TITLE
TRUST
MANUFACTURE

catalog

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www.titletrustmanufacture.com

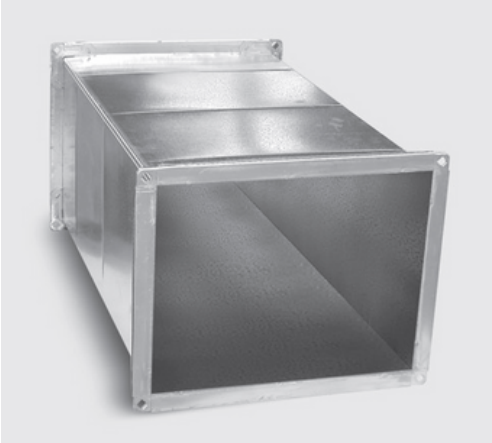
DuctWork Rectangular

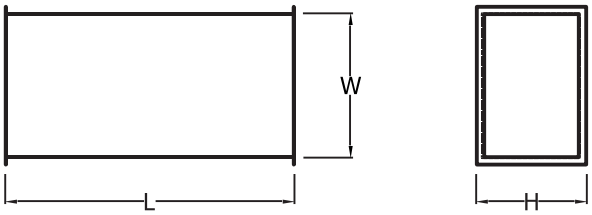
Title trust manufacture

Sales@titletrustmanufacture.com

Air Distribution Products
Straight Duct

Straight Duct





Pittsburgh lock

Description:

Single Wall duct & fittings are factory fabricated and supplied with factory applied sealant on all longitudinal joints.

All series construction is conformed with 2005 SMACNA HVAC Duct Construction standards.

Construction:

are wrap beaded (except Ga.18 ducts, and 4" W.G. or above) with equal spacing of 305mm
TIT is offered with standard length of 1200 mm (4 feet) *
*Length can vary depends on the Transverse connection.

Material:

is supplied with various materials Galvanized steel G90 and G115 in accordance with ASTM A653, Black Steel in accordance with ASTM A366 supplied with primer paint, Stainless steel 304 and 316 in accordance with ASTM A240 and Aluminum Alloy 3003-H14 in accordance with ASTM B209.

Transverse Joints:

offered with various types of SMACNA approved Connections ("S" & Drive, SLIDE ON FLANGE, Self-Flange, Slotted Angle Bars).

External and Internal Reinforcements:

External and Internal Reinforcements are added based on agreed schedule with the accordance to 2005 SMACNA HVAC Duct Construction standards.

Finishing:

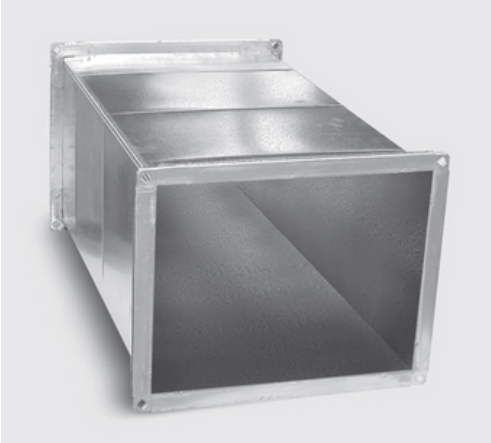
Duct openings can be covered based on request.
Duct is offered with various paints.

DUCT DIMESNSION mm

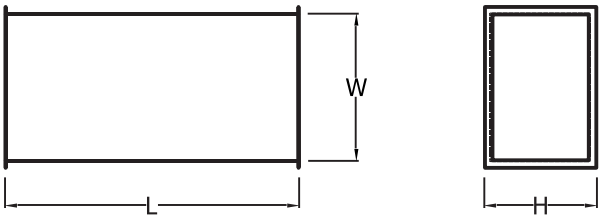
DUCT DIMESION mm	Number
0- 200	0
250- 400	1
450- 600	2
650- 800	3
850- 1000	4
1050- 1200	5
1250- 1400	6
1450- 1600	7
1650- 1800	8
1850- 2000	9
2050- 2200	10

Air Distribution Products
Liner Duct

Straight Duct



Straight Duct (with Liner)



Liner Specifications

All Series are available with the different liner type, fastened to the duct according to SMACNA HVAC Duct Construction standards 2005

•Quiet Liner Board with Density 24, 32, 48 and 60 KG/M3 With various thicknesses are available from15 to 50mm.

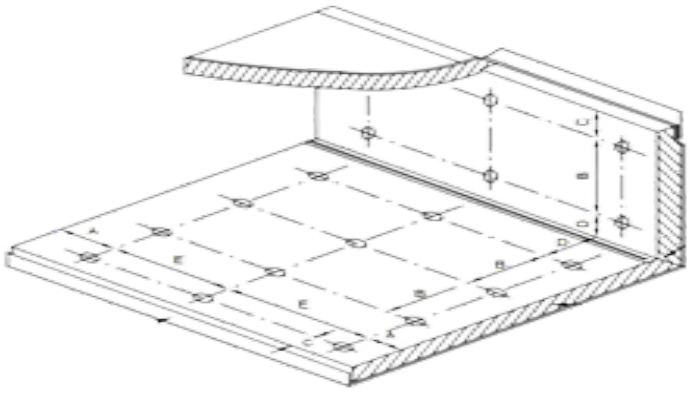
•Rubber Foam
•Rubber Foam Fire rated
With various thicknesses are available from 9 to 50mm.

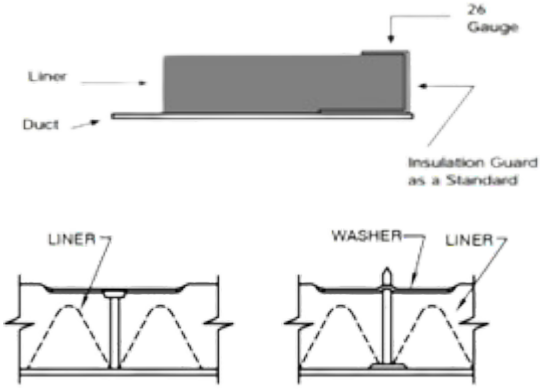
Other liner materials are available upon request.

