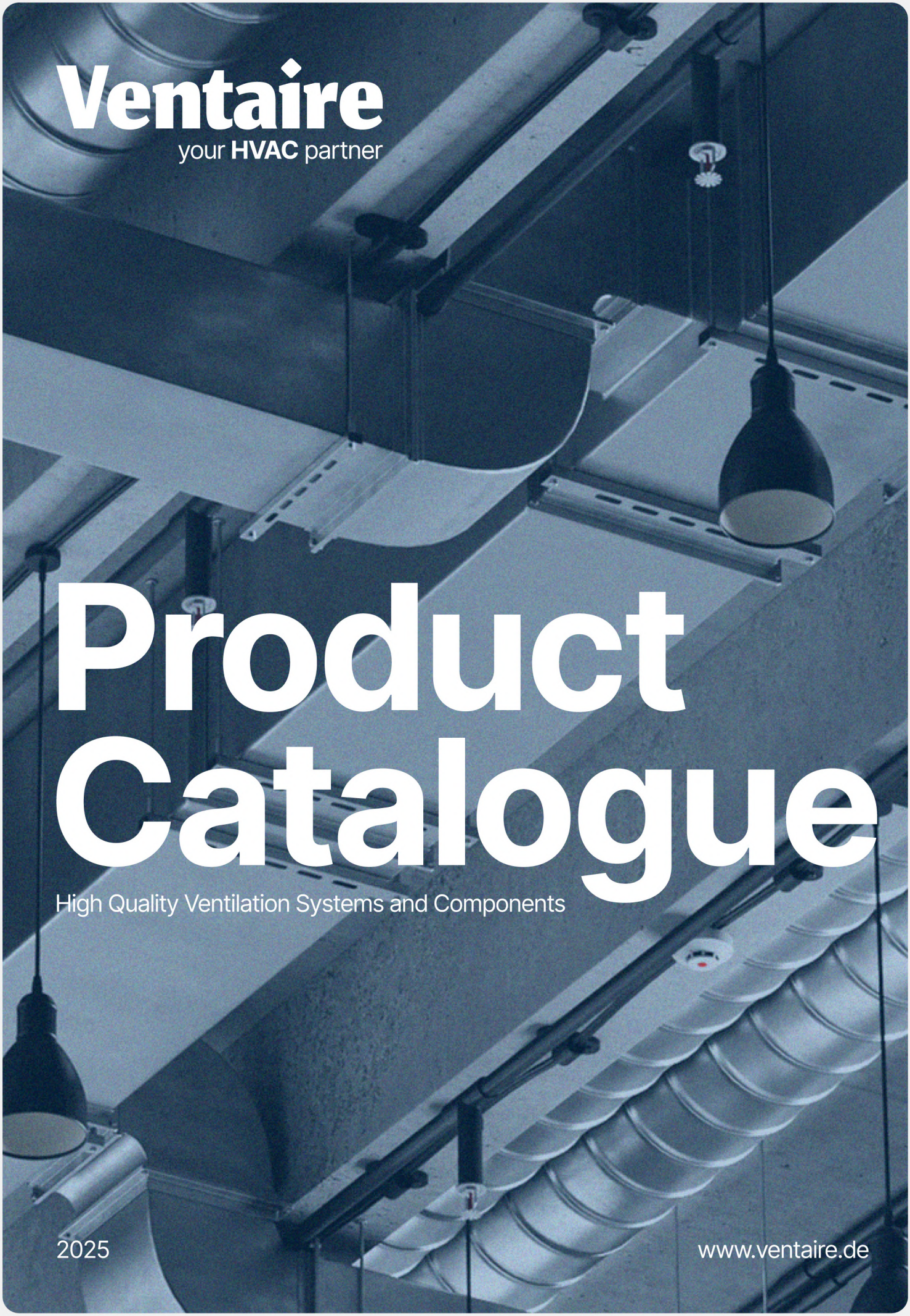


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Product Catalogue

High Quality Ventilation Systems and Components

2025

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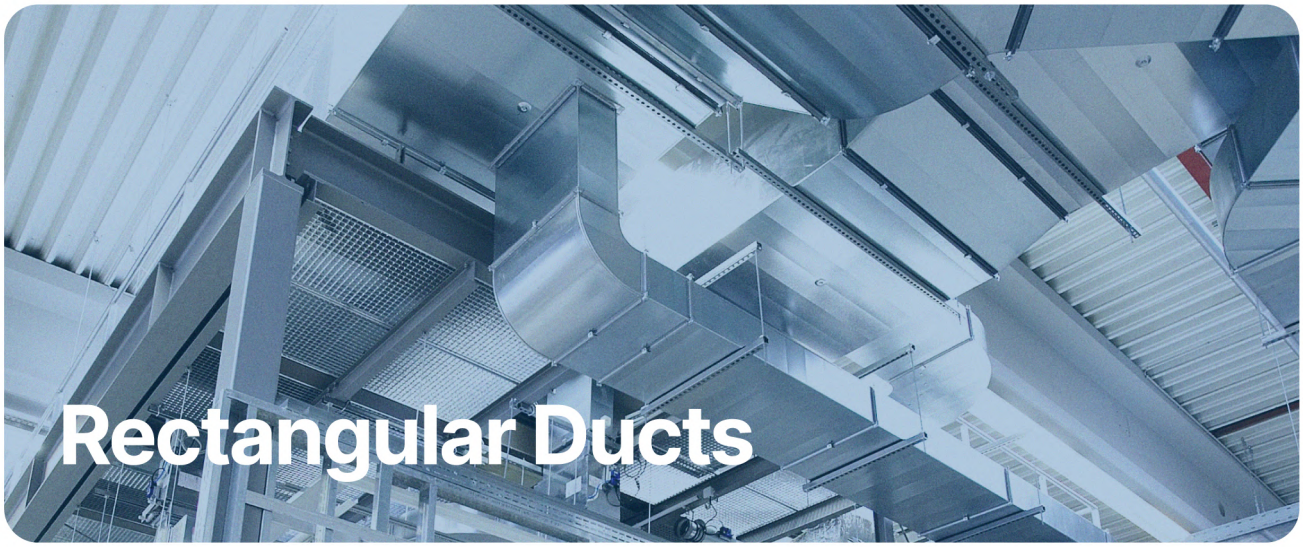
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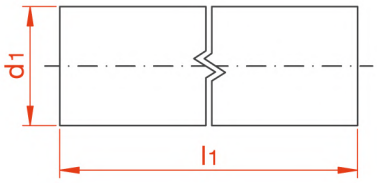
Spiral Ducts



**Manufactured with precision,
ensuring durability and superior airtightness
for efficient airflow and energy savings**

Spiral Duct SD





Technical Description

- **Versatile and Reliable:** Manufactured with high standards, these ducts are suitable for a wide range of applications and deliver reliable performance in any setting, from residential to industrial.
- **High-Quality Manufacturing:** These ducts are produced with precision, ensuring uniform thickness, strength, and smooth finishes for optimal performance and long-term reliability.
- **Durable and Long-Lasting:** Galvanized steel is tough and resistant to wear, ensuring that the ducts hold up well over time, even in demanding environments.
- **Minimal Maintenance:** The smooth, continuous surface of spiral ducts reduces the accumulation of dust, dirt, and debris, minimizing cleaning and maintenance requirements.
- **Improved Structural Integrity:** Spiral ducts offer better mechanical strength due to their continuous, spiral form, making them less prone to deformation under stress or vibration.
- **Seamless Integration with Other Systems:** Their modular design allows for easy integration with other HVAC components, such as diffusers, dampers, and connectors.

Customizable:

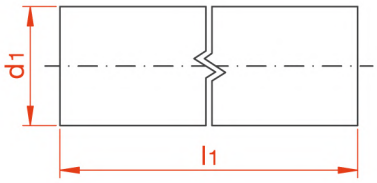
- **Available in custom lengths:** 1500, 2000, 4000, 5000 and 6000 mm
- **Available in thicknesses according to customer specification** between 0.5 and 1.2 mm of galvanized steel.

Available dimensions

Diameter(mm)	Thickness(mm)	Length(mm)
80	0.5 - 0.8	3000
100	0.5 - 0.8	3000
125	0.5 - 0.8	3000
150	0.5 - 0.8	3000
160	0.5 - 0.8	3000
180	0.5 - 0.8	3000
200	0.5 - 0.8	3000
225	0.5 - 0.8	3000
250	0.5 - 0.8	3000
300	0.5 - 0.8	3000
315	0.5 - 0.8	3000
350	0.5 - 0.8	3000
355	0.5 - 0.8	3000
400	0.5 - 0.8	3000
450	0.5 - 0.8	3000
500	0.6 - 1.0	3000
550	0.6 - 1.0	3000
600	0.6 - 1.0	3000

Spiral Duct SD





Available dimensions

Diameter(mm)	Thickness(mm)	Length(mm)
630	0.5 - 0.8	3000
650	0.5 - 0.8	3000
700	0.5 - 0.8	3000
750	0.5 - 0.8	3000
800	0.8 - 1.2	3000
850	0.8 - 1.2	3000
900	0.8 - 1.2	3000
950	0.8 - 1.2	3000
1000	0.8 - 1.2	3000
1050	0.8 - 1.2	3000
1100	0.8 - 1.2	3000
1150	0.8 - 1.2	3000
1200	0.8 - 1.2	3000
1250	0.8 - 1.2	3000
1300	0.8 - 1.2	3000
1350	0.8 - 1.2	3000
1400	0.8 - 1.2	3000
1450	0.8 - 1.2	3000
1500	0.8 - 1.2	3000

Spiral Duct Fittings

Spiral Duct Connector M SDCM



Technical Description

- **Easy Connection:** Male and female connectors allow for a quick and secure connection between two spiral duct sections, minimizing the need for extra parts or complicated fittings.
- **Durable Construction:** Made from the same galvanized steel as the ducts themselves, these connectors are designed to withstand the same conditions and maintain strength over time.
- **Easy Installation:** With simple interlocking mechanisms, male and female connectors make it faster and easier to assemble or disassemble ducts, saving time during installation and maintenance.
- **Cost-Effective:** The male and female connector system reduces the need for expensive, specialized connectors, making it a cost-efficient solution for ductwork installations.
- **Versatility:** These connectors are available in a range of sizes to suit different duct diameters, making them adaptable for use in various systems.
- **Improved Airflow:** The tight connection helps maintain smooth airflow through the system, which contributes to lower energy consumption and enhanced HVAC performance.
- **Sleek Appearance:** The smooth and streamlined connection between the male and female connectors maintains the aesthetic appeal of the duct system, especially in exposed applications where appearance matters.

Customizable:

- Available in thicknesses according to customer specification **between 0.5 and 1.2**
- Available in lengths according to customer specification

View dimensions on the next page →

Spiral Duct Fittings

Spiral Duct Connector M SDCM

Available dimensions

Diameter (mm)	Internal Diameter (ϕ mm)	Thickness (mm)	Length (mm)
80	78	0.5 - 0.8	100
100	98	0.5 - 0.8	100
125	123	0.5 - 0.8	100
150	148	0.5 - 0.8	100
160	158	0.5 - 0.8	100
180	178	0.5 - 0.8	100
200	198	0.5 - 0.8	100
225	223	0.5 - 0.8	100
250	248	0.5 - 0.8	100
300	298	0.5 - 0.8	100
315	313	0.5 - 0.8	100
350	348	0.5 - 0.8	100
355	353	0.5 - 0.8	100
400	398	0.5 - 0.8	100
450	448	0.5 - 0.8	100
500	498	0.6 - 1.0	100 - 150
550	548	0.6 - 1.0	100 - 150
600	598	0.6 - 1.0	100 - 150
650	628	0.6 - 1.0	100 - 150
700	698	0.6 - 1.0	100 - 150
750	748	0.6 - 1.0	100 - 150
800	798	0.8 - 1.2	100 - 150
850	848	0.8 - 1.2	100 - 150
900	898	0.8 - 1.2	100 - 150
950	948	0.8 - 1.2	100 - 150
1000	998	0.8 - 1.2	100 - 150
1050	1048	0.8 - 1.2	100 - 150
1100	1098	0.8 - 1.2	100 - 150
1150	1148	0.8 - 1.2	100 - 150
1200	1198	0.8 - 1.2	100 - 150
1250	1248	0.8 - 1.2	100 - 150
1300	1298	0.8 - 1.2	100 - 150
1350	1348	0.8 - 1.2	100 - 150
1400	1398	0.8 - 1.2	100 - 150
1450	1448	0.8 - 1.2	100 - 150
1500	1498	0.8 - 1.2	100 - 150

Spiral Duct Fittings

Spiral Duct Connector F SDCF



Technical Description

- **Easy Connection:** Male and female connectors allow for a quick and secure connection between two spiral duct sections, minimizing the need for extra parts or complicated fittings.
- **Durable Construction:** Made from the same galvanized steel as the ducts themselves, these connectors are designed to withstand the same conditions and maintain strength over time.
- **Easy Installation:** With simple interlocking mechanisms, male and female connectors make it faster and easier to assemble or disassemble ducts, saving time during installation and maintenance.
- **Cost-Effective:** The male and female connector system reduces the need for expensive, specialized connectors, making it a cost-efficient solution for ductwork installations.
- **Versatility:** These connectors are available in a range of sizes to suit different duct diameters, making them adaptable for use in various systems.
- **Improved Airflow:** The tight connection helps maintain smooth airflow through the system, which contributes to lower energy consumption and enhanced HVAC performance.
- **Sleek Appearance:** The smooth and streamlined connection between the male and female connectors maintains the aesthetic appeal of the duct system, especially in exposed applications where appearance matters.

