HSVent

EDITION 2026

MANUFACTURING OF VENTILATION SYSTEMS · SARAJEVO

TECHNICAL CATALOGUE

Standard range of rectangular ventilation ducts and fittings, SPIRO spiral round ductwork, custom-built sheet metal elements and CNC plasma metal cutting.

RECTANGULAR DUCTS | DUCT FITTINGS | SPIRO DUCTS | SPECIAL ELEMENTS | CNC UP TO 10 MM

20,000+ m²
monthly capacity

700 m²
production hall

up to 10 mm
CNC plasma cutting

1 – 7 days
standard delivery

HSVent d.o.o. Sarajevo · Rakovička cesta 122, 71210 Ilidža

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00 Custom Ventilation Ductwork Manufacturing

From project drawings and CNC plasma cutting to finished elements ready for site installation

HSVent d.o.o. Sarajevo is a specialized manufacturer of rectangular and spiral (SPIRO) ventilation ducts, custom duct fittings and architectural sheet-metal elements for commercial, hospitality, residential and industrial facilities.

In our own **700 m²** production facility in Ilidža, Sarajevo, we combine CNC plasma cutting, precision sheet bending, flange fabrication and strict quality control at every stage — delivering over **20,000 m²** monthly within **1 to 7 days**.

As a direct manufacturer without middlemen, we partner with construction companies, investors, HVAC contractors, hotels, restaurants, shopping centres and industrial plants across Bosnia and Herzegovina and the region.

PRODUCTION PROCESS

01 Design & specification
Review of drawings, dimensions and duct run requirements

02 CNC plasma cutting
Millimetre precision for sheet metal 0.6 – 10 mm

03 Bending & assembly
Clean folded seams, lock-seams and flange connections

04 Inspection & delivery
Dimensional verification and fast dispatch to site



HSVENT PRODUCTION FACILITY
Rakovička cesta 122 · 71210 Ilidža, Sarajevo



HALL INTERIOR · 700 M²
CNC plasma table, folding presses, seamers & SPIRO line

Company name	**HSVent d.o.o. Sarajevo**
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E-mail / Web	**info@hsvent.ba · https://hsvent.ba/en/**
Tax / VAT ID	**4203632580005 / 203632580005**

20,000+ m² monthly output capacity

700 m² in-house production hall

0.6 – 10 mm sheet cutting range

1 – 7 days typical delivery window

00 Catalogue Contents & Technical Legend

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NON-STANDARD DIMENSIONS

Any dimensions outside standard tables, eccentric reducers, special transitions and bespoke parts are built to your drawing or sketch.

TECHNICAL SYMBOL LEGEND

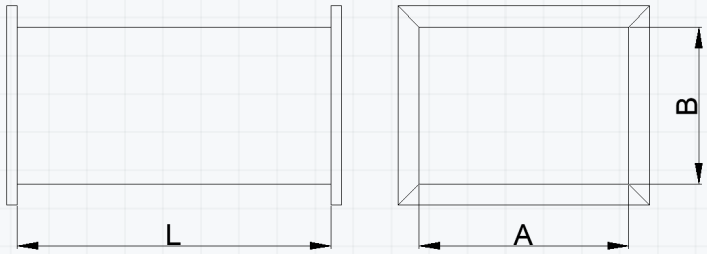
All linear dimensions in technical drawings and tables are stated in millimetres (mm)

A, B	Internal dimensions of main rectangular duct cross-section (width × height in mm)
ØD, Ød, Ød$_1$, Ød$_2$	Nominal diameters of round ducts and connections on SPIRO fittings and transitions (mm)
H	Overall height of X-cross, branch height of T-piece or offset height H of S-bend (mm)
s	Galvanized steel sheet thickness in mm (standard 0.5 / 0.6 / 0.8 / 1.0 mm)
C, D	Dimensions of reduced / branch section or straight collar lengths on elbows and transitions (mm)
L	Overall installed length of straight duct or fitting element (mm; m for S-offsets & angled take-offs)
r	Inner throat radius on rectangular elbows and T/X transitions (standard r = 100 mm)
P · kg / kg/m	Developed sheet area (m^2/m) and approximate weight per piece (kg, kg/pc) or metre (kg/m)

01.1 Rectangular Ventilation Ducts

Straight rectangular ducts fitted with standard connecting flanges

TECHNICAL DRAWING (DIMENSIONS IN MM)



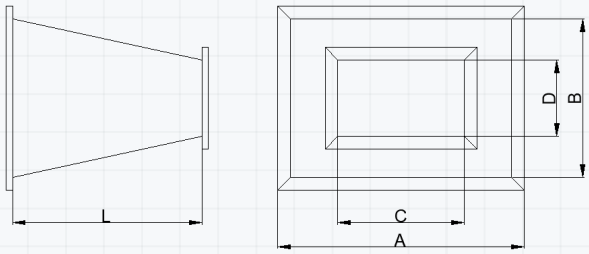
A (mm)	B (mm)	s (mm)	P (m²)	kg/m
100	150	0.6	0.54	**2.54**
100	200	0.6	0.64	**3.01**
100	250	0.6	0.73	**3.45**
150	150	0.6	0.64	**3.01**
150	200	0.6	0.73	**3.45**
150	250	0.6	0.83	**3.95**
200	200	0.6	0.83	**3.95**
200	250	0.6	0.92	**4.42**
200	300	0.6	1.04	**4.89**
200	400	0.6	1.23	**5.83**
200	500	0.6	1.42	**6.78**
250	250	0.6	1.04	**4.89**
250	300	0.6	1.13	**5.36**
250	400	0.6	1.33	**6.31**
250	500	0.8	1.55	**9.66**
250	600	0.8	1.74	**10.92**
250	800	0.8	2.14	**13.43**
300	300	0.8	1.21	**7.78**
300	400	0.8	1.44	**9.04**
300	500	0.8	1.62	**10.29**
300	600	0.8	1.82	**11.55**
300	800	0.8	2.23	**14.06**
300	1000	1.0	2.64	**20.72**
400	400	0.8	1.64	**10.29**
400	500	0.8	1.83	**11.55**
400	600	0.8	2.04	**12.81**
400	800	0.8	2.44	**15.32**
400	1000	1.0	2.83	**22.29**

A (mm)	B (mm)	s (mm)	P (m²)	kg/m
400	1200	1.0	3.21	**25.43**
500	500	0.8	2.04	**12.81**
500	600	0.8	2.23	**14.06**
500	800	0.8	2.63	**16.57**
500	1000	1.0	3.03	**23.86**
500	1200	1.0	3.42	**26.99**
500	1600	1.0	4.21	**33.28**
500	2000	1.0	5.03	**39.56**
600	600	0.8	2.43	**15.32**
600	800	0.8	2.83	**17.83**
600	1000	1.0	3.24	**25.43**
600	1200	1.0	3.64	**28.57**
600	1600	1.0	4.44	**34.85**
600	2000	1.0	5.23	**41.13**
800	800	0.8	3.24	**20.34**
800	1000	1.0	3.63	**28.57**
800	1200	1.0	4.04	**31.71**
800	1600	1.0	4.84	**37.99**
800	2000	1.0	5.64	**44.27**
1000	1000	1.0	4.04	**31.71**
1000	1200	1.0	4.44	**34.85**
1000	1600	1.0	5.24	**41.13**
1000	2000	1.0	6.04	**47.41**
1200	1200	1.0	4.84	**37.99**
1200	1600	1.0	5.64	**44.27**
1200	2000	1.0	6.43	**50.55**
1600	1600	1.0	6.43	**50.55**
1600	2000	1.0	7.24	**56.83**

01.2 Rectangular Reducers

Concentric and eccentric transition pieces for cross-section changes

TECHNICAL DRAWING (DIMENSIONS IN MM)



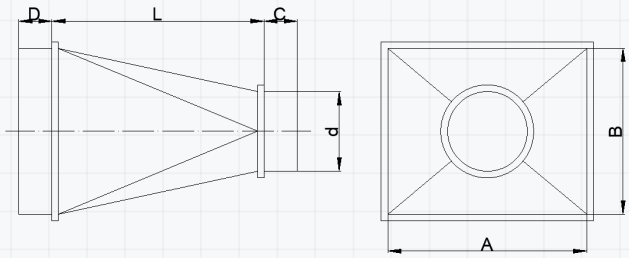
A	B	C	D	s	L (mm)	kg
150	150	100	150	0.6	300	**0.83**
250	150	150	150	0.6	300	**1.05**
250	250	150	250	0.6	300	**1.34**
400	250	250	250	0.8	300	**2.27**
400	400	250	400	0.6	300	**2.14**
400	500	250	500	0.8	300	**3.38**
500	250	400	250	0.8	300	**2.49**
500	400	400	400	0.8	300	**3.02**
600	400	400	400	0.8	300	**3.54**
500	500	400	500	0.8	300	**3.54**
600	500	400	500	0.8	300	**4.07**
500	600	400	600	0.8	300	**4.07**
600	600	400	600	0.8	300	**4.60**
500	800	400	600	1.0	300	**5.99**
600	800	400	800	1.0	300	**6.98**
600	400	500	400	0.8	300	**2.49**
800	400	500	400	1.0	400	**5.04**
600	500	500	500	0.8	300	**3.02**
800	500	500	500	1.0	400	**5.53**
600	600	500	600	1.0	300	**4.16**
800	600	500	600	1.0	400	**6.54**
600	800	500	800	1.0	300	**5.99**
800	800	500	800	1.0	400	**8.02**
600	1000	500	1000	1.0	300	**7.81**
800	1000	500	1000	1.0	400	**9.56**
800	400	600	400	1.0	300	**3.66**
800	500	600	500	1.0	300	**4.16**
1000	500	600	500	1.0	500	**6.44**
800	600	600	600	1.0	300	**4.65**
1000	600	600	600	1.0	500	**7.43**
800	800	600	800	1.0	300	**5.64**
1000	800	600	800	1.0	500	**8.92**
800	1000	600	1000	1.0	300	**7.65**
1000	1000	600	1000	1.0	500	**10.41**

A	B	C	D	s	L (mm)	kg
800	1200	600	1200	1.0	300	**9.67**
1000	1200	600	1200	1.0	500	**12.39**
1000	500	800	500	1.0	300	**3.66**
1000	600	800	600	1.0	300	**4.65**
1200	600	800	600	1.0	550	**8.19**
1000	800	800	800	1.0	300	**5.64**
1200	800	800	800	1.0	550	**10.22**
1000	1000	800	1000	1.0	500	**10.41**
1200	1000	800	1000	1.0	550	**12.88**
1000	1200	800	1200	1.0	500	**12.39**
1200	1200	800	1200	1.0	550	**15.55**
1000	1600	800	1600	1.0	500	**17.33**
1200	1600	800	1600	1.0	550	**20.75**
1200	600	1000	600	1.0	500	**7.43**
1200	800	1000	800	1.0	500	**9.56**
1600	800	1000	800	1.0	700	**17.83**
1200	1000	1000	1000	1.0	500	**11.69**
1600	1000	1000	1000	1.0	700	**20.60**
1200	1200	1000	1200	1.0	500	**13.72**
1600	1200	1000	1200	1.0	700	**23.37**
1200	1600	1000	1600	1.0	500	**17.33**
1600	1600	1000	1600	1.0	700	**28.19**
1200	2000	1000	2000	1.0	500	**21.19**
1600	2000	1000	2000	1.0	700	**34.21**
1600	800	1200	800	1.0	500	**9.56**
1600	1000	1200	1000	1.0	500	**11.69**
2000	1000	1200	1000	1.0	850	**26.37**
1600	1200	1200	1200	1.0	500	**13.72**
2000	1200	1200	1200	1.0	850	**31.40**
1600	1600	1200	1600	1.0	500	**24.68**
2000	1600	1200	1600	1.0	850	**45.24**
2000	1000	1600	1000	1.0	500	**22.75**
2000	1200	1600	1200	1.0	500	**24.44**
2000	1600	1600	1600	1.0	500	**27.82**

