



## Type KFW-Jumbo (90° flange connection)

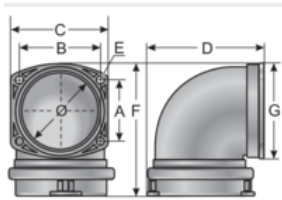


### Product information

The KFW-Jumbo flange connections are made of specially modified polyamide. The material is halogen, phosphor and cadmium-free. The KFW-Jumbo flange connections feature the following advantages:

- Split ring makes assembly easy
- Tightness of IP 52 without DS seal
- Tightness of IP 65 with DS seal (DS seal must be ordered separately if required)
- Dimensionally stable connection ring ensures high tear-out strength
- Safety clips ensure protection against connection ring opening by itself
- O-ring for fastening flange included in delivery

### Information, conformities and approvals



Article	Order No.	Color	UV	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Ø mm	PU pcs.
KFW 56	83681220	Black	✓	60	66	85	101	6.5	118	85	66	1
KFW 70	83681213	Black	✓	60	80	96	110	7	137	94	77	1
KFW 80	83681215	Black	✓	74	108	127	144	7	167	128	111	1
KFW 95	83681214	Black	✓	74	108	127	144	7	167	128	111	1
KFW 56	83681208	Gray	✗	60	66	85	101	6.5	118	85	66	1
KFW 70	83681210	Gray	✗	60	80	96	110	7	137	94	77	1
KFW 80	83681211	Gray	✗	74	108	127	144	7	167	128	111	1
KFW 95	83681212	Gray	✗	74	108	127	144	7	167	128	111	1

Accessories												
SC m-jumbo	83681022	Red	✗									10

### Material properties



UL listed material mod. polyamide PA 6 mod. polyamide PA 6



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### Thermal properties



Temperature / temperature range  
-40 °C - 110 °C / short term: 140 °C

### Protection class



Protection class  
IP52  
IP65 with sealing ring DS

### Fire properties



Fire classification  
acc. to UL94: V0 self-extinguishing



Fire properties as per EN 45545-2  
C.I.T. R22 / R23 HL3 :0.58 EN 17084  
Ds (max.) R22 / R23 HL3 :57 ISO 5659-2 (25 KW/m²)  
LOI R22 / R23 HL3 :≥ 32 % ISO 4589-2



Fire properties as per NFPA  
ASTM E 162  
ASTM E 1354  
ASTM E 662  
Boeing BSS 7239  
Boeing BSS 7242  
Bombardier SMP 800-C

### Chemical resistances



Resistant to:  
Alcohol  
Greases  
Fuels  
Mineral oils

### Technical information



Halogen-free

### Conformity



RoHS (EC Directive 2011/65/EU)

### Approvals and operating permits



cURus approval



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### Classification

ETIM 9: EC001176  
ECLASS 14: 27430312

### General information



Made in Germany

# 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

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](https://shop.murrplastik.de)



**Series m-fix**

on to the product

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



**UHE Holder**

on to the product

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

More info at

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

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More info at

[murrplastik.de](https://murrplastik.de)