Customizable:

- Available in thicknesses according to customer specification **between 0.5 and 1.2**
- Available in lengths according to customer specification

View dimensions on the next page →

Spiral Duct Fittings

Spiral Duct Connector F SDCF

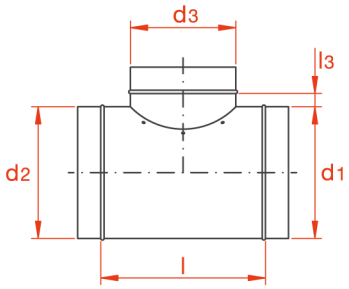
Available dimensions

Diameter (mm)	Internal Diameter (ϕ mm)	Thickness (mm)	Length (mm)
80	82	0.5 - 0.8	100
100	102	0.5 - 0.8	100
125	127	0.5 - 0.8	100
150	152	0.5 - 0.8	100
160	162	0.5 - 0.8	100
180	182	0.5 - 0.8	100
200	202	0.5 - 0.8	100
225	227	0.5 - 0.8	100
250	252	0.5 - 0.8	100
300	302	0.5 - 0.8	100
315	317	0.5 - 0.8	100
350	352	0.5 - 0.8	100
355	357	0.5 - 0.8	100
400	402	0.5 - 0.8	100
450	452	0.5 - 0.8	100
500	502	0.6 - 1.0	100 - 150
550	552	0.6 - 1.0	100 - 150
600	602	0.6 - 1.0	100 - 150
650	652	0.6 - 1.0	100 - 150
700	702	0.6 - 1.0	100 - 150
750	752	0.6 - 1.0	100 - 150
800	802	0.8 - 1.2	100 - 150
850	852	0.8 - 1.2	100 - 150
900	902	0.8 - 1.2	100 - 150
950	952	0.8 - 1.2	100 - 150
1000	1002	0.8 - 1.2	100 - 150
1050	1052	0.8 - 1.2	100 - 150
1100	1102	0.8 - 1.2	100 - 150
1150	1152	0.8 - 1.2	100 - 150
1200	1202	0.8 - 1.2	100 - 150
1250	1252	0.8 - 1.2	100 - 150
1300	1302	0.8 - 1.2	100 - 150
1350	1352	0.8 - 1.2	100 - 150
1400	1402	0.8 - 1.2	100 - 150
1450	1452	0.8 - 1.2	100 - 150
1500	1502	0.8 - 1.2	100 - 150

Spiral Duct Fittings

Spiral Duct Tee SDT





Technical Description

- **Aesthetic Appeal:** The smooth, sleek appearance of spiral ducts and tees gives a modern, professional look, especially when exposed in commercial or industrial settings.
- **Versatility:** Spiral duct tees are available in a wide range of sizes and configurations, making them suitable for various HVAC and ventilation applications.
- **Enhanced Strength:** The spiral construction of the duct tees provides additional structural integrity, reducing the potential for damage during installation or transportation.
- **Reduced Airflow Resistance:** The rounded, smooth design of spiral duct tees minimizes airflow turbulence, leading to more efficient air distribution and lower operational costs.
- **Compatibility:** Spiral duct tees are easily integrated with other spiral or traditional duct systems, making them highly adaptable to various design requirements.
- **Customizable for Complex Systems:** Spiral duct tees can be custom-made to fit specific angles and sizes, ensuring a precise fit for complex or non-standard HVAC system configurations.

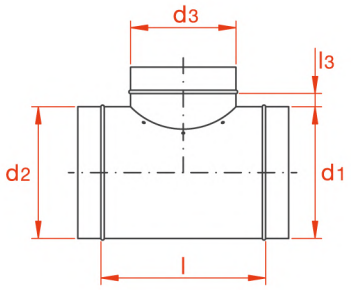
Available dimensions

Dimensions (mm)	Internal Dimensions (ϕ mm)	Thickness (mm)
80 x 80 x 80	78 x 78 x 78	0.5 - 0.8
100 x 100 x 100	98 x 98 x 98	0.5 - 0.8
125 x 125 x 125	123 x 123 x 123	0.5 - 0.8
150 x 150 x 150	148 x 148 x 148	0.5 - 0.8
160 x 160 x 160	158 x 158 x 158	0.5 - 0.8
180 x 180 x 180	178 x 178 x 178	0.5 - 0.8
200 x 200 x 200	198 x 198 x 198	0.5 - 0.8
225 x 225 x 225	223 x 223 x 223	0.5 - 0.8
250 x 250 x 250	248 x 248 x 248	0.5 - 0.8
300 x 300 x 300	298 x 298 x 298	0.5 - 0.8
315 x 315 x 315	313 x 313 x 313	0.5 - 0.8
350 x 350 x 350	348 x 348 x 348	0.5 - 0.8
355 x 355 x 355	353 x 353 x 353	0.5 - 0.8
400 x 400 x 400	398 x 398 x 398	0.5 - 0.8
450 x 450 x 450	448 x 448 x 448	0.5 - 0.8
500 x 500 x 500	498 x 498 x 498	0.6 - 1.0
550 x 550 x 550	548 x 548 x 548	0.6 - 1.0
600 x 600 x 600	598 x 598 x 598	0.6 - 1.0
630 x 630 x 630	628 x 628 x 628	0.6 - 1.0
650 x 650 x 650	648 x 648 x 648	0.6 - 1.0
700 x 700 x 700	698 x 698 x 698	0.6 - 1.0
750 x 750 x 750	748 x 748 x 748	0.6 - 1.0
800 x 800 x 800	798 x 798 x 798	0.8 - 1.2
850 x 850 x 850	848 x 848 x 848	0.8 - 1.2

Spiral Duct Fittings

Spiral Duct Tee SDT





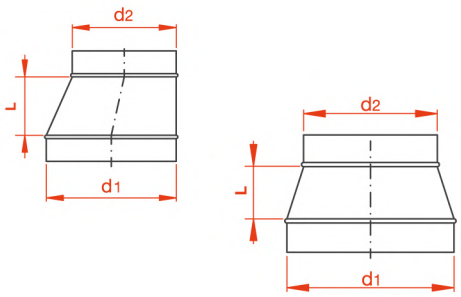
Available dimensions

Dimensions (mm)	Internal Dimensions (ϕ mm)	Thickness (mm)
900 x 900 x 900	898 x 898 x 898	0.8 - 1.2
950 x 950 x 950	948 x 948 x 948	0.8 - 1.2
1000 x 1000 x 1000	998 x 998 x 998	0.8 - 1.2
1050 x 1050 x 1050	1048 x 1048 x 1048	0.8 - 1.2
1100 x 1100 x 1100	1098 x 1098 x 1098	0.8 - 1.2
1150 x 1150 x 1150	1148 x 1148 x 1148	0.8 - 1.2
1200 x 1200 x 1200	1198 x 1198 x 1198	0.8 - 1.2
1250 x 1250 x 1250	1248 x 1248 x 1248	0.8 - 1.2
1300 x 1300 x 1300	1298 x 1298 x 1298	0.8 - 1.2
1350 x 1350 x 1350	1348 x 1348 x 1348	0.8 - 1.2
1400 x 1400 x 1400	1398 x 1398 x 1398	0.8 - 1.2
1450 x 1450 x 1450	1448 x 1448 x 1448	0.8 - 1.2
1500 x 1500 x 1500	1498 x 1498 x 1498	0.8 - 1.2

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR





Technical Description

- **Efficient Transition:** Reducers provide a smooth and consistent transition between two duct sizes, reducing turbulence and air resistance, which improves the overall airflow efficiency.
- **Versatility:** These reducers are highly versatile, as they can be used in a wide range of applications where a gradual reduction in duct size is needed, ensuring compatibility with many system configurations.
- **Reduced Noise:** The design of reducers reduces airflow turbulence and noise, leading to quieter HVAC systems, particularly in commercial or residential buildings where noise is a concern.
- **Customizable Transition:** Asymmetrical reducers provide a customizable transition between ducts of different sizes, offering greater flexibility when the reduction needs to be non-uniform
- **Faster Installation:** Like symmetrical reducers, asymmetrical spiral duct reducers are easy to install, saving time and reducing labor costs during the setup of complex HVAC systems.
- **Improved Pressure Stability:** Asymmetrical reducers help maintain stable air pressure and airflow even in non-standard duct configurations, improving the overall efficiency of HVAC systems.

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
100 x 80	98 x 78	0.5 - 0.8
125 x 80	123 x 78	0.5 - 0.8
125 x 100	123 x 98	0.5 - 0.8
150 x 80	148 x 78	0.5 - 0.8
150 x 100	148 x 98	0.5 - 0.8
150 x 125	148 x 123	0.5 - 0.8
160 x 80	158 x 78	0.5 - 0.8
160 x 100	158 x 98	0.5 - 0.8
160 x 125	158 x 123	0.5 - 0.8
160 x 150	158 x 148	0.5 - 0.8
180 x 100	178 x 98	0.5 - 0.8
180 x 125	178 x 123	0.5 - 0.8
180 x 150	178 x 148	0.5 - 0.8
180 x 160	178 x 158	0.5 - 0.8
200 x 100	198 x 98	0.5 - 0.8
200 x 125	198 x 123	0.5 - 0.8
200 x 150	198 x 148	0.5 - 0.8
200 x 160	198 x 158	0.5 - 0.8
200 x 180	198 x 178	0.5 - 0.8
225 x 100	223 x 98	0.5 - 0.8
225 x 125	223 x 123	0.5 - 0.8
225 x 150	223 x 148	0.5 - 0.8
225 x 160	223 x 158	0.5 - 0.8
225 x 180	223 x 178	0.5 - 0.8

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
250 x 100	248 x 98	0.5 - 0.8
250 x 125	248 x 123	0.5 - 0.8
250 x 150	248 x 148	0.5 - 0.8
250 x 160	248 x 158	0.5 - 0.8
250 x 180	248 x 178	0.5 - 0.8
250 x 200	248 x 198	0.5 - 0.8
250 x 225	248 x 223	0.5 - 0.8
300 x 100	298 x 98	0.5 - 0.8
300 x 125	298 x 123	0.5 - 0.8
300 x 150	298 x 148	0.5 - 0.8
300 x 160	298 x 158	0.5 - 0.8
300 x 180	298 x 178	0.5 - 0.8
300 x 200	298 x 198	0.5 - 0.8
300 x 225	298 x 223	0.5 - 0.8
300 x 250	298 x 248	0.5 - 0.8
315 x 100	313 x 98	0.5 - 0.8
315 x 125	313 x 123	0.5 - 0.8
315 x 150	313 x 148	0.5 - 0.8
315 x 160	313 x 158	0.5 - 0.8
315 x 180	313 x 178	0.5 - 0.8
315 x 200	313 x 198	0.5 - 0.8
315 x 225	313 x 223	0.5 - 0.8
315 x 250	313 x 248	0.5 - 0.8
315 x 300	313 x 298	0.5 - 0.8
350 x 100	348 x 98	0.5 - 0.8
350 x 125	348 x 123	0.5 - 0.8
350 x 150	348 x 148	0.5 - 0.8
350 x 160	348 x 158	0.5 - 0.8
350 x 180	348 x 178	0.5 - 0.8
350 x 200	348 x 198	0.5 - 0.8
350 x 225	348 x 223	0.5 - 0.8
350 x 250	348 x 248	0.5 - 0.8

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
350 x 300	348 x 298	0.5 - 0.8
350 x 315	348 x 313	0.5 - 0.8
355 x 100	353 x 98	0.5 - 0.8
355 x 125	353 x 123	0.5 - 0.8
355 x 150	353 x 148	0.5 - 0.8
355 x 160	353 x 158	0.5 - 0.8
355 x 180	353 x 178	0.5 - 0.8
355 x 200	353 x 198	0.5 - 0.8
355 x 225	353 x 223	0.5 - 0.8
355 x 250	353 x 248	0.5 - 0.8
355 x 300	353 x 298	0.5 - 0.8
355 x 315	353 x 313	0.5 - 0.8
400 x 100	398 x 98	0.5 - 0.8
400 x 125	398 x 123	0.5 - 0.8
400 x 150	398 x 148	0.5 - 0.8
400 x 160	398 x 158	0.5 - 0.8
400 x 180	398 x 178	0.5 - 0.8
400 x 200	398 x 198	0.5 - 0.8
400 x 225	398 x 223	0.5 - 0.8
400 x 250	398 x 248	0.5 - 0.8
400 x 300	398 x 298	0.5 - 0.8
400 x 315	398 x 313	0.5 - 0.8
400 x 350	398 x 348	0.5 - 0.8
400 x 355	398 x 353	0.5 - 0.8
450 x 100	448 x 98	0.5 - 0.8
450 x 125	448 x 123	0.5 - 0.8
450 x 150	448 x 148	0.5 - 0.8
450 x 160	448 x 158	0.5 - 0.8
450 x 180	448 x 178	0.5 - 0.8
450 x 200	448 x 198	0.5 - 0.8
450 x 225	448 x 223	0.5 - 0.8
450 x 250	448 x 248	0.5 - 0.8

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
450 x 300	448 x 298	0.5 - 0.8
450 x 315	448 x 313	0.5 - 0.8
450 x 350	448 x 348	0.5 - 0.8
450 x 355	338 x 353	0.5 - 0.8
450 x 400	448 x 398	0.5 - 0.8
500 x 150	498 x 148	0.6 - 1.0
500 x 160	498 x 158	0.6 - 1.0
500 x 180	498 x 178	0.6 - 1.0
500 x 200	498 x 198	0.6 - 1.0
500 x 225	498 x 223	0.6 - 1.0
500 x 250	498 x 248	0.6 - 1.0
500 x 300	498 x 298	0.6 - 1.0
500 x 315	498 x 313	0.6 - 1.0
500 x 350	498 x 348	0.6 - 1.0
500 x 355	498 x 353	0.6 - 1.0
500 x 400	498 x 398	0.6 - 1.0
500 x 450	498 x 448	0.6 - 1.0
550 x 150	548 x 148	0.6 - 1.0
550 x 160	548 x 158	0.6 - 1.0
550 x 180	548 x 178	0.6 - 1.0
550 x 200	548 x 198	0.6 - 1.0
550 x 225	548 x 223	0.6 - 1.0
550 x 250	548 x 248	0.6 - 1.0
550 x 300	548 x 298	0.6 - 1.0
550 x 315	548 x 313	0.6 - 1.0
550 x 350	548 x 348	0.6 - 1.0
550 x 355	548 x 353	0.6 - 1.0
550 x 400	548 x 398	0.6 - 1.0
550 x 450	548 x 448	0.6 - 1.0
550 x 500	548 x 498	0.6 - 1.0
600 x 150	598 x 148	0.6 - 1.0
600 x 160	598 x 158	0.6 - 1.0