01.3 Round / Rectangular Transitions

Square-to-round transition fittings connecting SPIRO and rectangular runs

TECHNICAL DRAWING (DIMENSIONS IN MM)



NOTE: C = D = 50 mm

Ød (mm)	A×B (mm)	s (mm)	L (mm)	kg
100	100×150	0.6	300	**0.77**
125	100×150	0.6	300	**0.84**
160	100×150	0.6	300	**0.95**
160	150×150	0.6	300	**1.04**
160	150×200	0.6	300	**1.14**
160	150×250	0.6	300	**1.23**
160	250×250	0.6	300	**1.44**
250	150×150	0.6	300	**1.31**
250	150×200	0.6	300	**1.40**
250	150×250	0.6	300	**1.50**
250	250×250	0.6	300	**1.69**
315	150×250	0.8	300	**2.27**
315	250×250	0.8	300	**2.51**
315	250×300	0.8	300	**2.63**
315	250×400	0.8	300	**2.90**
315	250×500	0.8	400	**3.96**
355	250×250	0.8	300	**2.67**
355	250×300	0.8	300	**2.79**
355	250×400	0.8	300	**3.06**
355	250×500	0.8	300	**3.35**
355	400×400	0.8	300	**3.45**
400	250×300	0.8	300	**2.99**
400	250×400	0.8	300	**3.24**
400	250×500	0.8	300	**3.52**
400	400×400	0.8	300	**3.61**
400	400×500	0.8	300	**3.90**
450	250×400	0.8	400	**4.30**
450	250×500	0.8	300	**3.73**

Ød (mm)	A×B (mm)	s (mm)	L (mm)	kg
450	400×400	0.8	300	**3.80**
450	400×500	0.8	300	**4.08**
450	400×600	0.8	400	**5.44**
500	250×500	0.8	500	**5.84**
500	400×400	0.8	300	**4.01**
500	400×500	0.8	300	**4.27**
500	400×600	0.8	300	**4.56**
500	400×800	0.8	600	**8.87**
500	500×500	0.8	300	**4.53**
500	500×600	0.8	300	**4.84**
500	500×800	0.8	600	**9.35**
560	400×400	0.8	300	**4.28**
560	400×500	0.8	300	**4.52**
560	400×600	0.8	300	**4.79**
560	400×800	0.8	500	**7.99**
560	500×500	0.8	300	**4.75**
560	500×600	0.8	300	**5.04**
560	500×800	0.8	500	**8.38**
560	500×1000	0.8	800	**13.70**
560	600×600	0.8	300	**5.33**
630	400×500	0.8	300	**4.85**
630	400×600	0.8	300	**5.10**
630	400×800	0.8	500	**8.39**
630	500×500	0.8	300	**5.05**
630	500×600	0.8	300	**5.30**
630	500×800	0.8	300	**5.96**
630	500×1000	0.8	700	**12.75**
630	600×600	0.8	300	**5.56**

01.3 Round / Rectangular Transitions (continued)

Square-to-round transition fittings connecting SPIRO and rectangular runs

DIMENSION OVERVIEW — TABLE CONTINUED (630 mm – 1600 mm)

NOTE: C = D = 50 mm

Ød (mm)	A×B (mm)	s (mm)	L (mm)	kg
630	600×800	0.8	300	**6.24**
710	400×600	0.8	600	**9.40**
710	400×800	0.8	600	**10.31**
710	500×500	0.8	400	**6.75**
710	500×600	0.8	400	**7.03**
710	500×800	0.8	400	**7.72**
710	500×1000	0.8	400	**8.57**
710	600×600	0.8	300	**5.88**
710	600×800	0.8	300	**6.48**
710	600×1000	0.8	300	**7.29**
710	600×1200	0.8	300	**8.27**
710	800×800	0.8	300	**7.14**
800	400×800	0.8	800	**14.03**
800	500×500	0.8	600	**10.09**
800	500×600	0.8	600	**10.48**
800	500×800	0.8	600	**11.36**
800	500×1000	0.8	600	**12.35**
800	600×600	0.8	300	**6.32**
800	600×800	0.8	300	**6.82**
800	600×1000	0.8	400	**9.27**
800	600×1200	0.8	800	**17.61**
800	800×800	0.8	300	**7.36**
800	800×1000	0.8	400	**9.97**
900	500×800	1.0	800	**19.37**
900	500×1000	1.0	800	**20.84**
900	600×600	1.0	500	**12.58**
900	600×800	1.0	500	**13.43**
900	600×1000	1.0	500	**14.48**
900	600×1200	1.0	700	**20.61**
900	800×800	1.0	300	**9.62**
900	800×1000	1.0	300	**10.48**
900	800×1200	1.0	700	**21.88**
900	800×1600	1.0	1300	**42.71**

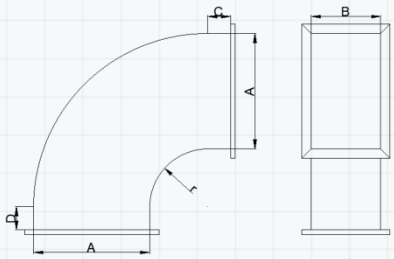
Ød (mm)	A×B (mm)	s (mm)	L (mm)	kg
900	1000×1000	1.0	300	**11.42**
1000	500×1000	1.0	900	**24.43**
1000	600×600	1.0	700	**17.80**
1000	600×800	1.0	700	**18.92**
1000	600×1000	1.0	700	**20.19**
1000	600×1200	1.0	700	**21.61**
1000	800×800	1.0	300	**10.21**
1000	800×1000	1.0	300	**10.90**
1000	800×1200	1.0	500	**17.29**
1000	800×1600	1.0	1100	**38.20**
1000	1000×1000	1.0	300	**11.64**
1000	1000×1200	1.0	500	**18.37**
1250	600×1200	1.0	1200	**38.90**
1250	800×800	1.0	850	**27.08**
1250	800×1000	1.0	850	**28.41**
1250	800×1200	1.0	850	**29.90**
1250	800×1600	1.0	700	**28.40**
1250	1000×1000	1.0	500	**18.97**
1250	1000×1200	1.0	500	**19.93**
1250	1000×1600	1.0	700	**29.56**
1250	1000×2000	1.0	1400	**59.67**
1250	1200×1200	1.0	300	**14.30**
1250	1200×1600	1.0	700	**30.98**
1500	1200×1200	1.0	500	**20.60**
1500	1200×1600	1.0	700	**28.90**
1500	1200×2000	1.0	1400	**56.51**
1500	1600×1600	1.0	700	**31.43**
1500	1600×2000	1.0	1400	**60.87**
1600	1200×1200	1.0	500	**21.71**
1600	1200×1600	1.0	700	**29.96**
1600	1200×2000	1.0	1400	**58.00**
1600	1600×1600	1.0	700	**32.11**
1600	1600×2000	1.0	1400	**62.13**

We also fabricate eccentric round-to-rectangular transitions, non-standard lengths L and custom diameters to project specification.

01.4 Rectangular Elbows 90°

90° rectangular bends with standard inner radius r = 100 mm

TECHNICAL DRAWING (DIMENSIONS IN MM)



NOTE: C = D = 50 mm

90°

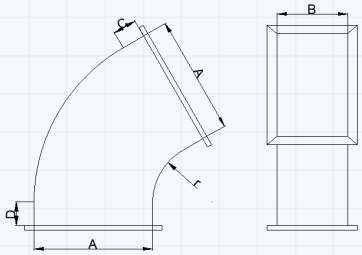
A (mm)	B (mm)	r (mm)	s (mm)	kg
100	150	100	0.6	**0.88**
150	100	100	0.6	**0.89**
150	150	100	0.6	**1.05**
150	250	100	0.6	**1.37**
150	300	100	0.6	**1.53**
250	150	100	0.6	**1.46**
250	250	100	0.6	**1.86**
250	300	100	0.6	**2.05**
250	400	100	0.8	**3.27**
250	500	100	0.8	**3.80**
300	150	100	0.8	**2.27**
300	250	100	0.8	**2.84**
400	250	100	0.8	**3.66**
400	400	100	0.8	**4.66**
400	500	100	0.8	**5.33**
400	600	100	0.8	**6.00**
400	800	100	1.0	**9.18**
500	250	100	0.8	**4.61**
500	400	100	0.8	**5.76**
500	500	100	0.8	**6.53**
500	600	100	0.8	**7.29**
500	800	100	1.0	**11.04**
500	1000	100	1.0	**12.95**
600	400	100	0.8	**6.99**
600	500	100	0.8	**7.85**
600	600	100	0.8	**8.71**
600	800	100	1.0	**13.05**
600	1000	100	1.0	**15.20**
600	1200	100	1.0	**17.35**

A (mm)	B (mm)	r (mm)	s (mm)	kg
800	400	100	1.0	**12.27**
800	500	100	1.0	**13.53**
800	600	100	1.0	**14.80**
800	800	100	1.0	**17.33**
800	1000	100	1.0	**19.86**
800	1200	100	1.0	**22.39**
800	1600	100	1.0	**27.45**
1000	500	100	1.0	**18.21**
1000	600	100	1.0	**19.72**
1000	800	100	1.0	**22.74**
1000	1000	100	1.0	**25.77**
1000	1200	100	1.0	**28.79**
1000	1600	100	1.0	**34.84**
1000	2000	100	1.0	**40.88**
1200	600	100	1.0	**25.39**
1200	800	100	1.0	**28.91**
1200	1000	100	1.0	**32.42**
1200	1200	100	1.0	**35.94**
1200	1600	100	1.0	**42.98**
1200	2000	100	1.0	**50.01**
1600	800	100	1.0	**43.47**
1600	1000	100	1.0	**47.97**
1600	1200	100	1.0	**52.48**
1600	1600	100	1.0	**61.49**
1600	2000	100	1.0	**70.50**
2000	1000	100	1.0	**66.49**
2000	1200	100	1.0	**71.98**
2000	1600	100	1.0	**82.97**

01.5 Rectangular Elbows 60°

60° rectangular bends with standard inner radius r = 100 mm

TECHNICAL DRAWING (DIMENSIONS IN MM)