Liner Guard

L Profile or C Profile of the same material is covering the Start and the End of the Liner to provide more durability

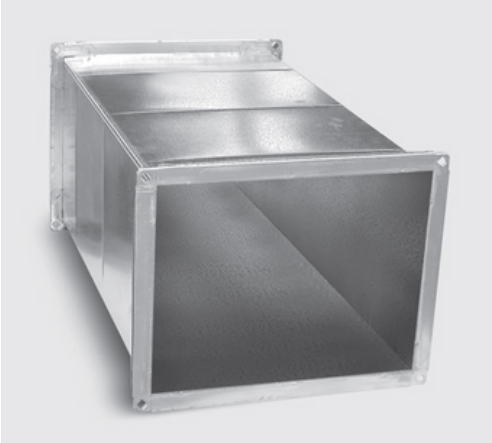
Dimensions



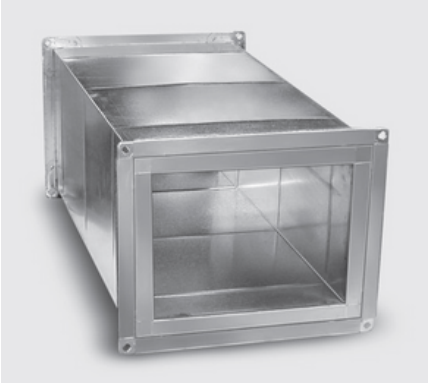


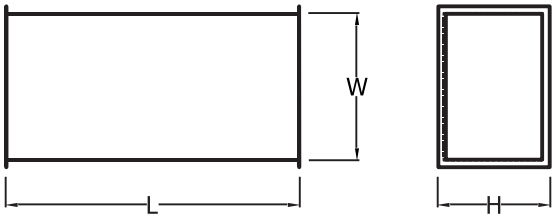
Air Distribution Products
Double Wall

Straight Duct



Double wall





Double Wall Description

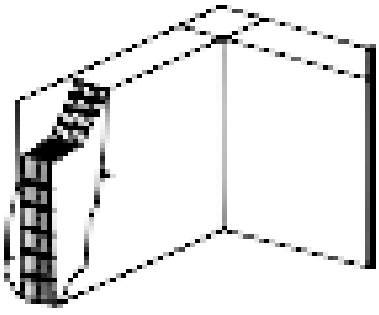
All Series are available with the different liner type, fastened to the duct according to SMACNA HVAC Duct Construction standards 2005

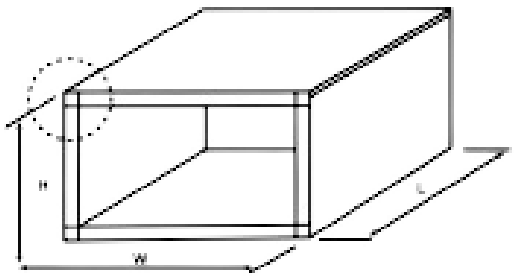
•double wall rectangular duct and fittings provide exceptional thermal control in air distribution systems and is ideal for external and roof ducts applications.

• This double wall, insulated ductwork is constructed of solid metal outer shell and solid inner shell with a layer of insulation sandwiched in-between.

•Our standard construction consists of: galvanized steel (solid) inner and outer shell, several types of insulation material, densities and thicknesses are available. The outer and inner shell can be supplied in galvanized steel, black steel, aluminum, stainless steel and painted steel

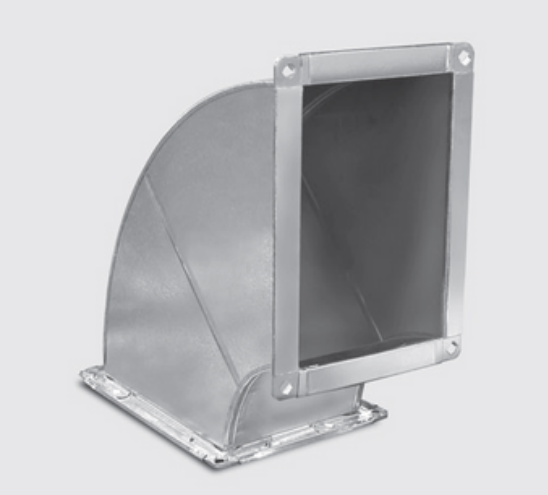
Dimensions





Air Distribution Products
Elbow

Elbow WITHOUT SPLITTER VAN



Description

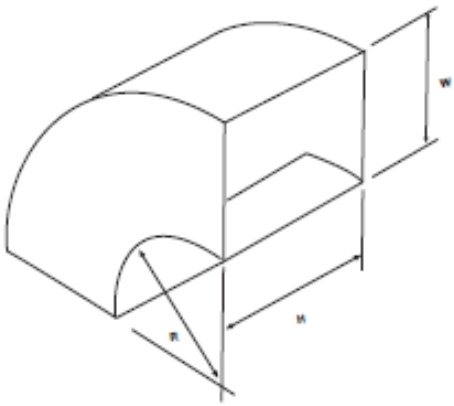
RADIUS ELBOW WITHOUT SPLITTER VANE
WIDTH (W-mm)
HEIGHT (H-mm)
RADIUS (R-mm)
"R°=W
0-19 to 900

Ordering

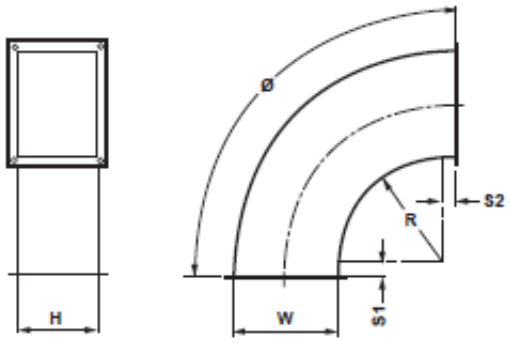
Product code: SD aaa bbb ccc

Type
W mm
H mm
R mm

Dimensions



Ø=1° to 90°
R=W



Air Distribution Products
Elbow

Elbow WITH SPLITTER VAN

Description

Radius elbow with splitter vane throat radius R is less than w (width) whith (w-mm)
height (h-rm)
radius (r-mm)