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
600 x 180	598 x 178	0.6 - 1.0
600 x 200	598 x 198	0.6 - 1.0
600 x 225	598 x 223	0.6 - 1.0
600 x 250	598 x 248	0.6 - 1.0
600 x 300	598 x 298	0.6 - 1.0
600 x 315	598 x 313	0.6 - 1.0
600 x 350	598 x 348	0.6 - 1.0
600 x 355	598 x 353	0.6 - 1.0
600 x 400	598 x 398	0.6 - 1.0
600 x 450	598 x 448	0.6 - 1.0
600 x 500	598 x 498	0.6 - 1.0
600 x 550	598 x 548	0.6 - 1.0
630 x 150	628 x 148	0.6 - 1.0
630 x 160	628 x 158	0.6 - 1.0
630 x 180	628 x 178	0.6 - 1.0
630 x 200	628 x 198	0.6 - 1.0
630 x 225	628 x 223	0.6 - 1.0
630 x 250	628 x 248	0.6 - 1.0
630 x 300	628 x 298	0.6 - 1.0
630 x 315	628 x 313	0.6 - 1.0
630 x 355	628 x 353	0.6 - 1.0
630 x 400	628 x 398	0.6 - 1.0
630 x 450	628 x 448	0.6 - 1.0
630 x 500	628 x 498	0.6 - 1.0
630 x 550	628 x 548	0.6 - 1.0
630 x 600	628 x 598	0.6 - 1.0
650 x 150	648 x 148	0.6 - 1.0
650 x 160	648 x 158	0.6 - 1.0
650 x 180	648 x 178	0.6 - 1.0
650 x 200	648 x 198	0.6 - 1.0
650 x 225	648 x 223	0.6 - 1.0
650 x 250	648 x 248	0.6 - 1.0

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
650 x 300	598 x 178	0.6 - 1.0
650 x 350	598 x 198	0.6 - 1.0
650 x 400	598 x 223	0.6 - 1.0
650 x 450	598 x 248	0.6 - 1.0
650 x 500	598 x 298	0.6 - 1.0
650 x 550	598 x 313	0.6 - 1.0
650 x 600	598 x 348	0.6 - 1.0
700 x 200	598 x 353	0.6 - 1.0
700 x 225	598 x 398	0.6 - 1.0
700 x 250	598 x 448	0.6 - 1.0
700 x 300	598 x 498	0.6 - 1.0
700 x 315	598 x 548	0.6 - 1.0
700 x 350	628 x 148	0.6 - 1.0
700 x 355	628 x 158	0.6 - 1.0
700 x 400	628 x 178	0.6 - 1.0
700 x 450	628 x 198	0.6 - 1.0
700 x 500	628 x 223	0.6 - 1.0
700 x 550	628 x 248	0.6 - 1.0
700 x 600	628 x 298	0.6 - 1.0
700 x 630	628 x 313	0.6 - 1.0
700 x 650	628 x 353	0.6 - 1.0
750 x 200	628 x 398	0.6 - 1.0
750 x 225	628 x 448	0.6 - 1.0
750 x 250	628 x 498	0.6 - 1.0
750 x 300	628 x 548	0.6 - 1.0
750 x 315	628 x 598	0.6 - 1.0
750 x 350	648 x 148	0.6 - 1.0
750 x 355	648 x 158	0.6 - 1.0
750 x 400	648 x 178	0.6 - 1.0
750 x 450	648 x 198	0.6 - 1.0
750 x 500	648 x 223	0.6 - 1.0
750 x 550	648 x 248	0.6 - 1.0

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
750 x 600	748 x 598	0.6 - 1.0
750 x 630	748 x 628	0.6 - 1.0
750 x 650	748 x 648	0.6 - 1.0
750 x 700	748 x 698	0.6 - 1.0
800 x 315	798 x 313	0.8 - 1.2
800 x 350	798 x 348	0.8 - 1.2
800 x 355	798 x 353	0.8 - 1.2
800 x 400	798 x 398	0.8 - 1.2
800 x 450	798 x 448	0.8 - 1.2
800 x 500	798 x 498	0.8 - 1.2
800 x 550	798 x 548	0.8 - 1.2
800 x 600	798 x 598	0.8 - 1.2
800 x 630	798 x 628	0.8 - 1.2
800 x 650	798 x 648	0.8 - 1.2
800 x 700	798 x 698	0.8 - 1.2
800 x 750	798 x 748	0.8 - 1.2
850 x 315	848 x 313	0.8 - 1.2
850 x 355	848 x 353	0.8 - 1.2
850 x 400	848 x 398	0.8 - 1.2
850 x 450	848 x 448	0.8 - 1.2
850 x 500	848 x 498	0.8 - 1.2
850 x 550	848 x 548	0.8 - 1.2
850 x 600	848 x 598	0.8 - 1.2
850 x 650	848 x 648	0.8 - 1.2
850 x 700	848 x 698	0.8 - 1.2
850 x 750	848 x 748	0.8 - 1.2
850 x 800	848 x 798	0.8 - 1.2
900 x 315	898 x 313	0.8 - 1.2
900 x 350	898 x 348	0.8 - 1.2
900 x 355	898 x 353	0.8 - 1.2
900 x 400	898 x 398	0.8 - 1.2
900 x 450	898 x 448	0.8 - 1.2

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
900 x 500	898 x 498	0.8 - 1.2
900 x 550	898 x 548	0.8 - 1.2
900 x 600	898 x 598	0.8 - 1.2
900 x 630	898 x 628	0.8 - 1.2
900 x 700	898 x 698	0.8 - 1.2
900 x 750	898 x 748	0.8 - 1.2
900 x 800	898 x 798	0.8 - 1.2
900 x 850	898 x 848	0.8 - 1.2
950 x 400	948 x 398	0.8 - 1.2
950 x 450	948 x 448	0.8 - 1.2
950 x 500	948 x 498	0.8 - 1.2
950 x 550	948 x 548	0.8 - 1.2
950 x 600	948 x 598	0.8 - 1.2
950 x 630	948 x 628	0.8 - 1.2
950 x 700	948 x 698	0.8 - 1.2
950 x 750	948 x 748	0.8 - 1.2
950 x 800	948 x 798	0.8 - 1.2
950 x 850	948 x 848	0.8 - 1.2
950 x 900	948 x 898	0.8 - 1.2
1000 x 400	998 x 398	0.8 - 1.2
1000 x 450	998 x 448	0.8 - 1.2
1000 x 500	998 x 498	0.8 - 1.2
1000 x 550	998 x 548	0.8 - 1.2
1000 x 600	998 x 598	0.8 - 1.2
1000 x 630	998 x 628	0.8 - 1.2
1000 x 700	998 x 698	0.8 - 1.2
1000 x 750	998 x 748	0.8 - 1.2
1000 x 800	998 x 798	0.8 - 1.2
1000 x 850	998 x 848	0.8 - 1.2
1000 x 900	998 x 898	0.8 - 1.2
1000 x 950	998 x 948	0.8 - 1.2
1050 x 400	1048 x 398	0.8 - 1.2

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
1050 x 450	1048 x 448	0.8 - 1.2
1050 x 500	1048 x 498	0.8 - 1.2
1050 x 550	1048 x 548	0.8 - 1.2
1050 x 600	1048 x 598	0.8 - 1.2
1050 x 630	1048 x 628	0.8 - 1.2
1050 x 650	1048 x 648	0.8 - 1.2
1050 x 700	1048 x 698	0.8 - 1.2
1050 x 750	1048 x 748	0.8 - 1.2
1050 x 800	1048 x 798	0.8 - 1.2
1050 x 850	1048 x 848	0.8 - 1.2
1050 x 900	1048 x 898	0.8 - 1.2
1050 x 950	1048 x 948	0.8 - 1.2
1050 x 1000	1048 x 998	0.8 - 1.2
1100 x 500	1098 x 498	0.8 - 1.2
1100 x 550	1098 x 548	0.8 - 1.2
1100 x 600	1098 x 598	0.8 - 1.2
1100 x 630	1098 x 628	0.8 - 1.2
1100 x 700	1098 x 698	0.8 - 1.2
1100 x 750	1098 x 748	0.8 - 1.2
1100 x 800	1098 x 798	0.8 - 1.2
1100 x 850	1098 x 848	0.8 - 1.2
1100 x 900	1098 x 898	0.8 - 1.2
1100 x 950	1098 x 948	0.8 - 1.2
1100 x 1000	1098 x 998	0.8 - 1.2
1100 x 1050	1098 x 1048	0.8 - 1.2
1150 x 500	1148 x 498	0.8 - 1.2
1150 x 550	1148 x 548	0.8 - 1.2
1150 x 600	1148 x 598	0.8 - 1.2
1150 x 630	1148 x 628	0.8 - 1.2
1150 x 650	1148 x 648	0.8 - 1.2
1150 x 700	1148 x 698	0.8 - 1.2
1150 x 750	1148 x 748	0.8 - 1.2

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
1150 x 800	1148 x 798	0.8 - 1.2
1150 x 850	1148 x 848	0.8 - 1.2
1150 x 900	1148 x 898	0.8 - 1.2
1150 x 950	1148 x 948	0.8 - 1.2
1150 x 1000	1148 x 998	0.8 - 1.2
1150 x 1050	1148 x 1048	0.8 - 1.2
1150 x 1100	1148 x 1098	0.8 - 1.2
1200 x 500	1198 x 498	0.8 - 1.2
1200 x 550	1198 x 548	0.8 - 1.2
1200 x 600	1198 x 598	0.8 - 1.2
1200 x 630	1198 x 628	0.8 - 1.2
1200 x 700	1198 x 698	0.8 - 1.2
1200 x 750	1198 x 748	0.8 - 1.2
1200 x 800	1198 x 798	0.8 - 1.2
1200 x 850	1198 x 848	0.8 - 1.2
1200 x 900	1198 x 898	0.8 - 1.2
1200 x 950	1198 x 948	0.8 - 1.2
1200 x 1000	1198 x 998	0.8 - 1.2
1200 x 1050	1198 x 1048	0.8 - 1.2
1200 x 1100	1198 x 1098	0.8 - 1.2
1200 x 1150	1198 x 1148	0.8 - 1.2
1250 x 500	1248 x 498	0.8 - 1.2
1250 x 550	1248 x 548	0.8 - 1.2
1250 x 600	1248 x 598	0.8 - 1.2
1250 x 630	1248 x 628	0.8 - 1.2
1250 x 700	1248 x 698	0.8 - 1.2
1250 x 750	1248 x 748	0.8 - 1.2
1250 x 800	1248 x 798	0.8 - 1.2
1250 x 850	1248 x 848	0.8 - 1.2
1250 x 900	1248 x 898	0.8 - 1.2
1250 x 950	1248 x 948	0.8 - 1.2
1250 x 1000	1248 x 998	0.8 - 1.2

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
1250 x 1050	1248 x 1048	0.8 - 1.2
1250 x 1100	1248 x 1098	0.8 - 1.2
1250 x 1150	1248 x 1148	0.8 - 1.2
1250 x 1200	1248 x 1198	0.8 - 1.2
1300 x 600	1298 x 598	0.8 - 1.2
1300 x 630	1298 x 628	0.8 - 1.2
1300 x 700	1298 x 698	0.8 - 1.2
1300 x 750	1298 x 748	0.8 - 1.2
1300 x 800	1298 x 798	0.8 - 1.2
1300 x 850	1298 x 848	0.8 - 1.2
1300 x 900	1298 x 898	0.8 - 1.2
1300 x 950	1298 x 948	0.8 - 1.2
1300 x 1000	1298 x 998	0.8 - 1.2
1300 x 1050	1298 x 1048	0.8 - 1.2
1300 x 1100	1298 x 1098	0.8 - 1.2
1300 x 1150	1298 x 1148	0.8 - 1.2
1300 x 1200	1298 x 1198	0.8 - 1.2
1300 x 1250	1298 x 1248	0.8 - 1.2
1350 x 600	1348 x 598	0.8 - 1.2
1350 x 630	1348 x 628	0.8 - 1.2
1350 x 700	1348 x 698	0.8 - 1.2
1350 x 750	1348 x 748	0.8 - 1.2
1350 x 800	1348 x 798	0.8 - 1.2
1350 x 850	1348 x 848	0.8 - 1.2
1350 x 900	1348 x 898	0.8 - 1.2
1350 x 950	1348 x 948	0.8 - 1.2
1350 x 1000	1348 x 998	0.8 - 1.2
1350 x 1050	1348 x 1048	0.8 - 1.2
1350 x 1100	1348 x 1098	0.8 - 1.2
1350 x 1150	1348 x 1148	0.8 - 1.2
1350 x 1200	1348 x 1198	0.8 - 1.2
1350 x 1250	1348 x 1248	0.8 - 1.2

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
1350 x 1300	1348 x 1298	0.8 - 1.2
1400 x 600	1398 x 598	0.8 - 1.2
1400 x 630	1398 x 628	0.8 - 1.2
1400 x 700	1398 x 698	0.8 - 1.2
1400 x 750	1398 x 748	0.8 - 1.2
1400 x 800	1398 x 798	0.8 - 1.2
1400 x 850	1398 x 848	0.8 - 1.2
1400 x 900	1398 x 898	0.8 - 1.2
1400 x 950	1398 x 948	0.8 - 1.2
1400 x 1000	1398 x 998	0.8 - 1.2
1400 x 1050	1398 x 1048	0.8 - 1.2
1400 x 1100	1398 x 1098	0.8 - 1.2
1400 x 1150	1398 x 1148	0.8 - 1.2
1400 x 1200	1398 x 1198	0.8 - 1.2
1400 x 1250	1398 x 1248	0.8 - 1.2
1400 x 1300	1398 x 1298	0.8 - 1.2
1400 x 1350	1398 x 1348	0.8 - 1.2
1450 x 700	1448 x 698	0.8 - 1.2
1450 x 750	1448 x 748	0.8 - 1.2
1450 x 800	1448 x 798	0.8 - 1.2
1450 x 850	1448 x 848	0.8 - 1.2
1450 x 900	1448 x 898	0.8 - 1.2
1450 x 950	1448 x 948	0.8 - 1.2
1450 x 1000	1448 x 998	0.8 - 1.2
1450 x 1050	1448 x 1048	0.8 - 1.2
1450 x 1100	1448 x 1098	0.8 - 1.2
1450 x 1150	1448 x 1148	0.8 - 1.2
1450 x 1200	1448 x 1198	0.8 - 1.2
1450 x 1250	1448 x 1248	0.8 - 1.2
1450 x 1300	1448 x 1298	0.8 - 1.2
1450 x 1350	1448 x 1348	0.8 - 1.2
1450 x 1400	1448 x 1398	0.8 - 1.2

