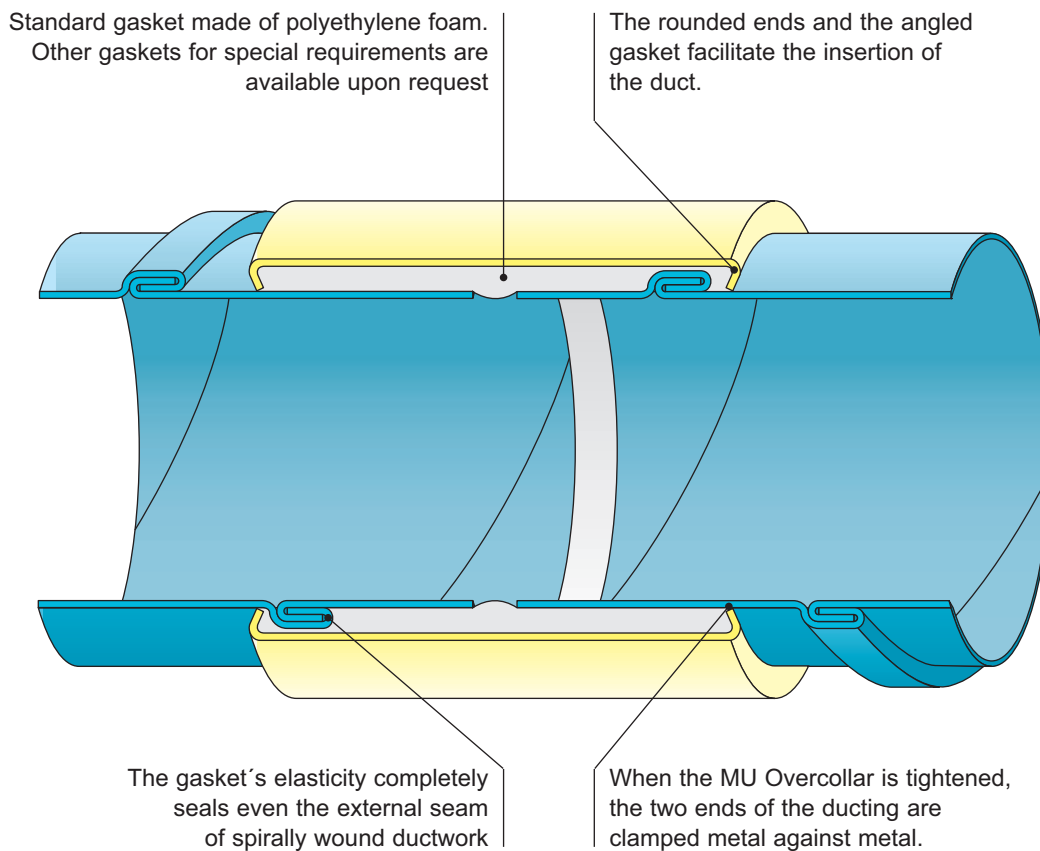




- **Economical connection for small duct diameters.**
- **A one-bolt fixing system ensures a rapid and trouble-free assembly.**
- **Flexible: differences up to 4 mm in duct diameters are covered.**
- **No projections inside the duct (textile industry).**
- **Inaccurate duct ends are securely connected.**
- **Can be easily disassembled.**
- **No preparation of the duct ends necessary.**
- **For duct diameters from 71 up to 315 mm*.**




(*) For very stable ducts (for example double-walled ductwork) the MU Overcollars are also available for bigger duct-Ø.

Additional Information:

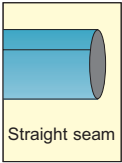
TÜV Test reports regarding equipotential bonding and the use of the MU Overcollars available upon request (only available in German).

APPLICATIONS

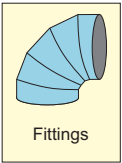
Suitable for:



Spirally wound

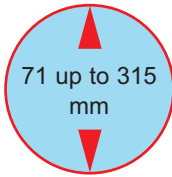


Straight seam




Fittings

Duct-Ø




71 up to 315 mm


Not suitable for:



Turned out edge



Fittings with turned out edge



Stiffening ribs

The MU Overcollar is not suitable for duct-Ø larger than 315 mm, because the radial pressure exerted by the Overcollar may deform the ductwork. Exceptions are double-walled and heavy gage ductwork for which larger MU Overcollar diameters are available upon request.

Stability:
When the Overcollar is fully tightened, the ductwork is held rigid, both longitudinally as well as to impede deflection or bending.

The tensile strength in the axial direction is very high. On a smooth duct wall of 100 mm duct-Ø for instance, 110 kg are necessary to separate the ducts. The separation force required is much higher for larger diameter ductwork and spirally wound ductwork. This rigidity is a fundamental benefit when compared with simple push-in connectors. It simplifies the installation of the ductwork while enabling considerable cost and time savings!