NOTE: C = D = 50 mm

60°

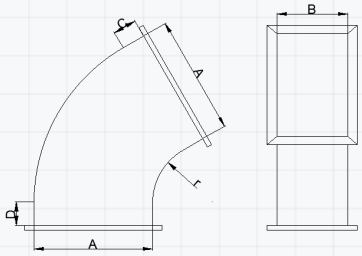
A (mm)	B (mm)	r (mm)	s (mm)	kg
100	150	100	0.6	**0.69**
150	100	100	0.6	**0.69**
150	150	100	0.6	**0.81**
150	250	100	0.6	**1.06**
150	300	100	0.6	**1.19**
250	150	100	0.6	**1.10**
250	250	100	0.6	**1.41**
250	300	100	0.6	**1.56**
250	400	100	0.8	**2.48**
250	500	100	0.8	**2.89**
300	150	100	0.8	**1.70**
300	250	100	0.8	**2.13**
400	250	100	0.8	**2.70**
400	400	100	0.8	**3.46**
400	500	100	0.8	**3.97**
400	600	100	0.8	**4.48**
400	800	100	1.0	**6.86**
500	250	100	0.8	**3.36**
500	400	100	0.8	**4.22**
500	500	100	0.8	**4.80**
500	600	100	0.8	**5.37**
500	800	100	1.0	**8.15**
500	1000	100	1.0	**9.59**
600	400	100	0.8	**5.07**
600	500	100	0.8	**5.71**
600	600	100	0.8	**6.35**
600	800	100	1.0	**9.54**
600	1000	100	1.0	**11.14**
600	1200	100	1.0	**12.74**

A (mm)	B (mm)	r (mm)	s (mm)	kg
800	400	100	1.0	**8.76**
800	500	100	1.0	**9.69**
800	600	100	1.0	**10.63**
800	800	100	1.0	**12.49**
800	1000	100	1.0	**14.36**
800	1200	100	1.0	**16.22**
800	1600	100	1.0	**19.95**
1000	500	100	1.0	**12.90**
1000	600	100	1.0	**14.01**
1000	800	100	1.0	**16.23**
1000	1000	100	1.0	**18.45**
1000	1200	100	1.0	**20.66**
1000	1600	100	1.0	**25.10**
1000	2000	100	1.0	**29.53**
1200	600	100	1.0	**17.88**
1200	800	100	1.0	**20.46**
1200	1000	100	1.0	**23.03**
1200	1200	100	1.0	**25.60**
1200	1600	100	1.0	**30.74**
1200	2000	100	1.0	**35.89**
1600	800	100	1.0	**30.39**
1600	1000	100	1.0	**33.67**
1600	1200	100	1.0	**36.96**
1600	1600	100	1.0	**43.52**
1600	2000	100	1.0	**50.09**
2000	1000	100	1.0	**46.29**
2000	1200	100	1.0	**50.29**
2000	1600	100	1.0	**58.28**

01.6 Rectangular Elbows 45°

45° rectangular bends with standard inner radius r = 100 mm

TECHNICAL DRAWING (DIMENSIONS IN MM)



NOTE: C = D = 50 mm

45°

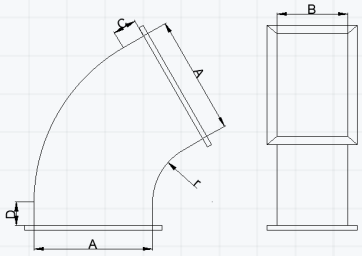
A (mm)	B (mm)	r (mm)	s (mm)	kg
100	150	100	0.6	**0.59**
150	100	100	0.6	**0.58**
150	150	100	0.6	**0.69**
150	250	100	0.6	**0.91**
150	300	100	0.6	**1.01**
250	150	100	0.6	**0.92**
250	250	100	0.6	**1.18**
250	300	100	0.6	**1.31**
250	400	100	0.8	**2.09**
250	500	100	0.8	**2.44**
300	150	100	0.8	**1.41**
300	250	100	0.8	**1.78**
400	250	100	0.8	**2.22**
400	400	100	0.8	**2.86**
400	500	100	0.8	**3.29**
400	600	100	0.8	**3.71**
400	800	100	1.0	**5.71**
500	250	100	0.8	**2.74**
500	400	100	0.8	**3.45**
500	500	100	0.8	**3.93**
500	600	100	0.8	**4.41**
500	800	100	1.0	**6.70**
500	1000	100	1.0	**7.90**
600	400	100	0.8	**4.11**
600	500	100	0.8	**4.64**
600	600	100	0.8	**5.17**
600	800	100	1.0	**7.79**
600	1000	100	1.0	**9.11**
600	1200	100	1.0	**10.43**

A (mm)	B (mm)	r (mm)	s (mm)	kg
800	400	100	1.0	**7.01**
800	500	100	1.0	**7.77**
800	600	100	1.0	**8.54**
800	800	100	1.0	**10.07**
800	1000	100	1.0	**11.61**
800	1200	100	1.0	**13.14**
800	1600	100	1.0	**16.20**
1000	500	100	1.0	**10.25**
1000	600	100	1.0	**11.15**
1000	800	100	1.0	**12.97**
1000	1000	100	1.0	**14.79**
1000	1200	100	1.0	**16.60**
1000	1600	100	1.0	**20.23**
1000	2000	100	1.0	**23.86**
1200	600	100	1.0	**14.13**
1200	800	100	1.0	**16.23**
1200	1000	100	1.0	**18.33**
1200	1200	100	1.0	**20.43**
1200	1600	100	1.0	**24.63**
1200	2000	100	1.0	**28.83**
1600	800	100	1.0	**23.85**
1600	1000	100	1.0	**26.52**
1600	1200	100	1.0	**29.20**
1600	1600	100	1.0	**34.54**
1600	2000	100	1.0	**39.89**
2000	1000	100	1.0	**36.19**
2000	1200	100	1.0	**39.44**
2000	1600	100	1.0	**45.94**

01.7 Rectangular Elbows 30°

30° rectangular bends with standard inner radius r = 100 mm

TECHNICAL DRAWING (DIMENSIONS IN MM)



NOTE: C = D = 50 mm

30°

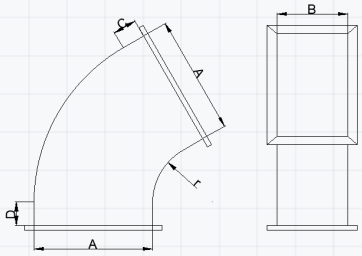
A (mm)	B (mm)	r (mm)	s (mm)	kg
100	150	100	0.6	**0.50**
150	100	100	0.6	**0.48**
150	150	100	0.6	**0.57**
150	250	100	0.6	**0.75**
150	300	100	0.6	**0.84**
250	150	100	0.6	**0.74**
250	250	100	0.6	**0.95**
250	300	100	0.6	**1.06**
250	400	100	0.8	**1.70**
250	500	100	0.8	**1.99**
300	150	100	0.8	**1.12**
300	250	100	0.8	**1.42**
400	250	100	0.8	**1.74**
400	400	100	0.8	**2.26**
400	500	100	0.8	**2.60**
400	600	100	0.8	**2.95**
400	800	100	1.0	**4.55**
500	250	100	0.8	**2.11**
500	400	100	0.8	**2.68**
500	500	100	0.8	**3.06**
500	600	100	0.8	**3.45**
500	800	100	1.0	**5.26**
500	1000	100	1.0	**6.22**
600	400	100	0.8	**3.15**
600	500	100	0.8	**3.57**
600	600	100	0.8	**3.99**
600	800	100	1.0	**6.03**
600	1000	100	1.0	**7.08**
600	1200	100	1.0	**8.13**

A (mm)	B (mm)	r (mm)	s (mm)	kg
800	400	100	1.0	**5.25**
800	500	100	1.0	**5.85**
800	600	100	1.0	**6.45**
800	800	100	1.0	**7.65**
800	1000	100	1.0	**8.85**
800	1200	100	1.0	**10.05**
800	1600	100	1.0	**12.45**
1000	500	100	1.0	**7.60**
1000	600	100	1.0	**8.30**
1000	800	100	1.0	**9.71**
1000	1000	100	1.0	**11.12**
1000	1200	100	1.0	**12.54**
1000	1600	100	1.0	**15.36**
1000	2000	100	1.0	**18.18**
1200	600	100	1.0	**10.38**
1200	800	100	1.0	**12.00**
1200	1000	100	1.0	**13.63**
1200	1200	100	1.0	**15.26**
1200	1600	100	1.0	**18.51**
1200	2000	100	1.0	**21.77**
1600	800	100	1.0	**17.31**
1600	1000	100	1.0	**19.37**
1600	1200	100	1.0	**21.44**
1600	1600	100	1.0	**25.56**
1600	2000	100	1.0	**26.69**
2000	1000	100	1.0	**26.09**
2000	1200	100	1.0	**28.59**
2000	1600	100	1.0	**33.59**

01.8 Rectangular Elbows 15°

15° rectangular bends with standard inner radius r = 100 mm

TECHNICAL DRAWING (DIMENSIONS IN MM)



NOTE: C = D = 50 mm

15°

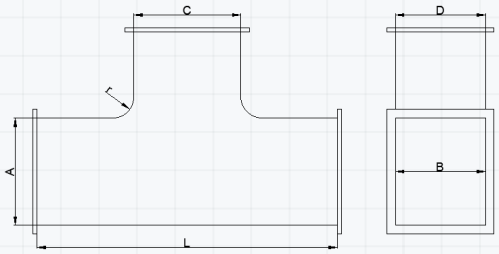
A (mm)	B (mm)	r (mm)	s (mm)	kg
100	150	100	0.6	**0.40**
150	100	100	0.6	**0.38**
150	150	100	0.6	**0.45**
150	250	100	0.6	**0.60**
150	300	100	0.6	**0.67**
250	150	100	0.6	**0.56**
250	250	100	0.6	**0.73**
250	300	100	0.6	**0.81**
250	400	100	0.8	**1.31**
250	500	100	0.8	**1.54**
300	150	100	0.8	**0.83**
300	250	100	0.8	**1.07**
400	250	100	0.8	**1.27**
400	400	100	0.8	**1.66**
400	500	100	0.8	**1.92**
400	600	100	0.8	**2.19**
400	800	100	1.0	**3.39**
500	250	100	0.8	**1.49**
500	400	100	0.8	**1.91**
500	500	100	0.8	**2.20**
500	600	100	0.8	**2.48**
500	800	100	1.0	**3.82**
500	1000	100	1.0	**4.53**
600	400	100	0.8	**2.19**
600	500	100	0.8	**2.50**
600	600	100	0.8	**2.81**
600	800	100	1.0	**4.27**
600	1000	100	1.0	**5.05**
600	1200	100	1.0	**5.83**