Spiral Duct Fittings

Asymmetric & Symetrical Spiral Duct Reducer ASDR SSDR

Available dimensions

Dimensions (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
1500 x 700	1498 x 698	0.8 - 1.2
1500 x 750	1498 x 748	0.8 - 1.2
1500 x 800	1498 x 798	0.8 - 1.2
1500 x 850	1498 x 848	0.8 - 1.2
1500 x 900	1498 x 898	0.8 - 1.2
1500 x 950	1498 x 948	0.8 - 1.2
1500 x 1000	1498 x 998	0.8 - 1.2
1500 x 1050	1498 x 1048	0.8 - 1.2
1500 x 1100	1498 x 1098	0.8 - 1.2
1500 x 1150	1498 x 1148	0.8 - 1.2
1500 x 1200	1498 x 1198	0.8 - 1.2
1500 x 1250	1498 x 1248	0.8 - 1.2
1500 x 1300	1498 x 1298	0.8 - 1.2
1500 x 1350	1498 x 1348	0.8 - 1.2
1500 x 1400	1498 x 1398	0.8 - 1.2
1500 x 1450	1498 x 1448	0.8 - 1.2

Spiral Duct Fittings

Segmented Spiral Elbow

90°, 60°, 45°, 30° SSE



Technical Description

- **Customized Angles:** Segmented elbows allow for flexibility in creating ducts with custom angles, ranging from 30° to 90° or more. This makes them ideal for applications where the angle needs to be adjusted to fit specific system requirements.
- **Reduced Airflow Resistance:** The segmented design helps reduce turbulence and friction, providing smoother airflow than traditional elbow fittings, which can help improve system efficiency and reduce energy consumption.
- **Support for Future Expansion:** In HVAC systems that may need to be expanded or modified in the future, segmented elbows offer flexibility, making it easier to adapt the system to new conditions without major reconfiguration or costly new parts.

Available dimensions

- **Minimized Air Leaks:** When properly assembled, segmented spiral elbows provide tight seals, reducing the chances of air leakage. This results in better energy efficiency and cleaner, more consistent airflow.
- **Quick Installation:** Segmented spiral elbows are easier and quicker to install than fully welded or fabricated elbows, which can save significant time and labor costs, especially in large-scale projects or retrofit applications.
- **Wide Range of Diameters Available:** Segmented spiral elbows come in a variety of sizes, catering to different ductwork requirements. Whether your system uses small diameter ducts (such as 80 mm) or large ducts (up to 1500 mm), segmented spiral elbows are available in many diameters, ensuring that you can find the perfect fit for your specific needs.

View dimensions on the next page →

Spiral Duct Fittings

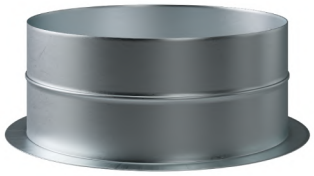
Segmented Spiral Elbow

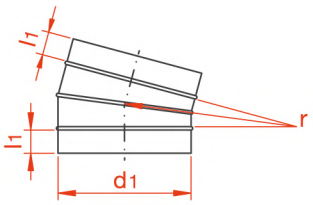
90°, 60°, 45°, 30° SSE

Diameter (mm)	Internal Diameter (ϕ mm)	Agnles (°)	Thickness (mm)
80	78	90, 60, 45, 30	0.5 - 1.2mm
100	98	90, 60, 45, 30	0.5 - 1.2mm
125	123	90, 60, 45, 30	0.5 - 1.2mm
150	148	90, 60, 45, 30	0.5 - 1.2mm
160	158	90, 60, 45, 30	0.5 - 1.2mm
180	178	90, 60, 45, 30	0.5 - 1.2mm
200	198	90, 60, 45, 30	0.5 - 1.2mm
225	223	90, 60, 45, 30	0.5 - 1.2mm
250	248	90, 60, 45, 30	0.5 - 1.2mm
300	298	90, 60, 45, 30	0.5 - 1.2mm
315	313	90, 60, 45, 30	0.5 - 1.2mm
350	353	90, 60, 45, 30	0.5 - 1.2mm
355	398	90, 60, 45, 30	0.5 - 1.2mm
400	448	90, 60, 45, 30	0.5 - 1.2mm
450	498	90, 60, 45, 30	0.5 - 1.2mm
500	548	90, 60, 45, 30	0.5 - 1.2mm
550	598	90, 60, 45, 30	0.5 - 1.2mm
600	628	90, 60, 45, 30	0.5 - 1.2mm
650	648	90, 60, 45, 30	0.5 - 1.2mm
700	698	90, 60, 45, 30	0.5 - 1.2mm
750	748	90, 60, 45, 30	0.5 - 1.2mm
800	798	90, 60, 45, 30	0.5 - 1.2mm
850	848	90, 60, 45, 30	0.5 - 1.2mm
900	898	90, 60, 45, 30	0.5 - 1.2mm
950	948	90, 60, 45, 30	0.5 - 1.2mm
1000	998	90, 60, 45, 30	0.5 - 1.2mm
1050	1048	90, 60, 45, 30	0.5 - 1.2mm
1100	1098	90, 60, 45, 30	0.5 - 1.2mm
1150	1148	90, 60, 45, 30	0.5 - 1.2mm
1200	1198	90, 60, 45, 30	0.5 - 1.2mm
1250	1248	90, 60, 45, 30	0.5 - 1.2mm
1300	1298	90, 60, 45, 30	0.5 - 1.2mm
1350	1348	90, 60, 45, 30	0.5 - 1.2mm
1400	1398	90, 60, 45, 30	0.5 - 1.2mm
1450	1448	90, 60, 45, 30	0.5 - 1.2mm
1500	1498	90, 60, 45, 30	0.5 - 1.2mm

Spiral Duct Fittings

Spiral Duct Collar SDC





Technical Description

- **Versatile Fit:** Available in various sizes, spiral duct collars are designed to fit a wide range of duct dimensions, making them highly adaptable for different HVAC systems. They ensure a snug, reliable connection between ducts and other system components.
- **Compatibility with Different Ductwork:** Spiral duct collars are compatible with a variety of duct types, including both spiral and rectangular ducts, ensuring flexibility in system design and configuration.
- **Customization Options:** Spiral duct collars can be custom-made to meet specific project requirements, allowing for precise fitting to your duct system, ensuring compatibility with other components and maximizing system efficiency.
- **Compliance with Standards:** Spiral duct collars are manufactured to meet industry standards and building codes, ensuring that they comply with regulatory requirements for safety, performance, and environmental impact.
- **Variety of Thicknesses and Diameters:** Spiral duct collars are available in a wide range of thicknesses and diameters, allowing for flexibility in choosing the right product based on the specific requirements of the duct system.

View dimensions on the next page →

Spiral Duct Fittings

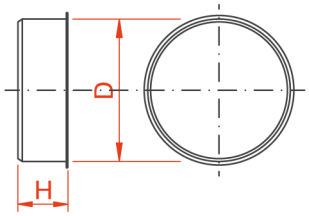
Spiral Duct Collar SDC

Diameter (mm)	Internal Diameter (ϕ mm)	Thickness (mm)
80	78	0.5 - 0.8
100	98	0.5 - 0.8
125	123	0.5 - 0.8
150	148	0.5 - 0.8
160	158	0.5 - 0.8
180	178	0.5 - 0.8
200	198	0.5 - 0.8
225	223	0.5 - 0.8
250	248	0.5 - 0.8
300	298	0.5 - 0.8
315	313	0.5 - 0.8
350	348	0.5 - 0.8
355	353	0.5 - 0.8
400	398	0.5 - 0.8
450	448	0.5 - 0.8
500	498	0.6 - 1.0
550	548	0.6 - 1.0
600	598	0.6 - 1.0
630	628	0.6 - 1.0
650	658	0.6 - 1.0
700	698	0.6 - 1.0
750	748	0.6 - 1.0
800	798	0.8 - 1.2
850	848	0.8 - 1.2
900	898	0.8 - 1.2
950	948	0.8 - 1.2
1000	998	0.8 - 1.2
1050	1048	0.8 - 1.2
1100	1098	0.8 - 1.2
1150	1148	0.8 - 1.2
1200	1198	0.8 - 1.2
1250	1248	0.8 - 1.2
1300	1298	0.8 - 1.2
1350	1348	0.8 - 1.2
1400	1398	0.8 - 1.2
1450	1448	0.8 - 1.2
1500	1498	0.8 - 1.2

Spiral Duct Fittings

Spiral Duct End Cap SDEC





Technical Description

- **Efficient Sealing:** Spiral end caps provide a secure and tight seal, ensuring that air is contained within the duct system, which prevents leaks and maintains optimal system pressure.
- **Versatile Fit:** Spiral end caps are designed to fit a wide range of spiral duct sizes, ensuring compatibility with different systems, whether they're used for air supply, return, or exhaust.
- **Prevention of Contamination:** The robust design of spiral end caps keeps contaminants, debris, and dirt from entering the duct system when not in operation, maintaining cleanliness and air quality.
- **Easy to Install:** The design and lightweight nature of spiral end caps make them easy to install and remove, reducing labor costs and installation time.
- **Energy Efficiency:** By effectively sealing the duct system, spiral end caps reduce air leakage, which helps to maintain consistent airflow and pressure, improving the energy efficiency of HVAC systems.
- **Customization Options:** Spiral end caps are available in a variety of sizes and configurations, allowing for custom solutions that meet the specific needs of different HVAC systems.

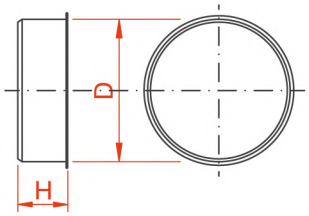
Available dimensions

Diameter (mm)	Internal Dimensions (ϕ mm)	Thickness (mm)
80	78	0.5 - 0.8
100	98	0.5 - 0.8
125	123	0.5 - 0.8
150	148	0.5 - 0.8
160	158	0.5 - 0.8
180	178	0.5 - 0.8
200	198	0.5 - 0.8
225	223	0.5 - 0.8
250	248	0.5 - 0.8
300	298	0.5 - 0.8
315	313	0.5 - 0.8
350	348	0.5 - 0.8
355	353	0.5 - 0.8
400	398	0.5 - 0.8
450	448	0.5 - 0.8
500	498	0.6 - 1.0
550	548	0.6 - 1.0
600	598	0.6 - 1.0
630	628	0.6 - 1.0
650	648	0.6 - 1.0
700	698	0.6 - 1.0
750	748	0.6 - 1.0
800	798	0.8 - 1.2
850	848	0.8 - 1.2

Spiral Duct Fittings

Spiral Duct End Cap SDEC





Available dimensions

Dimensions (mm)	Internal Dimensions (ϕ mm)	Thickness (mm)
900	898	0.8 - 1.2
950	948	0.8 - 1.2
1000	998	0.8 - 1.2
1050	1048	0.8 - 1.2
1100	1098	0.8 - 1.2
1150	1148	0.8 - 1.2
1200	1198	0.8 - 1.2
1250	1248	0.8 - 1.2
1300	1298	0.8 - 1.2
1350	1348	0.8 - 1.2
1400	1398	0.8 - 1.2
1450	1448	0.8 - 1.2
1500	1498	0.8 - 1.2

Rectangular Ducts



**Designed for space optimization,
offering flexible installation and reliable performance
in various ventilation systems.**

Rectangular Duct RD



Technical Description

- **Custom Dimensions:** Starting from 100 x 100 mm, virtually all duct dimensions can be custom-made to meet the specific needs of the project. Customers can request any size to accommodate unique space requirements or airflow specifications.
- Customization includes width, height, length, flange types, and sheet thickness to fit unique project requirements.
- **Sheet Thickness:** Varies according to duct size and pressure specifications. Standard thickness ranges from 0.5 mm for smaller ducts to 1.5 mm for larger ducts requiring higher durability.

  Length Options: Standard duct lengths are 1250 mm and 1500 mm
- Material: Typically manufactured using galvanized steel, but other materials such as stainless steel, and coated steel can be used for custom applications.

  Applications: Suitable for residential, commercial, and industrial HVAC systems. Ideal for installations with
- specific airflow, space, and pressure needs.

  Flange Types: P20: Typically used for smaller ducts with lower pressure requirements. P30: Often used for larger ducts or systems requiring higher pressure.

  Custom Branding: Ducts can be custom branded with specific coatings or labels for system identification and aesthetic purposes, ideal for commercial or industrial projects.

View dimensions on the next page →

Rectangular Duct RD



Available dimensions

Width (mm)	Height (mm)	Length (mm)	Flange Type (mm)	Sheet Thickness (mm)
100	100	1250, 1500	P20, P30	0.5
150	150	1250, 1500	P20, P30	0.5
200	200	1250, 1500	P20, P30	0.6
250	250	1250, 1500	P20, P30	0.6
300	300	1250, 1500	P20, P30	0.6
350	350	1250, 1500	P20, P30	0.6
400	400	1250, 1500	P20, P30	0.8
450	450	1250, 1500	P20, P30	0.8
500	500	1250, 1500	P30	0.8
600	600	1250, 1500	P30	1
700	700	1250, 1500	P30	1
800	800	1250, 1500	P30	1
900	900	1250, 1500	P30	1
1000	1000	1250, 1500	P30	1.2
1200	1200	1250, 1500	P30	1.2
1400	1400	1250, 1500	P30	1.5
1600	1600	1250, 1500	P30	1.5

Rectangular Duct Fittings

Rectangular Vertical Bend

90°, 60°, 45°, 30° RVB



Technical Description

- **Custom Dimensions:** Vertical bends can be custom made for duct sizes starting from 100 x 100 mm and larger, with custom width, height, and angle configurations to suit specific project needs.
- **Flange Types:** P20: Suitable for smaller ducts with lower pressure demands. P30: Ideal for larger ducts or systems requiring higher pressure
- **Sheet Thickness:** Varies from 0.5 mm for smaller bends to 1.5 mm for larger bends that require higher pressure tolerance. Can also be used according to customer's specification
- **Angle Options:** Common bend angles include 30°, 45°, 60°, and 90°. Custom angles can be manufactured based on system needs to fit unique duct layouts.

