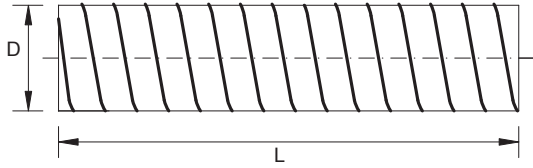




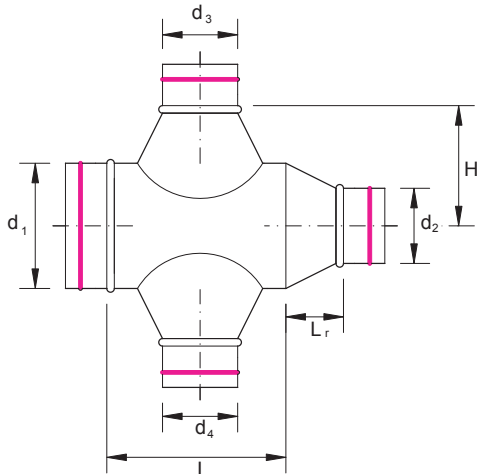
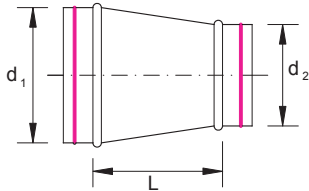
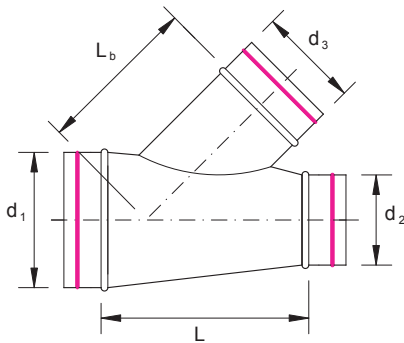
## Table of Contents

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## Product designations and standard gauges



D.....Nominal diameter (pipe size)  
 d<sub>1</sub>,d<sub>2</sub>,d<sub>3</sub>,d<sub>4</sub>.....Nominal diameter (fitting size)  
 L.....Installed length  
 L<sub>b</sub>.....Branch installed length  
 L<sub>r</sub>.....Reducer length  
 S.....Slip length  
 H.....Installed height  
 R.....Center line radius



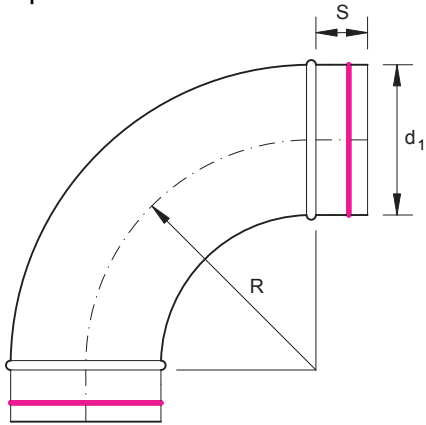
Galvanized Steel (ASAM A-527) or Stainless Steel (Type 304 or 316) Gauges for +10" W.G.		
Diameter	Spiral Pipe	Fitting/ Rolled Pipe
4"-14"	26	24
16"-26"	24	22
28"-36"	22	20
38"-48"	20	20

Aluminum (Type 3003-H14) Gauges for +2" W.G.		
Diameter	Spiral Pipe	Fitting/ Rolled Pipe
4"-14"	.025	.032
16"-26"	.032	.040
28"-36"	.040	.050
38"-48"	.050	.063

Polyvinyl Coated (PVC Coated) Steel Gauges					
4X1 Underground			4X4 or 4X1 Reverse Abovefloor		
Diameter	Spiral Pipe	Fitting/ Rolled Pipe	Diameter	Spiral Pipe	Fitting/ Rolled Pipe
4"-8"	26	26	4"-12"	26	26
9"-16"	24	24	14"	26	24
18"-24"	22	22	16"-18"	24	24
26"-32"	20	20	20"-26"	24	22
			28"	22	22
			30"-36"	22	20

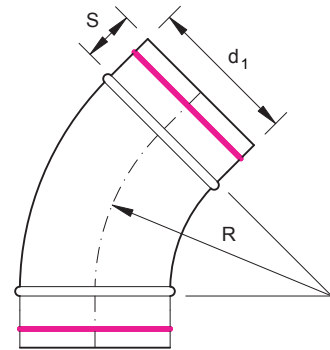
All measurements are in inches (")  
 All angles are in degrees (°)