A (mm)	B (mm)	r (mm)	s (mm)	kg
800	400	100	1.0	**3.50**
800	500	100	1.0	**3.93**
800	600	100	1.0	**4.36**
800	800	100	1.0	**5.23**
800	1000	100	1.0	**6.10**
800	1200	100	1.0	**6.97**
800	1600	100	1.0	**8.70**
1000	500	100	1.0	**4.94**
1000	600	100	1.0	**5.44**
1000	800	100	1.0	**6.45**
1000	1000	100	1.0	**7.46**
1000	1200	100	1.0	**8.47**
1000	1600	100	1.0	**10.49**
1000	2000	100	1.0	**12.51**
1200	600	100	1.0	**6.62**
1200	800	100	1.0	**7.77**
1200	1000	100	1.0	**8.93**
1200	1200	100	1.0	**10.09**
1200	1600	100	1.0	**12.40**
1200	2000	100	1.0	**14.71**
1600	800	100	1.0	**10.77**
1600	1000	100	1.0	**12.22**
1600	1200	100	1.0	**13.68**
1600	1600	100	1.0	**16.58**
1600	2000	100	1.0	**19.48**
2000	1000	100	1.0	**16.00**
2000	1200	100	1.0	**17.74**
2000	1600	100	1.0	**21.25**

01.9 Rectangular T-Pieces

Rectangular T-branches and splitters for duct distribution runs

TECHNICAL DRAWING (DIMENSIONS IN MM)



A	B	C	D	s	L (mm)	kg
150	150	150	150	0.6	350	**1.79**
250	250	150	150	0.6	350	**2.45**
400	400	150	150	0.8	350	**4.59**
400	400	250	250	0.8	450	**6.72**
500	500	150	150	0.8	350	**5.47**
500	500	250	250	0.8	450	**7.85**
600	600	150	150	0.8	350	**6.34**
600	600	250	250	0.8	450	**8.98**
600	600	400	400	0.8	600	**13.63**
600	600	500	500	0.8	700	**17.21**
800	800	150	150	1.0	350	**10.13**
800	800	250	250	1.0	450	**14.05**
800	800	400	400	1.0	600	**20.81**
800	800	500	500	1.0	700	**25.91**
800	800	600	600	1.0	800	**31.47**
1000	1000	150	150	1.0	350	**12.33**
1000	1000	250	250	1.0	450	**16.87**
1000	1000	400	400	1.0	600	**24.58**

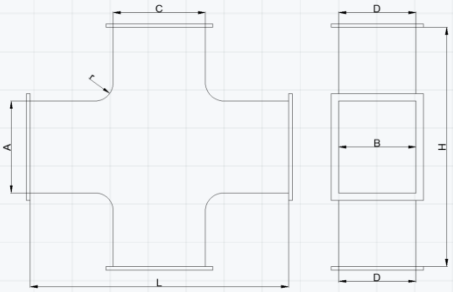
A	B	C	D	s	L (mm)	kg
1000	1000	500	500	1.0	700	**30.30**
1000	1000	600	600	1.0	800	**36.50**
1000	1000	800	800	1.0	1000	**50.30**
1200	1200	150	150	1.0	350	**14.52**
1200	1200	250	250	1.0	450	**19.70**
1200	1200	400	400	1.0	600	**28.34**
1200	1200	500	500	1.0	700	**34.70**
1200	1200	600	600	1.0	800	**41.52**
1200	1200	800	800	1.0	1000	**56.58**
1200	1200	1000	1000	1.0	1200	**73.52**
1600	1600	150	150	1.0	350	**18.92**
1600	1600	250	250	1.0	450	**25.35**
1600	1600	400	400	1.0	600	**35.88**
1600	1600	500	500	1.0	700	**43.49**
1600	1600	600	600	1.0	800	**51.57**
1600	1600	800	800	1.0	1000	**69.14**
1600	1600	1000	1000	1.0	1200	**88.60**

All T-piece configurations can be manufactured with symmetric or asymmetric branches and custom flange profiles to order.

01.10 Rectangular X-Crosses

Four-way rectangular cross distribution fittings

TECHNICAL DRAWING (DIMENSIONS IN MM)



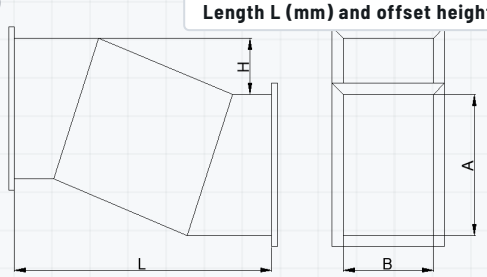
A	B	C	D	s	L (mm)	H (mm)	kg
150	150	150	150	0.6	350	350	**2.09**
250	250	150	150	0.6	350	450	**2.75**
400	400	150	150	0.8	350	600	**4.99**
400	400	250	250	0.8	450	600	**7.37**
500	500	150	150	0.8	350	700	**5.87**
500	500	250	250	0.8	450	700	**8.50**
600	600	150	150	0.8	350	800	**6.74**
600	600	250	250	0.8	450	800	**9.63**
600	600	400	400	0.8	600	800	**14.66**
600	600	500	500	0.8	700	800	**18.49**
800	800	150	150	1.0	350	1000	**10.63**
800	800	250	250	1.0	450	1000	**14.87**
800	800	400	400	1.0	600	1000	**22.10**
800	800	500	500	1.0	700	1000	**27.51**
800	800	600	600	1.0	800	1000	**33.38**
1000	1000	150	150	1.0	350	1200	**12.83**
1000	1000	250	250	1.0	450	1200	**17.69**
1000	1000	400	400	1.0	600	1200	**25.87**
1000	1000	500	500	1.0	700	1200	**31.90**
1000	1000	600	600	1.0	800	1200	**38.41**
1000	1000	800	800	1.0	1000	1200	**52.84**
1200	1200	150	150	1.0	350	1400	**15.02**
1200	1200	250	250	1.0	450	1400	**20.52**
1200	1200	400	400	1.0	600	1400	**29.63**
1200	1200	500	500	1.0	700	1400	**36.30**
1200	1200	600	600	1.0	800	1400	**43.43**
1200	1200	800	800	1.0	1000	1400	**59.12**
1200	1200	1000	1000	1.0	1200	1400	**76.69**

01.11 Rectangular S-Offsets

Rectangular S-offset bends custom built to project length L and height H

TECHNICAL DRAWING (DIMENSIONS IN MM)

Length L (mm) and offset height H are manufactured to project dimensions.



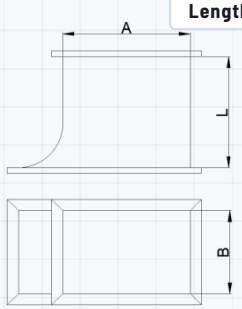
A (mm)	B (mm)	s (mm)	L (mm)
100	150	0.6	–
100	200	0.6	–
100	250	0.6	–
150	150	0.6	–
150	200	0.6	–
150	250	0.6	–
200	200	0.6	–
200	250	0.6	–
200	300	0.6	–
200	400	0.6	–
200	500	0.6	–
250	250	0.6	–
250	300	0.6	–
250	400	0.6	–
250	500	0.8	–
250	600	0.8	–
250	800	0.8	–
300	300	0.8	–
300	400	0.8	–
300	500	0.8	–
300	600	0.8	–
300	800	0.8	–
300	1000	1.0	–
400	400	0.8	–
400	500	0.8	–
400	600	0.8	–
400	800	0.8	–
400	1000	1.0	–

A (mm)	B (mm)	s (mm)	L (mm)
400	1200	1.0	–
500	500	0.8	–
500	600	0.8	–
500	800	0.8	–
500	1000	1.0	–
500	1200	1.0	–
500	1600	1.0	–
500	2000	1.0	–
600	600	0.8	–
600	800	0.8	–
600	1000	1.0	–
600	1200	1.0	–
600	1600	1.0	–
600	2000	1.0	–
800	800	0.8	–
800	1000	1.0	–
800	1200	1.0	–
800	1600	1.0	–
800	2000	1.0	–
1000	1000	1.0	–
1000	1200	1.0	–
1000	1600	1.0	–
1000	2000	1.0	–
1200	1200	1.0	–
1200	1600	1.0	–
1200	2000	1.0	–
1600	1600	1.0	–
1600	2000	1.0	–

01.12 Branch Take-Off Collars

Rectangular branch collars for lateral connections onto main ducts

TECHNICAL DRAWING (DIMENSIONS IN MM)



Length L (mm) is fabricated according to project requirements.

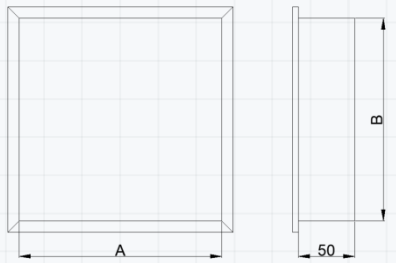
A (mm)	B (mm)	s (mm)	L (mm)
100	200	0.6	–
100	250	0.6	–
150	150	0.6	–
150	200	0.6	–
150	250	0.6	–
200	200	0.6	–
200	250	0.6	–
200	300	0.6	–
200	400	0.6	–
200	500	0.6	–
250	250	0.6	–
250	300	0.6	–
250	400	0.6	–
250	500	0.8	–
250	600	0.8	–
250	800	0.8	–
300	300	0.8	–
300	400	0.8	–
300	500	0.8	–
300	600	0.8	–
300	800	0.8	–
300	1000	1.0	–
400	400	0.8	–
400	500	0.8	–
400	600	0.8	–
400	800	0.8	–
400	1000	1.0	–

A (mm)	B (mm)	s (mm)	L (mm)
400	1200	1.0	–
500	500	0.8	–
500	600	0.8	–
500	800	0.8	–
500	1000	1.0	–
500	1200	1.0	–
500	1600	1.0	–
500	2000	1.0	–
600	600	0.8	–
600	800	0.8	–
600	1000	1.0	–
600	1200	1.0	–
600	1600	1.0	–
600	2000	1.0	–
800	800	0.8	–
800	1000	1.0	–
800	1200	1.0	–
800	1600	1.0	–
800	2000	1.0	–
1000	1000	1.0	–
1000	1200	1.0	–
1000	1600	1.0	–
1000	2000	1.0	–
1200	1200	1.0	–
1200	1600	1.0	–
1200	2000	1.0	–
1600	1600	1.0	–

01.13 Rectangular End Caps

Closing end caps for rectangular ducts with standard 50 mm depth

TECHNICAL DRAWING (DIMENSIONS IN MM)



Standard cap depth: 50 mm

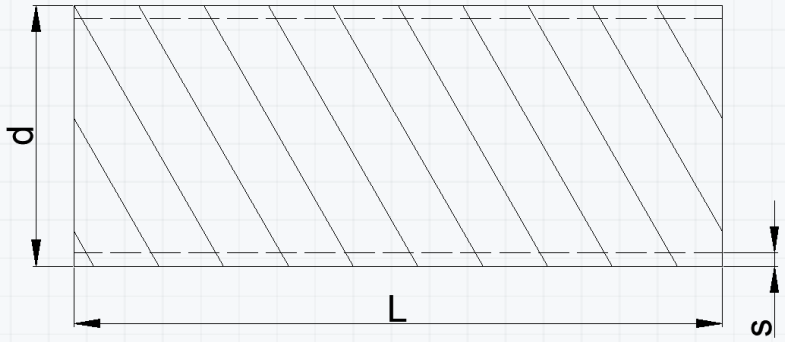
A (mm)	B (mm)	s (mm)	kg
100	150	0.6	**0.19**
100	200	0.6	**0.24**
100	250	0.6	**0.28**
150	150	0.6	**0.25**
150	200	0.6	**0.31**
150	250	0.6	**0.36**
200	200	0.6	**0.38**
200	250	0.6	**0.45**
200	300	0.6	**0.52**
200	400	0.6	**0.66**
200	500	0.6	**0.80**
250	250	0.6	**0.53**
250	300	0.6	**0.61**
250	400	0.6	**0.78**
250	500	0.8	**1.26**
250	600	0.8	**1.48**
250	800	0.8	**1.92**
300	300	0.8	**0.94**
300	400	0.8	**1.19**
300	500	0.8	**1.44**
300	600	0.8	**1.70**
300	800	0.8	**2.20**
300	1000	1.0	**3.38**
400	400	0.8	**1.51**
400	500	0.8	**1.82**
400	600	0.8	**2.14**
400	800	0.8	**2.76**
400	1000	1.0	**4.24**