Air-tightness:
Tests conducted by the independent English BSRIA Institute are proving the fact that correctly installed MU Overcollars on good quality ductwork reach Class D air-tightness requirements according to DIN EN 12237 (EUROVENT D). For normal applications the Class C requirements are reached without difficulty.

Because of the very large gasket surface the seal remains efficient even if the ends of the duct are not fully inserted (min. 20 mm are necessary), if they are not squarely cut, or if they are damaged at some places.

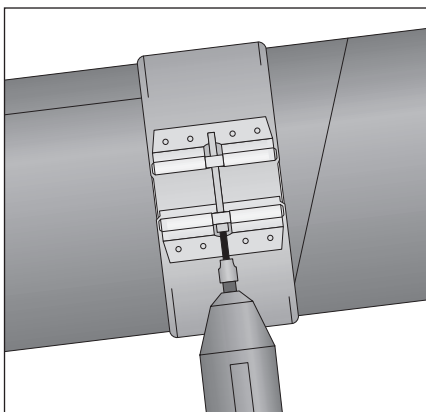
There is a very small gap along one side of the duct seam on spirally wound ductwork which cannot be fully sealed by the gasket. To achieve higher air-tightness requirements just apply some mastic at one point along the seam.

Pressure classes:
Using MU Overcollars with higher pressures is only limited by the stability and roundness of the ductwork. For normal, non-damaged ducts, the following pressures are applicable:

3.000 Pa positive pressure inside the duct: from duct-Ø 71 up to 315 mm
 2.000 Pa negative pressure inside the duct: from duct-Ø 71 up to 150 mm
 1.000 Pa negative pressure inside the duct: from duct-Ø 71 up to 315 mm

Drag and noise: Because the duct ends are embedded in the gasket there are no projections inside the duct which could hinder the air flow. Therefore noise and dirt accumulations are avoided. Furthermore the air flow direction does not need to be taken into consideration..

INSTRUCTIONS



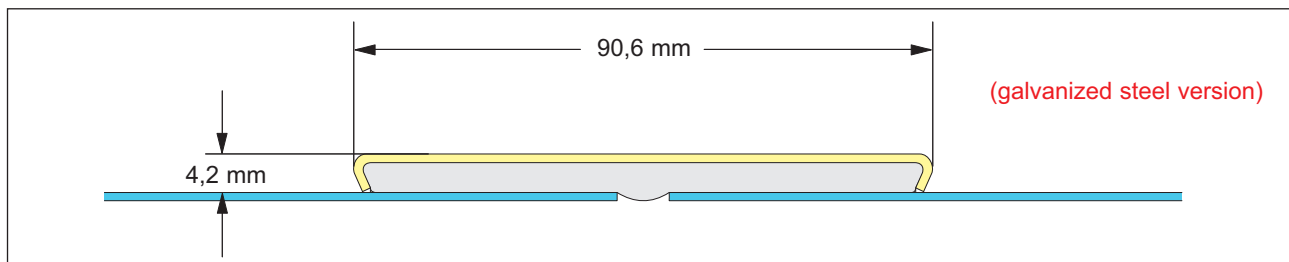
Fitting the MU Overcollar is very simple:
Push both duct sections inside the Overcollar making sure that a distance between 8 mm (min.) and 25 mm (max.) is left between the duct ends. The insertion depth should be approximately the same for each duct section. Duct-Ø differences up to 4 mm are covered.

The Overcollar can be rotated before tightening the clamping bolt for esthetical or practical purposes.
Tighten the clamping bolt forcefully using an impact wrench, power screwdriver or hand socket wrench until the peened over ends of the Overcollar are tight to the duct, metal to metal. The overcollar edges should be embedded into the duct seams.

If needed the clamping bolt can be shortened by cutting.