View dimensions on the next page →

Rectangular Duct Fittings

Rectangular Vertical Bend

90°, 60°, 45°, 30° RVB



Available dimensions

Width (mm)	Height (mm)	Length (mm)	Flange Type (mm)	Sheet Thickness (mm)
100	100	30°, 45°, 60°, 90°	P20, P30	0.5
150	150	30°, 45°, 60°, 90°	P20, P30	0.5
200	200	30°, 45°, 60°, 90°	P20, P30	0.6
250	250	30°, 45°, 60°, 90°	P20, P30	0.6
300	300	30°, 45°, 60°, 90°	P20, P30	0.6
350	350	30°, 45°, 60°, 90°	P20, P30	0.6
400	400	30°, 45°, 60°, 90°	P20, P30	0.8
450	450	30°, 45°, 60°, 90°	P20, P30	0.8
500	500	30°, 45°, 60°, 90°	P30	0.8
600	600	30°, 45°, 60°, 90°	P30	1
700	700	30°, 45°, 60°, 90°	P30	1
800	800	30°, 45°, 60°, 90°	P30	1
900	900	30°, 45°, 60°, 90°	P30	1
1000	1000	30°, 45°, 60°, 90°	P30	1.2
1200	1200	30°, 45°, 60°, 90°	P30	1.2
1400	1400	30°, 45°, 60°, 90°	P30	1.5
1600	1600	30°, 45°, 60°, 90°	P30	1.5

Rectangular Duct Fittings

Rectangular Horizontal Bend

90°, 60°, 45°, 30° RHB



Technical Description

- **Custom Dimensions:** Vertical bends can be custom made for duct sizes starting from 100 x 100 mm and larger, with custom width, height, and angle configurations to suit specific project needs.
- **Flange Types:** P20: Suitable for smaller ducts with lower pressure demands. P30: Ideal for larger ducts or systems requiring higher pressure
- **Sheet Thickness:** Varies from 0.5 mm for smaller bends to 1.5 mm for larger bends that require higher pressure tolerance. Can also be used according to customer's specification
- **Angle Options:** Common bend angles include 30°, 45°, 60°, and 90°. Custom angles can be manufactured based on system needs to fit unique duct layouts.

View dimensions on the next page →

Rectangular Duct Fittings

Rectangular Horizontal Bend

90°, 60°, 45°, 30° RHB



Available dimensions

Width (mm)	Height (mm)	Length (mm)	Flange Type (mm)	Sheet Thickness (mm)
100	100	30°, 45°, 60°, 90°	P20, P30	0.5
150	150	30°, 45°, 60°, 90°	P20, P30	0.5
200	200	30°, 45°, 60°, 90°	P20, P30	0.6
250	250	30°, 45°, 60°, 90°	P20, P30	0.6
300	300	30°, 45°, 60°, 90°	P20, P30	0.6
350	350	30°, 45°, 60°, 90°	P20, P30	0.6
400	400	30°, 45°, 60°, 90°	P20, P30	0.8
450	450	30°, 45°, 60°, 90°	P20, P30	0.8
500	500	30°, 45°, 60°, 90°	P30	0.8
600	600	30°, 45°, 60°, 90°	P30	1
700	700	30°, 45°, 60°, 90°	P30	1
800	800	30°, 45°, 60°, 90°	P30	1
900	900	30°, 45°, 60°, 90°	P30	1
1000	1000	30°, 45°, 60°, 90°	P30	1.2
1200	1200	30°, 45°, 60°, 90°	P30	1.2
1400	1400	30°, 45°, 60°, 90°	P30	1.5
1600	1600	30°, 45°, 60°, 90°	P30	1.5

Rectangular Duct Fittings

Rectangular Elbow 90° RHB



Technical Description

- **Purpose:** Designed to create a 90-degree turn in rectangular duct systems. Essential for directing airflow while maintaining the system's efficiency.
- **Customization:** Fully customizable in dimensions, thickness (0.5 - 1.2 mm), and materials. Can be manufactured to meet specific project requirements.
- **Materials:** Typically made from galvanized steel or stainless steel for durability and corrosion resistance.
- **Applications:** Widely used in HVAC systems for residential, commercial, and industrial applications. Ideal for installations where precise duct turns are required without compromising airflow.
- **Design Features:** Smooth airflow transition reduces turbulence and pressure drops. Supports efficient air distribution and minimizes noise.
- **Size Range:** Available in standard dimensions from 100 x 100 mm to 1200 x 1200 mm, with increments of 50 mm. Custom sizes can be manufactured to fit unique system layouts.

View dimensions on the next page →

Rectangular Duct Fittings

Rectangular Elbow 90° RHB

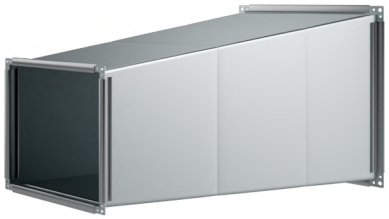


Available dimensions

Dimension 1 (a x b)	Dimension 2 (a x b)	Thickness (mm)
100x100	100x100	0.5 - 1.2
150 x 150	150 x 150	0.5 - 1.2
200 x 200	200 x 200	0.5 - 1.2
250 x 250	250 x 250	0.5 - 1.2
300 x 300	300 x 300	0.5 - 1.2
350 x 350	350 x 350	0.5 - 1.2
400 x 400	400 x 400	0.5 - 1.2
450 x 450	450 x 450	0.5 - 1.2
500 x 500	500 x 500	0.5 - 1.2
550 x 550	550 x 550	0.5 - 1.2
600 x 600	600 x 600	0.5 - 1.2
650 x 650	650 x 650	0.5 - 1.2
700 x 700	700 x 700	0.5 - 1.2
750 x 750	750 x 750	0.5 - 1.2
800 x 800	800 x 800	0.5 - 1.2
850 x 850	850 x 850	0.5 - 1.2
900 x 900	900 x 900	0.5 - 1.2
1000 x 1000	1000 x 1000	0.5 - 1.2
1050 x 1050	1050 x 1050	0.5 - 1.2
1100 x 1100	1100 x 1100	0.5 - 1.2
1150 x 1150	1150 x 1150	0.5 - 1.2
1200 x 1200	1200 x 1200	0.5 - 1.2

Rectangular Duct Fittings RSR

Rectangular Symmetric Reducer



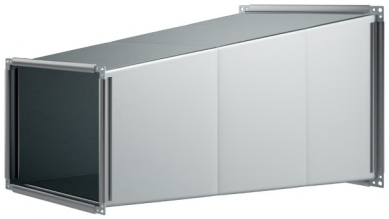
Technical Description

- **Custom Dimensions:** Reducers can be custom made starting from 100 x 100 mm inlet and outlet sizes and larger, designed for symmetrical reduction of duct dimensions.
- **Flange Types:** Both P20 and P30 flange types are available for all models, catering to different pressure and size requirements.
- **Sheet Thickness:** Ranges from 0.5 mm for small reducers to 1.5 mm for larger or high-pressure applications.
- **Length Options:** Standard lengths are determined by the transition ratio and airflow requirements, with custom lengths available as needed.
- **Material Options:** Galvanized Steel: Standard material for most HVAC systems or Stainless Steel: Ideal for high-temperature or corrosive environments.
- **Installation:** Standardized flange connections allow for quick and easy assembly.

View dimensions on the next page →

Rectangular Duct Fittings RSR

Rectangular Symmetric Reducer



Available dimensions

Inlet Width (mm)	Inlet Height (mm)	Outlet Width (mm)	Outlet Height (mm)	Length (mm)	Flange Type	Sheet Thickness (mm)
150	150	100	100	400	P20, P30	0.5
200	200	150	150	500	P20, P30	0.6
250	250	200	200	600	P20, P30	0.6
300	300	250	250	600	P20, P30	0.6
350	350	300	300	700	P20, P30	0.8
400	400	350	350	800	P20, P30	0.8
450	450	400	400	800	P20, P30	0.8
500	500	450	450	900	P20, P30	0.8
600	600	500	500	1000	P20, P30	1
700	700	600	600	1000	P20, P30	1
800	800	700	700	1100	P20, P30	1
900	900	800	800	1100	P20, P30	1.2
1000	1000	900	900	1200	P20, P30	1.2
1200	1200	1000	1000	1300	P20, P30	1.5
1400	1400	1200	1200	1400	P20, P30	1.5

Rectangular Duct Fittings

Rectangular Symmetric Tee RST



Technical Description

- **Usage of Symmetrical Tees:** Symmetrical tees are commonly used in ventilation systems to connect the main duct with branch ducts at a 90° angle. These fittings are ideal for distributing airflow to various areas of a building or facility, ensuring balanced ventilation and air distribution. They are used in commercial and industrial HVAC systems, where reliable airflow distribution is critical. Ideal for applications that require minimal pressure drop, ensuring efficient operation of the ventilation system. Suitable for residential, commercial, and industrial ducts of various sizes.

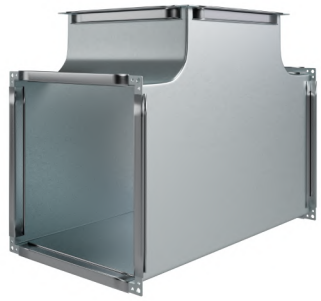
- **Customizability:** Symmetrical tees are fully customizable, allowing for adjustments in dimensions, angles, and thicknesses to meet specific system requirements. The fittings can be manufactured according to the customer's specifications, ensuring the perfect fit for any ventilation design. Customers can request tees in various sizes, including non-standard dimensions, and with thicknesses ranging from 0.5 mm to 1.2 mm.

- **Material Options:** Symmetrical tees are available in Galvanized Steel or Stainless Steel. Galvanized Steel is an excellent choice for cost-effective, corrosion-resistant applications. Stainless Steel provides enhanced durability and resistance to harsh environments, making it ideal for high-moisture or corrosive applications.

View dimensions on the next page →

Rectangular Duct Fittings

Rectangular Symmetric Tee RST



Available dimensions

Dimension 1 (a x b)	Dimension 2 (a x b)	Dimension 3 (a x b)	Thickness (mm)
100 x 100	100 x 100	100 x 100	0.5 - 1.2
150 x 150	150 x 150	150 x 150	0.5 - 1.2
200 x 200	200 x 200	200 x 200	0.5 - 1.2
250 x 250	250 x 250	250 x 250	0.5 - 1.2
300 x 300	300 x 300	300 x 300	0.5 - 1.2
350 x 350	350 x 350	350 x 350	0.5 - 1.2
400 x 400	400 x 400	400 x 400	0.5 - 1.2
450 x 450	450 x 450	450 x 450	0.5 - 1.2
500 x 500	500 x 500	500 x 500	0.5 - 1.2
550 x 550	550 x 550	550 x 550	0.5 - 1.2
600 x 600	600 x 600	600 x 600	0.5 - 1.2
650 x 650	650 x 650	650 x 650	0.5 - 1.2
700 x 700	700 x 700	700 x 700	0.5 - 1.2
750 x 750	750 x 750	750 x 750	0.5 - 1.2
800 x 800	800 x 800	800 x 800	0.5 - 1.2
850 x 850	850 x 850	850 x 850	0.5 - 1.2
900 x 900	900 x 900	900 x 900	0.5 - 1.2
1000 x 1000	1000 x 1000	1000 x 1000	0.5 - 1.2
1050 x 1050	1050 x 1050	1050 x 1050	0.5 - 1.2
1100 x 1100	1100 x 1100	1100 x 1100	0.5 - 1.2
1150 x 1150	1150 x 1150	1150 x 1150	0.5 - 1.2
1200 x 1200	1200 x 1200	1200 x 1200	0.5 - 1.2

Rectangular Duct Fittings

Rectangular Wye Tee RWT



Technical Description

- **Purpose:** Used to split airflow from one larger rectangular duct into two smaller rectangular ducts.

  Design: Typically shaped like the letter "Y" or with two bends to direct airflow into two different directions.

  Angle: Can be manufactured with custom angles based on project requirements.

  Materials: Available in galvanized steel or stainless steel, providing durability and resistance to corrosion.

- **Customization:** Fully customizable in dimensions, thickness, and material. Can be made to order according to customer specifications, ensuring the right fit for the ventilation system.

- **Applications:** Commonly used in HVAC systems to distribute air effectively and reduce turbulence.

  Functionality: Helps maintain smooth airflow and efficiency, minimizing pressure drops and energy loss.

  Manufacturing: Available in various sizes, from small residential ducts to large commercial systems.