A (mm)	B (mm)	s (mm)	kg
400	1200	1.0	**5.02**
500	500	0.8	**2.20**
500	600	0.8	**2.57**
500	800	0.8	**3.33**
500	1000	1.0	**5.10**
500	1200	1.0	**6.04**
500	1600	1.0	**7.93**
500	2000	1.0	**9.81**
600	600	0.8	**3.01**
600	800	0.8	**3.89**
600	1000	1.0	**5.97**
600	1200	1.0	**7.07**
600	1600	1.0	**9.26**
600	2000	1.0	**11.46**
800	800	0.8	**5.02**
800	1000	1.0	**7.69**
800	1200	1.0	**9.11**
800	1600	1.0	**11.93**
800	2000	1.0	**14.76**
1000	1000	1.0	**9.42**
1000	1200	1.0	**11.15**
1000	1600	1.0	**14.60**
1000	2000	1.0	**18.06**
1200	1200	1.0	**13.19**
1200	1600	1.0	**17.27**
1200	2000	1.0	**21.35**
1600	1600	1.0	**22.61**
1600	2000	1.0	**27.95**

02.1 Round SPIRO Spiral Ducts

Spiral lock-seam round ventilation ducts made from galvanized steel sheet

TECHNICAL DRAWING (DIMENSIONS IN MM)



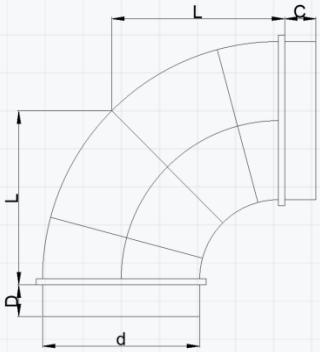
Ød (mm)	s (mm)	P (m²/m)	kg/m
80	0.5	0.25	**0.99**
100	0.5	0.31	**1.34**
125	0.5	0.39	**1.68**
150	0.5	0.47	**2.15**
160	0.5	0.50	**2.26**
200	0.5	0.63	**2.68**
250	0.5	0.79	**3.35**
300	0.5	0.94	**5.44**
315	0.6	0.99	**6.95**
355	0.6	1.11	**7.36**
400	0.6	1.26	**8.29**
450	0.6	1.41	**9.33**
500	0.8	1.57	**10.89**
560	0.8	1.76	**12.20**
630	0.8	1.98	**13.73**
710	0.8	2.23	**15.47**
800	0.8	2.51	**17.40**
900	0.8	2.83	**21.14**
1000	1.0	3.14	**27.38**
1250	1.0	3.93	**34.22**
1500	1.0	4.71	**36.99**
1600	1.0	5.03	**42.60**

02.2 SPIRO Segmented Elbows 90°

Segmented round 90° elbows designed for spiral SPIRO ductwork

TECHNICAL DRAWING (DIMENSIONS IN MM)

90°



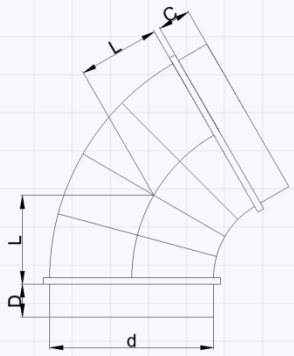
Ød (mm)	s (mm)	C (mm)	D (mm)	kg/pc
100	0.5	25	25	**0.35**
125	0.5	25	25	**0.53**
150	0.6	25	25	**0.90**
160	0.6	25	25	**1.01**
200	0.6	35	35	**1.60**
250	0.6	45	45	**2.51**
300	0.6	45	45	**3.53**
315	0.6	50	50	**3.93**
355	0.6	50	50	**4.92**
400	0.8	60	60	**8.39**
450	0.8	60	60	**10.48**
500	0.8	70	70	**13.01**
560	0.8	70	70	**16.13**
630	0.8	80	80	**20.44**
710	0.8	90	90	**25.96**
800	0.8	100	100	**32.91**
900	0.8	110	110	**41.56**
1000	1.0	120	120	**64.03**
1250	1.0	140	140	**92.21**
1500	1.0	160	160	**105.00**
1600	1.0	180	180	**120.20**

02.3 SPIRO Segmented Elbows 60°

Segmented round 60° elbows designed for spiral SPIRO ductwork

TECHNICAL DRAWING (DIMENSIONS IN MM)

60°



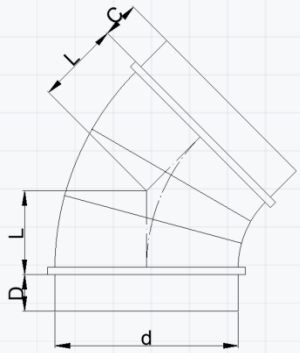
Ød (mm)	s (mm)	C (mm)	D (mm)	kg/pc
100	0.5	25	25	**0.26**
125	0.5	25	25	**0.38**
150	0.6	25	25	**0.63**
160	0.6	25	25	**0.71**
200	0.6	35	35	**1.14**
250	0.6	45	45	**1.79**
300	0.6	45	45	**2.49**
315	0.6	50	50	**2.77**
355	0.6	50	50	**3.45**
400	0.8	60	60	**5.91**
450	0.8	60	60	**7.34**
500	0.8	70	70	**9.13**
560	0.8	70	70	**11.27**
630	0.8	80	80	**14.29**
710	0.8	90	90	**18.14**
800	0.8	100	100	**22.99**
900	0.8	110	110	**29.01**
1000	1.0	120	120	**44.66**
1250	1.0	140	140	**69.16**
1500	1.0	160	160	**74.20**
1600	1.0	180	180	**85.10**

02.4 SPIRO Segmented Elbows 45°

Segmented round 45° elbows designed for spiral SPIRO ductwork

TECHNICAL DRAWING (DIMENSIONS IN MM)

45°



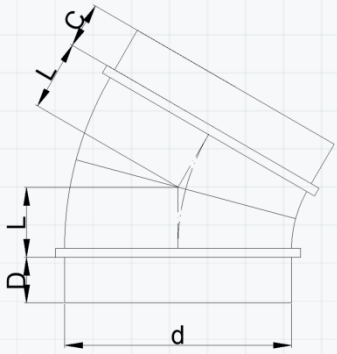
Ød (mm)	s (mm)	C (mm)	D (mm)	kg/pc
100	0.5	25	25	**0.21**
125	0.5	25	25	**0.30**
150	0.6	25	25	**0.50**
160	0.6	25	25	**0.67**
200	0.6	35	35	**0.90**
250	0.6	45	45	**1.42**
300	0.6	45	45	**1.97**
315	0.6	50	50	**2.20**
355	0.6	50	50	**2.72**
400	0.8	60	60	**4.67**
450	0.8	60	60	**5.77**
500	0.8	70	70	**7.19**
560	0.8	70	70	**8.84**
630	0.8	80	80	**11.21**
710	0.8	90	90	**14.24**
800	0.8	100	100	**18.03**
900	0.8	110	110	**22.73**
1000	1.0	120	120	**34.97**
1250	1.0	140	140	**54.03**
1500	1.0	160	160	**58.80**
1600	1.0	180	180	**67.60**

02.5 SPIRO Segmented Elbows 30°

Segmented round 30° elbows designed for spiral SPIRO ductwork

TECHNICAL DRAWING (DIMENSIONS IN MM)

30°



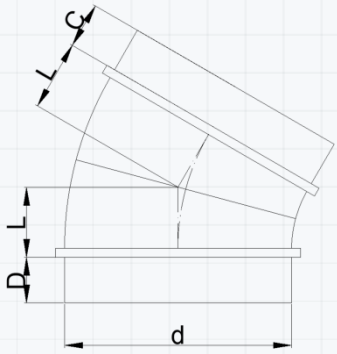
Ød (mm)	s (mm)	C (mm)	D (mm)	kg/pc
100	0.5	25	25	**0.16**
125	0.5	25	25	**0.23**
150	0.6	25	25	**0.37**
160	0.6	25	25	**0.42**
200	0.6	35	35	**0.67**
250	0.6	45	45	**1.06**
300	0.6	45	45	**1.45**
315	0.6	50	50	**1.62**
355	0.6	50	50	**1.99**
400	0.8	60	60	**3.43**
450	0.8	60	60	**4.20**
500	0.8	70	70	**5.26**
560	0.8	70	70	**6.41**
630	0.8	80	80	**8.14**
710	0.8	90	90	**10.33**
800	0.8	100	100	**13.07**
900	0.8	110	110	**16.46**
1000	1.0	120	120	**25.29**
1250	1.0	140	140	**38.90**
1500	1.0	160	160	**43.40**
1600	1.0	180	180	**50.10**

02.6 SPIRO Segmented Elbows 15°

Segmented round 15° elbows designed for spiral SPIRO ductwork

TECHNICAL DRAWING (DIMENSIONS IN MM)

15°

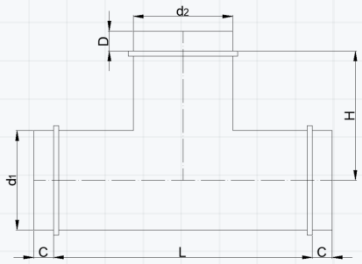


Ød (mm)	s (mm)	C (mm)	D (mm)	kg/pc
100	0.5	25	25	**0.11**
125	0.5	25	25	**0.15**
150	0.6	25	25	**0.24**
160	0.6	25	25	**0.27**
200	0.6	35	35	**0.44**
250	0.6	45	45	**0.70**
300	0.6	45	45	**0.92**
315	0.6	50	50	**1.04**
355	0.6	50	50	**1.26**
400	0.8	60	60	**2.19**
450	0.8	60	60	**2.63**
500	0.8	70	70	**3.32**
560	0.8	70	70	**3.98**
630	0.8	80	80	**5.06**
710	0.8	90	90	**6.43**
800	0.8	100	100	**8.12**
900	0.8	110	110	**10.18**
1000	1.0	120	120	**15.60**
1250	1.0	140	140	**23.76**
1500	1.0	160	160	**28.00**
1600	1.0	180	180	**32.60**