Ordering

Product code: SD aaa bbb ccc

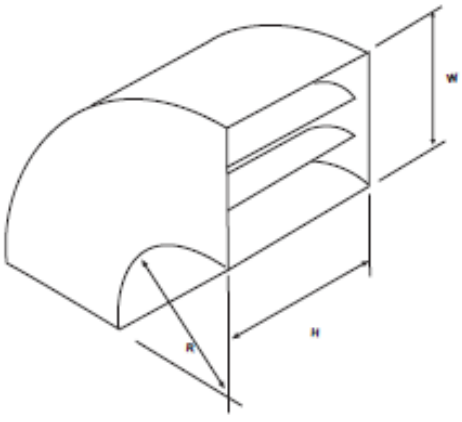
Type

W mm

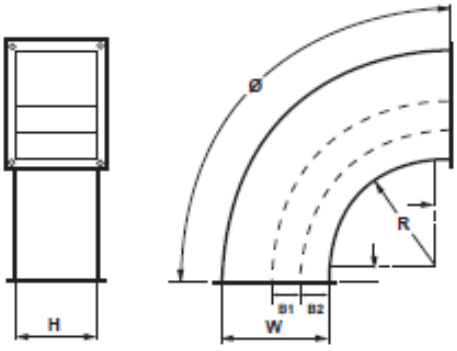
H mm

R mm

Dimensions

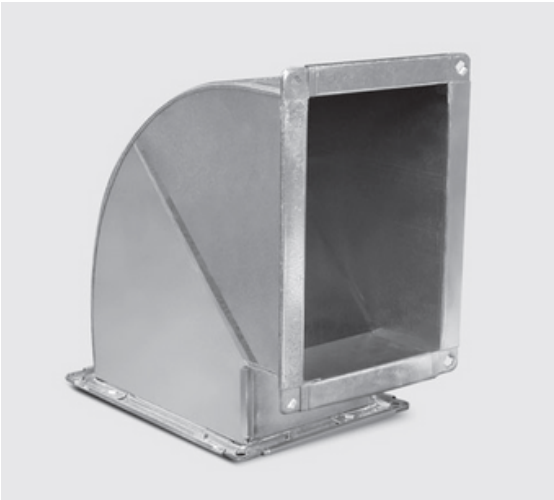


Ø=1° to 90°
R<W



Air Distribution Products
Elbow

Radius elbow with square throat



Description

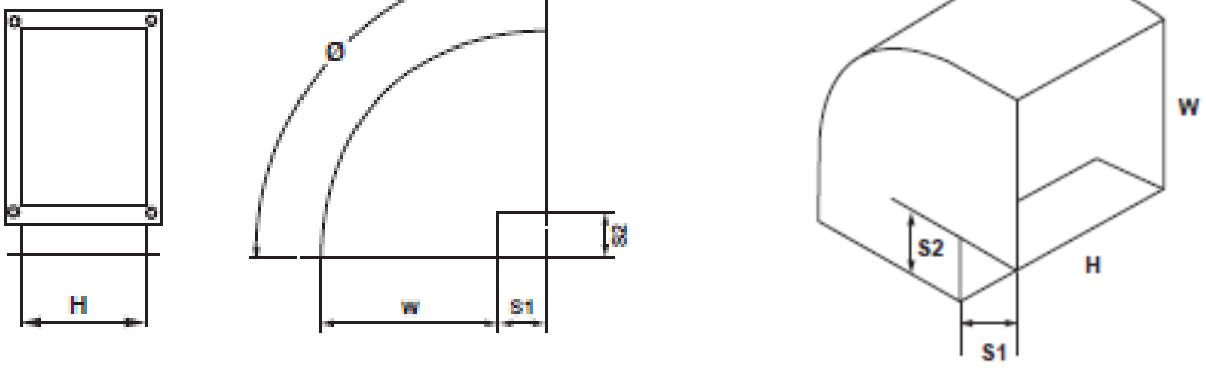
2ADIUS ELBOW WITH SQUARE THROAT 2%3
W= width mm
H= height mm
0= 1" to 90°
S1,S2>100 mm

Ordering

Product code: SD aaa bbb ccc

Type
W mm
H mm
R mm

Dimensions



Air Distribution Products
Elbow

Mitered Elbow with Turning Vanes

Description

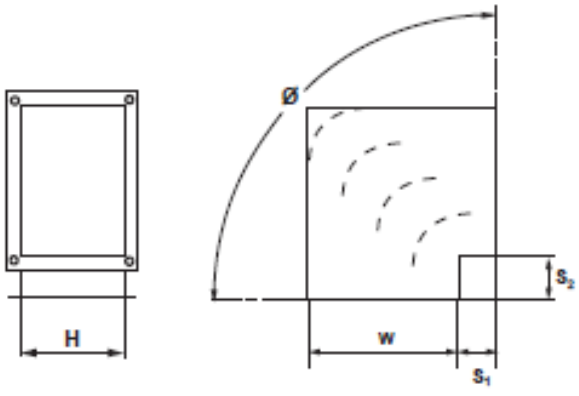
Mitered Elbow with Tuming Vanes EMV
Width (W1-mm)
Height (H1-mm)
Radius (R-mm)
51,52 ≥ 100mm