  This fitting is ideal for projects that require flexible and efficient airflow management while maintaining structural integrity

View dimensions on the next page →

Rectangular Duct Fittings

Rectangular Wye Tee RWT

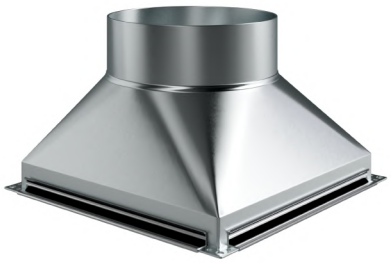


Available dimensions

Dimension 1 (a x b)	Dimension 2 (a x b)	Dimension 3 (a x b)	Thickness (mm)
100 x 100	100 x 100	100 x 100	0.5 - 1.2
150 x 150	150 x 150	150 x 150	0.5 - 1.2
200 x 200	200 x 200	200 x 200	0.5 - 1.2
250 x 250	250 x 250	250 x 250	0.5 - 1.2
300 x 300	300 x 300	300 x 300	0.5 - 1.2
350 x 350	350 x 350	350 x 350	0.5 - 1.2
400 x 400	400 x 400	400 x 400	0.5 - 1.2
450 x 450	450 x 450	450 x 450	0.5 - 1.2
500 x 500	500 x 500	500 x 500	0.5 - 1.2
550 x 550	550 x 550	550 x 550	0.5 - 1.2
600 x 600	600 x 600	600 x 600	0.5 - 1.2
650 x 650	650 x 650	650 x 650	0.5 - 1.2
700 x 700	700 x 700	700 x 700	0.5 - 1.2
750 x 750	750 x 750	750 x 750	0.5 - 1.2
800 x 800	800 x 800	800 x 800	0.5 - 1.2
850 x 850	850 x 850	850 x 850	0.5 - 1.2
900 x 900	900 x 900	900 x 900	0.5 - 1.2
1000 x 1000	1000 x 1000	1000 x 1000	0.5 - 1.2
1050 x 1050	1050 x 1050	1050 x 1050	0.5 - 1.2
1100 x 1100	1100 x 1100	1100 x 1100	0.5 - 1.2
1150 x 1150	1150 x 1150	1150 x 1150	0.5 - 1.2
1200 x 1200	1200 x 1200	1200 x 1200	0.5 - 1.2

Rectangular Duct Fittings RTST

Rectangular to Spiral Transition



Technical Description

- **Customizable design:** Rectangular to spiral transitions are available in various sizes and diameters to fit specific system needs.
- **Wide diameter compatibility:** Supports spiral duct diameters from small (125 mm) to large (1600 mm).
- **Thickness flexibility:** Material thickness ranges from 0.6 mm to 1.2 mm, offering strength and durability.
- **Customer specifications:** Can be produced according to precise client requirements for custom installations.
- **Enhanced noise reduction:** Helps in maintaining quiet operation by minimizing sound transmission during airflow conversion.
- **Easy installation:** Designed for quick and straightforward integration into existing HVAC systems.

The Rectangular to Spiral Transition is a crucial component in HVAC systems, facilitating the smooth conversion of airflow from rectangular ducts to spiral (round) ducts.

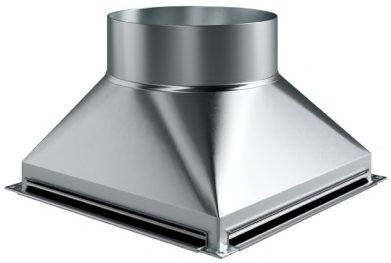
This transition ensures minimal turbulence, maintaining efficient airflow while reducing noise and pressure drops. It is adaptable to various sizes and diameters, making it a versatile solution for both commercial and industrial HVAC applications.

By optimizing airflow, it enhances system performance, ensuring a quiet and energy-efficient operation.

View dimensions on the next page →

Rectangular Duct Fittings RTST

Rectangular to Spiral Transition



Available dimensions

Rectangular Width (mm)	Rectangular Height (mm)	Spiral Diameter (mm)	Thickness (mm)
100	100	125, 180	0.6 - 1.2
150	150	160, 225	0.6 - 1.2
200	200	200, 250, 315	0.6 - 1.2
250	250	250, 315, 400	0.6 - 1.2
300	300	300, 400, 500	0.6 - 1.2
350	350	350, 450, 500	0.6 - 1.2
400	400	400, 500, 630	0.6 - 1.2
450	450	450, 500, 630	0.6 - 1.2
500	500	500, 630, 800	0.6 - 1.2
600	600	600, 630, 800	0.6 - 1.2
700	700	700, 800, 1000	0.6 - 1.2
750	750	750, 800, 1000	0.6 - 1.2
800	800	800, 1000, 1200	0.6 - 1.2
900	900	900, 1000, 1250	0.6 - 1.2
1000	1000	1000, 1250, 1400	0.6 - 1.2
1100	1100	1100, 1250, 1400	0.6 - 1.2
1200	1200	1200, 1400	0.6 - 1.2
1300	1200	1300, 1400, 1600	0.6 - 1.2
1400	1300	1400, 1600	0.6 - 1.2

Rectangular Duct Fittings

Rectangular Symmetric Offset RSO



Fully Customizable

- **Dimensions:** Rectangular symmetric offsets can be customized to meet specific project requirements, with a wide range of size combinations for optimal fit.
- **Offset Angle:** The offset angle can be adjusted according to the customer's needs, providing flexibility in the duct system's directional changes.
- **Thickness:** Available in thicknesses ranging from 0.5 mm to 1.2 mm, allowing for various durability and performance options.
- **Material Options:** Manufactured in Galvanized Steel for economical, corrosion-resistant performance or Stainless Steel for superior strength and resistance in demanding environments.

Applications

- **Used in Ventilation Systems:** Rectangular symmetric offsets are commonly used in HVAC systems to modify the duct direction while keeping the duct dimensions symmetrical.
- **For Smooth Directional Changes:** Ideal for when a symmetrical shift in the duct direction is needed, allowing for a continuous and smooth airflow transition.
- **Duct Size Transitions:** Used for moving from one duct size to another, ensuring minimal disruption to airflow and maintaining consistent pressure.

View dimensions on the next page →

Rectangular Duct Fittings

Rectangular Symmetric Offset RSO

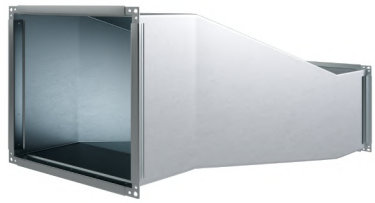


Available dimensions

Dimension 1 (a x b)	Dimension 2 (a x b)	Thickness (mm)
100 x 100	100 x 100	0.5 - 1.2
150 x 150	150 x 150	0.5 - 1.2
200 x 200	200 x 200	0.5 - 1.2
250 x 250	250 x 250	0.5 - 1.2
300 x 300	300 x 300	0.5 - 1.2
350 x 350	350 x 350	0.5 - 1.2
400 x400	400 x400	0.5 - 1.2
450 x450	450 x450	0.5 - 1.2
500 x 500	500 x 500	0.5 - 1.2
550 x 550	550 x 550	0.5 - 1.2
600 x 600	600 x 600	0.5 - 1.2
650 x 650	650 x 650	0.5 - 1.2
700 x 700	700 x 700	0.5 - 1.2
750 x 750	750 x 750	0.5 - 1.2
800 x 800	800 x 800	0.5 - 1.2
850 x 850	850 x 850	0.5 - 1.2
900 x 900	900 x 900	0.5 - 1.2
1000 x 1000	1000 x 1000	0.5 - 1.2
1050 x 1050	1050 x 1050	0.5 - 1.2
1100 x 1100	1100 x 1100	0.5 - 1.2
1150 x 1150	1150 x 1150	0.5 - 1.2
1200 x 1200	1200 x 1200	0.5 - 1.2

Rectangular Duct Fittings RAO

Rectangular Assymmetric Offset



Fully Customizable

- **Dimensions:** Rectangular symmetric offsets can be customized to meet specific project requirements, with a wide range of size combinations for optimal fit.
- **Offset Angle:** The offset angle can be adjusted according to the customer's needs, providing flexibility in the duct system's directional changes.
- **Thickness:** Available in thicknesses ranging from 0.5 mm to 1.2 mm, allowing for various durability and performance options.
- **Material Options:** Manufactured in Galvanized Steel for economical, corrosion-resistant performance or Stainless Steel for superior strength and resistance in demanding environments.
- **Changing Duct Direction:** They are ideal for shifting duct paths when obstacles are present or when a non-perpendicular duct connection is needed.
- **Adapting Duct Sizes:** These offsets help transition between ducts of different sizes, ensuring smooth airflow without turbulence or pressure loss.
- **Space Efficiency:** Often used when space constraints require a non-linear path for the ductwork, facilitating effective ventilation in complex layouts.

View dimensions on the next page →

Rectangular Assymmetric Offset

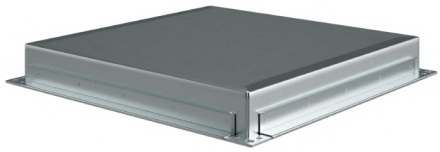


Available dimensions

Dimension 1 (a x b)	Dimension 2 (a x b)	Thickness (mm)
100 x 100	150 x 100	0.5 - 1.2
150 x 150	200 x 150	0.5 - 1.2
200 x 200	250 x 200	0.5 - 1.2
250 x 250	300 x 250	0.5 - 1.2
300 x 300	350 x 300	0.5 - 1.2
350 x 350	400 x 350	0.5 - 1.2
400 x400	450 x400	0.5 - 1.2
450 x450	500 x450	0.5 - 1.2
500 x 500	550 x 500	0.5 - 1.2
550 x 550	600 x 550	0.5 - 1.2
600 x 600	650 x 600	0.5 - 1.2
650 x 650	700 x 650	0.5 - 1.2
700 x 700	750 x 700	0.5 - 1.2
750 x 750	800 x 750	0.5 - 1.2
800 x 800	850 x 800	0.5 - 1.2
850 x 850	900 x 850	0.5 - 1.2
900 x 900	1000 x 900	0.5 - 1.2
1000 x 1000	1050 x 1000	0.5 - 1.2
1050 x 1050	1100 x 1050	0.5 - 1.2
1100 x 1100	1150 x 1100	0.5 - 1.2
1150 x 1150	1200 x 1150	0.5 - 1.2
1200 x 1200	1250 x 1200	0.5 - 1.2

Rectangular Duct Fittings

Rectangular Duct End Cap REC



Technical Description

- Available in sizes from 100x100 mm to 1600x1600 mm.
- Can be fitted with P20 or P30 flange profiles.
- Thickness options range from 0.5 mm to 1.5 mm.
- Fully customizable to order, tailored to exact customer specifications.
- Made from galvanized steel or stainless steel for enhanced durability.
- Designed for HVAC systems, ensuring a secure seal and efficient protection.

Available dimensions

Height (mm)	Width (mm)	Flange Profile	Thickness (mm)
100	100	P20, P30	0.5
150	150	P20, P30	0.5
200	200	P20, P30	0.6
250	250	P20, P30	0.6
300	300	P20, P30	0.6
350	350	P20, P30	0.6
400	400	P20, P30	0.8
450	450	P20, P30	0.8
500	500	P20, P30	0.8
600	600	P20, P30	1
700	700	P20, P30	1
800	800	P20, P30	1
900	900	P20, P30	1
1000	1000	P20, P30	1.2
1200	1200	P20, P30	1.2
1400	1400	P20, P30	1.5
1600	1600	P20, P30	1.5

Accessories



A full range of fittings and components to enhance system efficiency, ensuring seamless integration and durability.

General Accessories

C-Clamps SDC



Purpose

- C-clamps are used in ductwork installations to secure the ducts to structural elements, such as walls, ceilings, or support beams.
- They are commonly employed to anchor duct sections, particularly in areas where there may be vibration, movement, or the need for additional stability.
- These clamps are designed to prevent shifting and maintain alignment of the duct system during installation and operation.

Design and Construction

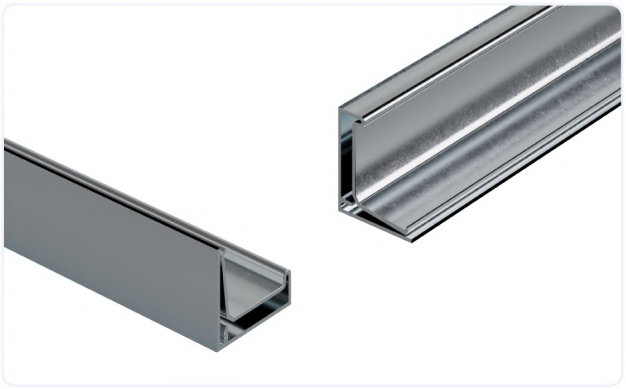
- C-clamps are typically made from galvanized steel.
- The C-shape allows the clamp to wrap around the duct, providing a secure fit that prevents slipping or movement.
- The clamp features an adjustable bolt (M8) that allows for tightening and securing the clamp firmly around the duct.
- C-clamps are easy to install, typically requiring only basic tools such as a wrench
- Multiple clamps may be used for larger ducts or longer sections to ensure the ductwork remains securely in place.

Available dimensions

Code	Description	Material Thickness	Material	Fastener
100	C-Clamp	2.0 mm	Galvanized Steel	M8 Bolt

General Accessories DFI20 DFI30

Duct Flange ISO 20 & ISO 30



Purpose

- ISO flange profiles are used in ductwork systems to connect different sections of ducts securely and ensure a tight, leak-proof seal.
- The flanges provide a reliable method of joining duct sections and enable easy assembly and disassembly, which is essential during installation and maintenance.

Standardization and Compatibility

- These flange profiles adhere to the ISO standard for duct connections, ensuring they meet international quality and compatibility requirements.
- Model 20 and Model 30 are standardized for various duct materials (e.g., galvanized steel, stainless steel, aluminum), and can be used in a wide range of industrial and commercial duct systems.
- These models are compatible with rectangular, square, and round ducts with specified dimensions, providing a versatile connection solution.

Flange Design and Construction

- **Model 20 Flange:**
  Typically designed for smaller ducts or systems with moderate pressure and flow requirements.
- The flange profile is 20 mm in height, which provides a compact and efficient design for standard applications.
- It is commonly used for low-to-medium airflow systems where durability and ease of installation are key.
- Manufactured from high-quality steel (galvanized or stainless) to withstand environmental conditions and ensure a long service life.

Model 30 Flange:

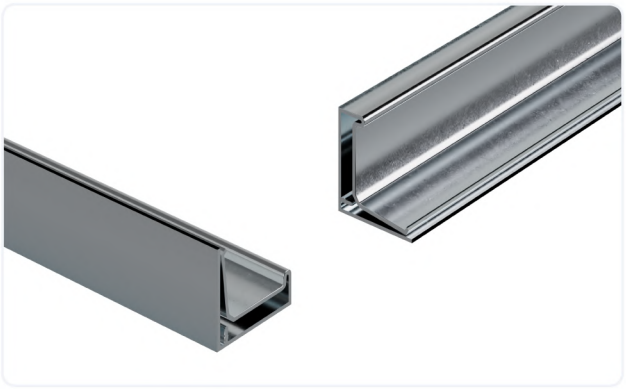
- Designed for larger ducts or systems with higher pressure and airflow requirements.
- The flange profile is 30 mm in height, offering a more robust connection and ensuring a stronger and more secure seal for heavy-duty applications.
- It is typically used for industrial-grade systems and for applications where high volumes of air or extreme environmental conditions exist.
- Made from corrosion-resistant materials to prevent degradation and ensure durability under demanding conditions.