02.7 SPIRO T-Pieces

Round T-branches and equal/reducing splitters for SPIRO duct systems

TECHNICAL DRAWING (DIMENSIONS IN MM)



NOTE: C = D = 50 mm

Ød1 (mm)	Ød2 (mm)	s (mm)	L (mm)	H (mm)	kg
100	80	0.6	140	95	**0.44**
100	100	0.6	160	135	**0.55**
125	80	0.6	140	122	**0.55**
125	100	0.6	160	107	**0.58**
125	125	0.6	190	132	**0.70**
150	80	0.6	140	140	**0.64**
150	100	0.6	160	135	**0.70**
150	125	0.6	190	155	**0.53**
150	150	0.6	210	160	**0.90**
160	80	0.6	140	145	**0.68**
160	100	0.6	160	140	**0.74**
160	125	0.6	190	160	**0.57**
160	150	0.6	210	165	**0.95**
160	160	0.6	220	165	**0.98**
200	100	0.6	160	165	**0.90**
200	125	0.6	190	185	**1.05**
200	150	0.6	210	175	**1.11**
200	160	0.6	220	175	**1.15**
200	200	0.6	290	215	**1.49**
250	125	0.6	175	205	**1.20**
250	150	0.6	190	205	**1.28**
250	160	0.6	190	205	**1.29**
250	200	0.6	240	215	**1.52**
250	250	0.6	315	230	**1.88**

Ød1 (mm)	Ød2 (mm)	s (mm)	L (mm)	H (mm)	kg
300	150	0.6	360	270	**2.34**
300	160	0.6	360	270	**2.35**
300	200	0.6	210	235	**1.63**
300	250	0.6	305	260	**2.16**
315	150	0.8	370	270	**3.29**
315	160	0.8	370	270	**3.31**
315	200	0.8	220	235	**2.30**
315	250	0.8	315	260	**3.02**
315	300	0.8	360	270	**3.38**
315	315	0.8	370	270	**3.44**
355	200	0.8	355	215	**3.34**
355	250	0.8	405	265	**3.91**
355	300	0.8	360	300	**3.80**
355	315	0.8	370	300	**3.87**
355	355	0.8	405	300	**4.12**
400	200	0.8	445	320	**4.77**
400	250	0.8	290	310	**3.56**
400	300	0.8	360	330	**4.25**
400	315	0.8	370	330	**4.34**
400	355	0.8	405	315	**4.52**
400	400	0.8	445	340	**5.01**
450	250	0.8	360	325	**4.52**
450	300	0.8	480	335	**5.65**
450	315	0.8	490	335	**5.74**

02.7 SPIRO T-Pieces (continued)

Round T-branches and equal/reducing splitters for SPIRO duct systems

DIMENSION OVERVIEW — TABLE CONTINUED (450 mm – 1600 mm)

NOTE: C = D = 50 mm

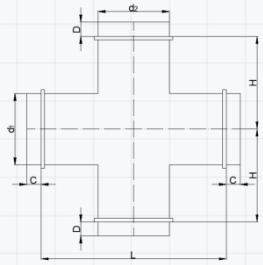
Ød$_1$ (mm)	Ød$_2$ (mm)	s (mm)	L (mm)	H (mm)	kg
450	355	0.8	405	345	**5.05**
450	400	0.8	445	355	**5.47**
450	450	0.8	490	370	**5.97**
500	250	0.8	540	400	**6.99**
500	315	0.8	340	380	**4.97**
500	355	0.8	405	380	**5.62**
500	400	0.8	445	385	**6.05**
500	450	0.8	490	410	**6.69**
500	500	0.8	560	435	**7.60**
560	400	0.8	490	415	**7.19**
560	450	0.8	540	415	**7.72**
560	500	0.8	590	425	**8.31**
560	560	0.8	650	435	**9.00**
630	400	0.8	490	470	**8.16**
630	450	0.8	540	470	**8.78**
630	500	0.8	590	470	**9.37**
630	560	0.8	650	455	**9.87**
630	630	0.8	720	490	**11.03**
710	500	0.8	590	500	**10.36**
710	560	0.8	650	500	**11.11**
710	630	0.8	720	520	**12.20**
710	710	0.8	800	530	**13.27**
800	400	0.8	490	600	**10.50**
800	450	0.8	540	605	**11.37**
800	500	0.8	590	605	**12.17**
800	560	0.8	650	610	**13.16**

Ød$_1$ (mm)	Ød$_2$ (mm)	s (mm)	L (mm)	H (mm)	kg
800	630	0.8	720	615	**14.28**
800	710	0.8	800	585	**15.01**
800	800	0.8	890	585	**16.18**
900	630	0.8	910	795	**20.89**
900	710	1.0	990	775	**27.65**
900	800	1.0	1080	755	**29.25**
900	900	1.0	1180	775	**31.74**
1000	500	1.0	780	975	**26.63**
1000	630	1.0	910	955	**30.31**
1000	710	1.0	990	935	**32.27**
1000	800	1.0	1080	935	**34.72**
1000	900	1.0	1180	915	**36.89**
1000	1000	1.0	1280	915	**39.34**
1250	630	1.0	910	1095	**36.77**
1250	800	1.0	1080	1075	**42.29**
1250	900	1.0	1180	1055	**45.12**
1250	1000	1.0	1280	1055	**48.21**
1250	1250	1.0	1530	1045	**55.10**
1500	1000	1.0	1280	1200	**62.60**
1500	1250	1.0	1530	1200	**73.90**
1500	1500	1.0	1780	1200	**85.30**
1600	1000	1.0	1280	1250	**66.10**
1600	1250	1.0	1530	1250	**77.90**
1600	1500	1.0	1780	1250	**89.70**
1600	1600	1.0	1880	1250	**94.62**

02.8 SPIRO X-Crosses

Four-way round cross branch fittings for SPIRO distribution runs

TECHNICAL DRAWING (DIMENSIONS IN MM)



NOTE: C = D = 50 mm

Ød$_1$ (mm)	Ød$_2$ (mm)	s (mm)	L (mm)	H (mm)	kg
100	80	0.6	140	80	**0.50**
100	100	0.6	160	120	**0.67**
125	80	0.6	140	110	**0.63**
125	100	0.6	160	95	**0.65**
125	125	0.6	190	120	**0.82**
150	80	0.6	140	125	**0.72**
150	100	0.6	160	120	**0.78**
150	125	0.6	190	140	**0.95**
150	150	0.6	210	145	**1.05**
160	80	0.6	140	130	**0.76**
160	100	0.6	160	125	**0.82**
160	125	0.6	190	145	**1.00**
160	150	0.6	210	150	**1.10**
160	160	0.6	220	150	**1.14**
200	100	0.6	160	150	**0.99**
200	125	0.6	190	170	**1.19**
200	150	0.6	210	160	**1.24**
200	160	0.6	220	160	**1.28**
200	200	0.6	290	200	**1.75**
250	125	0.6	175	190	**1.33**
250	150	0.6	190	190	**1.42**
250	160	0.6	190	190	**1.43**
250	200	0.6	240	200	**1.70**
250	250	0.6	315	215	**2.11**

Ød$_1$ (mm)	Ød$_2$ (mm)	s (mm)	L (mm)	H (mm)	kg
300	150	0.6	360	255	**2.56**
300	160	0.6	360	255	**2.59**
300	200	0.6	210	245	**1.94**
300	250	0.6	305	260	**2.52**
315	150	0.8	370	255	**3.57**
315	160	0.8	370	255	**3.60**
315	200	0.8	220	220	**2.48**
315	250	0.8	315	245	**3.32**
315	300	0.8	360	255	**3.72**
315	315	0.8	370	255	**3.76**
355	200	0.8	355	200	**3.36**
355	250	0.8	405	250	**4.13**
355	300	0.8	360	285	**4.20**
355	315	0.8	370	285	**4.27**
355	355	0.8	405	285	**4.50**
400	200	0.8	445	305	**5.13**
400	250	0.8	290	295	**3.89**
400	300	0.8	360	315	**4.70**
400	315	0.8	370	315	**4.78**
400	355	0.8	405	300	**4.84**
400	400	0.8	445	325	**5.49**
450	250	0.8	360	310	**4.80**
450	300	0.8	480	320	**5.98**
450	315	0.8	490	320	**6.06**

02.8 SPIRO X-Crosses (continued)

Four-way round cross branch fittings for SPIRO distribution runs

DIMENSION OVERVIEW — TABLE CONTINUED (450 mm – 1600 mm)

NOTE: C = D = 50 mm

Ød$_1$ (mm)	Ød$_2$ (mm)	s (mm)	L (mm)	H (mm)	kg
450	355	0.8	405	330	**5.41**
450	400	0.8	445	340	**5.87**
450	450	0.8	490	355	**6.44**
500	250	0.8	540	385	**7.52**
500	315	0.8	340	365	**5.41**
500	355	0.8	405	365	**6.05**
500	400	0.8	445	370	**6.48**
500	450	0.8	490	395	**7.29**
500	500	0.8	560	420	**8.39**
560	400	0.8	490	400	**7.62**
560	450	0.8	540	400	**8.09**
560	500	0.8	590	410	**8.71**
560	560	0.8	650	420	**9.39**
630	400	0.8	490	455	**8.75**
630	450	0.8	540	455	**9.33**
630	500	0.8	590	455	**9.86**
630	560	0.8	650	440	**10.10**
630	630	0.8	720	475	**11.50**
710	500	0.8	590	485	**10.75**
710	560	0.8	650	485	**11.39**
710	630	0.8	720	505	**12.54**
710	710	0.8	800	515	**13.52**
800	400	0.8	490	585	**11.44**
800	450	0.8	540	590	**12.37**
800	500	0.8	590	590	**13.16**
800	560	0.8	650	595	**14.16**

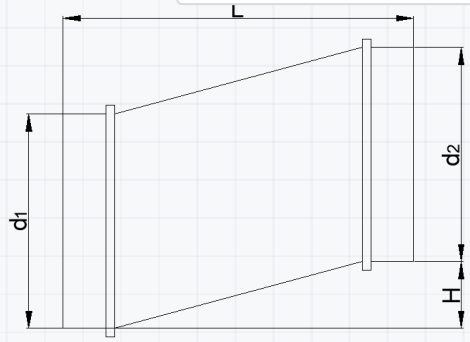
Ød$_1$ (mm)	Ød$_2$ (mm)	s (mm)	L (mm)	H (mm)	kg
800	630	0.8	720	600	**15.24**
800	710	0.8	800	570	**15.40**
800	800	0.8	890	570	**16.26**
900	630	0.8	910	780	**23.47**
900	710	1.0	990	760	**30.58**
900	800	1.0	1080	740	**31.72**
900	900	1.0	1180	760	**34.40**
1000	500	1.0	780	960	**31.20**
1000	630	1.0	910	940	**35.24**
1000	710	1.0	990	920	**37.12**
1000	800	1.0	1080	920	**39.75**
1000	900	1.0	1180	900	**41.56**
1000	1000	1.0	1280	900	**43.90**
1250	630	1.0	910	1080	**41.93**
1250	800	1.0	1080	1060	**47.62**
1250	900	1.0	1180	1040	**20.11**
1250	1000	1.0	1280	1040	**53.15**
1250	1250	1.0	1530	1030	**59.03**
1500	1000	1.0	1280	1200	**71.10**
1500	1250	1.0	1530	1200	**83.80**
1500	1500	1.0	1780	1200	**96.90**
1600	1000	1.0	1280	1250	**74.50**
1600	1250	1.0	1530	1250	**87.60**
1600	1500	1.0	1780	1250	**100.80**
1600	1600	1.0	1880	1250	**106.40**

02.9 SPIRO S-Offsets

Round S-offset bends custom fabricated to project height H and length L

TECHNICAL DRAWING (DIMENSIONS IN MM)

Offset height H (mm) and length L (m) are fabricated to project dimensions.