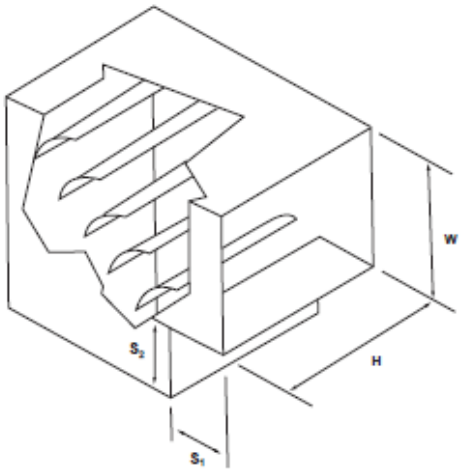
Ordering

Product code: **EMV aaa bbb ccc**

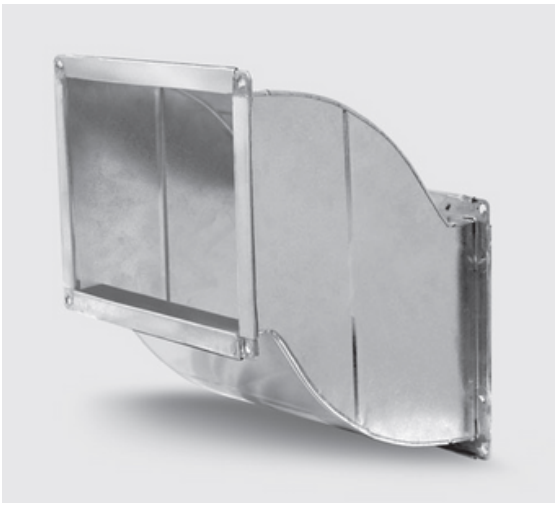
Type
W mm
H mm
S1,S2 mm

Dimensions





OFFSET



Description

OFFS-OFFSET
Width (W-mm)
Height (H-mm)
Offset (0-mm)
Length (L-mm)
L=2w

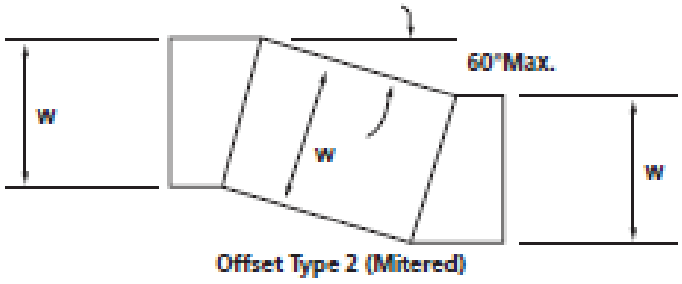
- Angled Offset has been designed to bypass obstacles along the ductwork route while changing the connected duct location.

Ordering

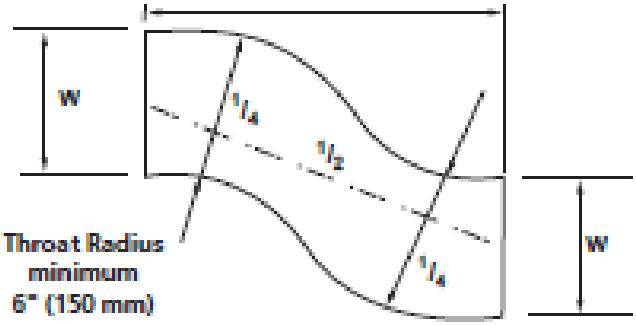
Product code: OFFS aaa bbb ccc ddd

- Type
- W mm
- H mm
- L mm
- O mm

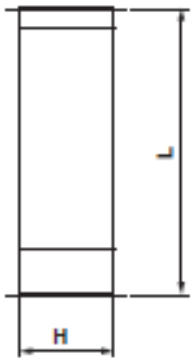
Dimensions

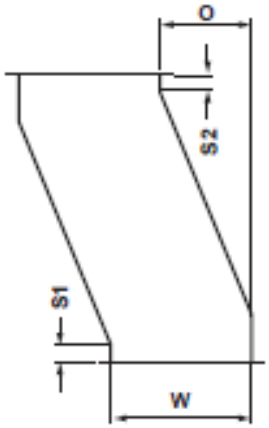


Offset Type 2 (Mitered)



Offset Type 3
(Radiussed or ogee)





Air Distribution Products
REDUCERS

REDUCERS

Description

Concentric Reducer REDC
Eccentric Reducer REDE
Width (W-mm)
Height. (H-mm)
width2 (W2-mm)
Height2 (H2-mm)
Length (L-mm)
51,52 mm

- Duct Reducer is used to connect two rectangular air distribution channels with different centers and cross sections

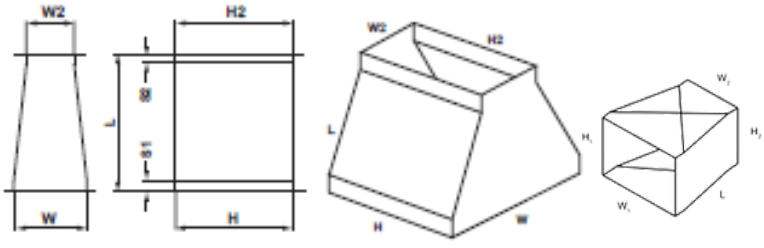
Ordering

Product code: REDC aaa bbb ccc ddd eee fff

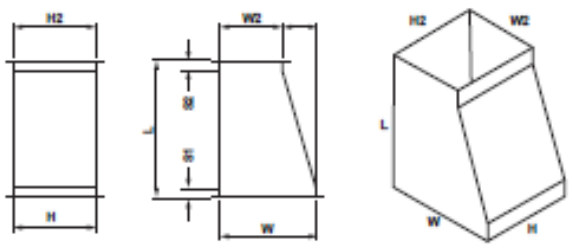
- Type
- Wmm
- Hmm
- W2 mm
- H2 mm
- L mm
- S_1 mm

Dimensions

Concentric Reducer



Eccentric Reducer



REDUCERS

Description

Branch Connection Take Off 45
Width (W-mm)
Height. (H-mm)
Length (L-mm)

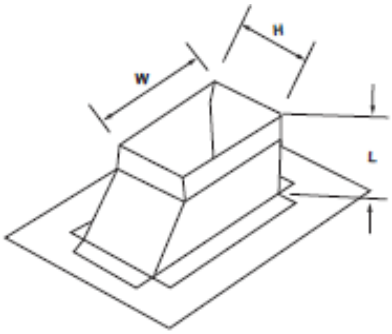
- The takeoff 90 is used for branch connection to rectangular duct.
- The takeoff 45 is used for branch connection to rectangular duct.