Sizes 4" thru 12"  
90° Die-Stamped Elbow



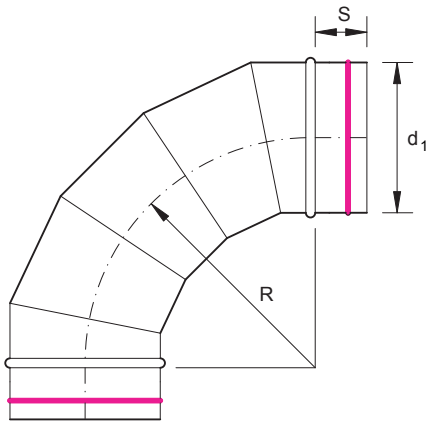
SAED90  
 $R=1.5Xd_1$

Sizes 4" thru 12"  
45° Die-Stamped Elbow



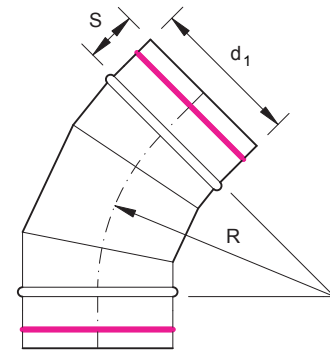
SAED45  
 $R=1.5Xd_1$

90° 5-Piece Elbow



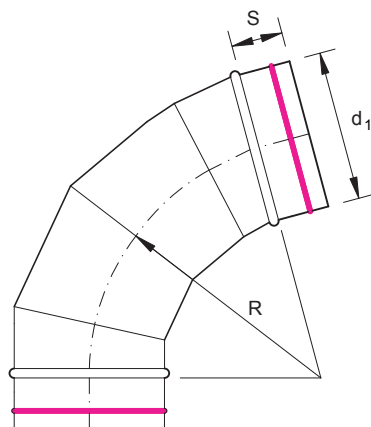
SAE590  
 $R=1.5Xd_1$

45° 3-Piece Elbow



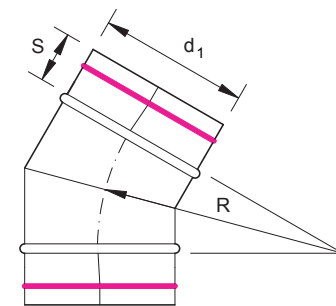
SAE345  
 $R=1.5Xd_1$

75° or 60° 4-Piece Elbow



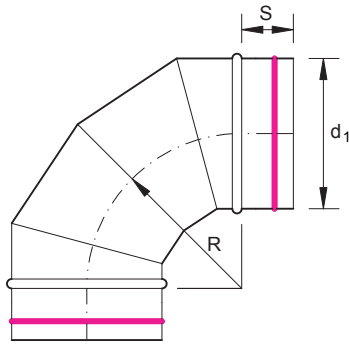
SAE475 OR SAE460  
 $R=1.5Xd_1$

30° or 22.5° 2-Piece Elbow



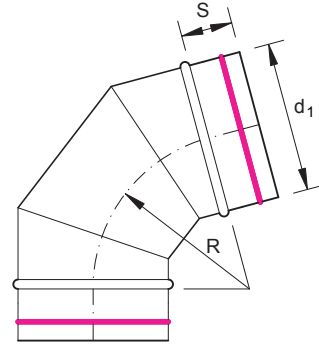
SAE230 OR SAE222.5  
 $R=1.5Xd_1$

## 90° 4-Piece Elbow



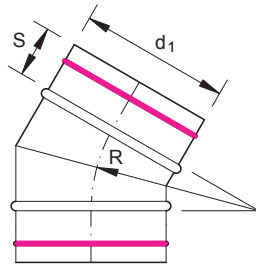
SAF490  
 $R=1.0Xd_1$

## 75° or 60° 3-Piece Elbow



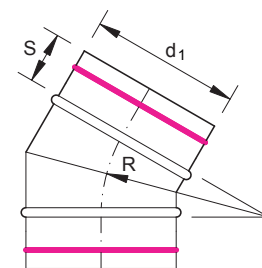
