br>mm | SW 1<br>mm | PU<br>pcs. |
|----------------|-----------|--------|---------|----------|------------|------------|
| GM EMV M12x1,5 | 83727050  | Silver | M12x1,5 | 3.3      | 15         | 100        |
| GM EMV M16x1,5 | 83727052  | Silver | M16x1,5 | 3.5      | 19         | 100        |
| GM EMV M20x1,5 | 83727054  | Silver | M20x1,5 | 3.6      | 24         | 100        |
| GM EMV M25x1,5 | 83727056  | Silver | M25x1,5 | 5.2      | 30         | 50         |
| GM EMV M32x1,5 | 83727058  | Silver | M32x1,5 | 4        | 36         | 50         |
| GM EMV M40x1,5 | 83727060  | Silver | M40x1,5 | 4.6      | 46         | 50         |
| GM EMV M50x1,5 | 83727062  | Silver | M50x1,5 | 5.5      | 60         | 10         |
| GM EMV M63x1,5 | 83727064  | Silver | M63x1,5 | 6.7      | 70         | 10         |
| GM EMV Pg07    | 83722050  | Silver | Pg 07   | 3.3      | 16.5       | 100        |
| GM EMV Pg11    | 83722054  | Silver | Pg 11   | 3.5      | 21         | 100        |
| GM EMV Pg13,5  | 83722056  | Silver | Pg 13,5 | 3.5      | 23         | 100        |
| GM EMV Pg16    | 83722058  | Silver | Pg 16   | 3.5      | 26         | 100        |
| GM EMV Pg21    | 83722060  | Silver | Pg 21   | 4        | 32         | 50         |



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|-------------|-----------|--------|-------|----------|------------|------------|
| GM EMV PG36 | 83722064  | Silver | PG 36 | 5.6      | 51         | 25         |
| GM EMV PG42 | 83722066  | Silver | PG 42 | 5.6      | 60         | 10         |
| GM EMV PG48 | 83722068  | Silver | PG 48 | 6.1      | 64         | 10         |

### Material properties



Brass nickel-plated

### Chemical resistances



Resistant to:  
Alcohol  
Greases  
Fuels  
Mineral oils  
Lyes  
Weak acids

### 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**





Recommended torques for  
**murrplastik connectors, corrugated conduits and cable fittings,  
holders, lock nuts and reducers**

**Fastening with lock nut**

| <b>Metric thread<br/>EN 60423</b> | <b>Connecting thread and lock nut<br/>made of polyamide</b> | <b>Connection thread and lock nut<br/>made of metal</b> |
|-----------------------------------|---|---|
| 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   |

| <b>Pg thread<br/>DIN 40430</b> | <b>Connecting thread and lock nut<br/>made of polyamide</b> | <b>Connection thread and lock nut<br/>made of metal</b> |
|--------------------------------|---|---|
| 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**



**Series m-fix**



**UHE Holder**

on to the product

[shop.murrplastik.de](http://shop.murrplastik.de)

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