Installation:

- These flanges are installed by aligning the flanged edges of the duct sections and securing them together with bolts and nuts.
- Rubber gaskets or sealing rings are often used between the flange faces to create an airtight seal, preventing air leaks.
- Bolts are tightened in a diagonal pattern to ensure an even distribution of pressure across the flange and maintain a secure connection.
- These flanges can be easily installed or replaced during regular maintenance without disrupting the rest of the duct system.

General Accessories DFI20 DFI30

Duct Flange ISO 20 & ISO 30



Benefits

- **Leak-proof connections:** The flange design, combined with the use of gaskets or sealing rings, ensures a tight seal, minimizing the risk of air leakage.
- **Durability:** Both Model 20 and Model 30 flanges are made from high-strength materials that provide excellent resistance to rust, corrosion, and other environmental factors, ensuring longevity and reliability.
- **Ease of installation:** These flanges allow for quick and efficient installation and can be easily disassembled for maintenance or system upgrades.
- **Flexibility:** The standardization of ISO flanges means that they can be used in a wide variety of duct systems across different industries.

Applications

ISO flanges are used in a wide range of applications, including:

- HVAC systems (Heating, Ventilation, and Air Conditioning)
- Industrial ventilation systems
- Dust extraction systems
- Exhaust systems in commercial or industrial environments
- Cleanroom environments where maintaining air quality and tight seals is critical
- Both Model 20 and Model 30 flanges are particularly suitable for systems with high airflow and medium-to-high pressure.

Maintenance

- Routine inspection of the flange connections is essential to ensure tightness and integrity over time.
- Loose bolts should be tightened periodically to prevent loosening due to vibrations.
- Flange gaskets and seals may need to be replaced periodically to ensure optimal performance and prevent air leakage.
- Any signs of rust or damage to the flanges should be addressed immediately to prevent compromising the entire duct system.

Available dimensions

Model	Flange Height (mm)	Flange Thickness (mm)
Model 20	20	0.7
Model 30	30	0.7

Duct Size Range (mm)	Material	Length Options (mm)
100x100 to 1200x1200	Galvanized Steel	3000, 4000, 5000, 6000
100x100 to 1200x1200	Galvanized Steel	3000, 4000, 5000, 6000

General Accessories FSC20 FSC30

Flange Corner S20 & S30



Benefits

- **S20 and S30 Flange Corners**
  The S20 and S30 flange corners are designed for use with their respective flange models, S20 and S30, providing secure and reliable connections in HVAC duct systems. These corners are made from high-quality galvanized steel, offering excellent resistance to corrosion and ensuring long-lasting performance in demanding environments.
- The corner material thickness of 2 mm ensures the corners are durable and can withstand the mechanical stresses often encountered in ventilation systems. The slotted hole type facilitates easy installation and adjustment, allowing for precise alignment and secure fastening of the flange sections.
- These flange corners are ideal for applications where durability, ease of installation, and resistance to environmental factors are important considerations. With their robust design and versatile features, the S20 and S30 corners provide a reliable solution for ducting needs.

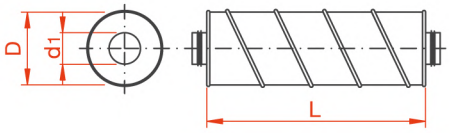
Available dimensions

Model	Corner Type	Flange Model	Material Thickness	Material	Hole Type
S20	Standard Corner	S20	2 mm	Galvanized Steel	Slotted Hole
S30	Standard Corner	S30	2 mm	Galvanized Steel	Round Hole

General Accessories

Spiral Duct Sound Attenuator SDSA





Technical Description

- Circular sound attenuators, also called silencers, are designed to reduce noise levels in HVAC (Heating, Ventilation, and Air Conditioning) systems. They are primarily installed in ductwork to minimize noise generated by fans, airflow, or mechanical equipment.
- **Shape:** Cylindrical design to fit into round duct systems.
- **Materials:** Typically constructed from galvanized steel or stainless steel with sound-absorbing linings made from mineral wool or perforated metal.

Benefits

- Enhanced occupant comfort by reducing noise pollution.
- Improved productivity in commercial and industrial environments.
- Compliance with noise control regulations.

Applications

- High-performance ventilation systems
- Industrial HVAC setups
- Office buildings, hospitals, and theaters
- Cleanrooms and laboratories

Available dimensions

Nominal Size (DN)	Internal Diameter Ød (mm)	External Diameter ØD (mm)	Available Lengths (mm)
100	100	200	500, 600, 900, 1000, 1500
125	125	225	500, 600, 900, 1000, 1500
160	160	280	500, 600, 900, 1000, 1500
200	200	315	500, 600, 900, 1000, 1500
250	250	355	500, 600, 900, 1000, 1500
315	315	450	500, 600, 900, 1000, 1500
400	400	500	500, 900, 1000, 1500

Rectangular Duct Sound Attenuator RDSA



Technical Description

- **Versatile sizes:** Available in a wide range of heights, widths, and lengths for various applications.
- **Multiple thickness options:** Standard thickness range from 0.6 mm to 1.2 mm.
- **Flange profile options:** Choose between ISO 20 and ISO 30 for tailored installation needs.
- **Effective noise reduction:** Designed for high-efficiency sound attenuation in HVAC systems.
- **Durable construction:** Built with quality materials to ensure long-lasting performance.
- **Customizable:** Specific dimensions can be adjusted based on project requirements.

Rectangular sound attenuators are vital components in HVAC systems, primarily used to reduce noise levels in air ducts.

By controlling air turbulence and sound waves, they minimize unwanted noise caused by airflow and mechanical equipment. Their design allows for effective noise control without significantly impacting system efficiency.

These silencers are customizable to fit various duct sizes and are suitable for both commercial and industrial applications, ensuring quiet operation in environments that require minimal disruption from sound.

View dimensions on the next page →

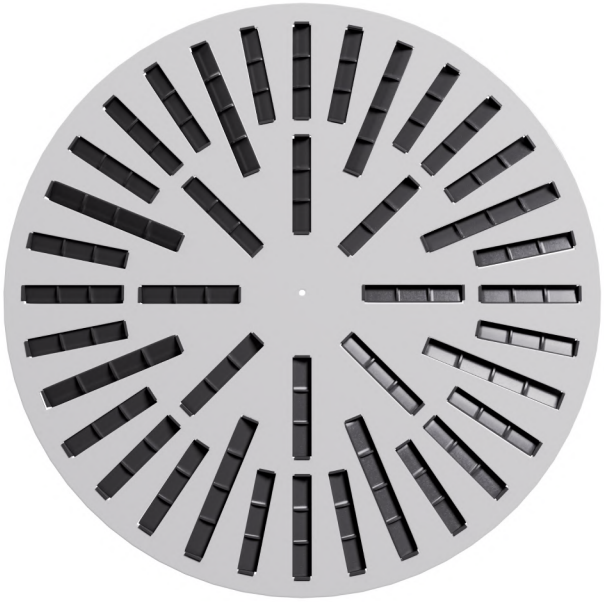
Rectangular Duct Sound Attenuator RDSA



Available dimensions

Height (mm)	Width (mm)	Length (mm)	Flange Profile	Thickness (mm)
150	250	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
150	300	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
150	350	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
150	400	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
200	250	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
200	300	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
200	350	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
200	400	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
200	450	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
200	500	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
250	250	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
250	300	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm
250	350	500, 750, 1000, 1250, 1500	ISO 20, ISO 31	0.6 - 1.2 mm
250	400	500, 750, 1000, 1250, 1500	ISO 20, ISO 32	0.6 - 1.2 mm
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1500	1500	500, 750, 1000, 1250, 1500	ISO 20, ISO 30	0.6 - 1.2 mm

Swirl Diffusers



Engineered for optimal air distribution, ensuring comfort with high efficiency and modern design.

Swirl Diffusers



Designs and Faceplates

- Models come in two faceplate types: Square Faceplate and Round Faceplate, both with Round Designs.
- The faceplates are designed for various diameters (for round faceplates) and sizes (for square faceplates).
- The diffusers feature a swirl pattern that helps in creating an effective air distribution system, with the air being released in a circular, swirling motion.

Blade counts vary based on the model size and faceplate design:

- Models such as Φ300 and Φ400 have up to 16 blades.
- Larger models like Φ600 and Φ625 have a broader range from 8 blades up to 54 blades.
- Φ800 and Φ825 have high blade counts of 72 and 80 blades, respectively.
- These blades help in directing airflow evenly across the space, reducing drafts and creating a uniform distribution of air.

- **All models are powder-coated with a durable finish in white (RAL 9010)**
- **Color Customization:** While the standard color is white (RAL 9010), diffusers can be custom powder-coated to any desired RAL color according to customer preferences, allowing for better integration with interior design themes and architectural requirements.
- The powder coating adds to the product's longevity, preventing corrosion and ensuring a smooth, easy-to-clean surface.

Diameter/Size Variations:

- For Round Designs, the nominal diameters range from Φ300 to Φ825.
- For Square Designs, nominal dimensions range from 300x300 mm to 825x825 mm.

Swirl diffusers are often used in commercial and residential applications, including:

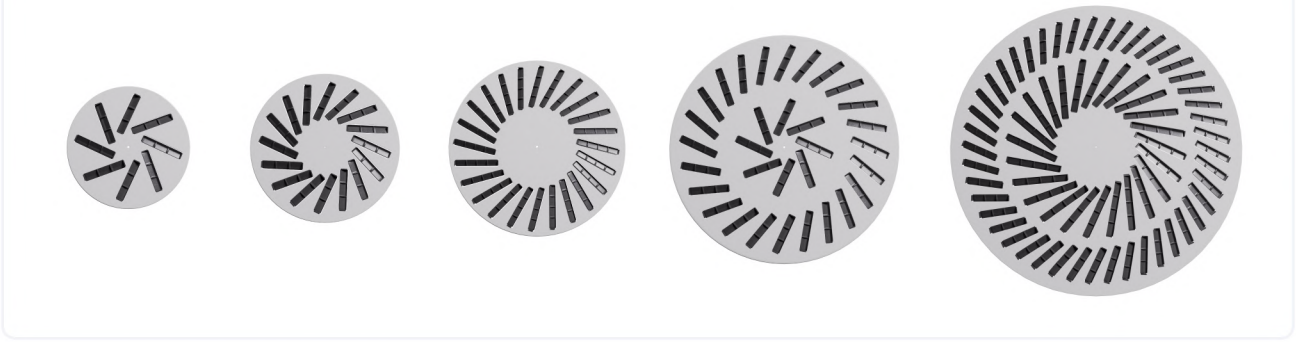
- Offices
- Classrooms
- Retail environments
- Restaurants
- Airports
- Public venues

Performance and Efficiency

- Swirl diffusers are known for their high-performance air distribution. They generate a swirl that mixes the air within the room, preventing cold spots and ensuring even air circulation.
- They also help reduce noise levels by diffusing the air in a gentle manner, avoiding the harsh sound of direct airflow.
- The swirling effect contributes to more efficient cooling and heating, making the environment more comfortable.

Swirl Diffusers and Plenums RFRD

Round Faceplate Round Design

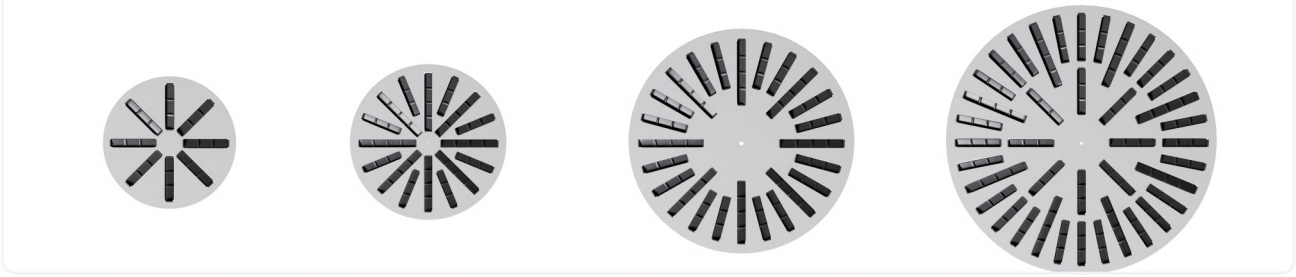


Available dimensions

Code	Nominal Diameter (mm)	Actual Diameter (mm)	Number of Blades
SD-RF-RD-300-8	Φ300	Φ298	8 Blades
SD-RF-RD-400-8	Φ400	Φ398	8 Blades
SD-RF-RD-400-16	Φ400	Φ398	16 Blades
SD-RF-RD-500-8	Φ500	Φ498	8 Blades
SD-RF-RD-500-16	Φ500	Φ498	16 Blades
SD-RF-RD-500-24	Φ500	Φ498	24 Blades
SD-RF-RD-600-8	Φ600	Φ598	8 Blades
SD-RF-RD-600-16	Φ600	Φ598	16 Blades
SD-RF-RD-600-24	Φ600	Φ598	24 Blades
SD-RF-RD-600-24L	Φ600	Φ598	24 Blades
SD-RF-RD-600-32	Φ600	Φ598	32 Blades
SD-RF-RD-600-40	Φ600	Φ598	40 Blades
SD-RF-RD-600-48	Φ600	Φ598	48 Blades
SD-RF-RD-625-8	Φ625	Φ623	8 Blades
SD-RF-RD-625-16	Φ625	Φ623	16 Blades
SD-RF-RD-625-24	Φ625	Φ623	24 Blades
SD-RF-RD-625-24L	Φ625	Φ623	24L Blades
SD-RF-RD-625-32	Φ625	Φ623	32 Blades
SD-RF-RD-625-40	Φ625	Φ623	40 Blades
SD-RF-RD-625-48	Φ625	Φ623	48 Blades
SD-RF-RD-625-54	Φ625	Φ623	54 Blades
SD-RF-RD-800-72	Φ800	Φ798	72 Blades
SD-RF-RD-825-80	Φ825	Φ823	80 Blades