SAF375 OR SAF360  
 $R=1.0Xd_1$

## 45° 2-Piece Elbow



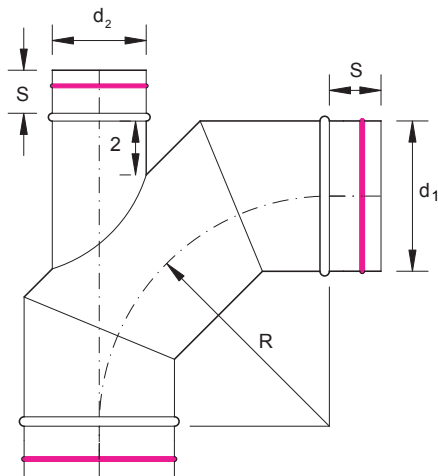
SAF245  
 $R=1.0Xd_1$

## 30° or 22.5° 2-Piece Elbow



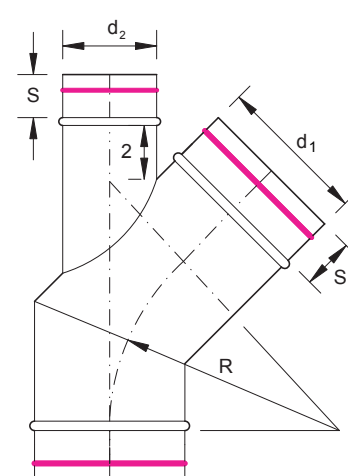
SAF230 OR SAF222.5  
 $R=1.0Xd_1$

## 90° 3-Piece Elbow with Take-Off



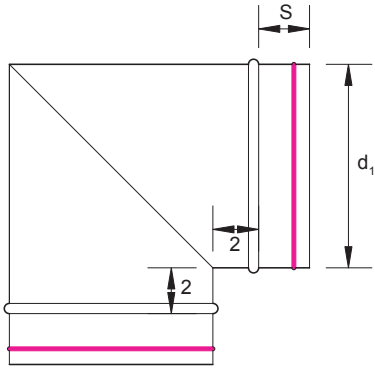
SAET90  
 $R=1.5Xd_1$

## 45° 2-Piece Elbow with Take-Off



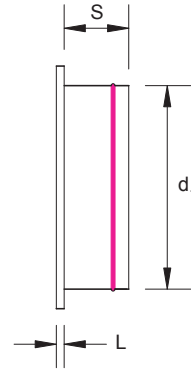
SAET45  
 $R=1.5Xd_1$

90° 2-Piece Mitered Elbow with or without Turning Vanes



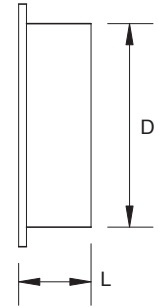
SAEM90

End Cap for Pipe



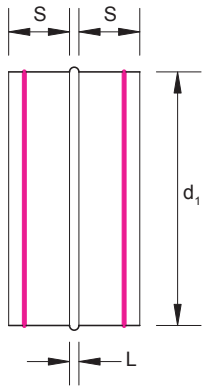
SAECP

End Cap for Fitting



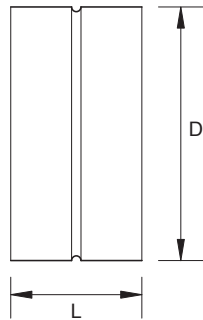
SAECF

Coupling for Pipe



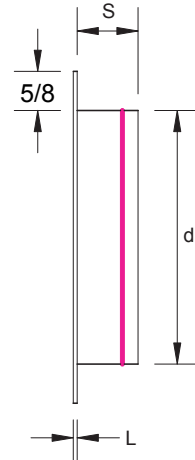