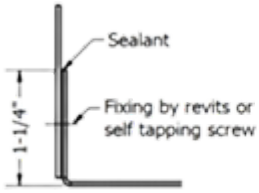
Ordering

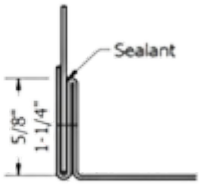
Product code: TOF aaa bbb ccc

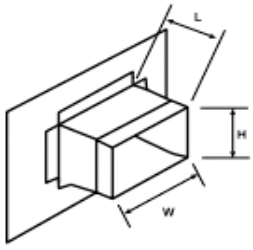
Type
W mm
H mm
L mm

Dimensions

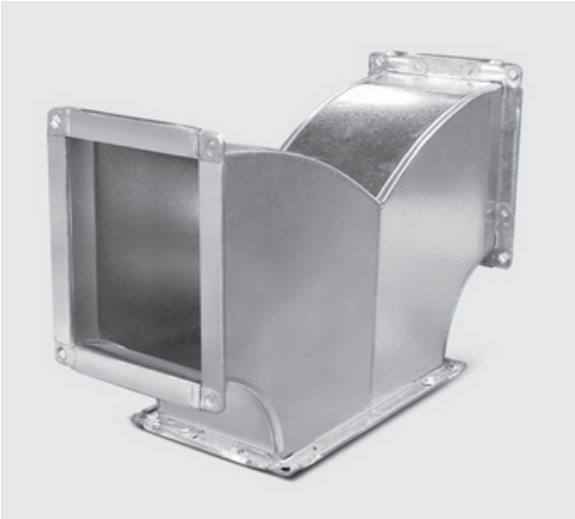








Y-Branch



Description

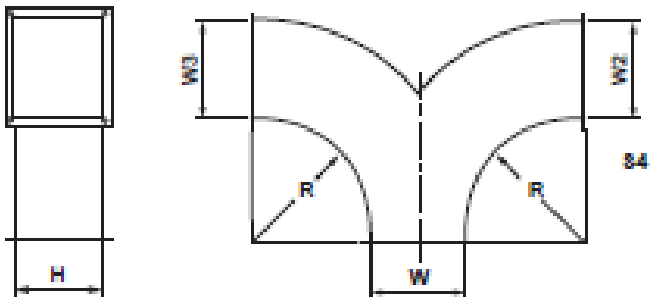
Y-Branch fitting allows the main duct to split into two duct branches with equal or different cross sections

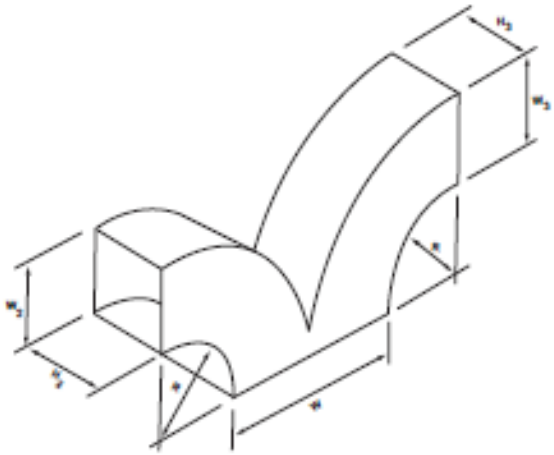
Ordering

Product code: Y-Branch aaa bbb ccc

- Type
- W mm
- H mm
- R mm

Dimensions





TEE

Description

TEE enables to design a ventilation system with 90 degrees tap.

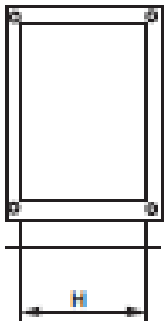
S1, S2, S3, S4 >100 MM
W=W2=W3

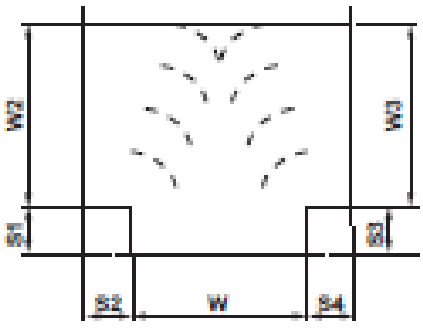
Ordering

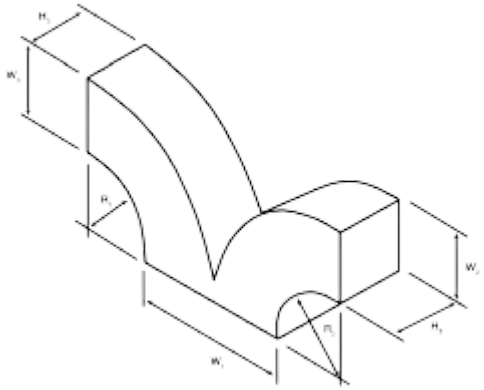
Product code: TEE aaa bbb ccc

- Type
- W mm
- H mm
- S1,S2 mm

Dimensions







Air Distribution Products
Transition, Rectangular to round

Transition

Description

- Concentric Rectangular to Round connects a rectangular air distribution channel to another circular channel having the same center
- Eccentric Rectangular to Round connects a rectangular air distribution channel to another circular channel with two different centers.
- To maintain duct elevation, Rectangular to Round Flat used to connect a rectangular air distribution duct to another circular duct with two different elevations.