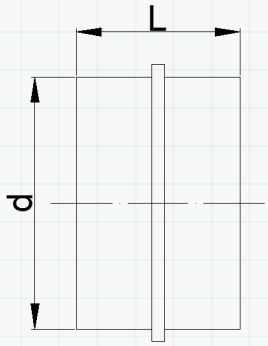


Ød (mm)	s (mm)	H (mm)	L (m)
100	0.5	–	–
125	0.5	–	–
150	0.5	–	–
160	0.5	–	–
200	0.5	–	–
250	0.5	–	–
300	0.5	–	–
315	0.6	–	–
355	0.6	–	–
400	0.6	–	–
450	0.6	–	–
500	0.8	–	–
560	0.8	–	–
630	0.8	–	–
710	0.8	–	–
800	0.8	–	–
900	0.8	–	–
1000	1.0	–	–
1250	1.0	–	–
1500	1.0	–	–
1600	1.0	–	–

02.10 SPIRO Duct Couplers

Galvanized male/female round pipe couplers with centre stop bead

TECHNICAL DRAWING (DIMENSIONS IN MM)

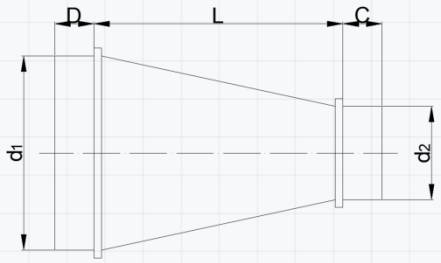


Ød (mm)	s (mm)	L (mm)	kg/pc
100	0.5	100	**0.12**
125	0.5	100	**0.15**
150	0.5	120	**0.22**
160	0.5	120	**0.24**
200	0.5	130	**0.32**
250	0.5	140	**0.43**
300	0.5	170	**0.63**
315	0.6	170	**0.79**
355	0.6	170	**0.89**
400	0.6	180	**1.06**
450	0.6	180	**1.20**
500	0.8	190	**1.87**
560	0.8	190	**2.10**
630	0.8	190	**2.36**
710	0.8	220	**3.08**
800	0.8	220	**3.48**
900	0.8	220	**3.91**
1000	1.0	220	**5.43**
1250	1.0	260	**8.02**
1500	1.0	300	**11.76**
1600	1.0	320	**13.38**

02.11 Round / Round Reducers

Concentric round transition reducers for SPIRO diameter changes

TECHNICAL DRAWING (DIMENSIONS IN MM)



NOTE: C = D = 50 mm

Ød$_1$ (mm)	Ød$_2$ (mm)	s (mm)	L (mm)	kg
100	80	0.6	55	**0.21**
125	80	0.6	85	**0.29**
125	100	0.6	65	**0.28**
150	80	0.6	105	**0.36**
150	100	0.6	95	**0.37**
150	125	0.6	65	**0.33**
160	80	0.6	130	**0.44**
160	100	0.6	105	**0.41**
160	125	0.6	75	**0.37**
160	150	0.6	45	**0.32**
200	100	0.6	155	**0.61**
200	125	0.6	125	**0.57**
200	150	0.6	95	**0.53**
200	160	0.6	80	**0.50**
250	125	0.6	185	**0.86**
250	150	0.6	155	**0.82**
250	160	0.6	140	**0.80**
250	200	0.6	95	**0.72**

Ød$_1$ (mm)	Ød$_2$ (mm)	s (mm)	L (mm)	kg
300	150	0.6	215	**1.18**
300	160	0.6	200	**1.16**
300	200	0.6	155	**1.10**
300	250	0.6	95	**1.03**
315	160	0.8	220	**1.77**
315	200	0.8	170	**1.68**
315	250	0.8	110	**1.59**
315	300	0.8	50	**1.52**
355	250	0.8	160	**1.93**
355	300	0.8	100	**1.84**
355	315	0.8	80	**1.81**
400	200	0.8	275	**2.72**
400	250	0.8	175	**2.54**
400	300	0.8	155	**2.48**
400	315	0.8	135	**2.45**
400	355	0.8	85	**2.38**
450	315	0.8	195	**2.99**
450	355	0.8	145	**2.91**

02.11 Round / Round Reducers (continued)

Concentric round transition reducers for SPIRO diameter changes

DIMENSION OVERVIEW — TABLE CONTINUED (450 mm – 1600 mm)

NOTE: C = D = 50 mm

Ød$_1$ (mm)	Ød$_2$ (mm)	s (mm)	L (mm)	kg
450	400	0.8	95	**2.84**
500	250	0.8	335	**3.93**
500	315	0.8	255	**3.78**
500	355	0.8	210	**3.72**
500	400	0.8	95	**3.56**
500	450	0.8	95	**3.68**
560	400	0.8	225	**4.26**
560	450	0.8	165	**4.16**
560	500	0.8	105	**4.07**
630	315	0.8	415	**5.47**
630	400	0.8	310	**5.26**
630	450	0.8	250	**5.17**
630	500	0.8	190	**5.08**
630	560	0.8	115	**4.97**
710	500	0.8	285	**5.95**
710	560	0.8	215	**5.84**
710	630	0.8	130	**5.71**
800	400	0.8	515	**8.04**
800	500	0.8	395	**7.80**

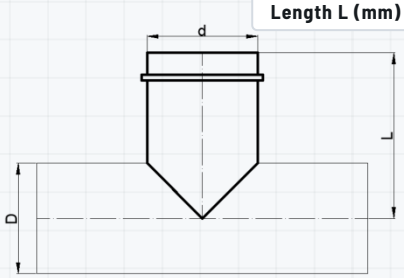
Ød$_1$ (mm)	Ød$_2$ (mm)	s (mm)	L (mm)	kg
800	560	0.8	320	**7.66**
800	630	0.8	240	**7.50**
800	710	0.8	140	**7.31**
900	630	0.8	360	**9.12**
900	710	1.0	260	**11.45**
900	800	1.0	155	**10.99**
1000	500	1.0	635	**16.07**
1000	630	1.0	480	**15.46**
1000	710	1.0	385	**15.09**
1000	800	1.0	275	**14.70**
1000	900	1.0	155	**14.28**
1250	630	1.0	780	**25.60**
1250	800	1.0	575	**24.87**
1250	900	1.0	455	**24.44**
1250	1000	1.0	355	**24.01**
1500	1000	1.0	675	**26.80**
1500	1250	1.0	455	**20.60**
1600	1250	1.0	555	**25.42**
1600	1500	1.0	455	**22.60**

For transitions from round SPIRO ducts to rectangular runs, see Round / Rectangular Transitions (01.3, pp. 06–07).

02.12 SPIRO Saddle Branches

Lateral collar saddle take-offs ØD / Ød for direct mounting onto main ducts

TECHNICAL DRAWING (DIMENSIONS IN MM)



Length L (mm) is fabricated according to project requirements.

ØD (mm)	Ød (mm)	s (mm)	L (mm)
100	80	0.6	–
100	100	0.6	–
125	80	0.6	–
125	100	0.6	–
125	125	0.6	–
150	80	0.6	–
150	100	0.6	–
150	125	0.6	–
150	150	0.6	–
160	80	0.6	–
160	100	0.6	–
160	125	0.6	–
160	150	0.6	–
160	160	0.6	–
200	100	0.6	–
200	125	0.6	–
200	150	0.6	–
200	160	0.6	–
200	200	0.6	–
250	125	0.6	–
250	150	0.6	–
250	160	0.6	–
250	200	0.6	–
250	250	0.6	–

ØD (mm)	Ød (mm)	s (mm)	L (mm)
300	150	0.6	–
300	160	0.6	–
300	200	0.6	–
300	250	0.6	–
315	150	0.8	–
315	160	0.8	–
315	200	0.8	–
315	250	0.8	–
315	300	0.8	–
315	315	0.8	–
355	200	0.8	–
355	250	0.8	–
355	300	0.8	–
355	315	0.8	–
355	355	0.8	–
400	200	0.8	–
400	250	0.8	–
400	300	0.8	–
400	315	0.8	–
400	355	0.8	–
400	400	0.8	–
450	250	0.8	–
450	300	0.8	–
450	315	0.8	–

02.12 SPIRO Saddle Branches (continued)

Lateral collar saddle take-offs ØD / Ød for direct mounting onto main ducts

DIMENSION OVERVIEW — TABLE CONTINUED (450 mm – 1600 mm)

Length L (mm) is fabricated according to project requirements.

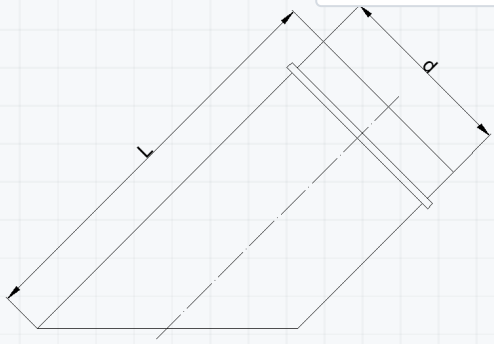
ØD (mm)	Ød (mm)	s (mm)	L (mm)
450	355	0.8	–
450	400	0.8	–
450	450	0.8	–
500	250	0.8	–
500	315	0.8	–
500	355	0.8	–
500	400	0.8	–
500	450	0.8	–
500	500	0.8	–
560	400	0.8	–
560	450	0.8	–
560	500	0.8	–
560	560	0.8	–
630	400	0.8	–
630	450	0.8	–
630	500	0.8	–
630	560	0.8	–
630	630	0.8	–
710	500	0.8	–
710	560	0.8	–
710	630	0.8	–
710	710	0.8	–
800	400	0.8	–
800	450	0.8	–
800	500	0.8	–

ØD (mm)	Ød (mm)	s (mm)	L (mm)
800	560	0.8	–
800	630	0.8	–
800	710	0.8	–
800	800	0.8	–
900	630	0.8	–
900	710	1.0	–
900	800	1.0	–
900	900	1.0	–
1000	500	1.0	–
1000	630	1.0	–
1000	710	1.0	–
1000	800	1.0	–
1000	900	1.0	–
1000	1000	1.0	–
1250	630	1.0	–
1250	800	1.0	–
1250	900	1.0	–
1250	1000	1.0	–
1250	1250	1.0	–
1500	1000	1.0	–
1500	1250	1.0	–
1500	1500	1.0	–
1600	1250	1.0	–
1600	1500	1.0	–
1600	1600	1.0	–

02.13 SPIRO Angled Branch Take-Offs

Angled lateral take-off pipes for oblique connections onto round runs

TECHNICAL DRAWING (DIMENSIONS IN MM)



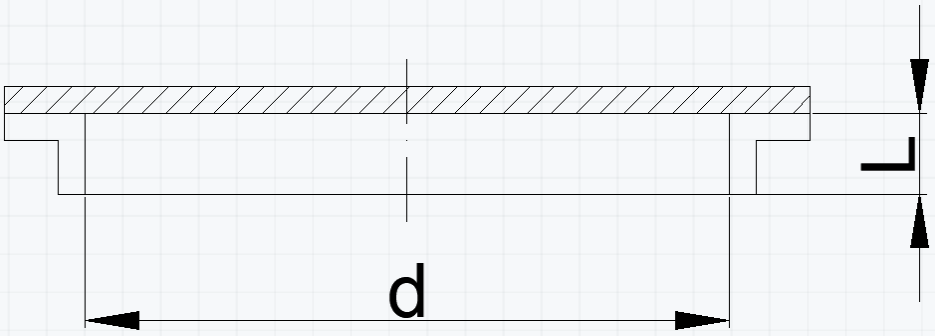
Length L (m) is fabricated according to project requirements.