SAPC

Coupling for Fitting



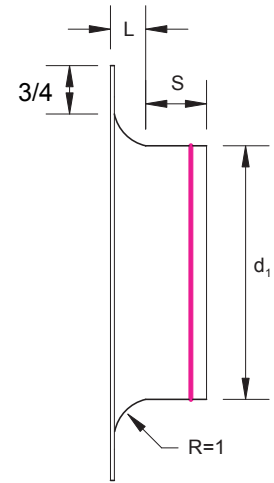
SAFC

Start Collar



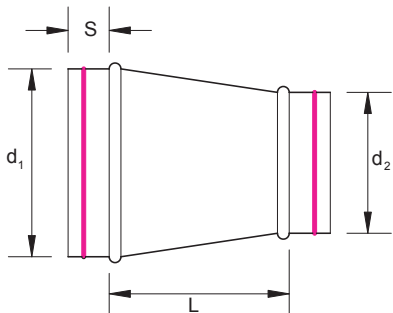
SASC

Bellmouth



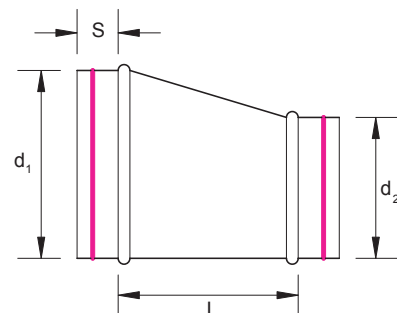
SABELL

Concentric Reducer



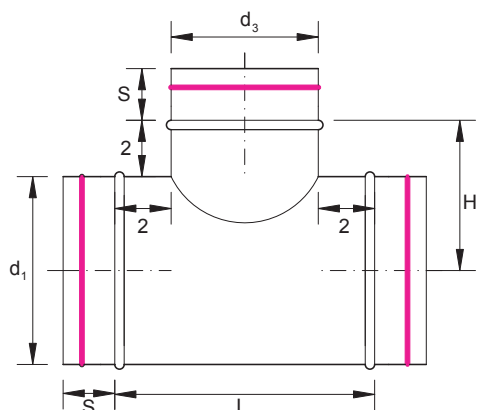
SACR

Eccentric Reducer



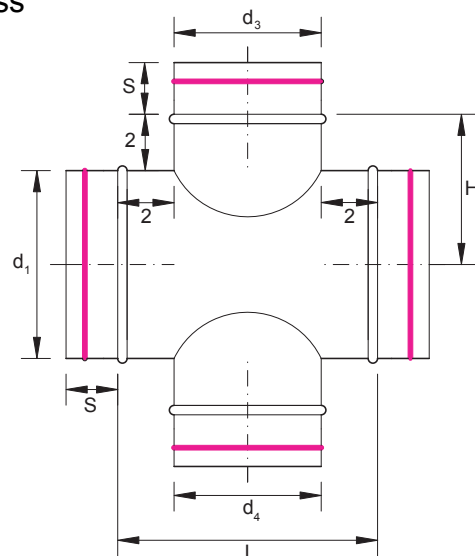
SAER

90° Tee



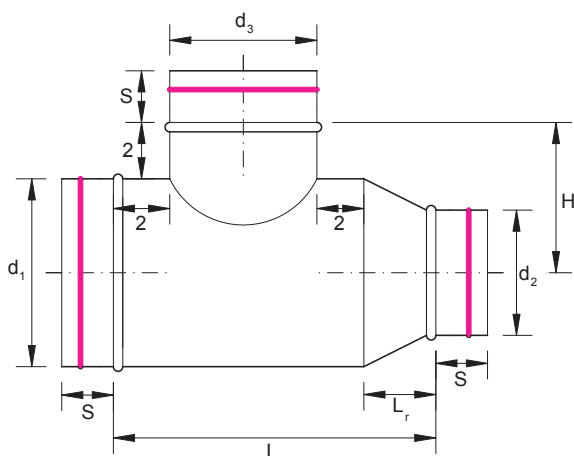
SAT90

180° Cross



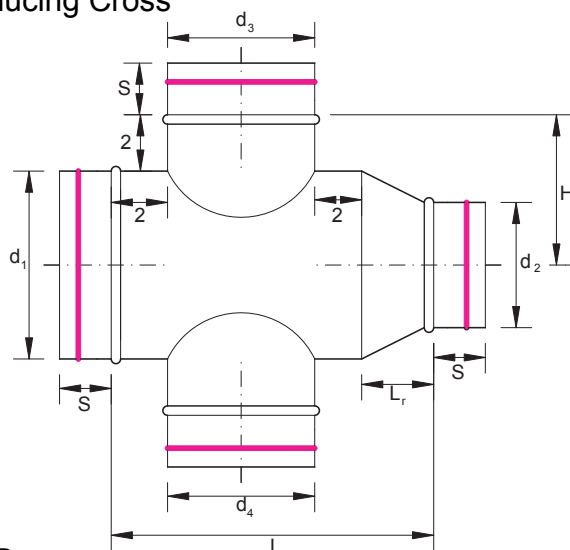
SAC180

90° Reducing Tee



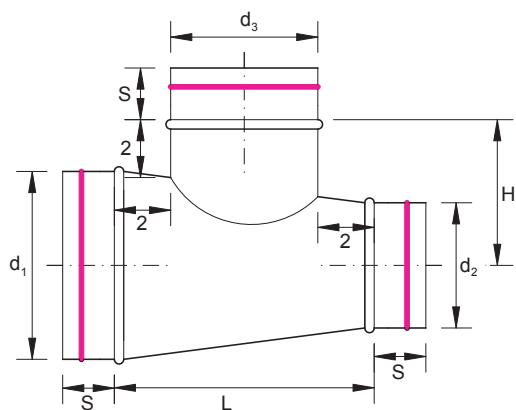
SAT90R

180° Reducing Cross



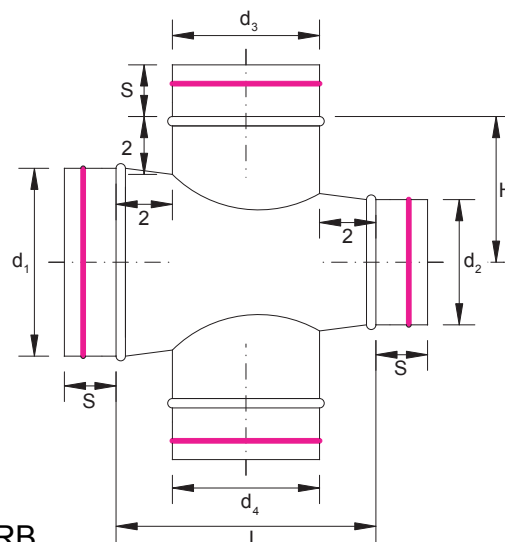
SAC180R

90° Reducing Body Tee



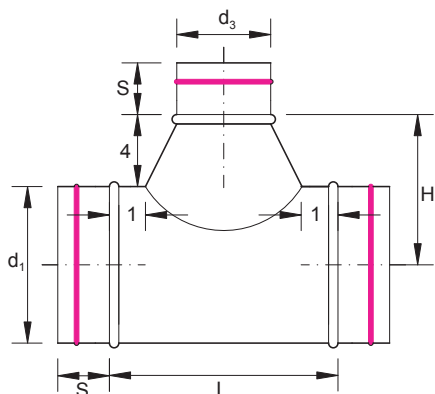
SAT90RB

180° Reducing Body Cross



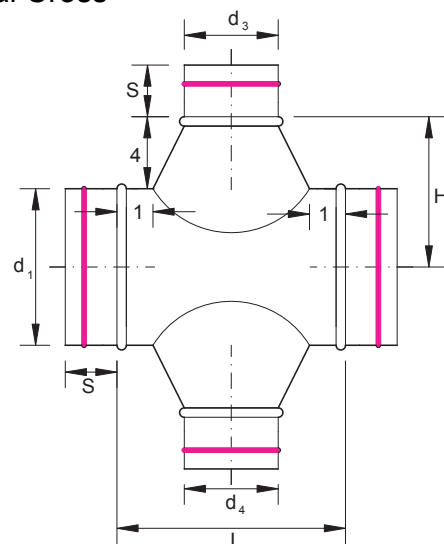
SAC180RB