Ordering

Product code: RTR aaa bbb ccc

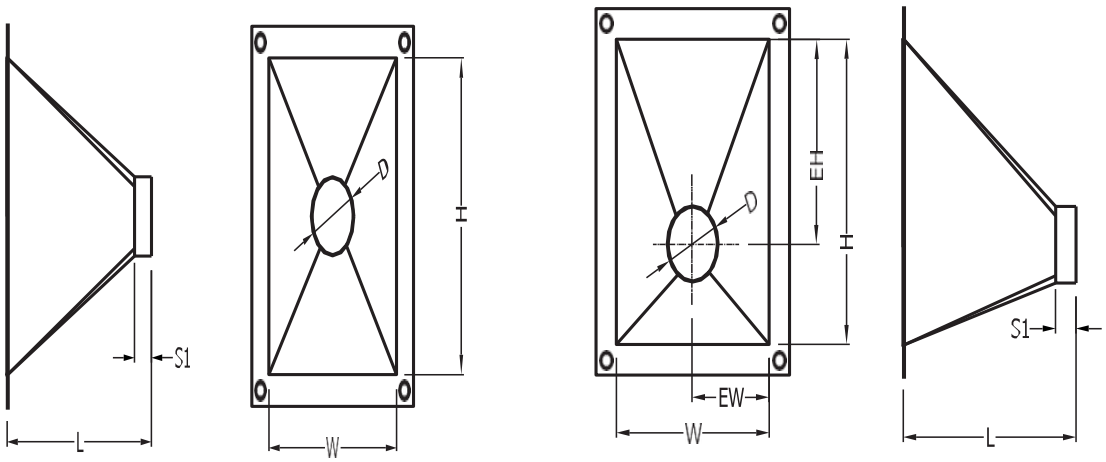
Type

W mm

H mm

Ø mm

Dimensions



Air Distribution Products
Turning vanes

Turning vanes

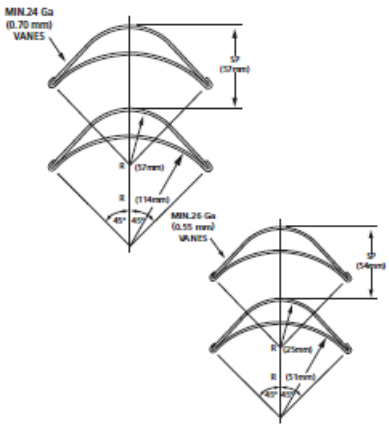
Description

DUCT SIZE	Double Vane Schedule			
	Type	R	Sp	Ga
0-1219	Small	51	54	26 (0.55mm)
1219 Up	Large	114	83	24 (0.7mm)
* 1500 Up Segmented				

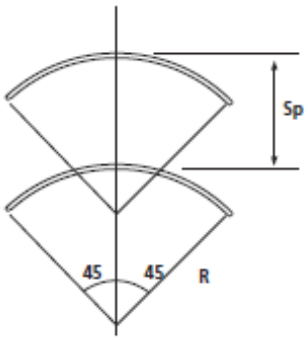
DUCT SIZE	Single Vane Schedule			
	Type	R	Sp	Ga
0-914	Small	50	38	24 (0.7mm)
914 Up	Large	114	83	22 (0.85mm)
* 1500 Up Segmented				

Dimensions

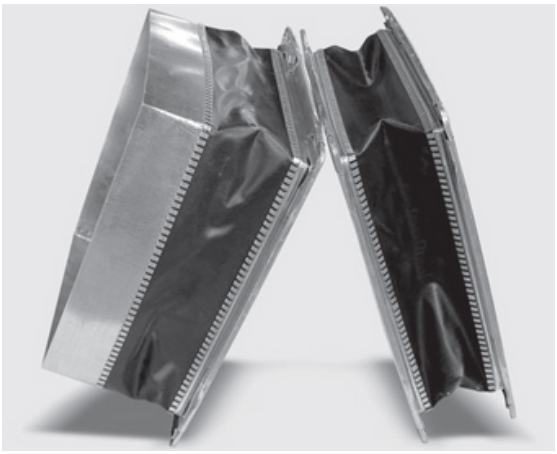
Double Vane



Single Vane



Flexible duct



Description

&LEXIBLE DUCT CONNECTOR ELIMINATES DUCT SYSTEM NOISES AND VIBRATIONS.
)N ORDER TO ISOLATE VIBRATIONS CAUSED BY AIR HANDLING UNITS, FANS OR OTHER EQUIPMENT CONNECTED TO
AIR DUCT, IT IS HIGHLY RECOM- MENDED TO INSTALL A mEXIBLE DUCT CONNECTOR JOINT BETWEEN THE
OUTLET OF THESE DEVICES AND THE AIR DUCT.

Ordering

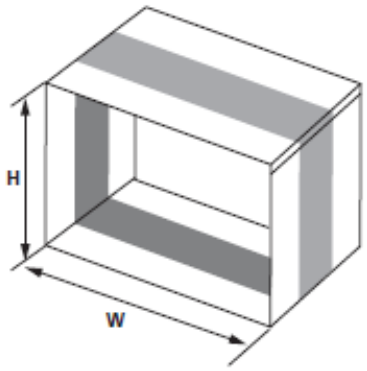
Product code: FDCJ aaa bbb

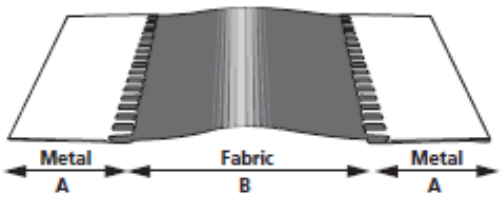
Type

W mm

H mm

Dimensions





Guard Lock Seam

AIR EXTRACTOR

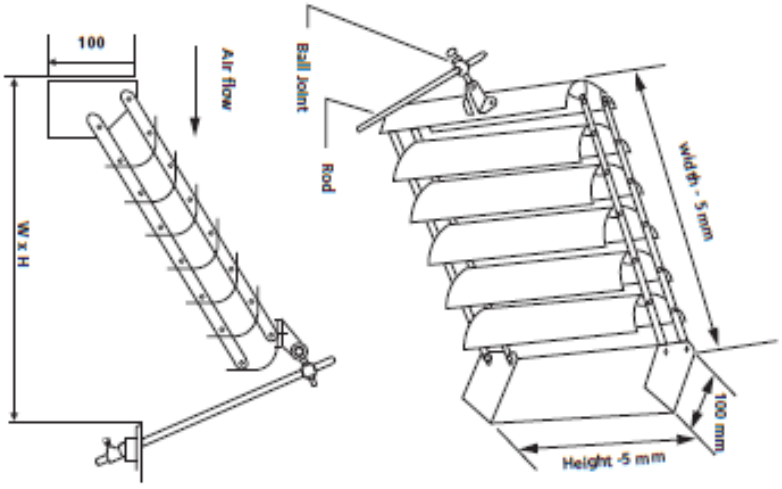
Description

AIR extractor is using for extract and control air flow into takeoffs and minimizing air turning pressure losses.
AIR extractor can be installed at main or branch duct