Ød (mm)	s (mm)	L (m)
100	0.5	–
125	0.5	–
150	0.5	–
160	0.5	–
200	0.5	–
250	0.5	–
300	0.5	–
315	0.6	–
355	0.6	–
400	0.6	–
450	0.6	–
500	0.8	–
560	0.8	–
630	0.8	–
710	0.8	–
800	0.8	–
900	0.8	–
1000	1.0	–
1250	1.0	–
1500	1.0	–
1600	1.0	–

02.14 SPIRO S End Caps

Precision closing end caps for round SPIRO ducts and fittings

TECHNICAL DRAWING (DIMENSIONS IN MM)



Ød (mm)	s (mm)	L (mm)	kg
100	0.5	30	**0.1**
125	0.5	30	**0.16**
150	0.5	30	**0.26**
160	0.5	30	**0.32**
200	0.5	30	**0.45**
250	0.5	30	**0.56**
300	0.5	30	**1.37**
315	0.6	30	**1.48**
355	0.6	30	**1.91**
400	0.6	50	**2.33**
450	0.6	50	**2.67**
500	0.8	50	**3.48**
560	0.8	50	**4.20**
630	0.8	50	**5.12**
710	0.8	50	**6.45**
800	0.8	70	**8.33**
900	0.8	70	**12.51**
1000	1.0	70	**16.01**
1250	1.0	70	**24.11**
1500	1.0	70	**32.10**
1600	1.0	70	**35.70**

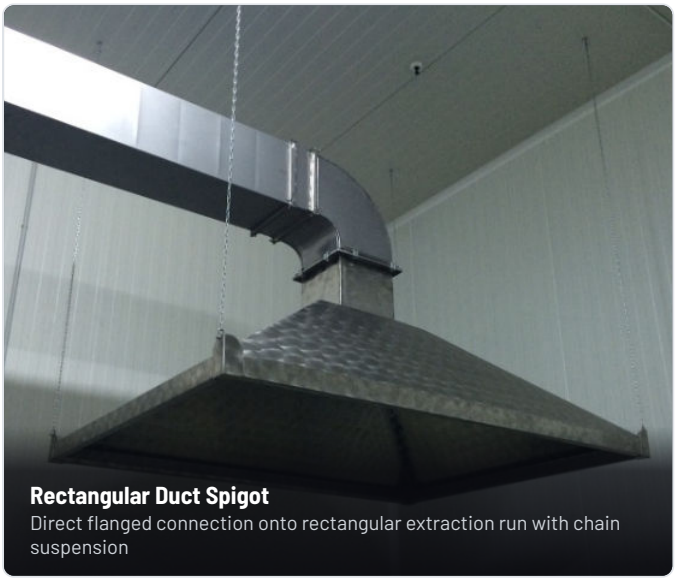
BESPOKE ELEMENTS TO CUSTOMER SPECIFICATION

03.1 Ventilation Hoods

Custom fabrication according to customer drawings and requirements — heavy-duty exhaust hoods for commercial hospitality kitchens, workshops and industrial plants.



Standard Hood Profile
Compact stainless or galvanized construction with top exhaust spigot



Rectangular Duct Spigot
Direct flanged connection onto rectangular extraction run with chain suspension



Round SPIRO Connection
Version with round elbow outlet and wall penetration

CUSTOM DIMENSIONS
Width, depth, canopy height and exhaust spigot position are tailored to exact kitchen equipment layout.

MATERIALS & FINISH
Manufactured from high-grade galvanized steel or stainless steel (INOX) matching site hygiene standards.

SYSTEM CONNECTIONS
Prepared with rectangular flanges or SPIRO collars, suspension anchor points and optional grease filter housings.

CNC DECORATIVE COVERS · OUTDOOR UNIT PROTECTION

03.2 CNC AC Unit Covers

Aesthetic CNC plasma-cut metal enclosures for outdoor air-conditioning condensers — elevating architectural facades on apartment buildings, offices and homes.



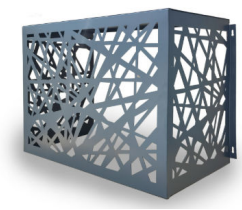
Fabricated at HSVent · Anthracite / Brown
CNC plasma-cut shroud with precision top and side ventilation perforations



Series Facade Installation
Uniform architectural appearance across multiple AC units per floor



Hexagonal Grid
Minimalist CNC pattern



Abstract Linear
With wall brackets

UNRESTRICTED AIRFLOW
Perforation geometry maintains full condenser cooling airflow.

CUSTOM PATTERNS
Choose standard CNC motifs or supply your own architectural pattern.

ALL UNIT SIZES
Built for single or multi-split outdoor units and heat pumps.

WEATHER SHIELD
Shields outdoor condensers from sun, hail and mechanical damage.

CUSTOM ARCHITECTURAL FLASHING

03.3 Window Sills

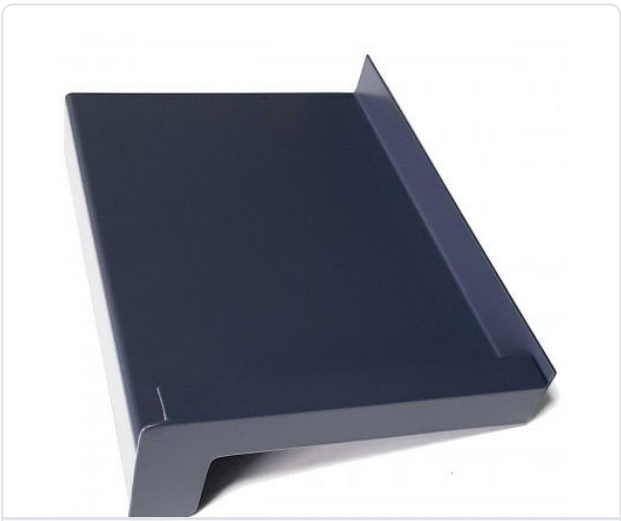
Precision-bent metal exterior window sills with protective drip edge and closed end seams for clean water runoff and long-term facade protection.



Drip-Edge Sill Profile
Top window frame flange and formed front nose preventing water runback



Clean Facade Installation
Flush alignment with window reveals and weather-tight end returns



Folded End-Return Detail
Closed side upstand prevents rainwater streaking down the exterior render

EXACT OPENING SIZES
Cut and bent to your exact window widths and depths with zero site waste or extra trimming.

SHARP PRECISION BENDS
Crisp, consistent fold lines with integrated lower drip nose directing rainwater clear of plaster.

COLOURS & GAUGES
Available in anthracite, silver grey and custom powder-coated or pre-painted finishes.

03.4 SPIRO Spiral Ducts & CNC Cutting to 10 mm

Round spiral lock-seam ductwork and CNC plasma cutting of decorative railings & steel parts

03.4 · SPIRO PRODUCTION

Round SPIRO Ducts & Matching Fittings

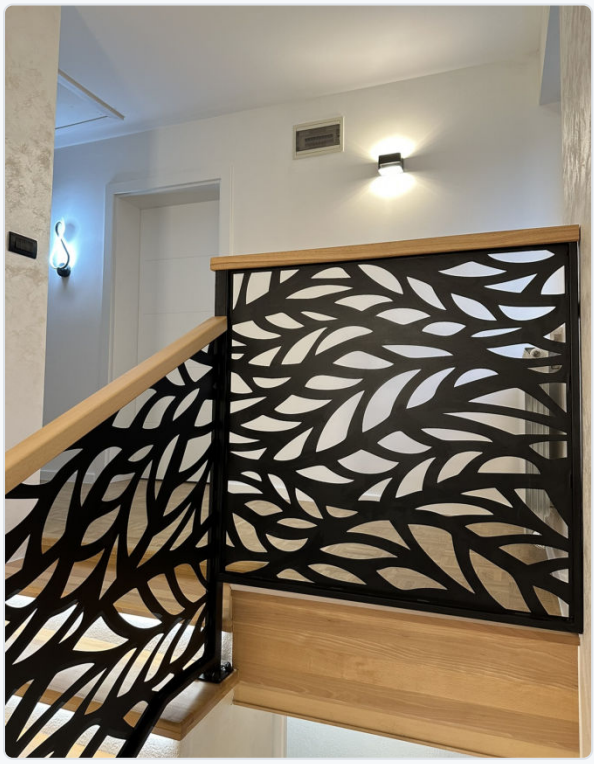
We manufacture spiral lock-seam round ducts (SPIRO) with high airtightness and structural rigidity for commercial, hospitality and industrial HVAC systems.

- Spiral lock-seam construction — superior rigidity and minimal pressure loss
- Full compatibility with our round-to-rectangular transitions (pages 06–07)
- Full SPIRO CAD drawings & dimension tables are listed on pages 18–35
- Standard diameters from Ø80 mm up to Ø1600 mm with custom runs available

SPIRAL LOCK-SEAM | Ø80 – Ø1600 MM | FAST ASSEMBLY


SPIRO DUCTS


ROUND ELBOWS



03.4 · CNC PLASMA CUTTING UP TO 10 MM

Decorative Railings & Custom CNC Parts

Looking for a bespoke stair railing, gate or architectural screen? We CNC plasma-cut decorative metal panels directly from your drawing, vector file or sketch.

In addition to decorative panels, we cut steel plate **up to 10 mm thick** for mounting brackets, heavy flanges, base plates and industrial machine parts.

up to 10 mm	To drawing	Fast quote
metal cutting thickness	DXF/DWG or hand sketch	priced from your sizes

REQUEST A QUOTE OR SEND YOUR SPECIFICATION

From blueprint & CNC cut to finished ductwork.

Send us a technical drawing, sketch or dimension schedule — we respond promptly with pricing and lead time. Visit our production hall in Ilidža, Sarajevo, to discuss details on site.

CONTACT DETAILS

PRODUCTION HALL & ADDRESS
Rakovička cesta 122, 71210 Ilidža, Sarajevo

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