90° Conical Tee



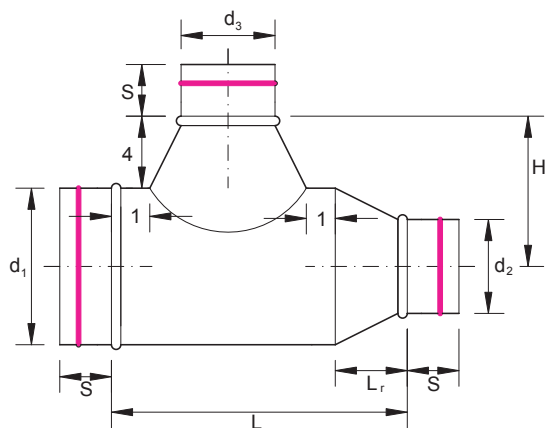
SACT90

180° Conical Cross



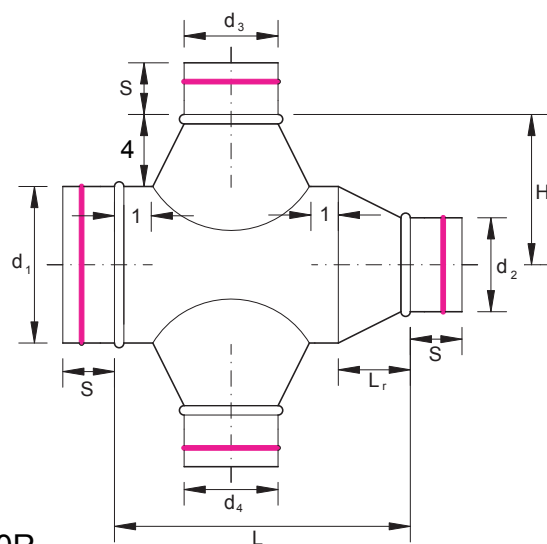
SACC180

90° Reducing Conical Tee



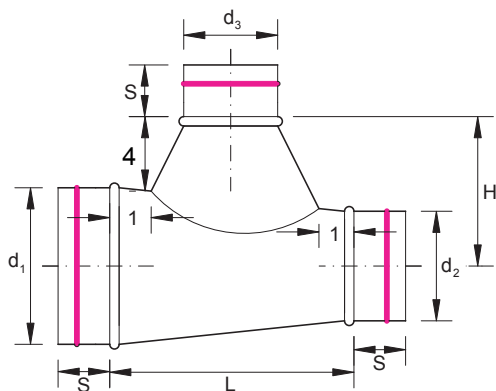
SACT90R

180° Conical Reducing Cross



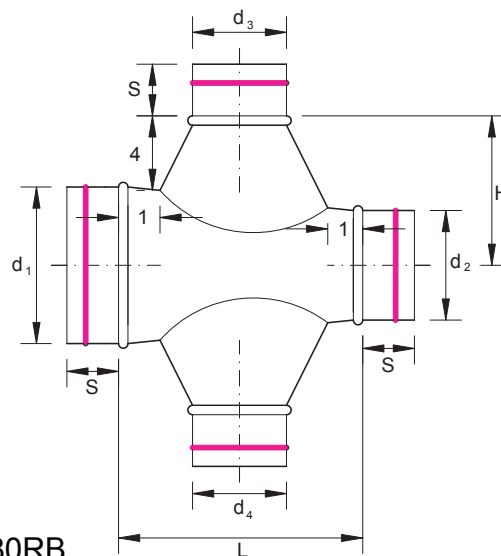
SACC180R

90° Reducing Body Conical Tee



SACT90RB

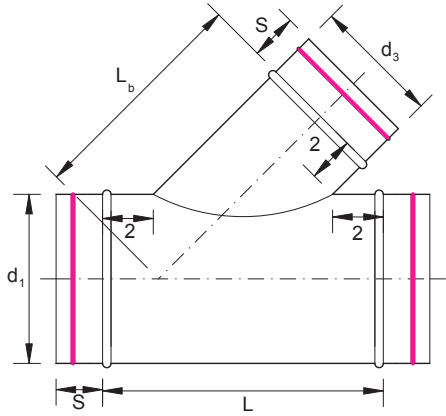
180° Reducing Body Conical Cross



SACC180RB

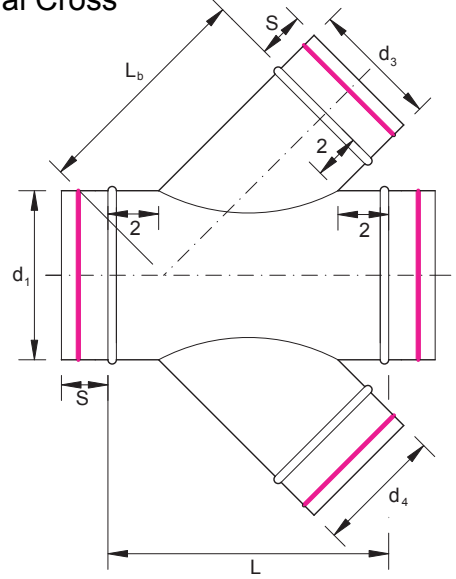


45° Lateral



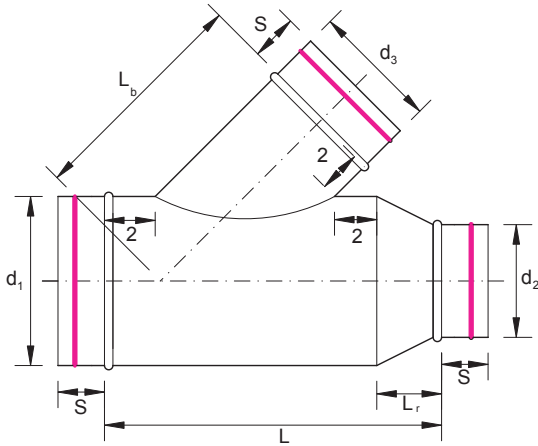
SAL45

45° Lateral Cross



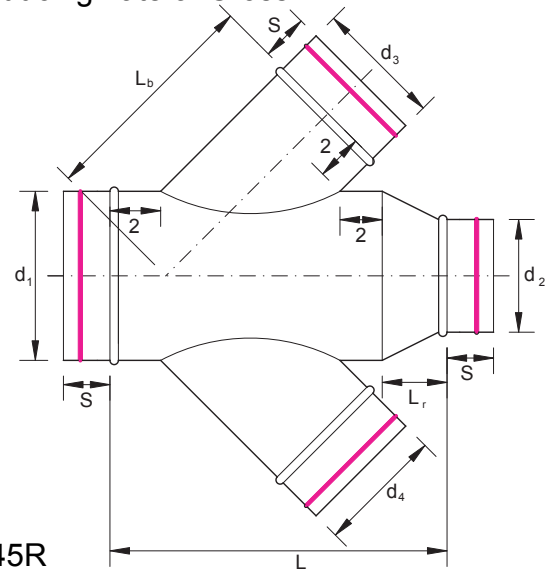
SALC45

45° Reducing Lateral



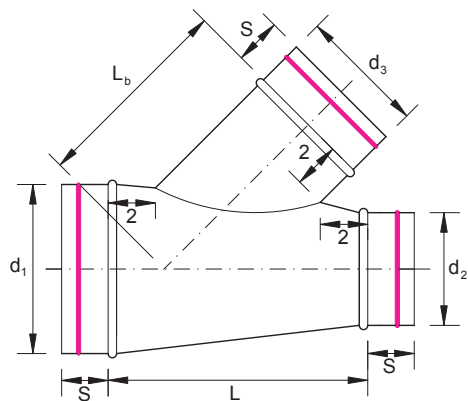
SAL45R

45° Reducing Lateral Cross



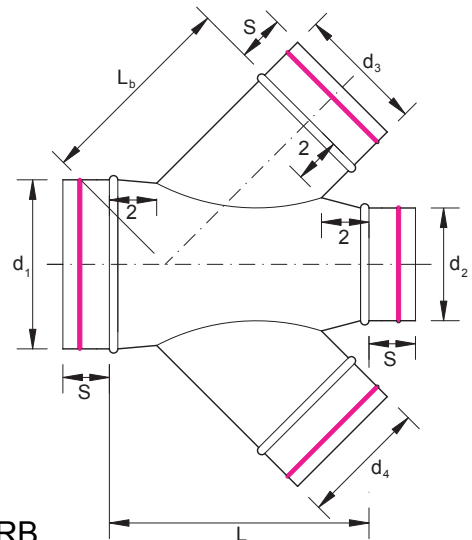