Ordering
Product code:

AEX	aaa	bbb
Type		
	W mm	
		H mm

Dimensions



Air Distribution Products
PLENUM BOX

LINEAR PLENUM BOX

Description

Linear for slot diffuser-side entry is designed to ensure equal distribution of air across the supply diffusers.

The plenum box is supplied with acoustic lining to reduce
noise generated inside the duct due to airflow turbulence,
during supply, before reaching the diffuser.

Ordering

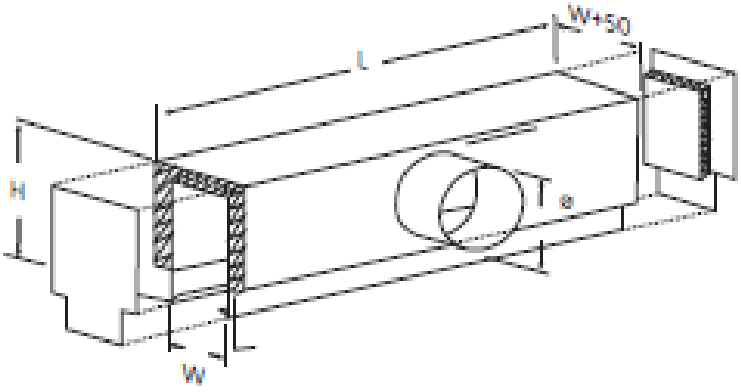
Product code: LPB aaa bbb

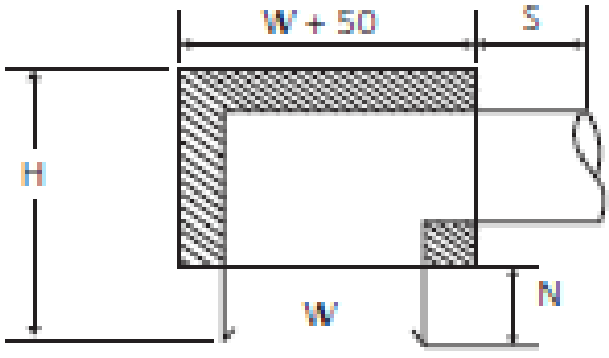
Type

H mm

W mm

Dimensions





Air Distribution Products
PLENUM BOX

PLENUM BOX

Description

Diffuser box is designed to allow flexibility on site.
The plenum box is supplied with acoustic lining to reduce
noise generated inside the duct due to airflow turbulence,
during supply, before reaching the diffuser.

Ordering

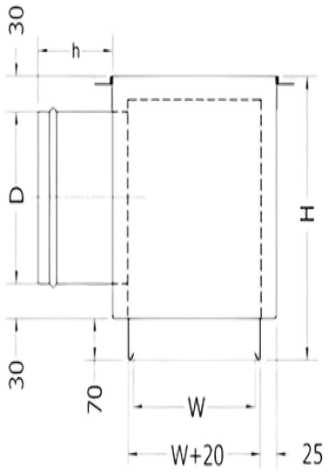
Product code: LPB aaa bbb

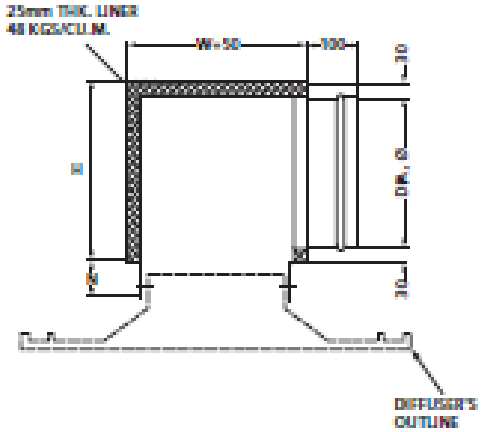
Type

H mm

W mm

Dimensions





DuctWork Construction Schedule

Title trust manufacture

Sales@titletrustmanufacture.com

Galvanized Steel - Ductwork Construction Schedule 2"W.G-Slide on Flange per SMACNA 1995 2nd ed.

Maximum Duct Dimensions (mm)	US Gauge	Longitudinal Seam	Intermediate Reinforcement	Transverse Connection
0-508	26	double corner seam	Not Required	slide on flange
509-1067	24	double corner seam	Not Required	slide on flange
1068-1219	22	double corner seam	Not Required	slide on flange
1220-1372	20	double corner seam	Not Required	slide on flange
1373-1524	18	Pittsburgh Lock Seam	Not Required	slide on flange
1525-2134	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
2135-2438	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
2439-2743	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm
2744-3048	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm

Galvanized Steel – Ductwork Construction Schedule 2" W.G. as per SMACNA 1995 2nd ed.

Maximum Duct Dimensions (mm)	US Gauge	Longitudinal Seam	Intermediate Reinforcement	Transverse Connection
0-254	26	double corner seam	Not Required	GI. Drive Slip (GA 24)"
255-457	26	double corner seam	Not Required	Reinforcment S slip with 25x25x16GA GI. Drive Slip (GA 24)"
458-610	24	double corner seam	Not Required	1" Standing "S" Slip with 25x25x16 Ga. Drive Slip (24 Ga.)
611-915	24	double corner seam	Not Required	slide on flange
916-1219	22	double corner seam	Not Required	slide on flange
1220-1272	20	double corner seam	Not Required	slide on flange
1373-1524	18	Pittsburgh Lock Seam	Not Required	slide on flange
1525-2134	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
2135-2438	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
2439-2743	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm
2744-3048	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm

Galvanized Steel – Ductwork Construction Schedule 2" W.G. as per SMACNA 1995 2nd ed.