Maximum torque: 5 Nm

DIMENSIONS



DESIGNATION

MU with PE gasket PE: Polyethylene		MU with KF gasket KF: Ceramic Wool		MU with EPDM gasket EPDM		
Art.No.	Description	Art.No.	Description	Art.No.	Description	for duct Ø
B11A-1001	MU 7 galv with PE	B11A-1101	MU 7 galv with KF	B11A-1301	MU 7 galv + EPDM	71 mm
B11A-1002	MU 8 galv with PE	B11A-1102	MU 8 galv with KF	B11A-1302	MU 8 galv + EPDM	80 mm
B11A-1003	MU 9 galv with PE	B11A-1103	MU 9 galv with KF	B11A-1303	MU 9 galv + EPDM	90 mm
B11A-1004	MU 10 galv with PE	B11A-1104	MU 10 galv with KF	B11A-1304	MU 10 galv + EPDM	100 mm
B11A-1005	MU 11 galv with PE	B11A-1105	MU 11 galv with KF	B11A-1305	MU 11 galv + EPDM	112 mm
B11A-1006	MU 12 galv with PE	B11A-1106	MU 12 galv with KF	B11A-1306	MU 12 galv + EPDM	125 mm
B11A-1007	MU 14 galv with PE	B11A-1107	MU 14 galv with KF	B11A-1307	MU 14 galv + EPDM	140 mm
B11A-1008	MU 15 galv with PE	B11A-1108	MU 15 galv with KF	B11A-1308	MU 15 galv + EPDM	150 mm
B11A-1009	MU 16 galv with PE	B11A-1109	MU 16 galv with KF	B11A-1309	MU 16 galv + EPDM	160 mm
B11A-1010	MU 18 galv with PE	B11A-1110	MU 18 galv with KF	B11A-1310	MU 18 galv + EPDM	180 mm
B11A-1011	MU 20 galv with PE	B11A-1111	MU 20 galv with KF	B11A-1311	MU 20 galv + EPDM	200 mm
B11A-1012	MU 22 galv with PE	B11A-1112	MU 22 galv with KF	B11A-1312	MU 22 galv + EPDM	224 mm
B11A-1013	MU 25 galv with PE	B11A-1113	MU 25 galv with KF	B11A-1313	MU 25 galv + EPDM	250 mm
B11A-1014	MU 28 galv with PE	B11A-1114	MU 28 galv with KF	B11A-1314	MU 28 galv + EPDM	280 mm
B11A-1015	MU 30 galv with PE	B11A-1115	MU 30 galv with KF	B11A-1315	MU 30 galv + EPDM	300 mm
B11A-1016	MU 31 galv with PE	B11A-1116	MU 31 galv with KF	B11A-1316	MU 31 galv + EPDM	315 mm

MU with PE Stainless Steel with polyethylene		MU with KF Stainless Steel with ceramic wool		MU with EPDM Stainless Steel with EPDM		
Art.No.	Description	Art.No.	Description	Art.No.	Description	for duct Ø
B11B-1001	MU 7 V2A with PE	B11B-1101	MU 7 V2A with KF	B11B-1301	MU 7 V2A + EPDM	71 mm
B11B-1002	MU 8 V2A with PE	B11B-1102	MU 8 V2A with KF	B11B-1302	MU 8 V2A + EPDM	80 mm
B11B-1003	MU 9 V2A with PE	B11B-1103	MU 9 V2A with KF	B11B-1303	MU 9 V2A + EPDM	90 mm
B11B-1004	MU 10 V2A with PE	B11B-1104	MU 10 V2A with KF	B11B-1304	MU 10 V2A + EPDM	100 mm
B11B-1005	MU 11 V2A with PE	B11B-1105	MU 11 V2A with KF	B11B-1305	MU 11 V2A + EPDM	112 mm
B11B-1006	MU 12 V2A with PE	B11B-1106	MU 12 V2A with KF	B11B-1306	MU 12 V2A + EPDM	125 mm
B11B-1007	MU 14 V2A with PE	B11B-1107	MU 14 V2A with KF	B11B-1307	MU 14 V2A + EPDM	140 mm
B11B-1008	MU 15 V2A with PE	B11B-1108	MU 15 V2A with KF	B11B-1308	MU 15 V2A + EPDM	150 mm
B11B-1009	MU 16 V2A with PE	B11B-1109	MU 16 V2A with KF	B11B-1309	MU 16 V2A + EPDM	160 mm
B11B-1010	MU 18 V2A with PE	B11B-1110	MU 18 V2A with KF	B11B-1310	MU 18 V2A + EPDM	180 mm
B11B-1011	MU 20 V2A with PE	B11B-1111	MU 20 V2A with KF	B11B-1311	MU 20 V2A + EPDM	200 mm
B11B-1012	MU 22 V2A with PE	B11B-1112	MU 22 V2A with KF	B11B-1312	MU 22 V2A + EPDM	224 mm
B11B-1013	MU 25 V2A with PE	B11B-1113	MU 25 V2A with KF	B11B-1313	MU 25 V2A + EPDM	250 mm
B11B-1014	MU 28 V2A with PE	B11B-1114	MU 28 V2A with KF	B11B-1314	MU 28 V2A + EPDM	280 mm
B11B-1015	MU 30 V2A with PE	B11B-1115	MU 30 V2A with KF	B11B-1315	MU 30 V2A + EPDM	300 mm
B11B-1016	MU 31 V2A with PE	B11B-1116	MU 31 V2A with KF	B11B-1316	MU 31 V2A + EPDM	315 mm

All in-between diameters from 71 up to 315 mm are available.

MU diameters above 315 mm available upon request and under certain technical conditions.



Information about the different MU Overcollar gaskets can be found in the "Additional Information No. 2 (PE), No. 3 (EPDM) and No. 12 (KF)".