SALC45R

45° Reducing Body Lateral



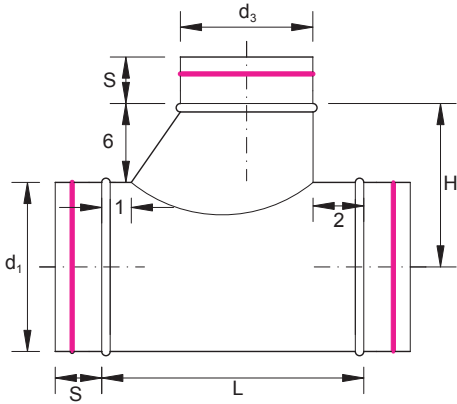
SAL45RB

45° Reducing Body Lateral Cross



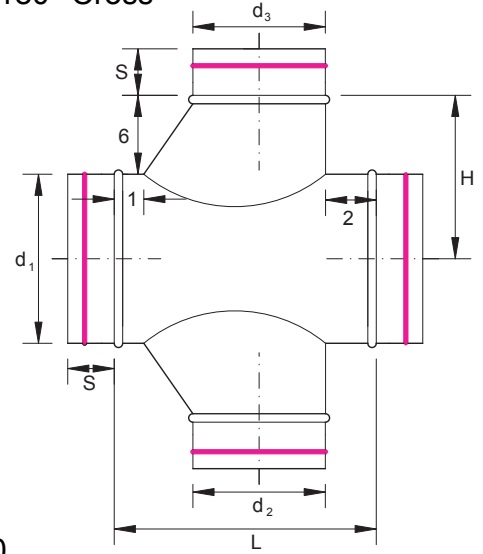
SALC45RB

Shoe Type 90° Tee



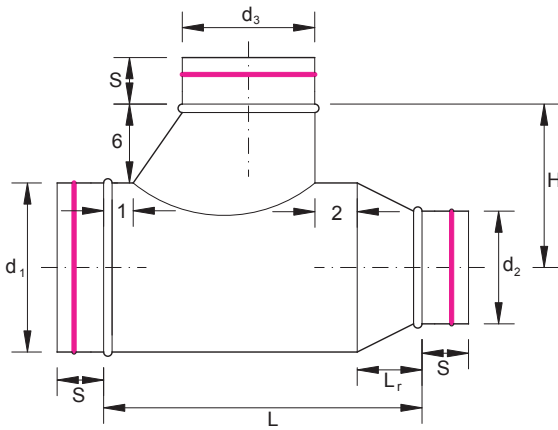
SASTT90

Shoe Type 180° Cross



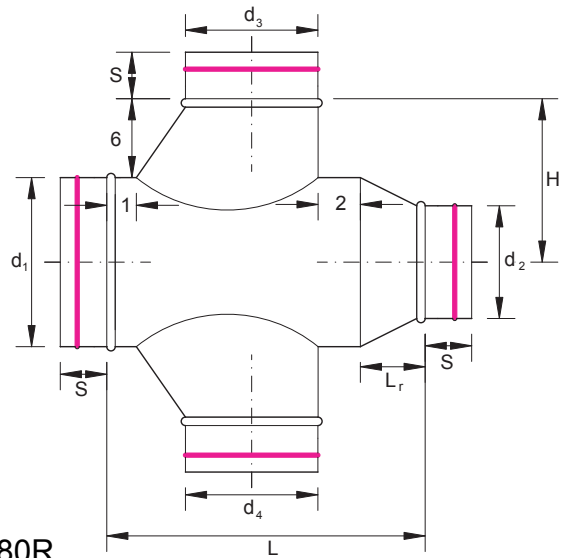
SASTC180

Shoe Type 90° Reducing Tee



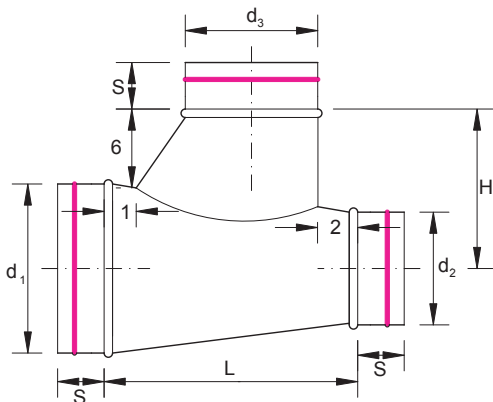
SASTT90R

Shoe Type 180° Reducing Cross



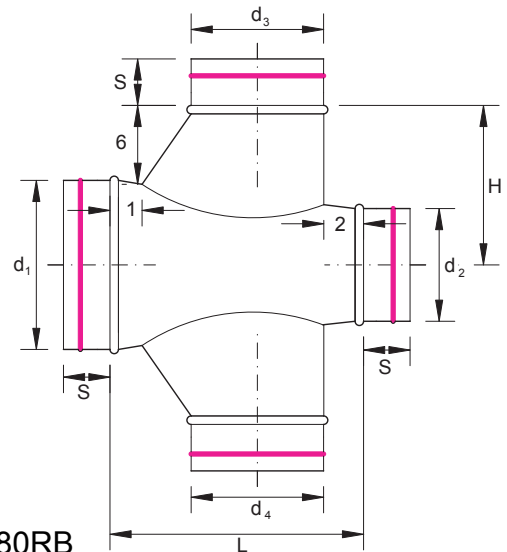
SASTC180R

Shoe Type 90° Reducing Body Tee



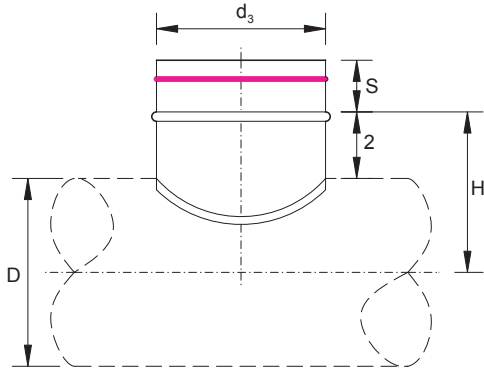
SASTT90RB

Shoe Type 180° Reducing Body Cross



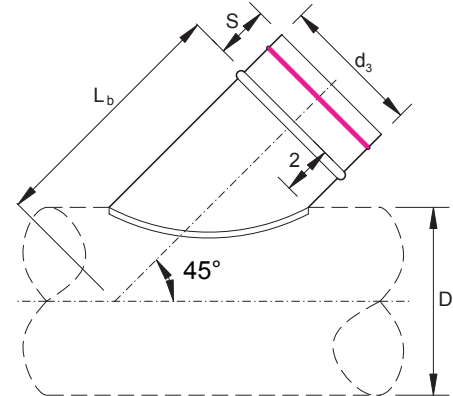
SASTC180RB

90° Saddle Tap



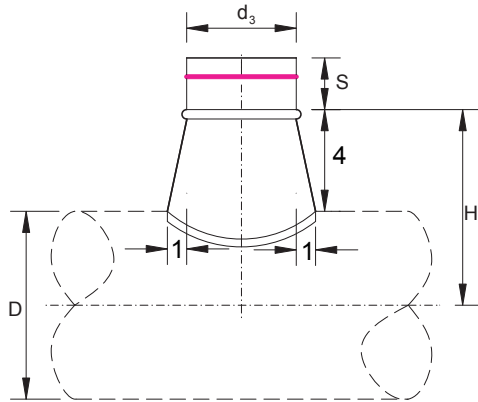
SATAP90

45° Saddle Tap



