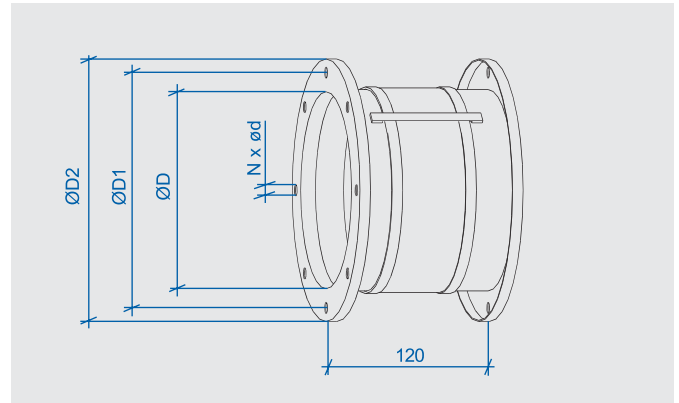
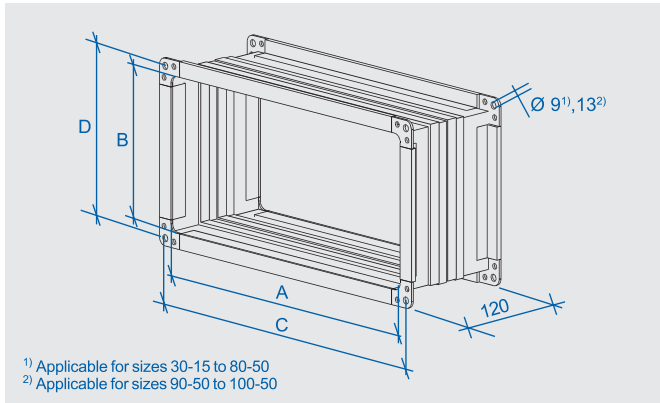


## DV, DK Elastic Connections



	A (mm)	B (mm)	C (mm)	D (mm)	m ±10% (kg)
DV 30-15	300	150	320	170	1,6
DV 40-20	400	200	420	220	2
DV 50-25	500	250	520	270	2,5
DV 50-30	500	300	520	320	2,6
DV 60-30	600	300	620	320	2,9
DV 60-35	600	350	620	370	3
DV 70-40	700	400	720	420	3,5
DV 80-50	800	500	820	520	4
DV 90-50	900	500	930	530	4,3
DV 100-50	1000	500	1030	530	4,7

	D (mm)	D1 (mm)	D2 (mm)	d (mm)	N	m ±10% (kg)
DK 180	180	215	240	10	8	0,40
DK 200	200	235	260	10	8	0,45
DK 225	225	260	285	10	8	0,50
DK 250	250	285	310	10	8	0,55
DK 280	280	315	340	10	8	0,61
DK 315	315	350	375	10	12	0,69
DK 355	355	390	415	10	12	0,77
DK 400	400	445	480	12	12	1,18
DK 560	560	605	640	12	16	1,62

### Application

DV square elastic connections are designed to eliminate the transfer of fan or air-handling unit vibrations to ducting. They also partly eliminate strain and loading caused by thermal dilatation in air-handling ducting.

### Operating Conditions and Position

The range of operating temperatures can be from -30 °C to +80 °C, while the maximum allowed temperature is +100 °C. Elastic connections can be used up to a pressure of 3,000 Pa. They are not designed for mechanical loading, and cannot be used as a supporting part of the assembly. The construction length is 155 mm, while the usable mounting (planning) length is 120 mm.

### Dimensional and Type Range

The DV elastic connections are manufactured in all Vento dimensional ranges, from 30-15 to 100-50.

### Materials

The elastic connection is made of galvanized steel sheets and a PVC sleeve which is reinforced with a polyamide textile. The elastic connection's flanges are interconnected with a copper girdle of 6 mm diameter, to ensure conductive connection of the flanges.

### Installation, Maintenance and Service

Before installation, paste self-adhesive sealing onto the connecting flange face. To connect the elastic connection flanges, use galvanized M8 screws and nuts for dimensions from 90-50, and for 100-50 use M10 screws. It is necessary to ensure conductive connection of the flange using fan-washers placed on both sides at least on one flange connection. To brace the flanges with a side longer than 40 cm, it is advisable to connect them in the middle with another screw clamp which prevents flange bar gapping. The elastic connection must not be mechanically loaded during installation or operation. If installed into a ceiling, space for inspection must be taken into account. Usually once a year, the elastic connections must be checked for tightness of the elastic insert and flexibility of the PVC band.

### Application

DK square elastic connections are designed to eliminate the transfer of fan (RQ or RS inlet) vibrations to ducting. They also eliminate strain and loading caused by thermal dilatation in air-handling ducting.

### Operating Conditions and Position

The same as DV elastic connections.

### Dimensional and Type Range

DK elastic connections are manufactured in nine dimensional ranges, from a diameter of 180 mm to 560 mm.

### Materials

The same as DV elastic connections.

### Installation, Maintenance and Service

Before installation, paste self-adhesive sealing onto the round connecting flange face. To connect the flanges, use galvanized M8 screws and nuts for dimensions up to 355, for dimensions from 400 up use M10 screws. It is necessary to ensure conductive connection of the flange using fan-washers placed on both sides at least on one flange connection. The elastic connection must not be mechanically loaded during installation or operation. If installed into a ceiling, space for inspection must be taken into account. Usually once a year, the elastic connections must be checked for tightness of the elastic insert and flexibility of the PVC band.