Swirl Diffusers and Plenums RFSD

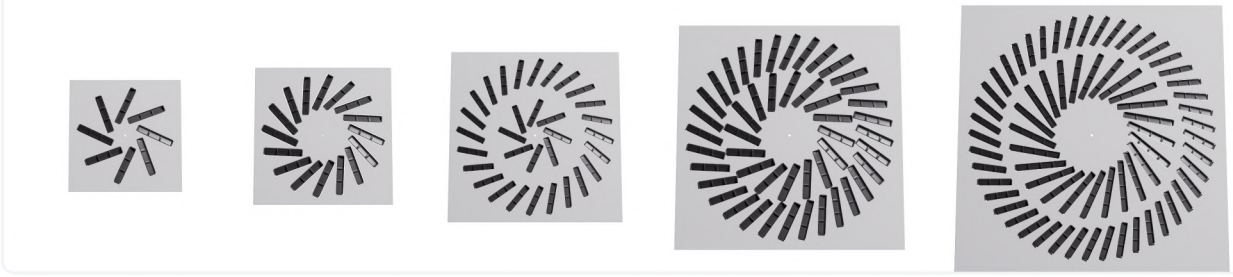
Round Faceplate Square Design



Available dimensions

Code	Nominal Size (mm)	Actual Size (mm)	Number of Blades
SD-RF-SD-300-8	300x300	298x298	8 Blades
SD-RF-SD-400-8	400x400	398x398	8 Blades
SD-RF-SD-400-16	400x400	398x398	16 Blades
SD-RF-SD-500-8	500x500	498x498	8 Blades
SD-RF-SD-500-16	500x500	498x498	16 Blades
SD-RF-SD-500-24	500x500	498x498	24 Blades
SD-RF-SD-600-8	600x600	598x598	8 Blades
SD-RF-SD-600-16	600x600	598x598	16 Blades
SD-RF-SD-600-24	600x600	598x598	24 Blades
SD-RF-SD-600-40	600x600	598x598	40 Blades
SD-RF-SD-625-8	625x625	623x623	8 Blades
SD-RF-SD-625-16	625x625	623x623	16 Blades
SD-RF-SD-625-24	625x625	623x623	24 Blades
SD-RF-SD-625-40	625x625	623x623	40 Blades
SD-RF-SD-800-64	800x800	798x798	64 Blades
SD-RF-SD-825-64	825x825	823x823	64 Blades

Square Faceplate Round Design

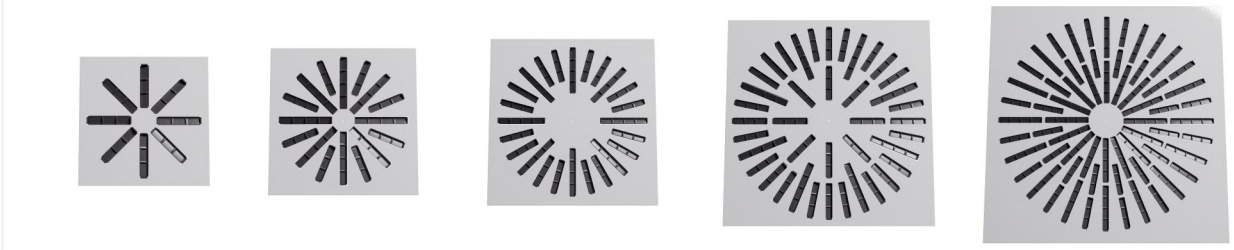


Available dimensions

Code	Nominal Diameter (mm)	Actual Diameter (mm)	Number of Blades
SD-SF-RD-300-8	Φ300	Φ298	8 Blades
SD-SF-RD-400-8	Φ400	Φ398	8 Blades
SD-SF-RD-400-16	Φ400	Φ398	16 Blades
SD-SF-RD-500-8	Φ500	Φ498	8 Blades
SD-SF-RD-500-16	Φ500	Φ498	16 Blades
SD-SF-RD-500-24	Φ500	Φ498	24 Blades
SD-SF-RD-600-8	Φ600	Φ598	8 Blades
SD-SF-RD-600-16	Φ600	Φ598	16 Blades
SD-SF-RD-600-24	Φ600	Φ598	24 Blades
SD-SF-RD-600-24L	Φ600	Φ598	24 Blades
SD-SF-RD-600-32	Φ600	Φ598	32 Blades
SD-SF-RD-600-40	Φ600	Φ598	40 Blades
SD-SF-RD-600-48	Φ600	Φ598	48 Blades
SD-SF-RD-625-8	Φ625	Φ623	8 Blades
SD-SF-RD-625-16	Φ625	Φ623	16 Blades
SD-SF-RD-625-24	Φ625	Φ623	24 Blades
SD-SF-RD-625-24L	Φ625	Φ623	24L Blades
SD-SF-RD-625-32	Φ625	Φ623	32 Blades
SD-SF-RD-625-40	Φ625	Φ623	40 Blades
SD-SF-RD-625-48	Φ625	Φ623	48 Blades
SD-SF-RD-625-54	Φ625	Φ623	54 Blades
SD-SF-RD-800-72	Φ800	Φ798	72 Blades
SD-SF-RD-825-80	Φ825	Φ823	80 Blades

Swirl Diffusers and Plenums SFSD

Square Faceplate Square Design



Available dimensions

Code	Nominal Size (mm)	Actual Size (mm)	Number of Blades
SD-SF-SD-300-8	300x300	298x298	8 Blades
SD-SF-SD-400-8	400x400	398x398	8 Blades
SD-SF-SD-400-16	400x400	398x398	16 Blades
SD-SF-SD-500-8	500x500	498x498	8 Blades
SD-SF-SD-500-16	500x500	498x498	16 Blades
SD-SF-SD-500-24	500x500	498x498	24 Blades
SD-SF-SD-600-8	600x600	598x598	8 Blades
SD-SF-SD-600-16	600x600	598x598	16 Blades
SD-SF-SD-600-24	600x600	598x598	24 Blades
SD-SF-SD-600-40	600x600	598x598	40 Blades
SD-SF-SD-625-8	625x625	623x623	8 Blades
SD-SF-SD-625-16	625x625	623x623	16 Blades
SD-SF-SD-625-24	625x625	623x623	24 Blades
SD-SF-SD-625-40	625x625	623x623	40 Blades
SD-SF-SD-800-64	800x800	798x798	64 Blades
SD-SF-SD-825-64	825x825	823x823	64 Blades

Plenum Boxes



Designed for even airflow distribution, reducing noise while enhancing ventilation system performance.

Plenum Boxes



What are Plenum Boxes?

- Plenum boxes are essential components used in HVAC (Heating, Ventilation, and Air Conditioning) systems. They act as junctions where conditioned air is distributed from ductwork to air outlets such as grilles or diffusers. They help regulate airflow, reduce noise, and maintain even air distribution.

  Types of Plenum Boxes:

  Rectangular Plenum Boxes:
  Ideal for installations with rectangular duct systems. Often used in commercial and residential spaces.

  Circular Plenum Boxes:
  Compatible with round duct systems. Common in industrial applications or spaces with space constraints.

Key Features of Plenum Boxes:

- **Material:** Typically made from galvanized steel for durability and resistance to corrosion.
- **Connection Types:** Available in horizontal and vertical configurations to accommodate different installation needs.

Insulation Options: Plenum boxes can be equipped with internal insulation to reduce condensation, minimize heat loss, and provide soundproofing. Common insulation thicknesses include 6mm, 9mm, and 13mm.

Thickness: Standard options include 0.6mm and 0.8mm, providing flexibility for structural and airflow considerations.

Applications

- Offices, shopping malls, hospitals, and industrial plants.
- Used to optimize air distribution in spaces requiring uniform temperature control.
- Suitable for custom HVAC installations where noise reduction and efficient airflow are priorities.

Supply and Extraction Installations

Plenum boxes can be installed for both supply and extraction of air in combination with swirl diffusers.

This setup provides effective air distribution, supports efficient ventilation, and ensures better thermal comfort in large spaces.

Swirl diffusers, known for their ability to deliver air at different angles and velocities, complement plenum boxes by enhancing air circulation and maintaining indoor air quality.

Code	Connection Type	Plenum Shape	Material	Thickness Options (mm)	Insulation Options
PB-RP-HC	Horizontal	Rectangular	Galvanized Steel	0.6, 0.8	No Insulation, 6mm, 9mm, 13mm
PB-RP-VC	Vertical	Rectangular	Galvanized Steel	0.6, 0.8	No Insulation, 6mm, 9mm, 13mm
PB-CP-HC	Horizontal	Circular	Galvanized Steel	0.6, 0.8	No Insulation, 6mm, 9mm, 13mm
PB-CP-VC	Vertical	Circular	Galvanized Steel	0.6, 0.8	No Insulation, 6mm, 9mm, 13mm

Swirl Diffusers and Plenums

Rectangular Plenum Horizontal Connection RPHC



Available dimensions

Code	Dimensions (mm)	Connection Diameter (Φ, mm)	Material Type	Thickness Options (mm)
RP-HC-300	290x290x240	Φ158	Galvanized Steel	0.6, 0.8
RP-HC-400	390x390x240	Φ158	Galvanized Steel	0.6, 0.8
RP-HC-400-1	390x390x240	Φ198	Galvanized Steel	0.6, 0.8
RP-HC-500	490x490x280	Φ198	Galvanized Steel	0.6, 0.8
RP-HC-600-1	590x590x280	Φ198	Galvanized Steel	0.6, 0.8
RP-HC-600-2	590x590x330	Φ248	Galvanized Steel	0.6, 0.8
RP-HC-600-3	590x590x400	Φ313	Galvanized Steel	0.6, 0.8
RP-HC-625-1	615x615x280	Φ198	Galvanized Steel	0.6, 0.8
RP-HC-625-2	615x615x330	Φ248	Galvanized Steel	0.6, 0.8
RP-HC-625-3	615x615x400	Φ313	Galvanized Steel	0.6, 0.8
RP-HC-800	790x790x400	Φ313	Galvanized Steel	0.6, 0.8
RP-HC-825	815x815x400	Φ313	Galvanized Steel	0.6, 0.8

Swirl Diffusers and Plenums

Rectangular Plenum Vertical Connection RPVC



Available dimensions

Code	Dimensions (mm)	Connection Diameter (Φ, mm)	Material Type	Thickness Options (mm)
RP-VC-300	290x290x240	Φ158	Galvanized Steel	0.6, 0.8
RP-VC-400	390x390x240	Φ158	Galvanized Steel	0.6, 0.8
RP-VC-400-1	390x390x240	Φ198	Galvanized Steel	0.6, 0.8
RP-VC-500	490x490x280	Φ198	Galvanized Steel	0.6, 0.8
RP-VC-600-1	590x590x280	Φ198	Galvanized Steel	0.6, 0.8
RP-VC-600-2	590x590x330	Φ248	Galvanized Steel	0.6, 0.8
RP-VC-600-3	590x590x400	Φ313	Galvanized Steel	0.6, 0.8
RP-VC-625-1	615x615x280	Φ198	Galvanized Steel	0.6, 0.8
RP-VC-625-2	615x615x330	Φ248	Galvanized Steel	0.6, 0.8
RP-VC-625-3	615x615x400	Φ313	Galvanized Steel	0.6, 0.8
RP-VC-800	790x790x400	Φ313	Galvanized Steel	0.6, 0.8
RP-VC-825	815x815x400	Φ313	Galvanized Steel	0.6, 0.8

Swirl Diffusers and Plenums

Circular Plenum Horizontal Connection CPHC

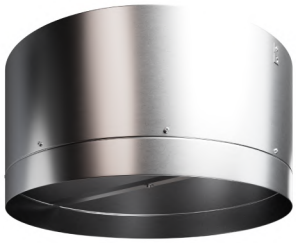


Available dimensions

Code	Plenum Diameter (Φ, mm)	Connection Diameter (Φ, mm)	Height (mm)	Material Type	Thickness Options (mm)
CP-HC-300	Φ300	Φ158	250	Galvanized Steel	0.6, 0.8
CP-HC-400	Φ400	Φ198	290	Galvanized Steel	0.6, 0.8
CP-HC-500	Φ500	Φ198	290	Galvanized Steel	0.6, 0.8
CP-HC-600-1	Φ600	Φ198	290	Galvanized Steel	0.6, 0.8
CP-HC-600-2	Φ600	Φ248	340	Galvanized Steel	0.6, 0.8
CP-HC-625-1	Φ625	Φ198	290	Galvanized Steel	0.6, 0.8
CP-HC-625-2	Φ625	Φ248	340	Galvanized Steel	0.6, 0.8
CP-HC-800	Φ800	Φ313	405	Galvanized Steel	0.6, 0.8
CP-HC-825	Φ825	Φ313	405	Galvanized Steel	0.6, 0.8

Swirl Diffusers and Plenums

Circular Plenum Vertical Connection CPVC



Available dimensions

Code	Plenum Diameter (Φ, mm)	Connection Diameter (Φ, mm)	Height (mm)	Material Type	Thickness Options (mm)
CP-VC-300	Φ300	Φ158	200	Galvanized Steel	0.6, 0.8
CP-VC-400	Φ400	Φ198	200	Galvanized Steel	0.6, 0.8
CP-VC-500	Φ500	Φ198	200	Galvanized Steel	0.6, 0.8
CP-VC-600-1	Φ600	Φ198	300	Galvanized Steel	0.6, 0.8
CP-VC-600-2	Φ600	Φ248	300	Galvanized Steel	0.6, 0.8
CP-VC-625-1	Φ625	Φ198	300	Galvanized Steel	0.6, 0.8
CP-VC-625-2	Φ625	Φ248	300	Galvanized Steel	0.6, 0.8
CP-VC-800	Φ800	Φ313	300	Galvanized Steel	0.6, 0.8
CP-VC-825	Φ825	Φ313	300	Galvanized Steel	0.6, 0.8

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