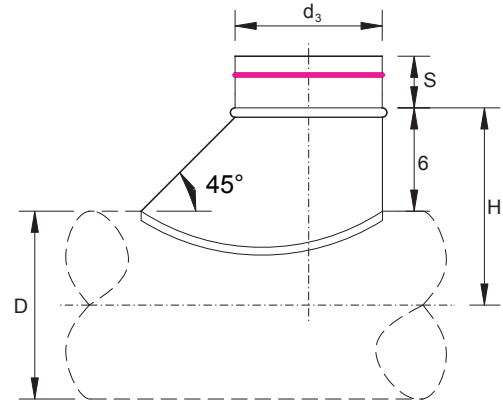
SATAP45

90° Conical Saddle Tap



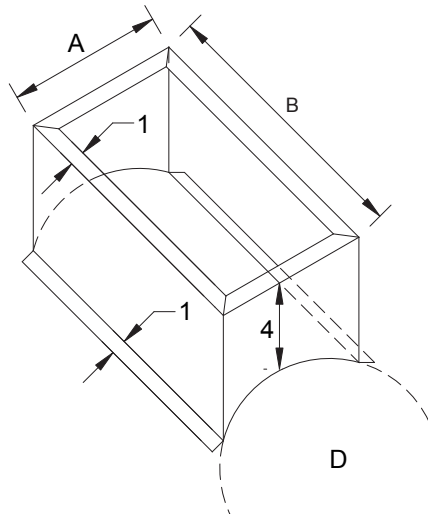
SACTAP90

90° Shoe Type Saddle Tap



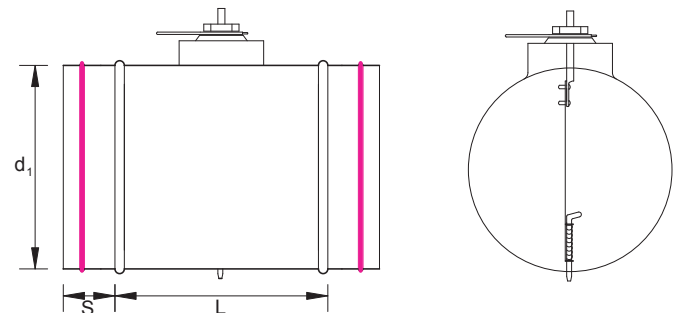
SASTAP90

Register Box



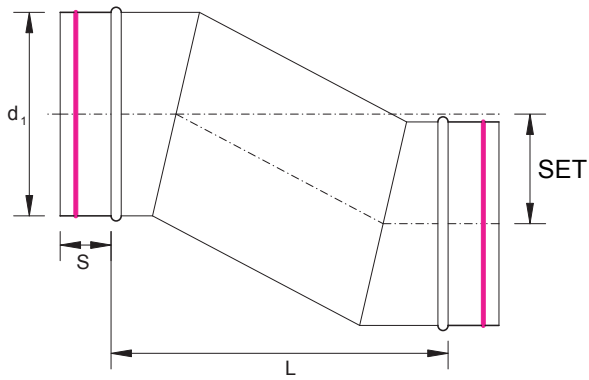
SARB

Volume Damper



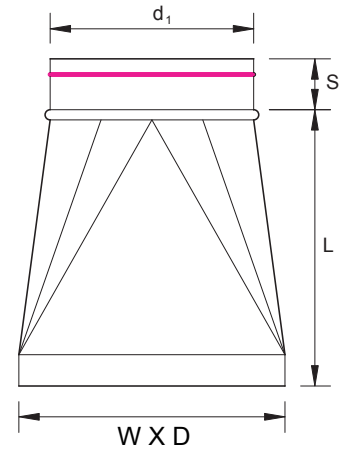
SAVD

Offset



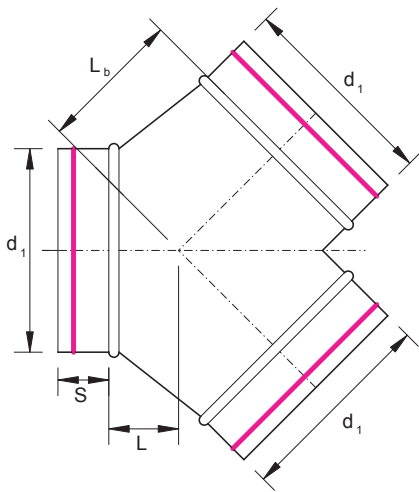
SAOFF

Square to Round



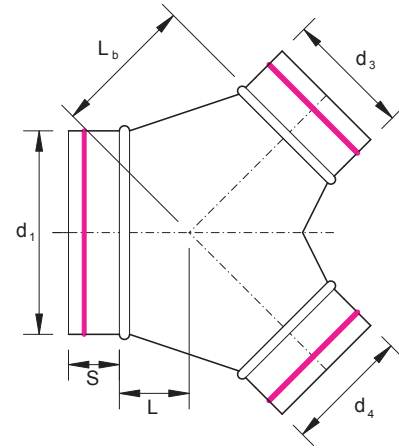
SASQRD

Y-Branch



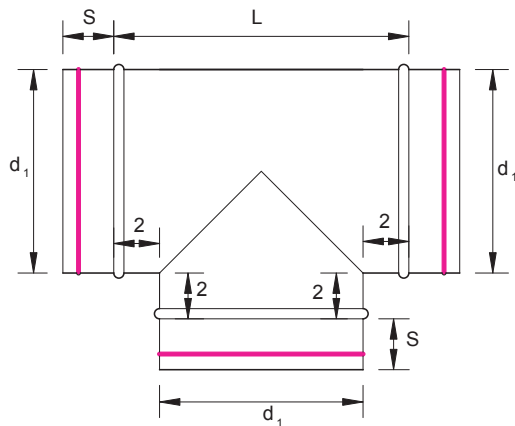
SAY

Reducing Y-Branch



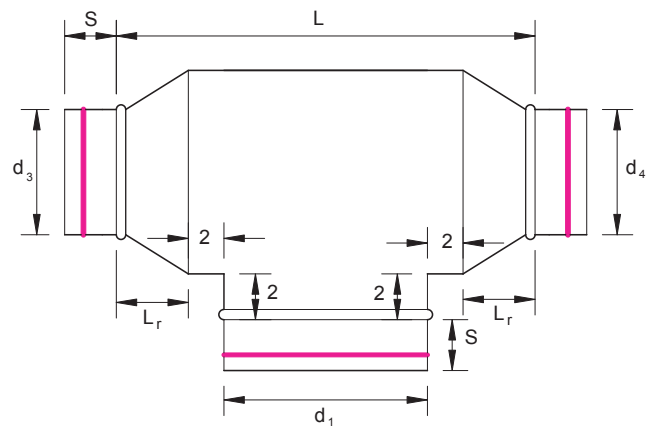
SAYR

Bullhead Tee



SABH

Reducing Bullhead Tee



SABH-R

## **SPIRAmir™ O-Ring Specification**

**SPIRAmir™** O-Ring gasket is made from EPDM blend sponge rubber cord and has the following specifications:

- Excellent resistance to ozone, weathering, heat aging, UV exposures, compression set, water absorption and degradation by water aqueous systems and non-petroleum fluids
- Excellent flexibility at both low and high temperatures
- Excellent resistance to Acids & Alkalis
- Good resistance to fuels and oils

### **SPIRAmir™ Flame Spread and Smoke developed Indexes**

**SPIRAmir™** Self-Sealing Spiral Duct System has been tested by an accredited testing laboratory in accordance with UL testing standards. The results indicate that when testing in accordance with UL 723 and NFPA 255 standards, **SPIRAmir™** Spiral Duct System produces a flame spread index of zero (0) and smoke developed index of zero (0).