Maximum Duct Dimensions (mm)	US Gauge	Longitudinal Seam	Intermediate Reinforcement	Transverse Connection
0-254	26	double corner seam	Not Required	Hemmed S Slip GI. drive slip (GA 24)"
255-457	26	double corner seam	Not Required	Reinforcment S slip with 25x25x16GA GI. Drive Slip (GA 24)"
458-711	24	double corner seam	Not Required	1" Standing "S" Slip with 25x25x16 Ga. Drive Slip (24 Ga.)
712-915	24	double corner seam	Not Required	1" Standing "S" Slip with 25x25x16 Ga. Drive Slip (24 Ga.)
716-1219	22	double corner seam	Not Required	slide on flange
1220-1372	20	double corner seam	Not Required	slide on flange
1373-1524	18	Pittsburgh Lock Seam	Not Required	slide on flange
1525-2134	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
2135-2438	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
2439-2743	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm
2744-3048	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm

Air Distribution Products
Duct Construction

Galvanized Steel – Ductwork Construction Schedule 2" W.G. as per SMACNA 1995 2nd ed.

Maximum Duct Dimensions (mm)	US Gauge	Longitudinal Seam	Intermediate Reinforcement	Transverse Connection
0-254	26	double corner seam	Not Required	Hemmed S Slip GI. drive slip (GA 24)"
255-457	26	double corner seam	Not Required	Reinforcment S slip with 25x25x16GA GI. Drive Slip (GA 24)"
458-711	24	double corner seam	Not Required	1" Standing "S" Slip with 25x25x16 Ga. Drive Slip (24 Ga.)
712-915	24	double corner seam	Not Required	1" Standing "S" Slip with 25x25x16 Ga. Drive Slip (24 Ga.)
716-1219	22	double corner seam	Not Required	GI. Companion Angle 30x30x3 mm
1220-1372	20	double corner seam	Not Required	GI. Companion Angle 40x40x3 mm
1373-1524	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 40x40x3 mm
1525-2134	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
2135-2438	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
2439-2743	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm
2744-3048	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm

Galvanized Steel – Ductwork Construction Schedule 2" W.G. as per SMACNA 1995 2nd ed.

Maximum Duct Dimensions (mm)	US Gauge	Longitudinal Seam	Intermediate Reinforcement	Transverse Connection
0-254	26	double corner seam	Not Required	Hemmed S Slip GI. drive slip (GA 24)"
255-457	26	double corner seam	Not Required	Reinforcment S slip with 25x25x16GA GI. Drive Slip (GA 24)"
458-711	24	double corner seam	Not Required	GI. Companion Angle 25x25x3 mm
712-915	24	double corner seam	Not Required	GI. Companion Angle 25x25x3 mm
716-1219	22	double corner seam	Not Required	GI. Companion Angle 30x30x3 mm
1220-1372	20	double corner seam	Not Required	GI. Companion Angle 40x40x3 mm
1373-1524	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 40x40x3 mm
1525-2134	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
2135-2438	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
2439-2743	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm
2744-3048	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm

GalvanizedSteel–Ductwork Construction Schedule 3" W.G. as per SMACNA 1995 2nd ed.

Maximum Duct Dimensions (mm)	US Gauge	Longitudinal Seam	Intermediate Reinforcement	Transverse Connection
0-457	24	double corner seam	Not Required	Standing S Slip (GA 22)" GI. drive slip (GA 24)"
458-559	24	double corner seam	Not Required	Standing S Slip (GA 22)" GI. drive slip (GA 24)"
560-762	24	double corner seam	Not Required	slide on flange
763-915	22	double corner seam	Not Required	slide on flange
916-1067	22	double corner seam	Not Required	slide on flange
1068-1219	20	double corner seam	Not Required	slide on flange
1220-1524	18	Pittsburgh Lock Seam	Not Required	GI. Companion Angle 50x50x5 mm
1525-2438	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm
2439-3048	18	Pittsburgh Lock Seam	50x50x5mm angle @ 600mm c-c	GI. Companion Angle 50x50x5 mm + tie rod

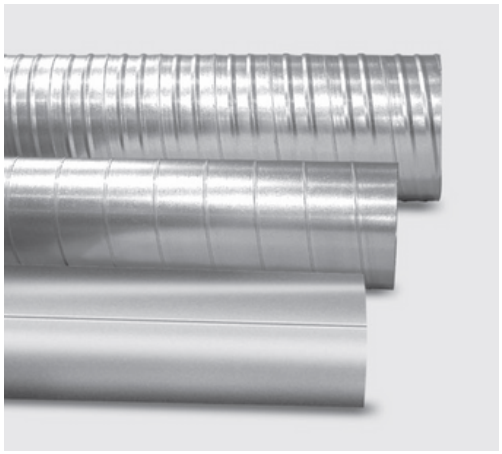
DuctWork

Spiral and Round

Title trust manufacture

Sales@titletrustmanufacture.com

SPIRAL DUCT



Description

SPIRAL LOCK SEAM DUCT IS CONSTRUCTED WITH AN INTERLOCKING HELICAL SEAM THAT RUNS THE LENGTH OF THE
DUCT. THE ,OCKSEAM IS FORMED ON THE OUTSIDE OF THE DUCT, PROVIDING A SMOOTH INTERIOR THAT RESULTS
IN MINIMAL FRICTION LOSS. THIS SEAM INCREASES THE DUCT'S RIGIDITY. SPIRAL LOCKSEAM DUCT CAN BE FABRICATED IN LENGTHS OF 6 METER OR GREATER . LONGITUDINAL SEAM DUCT (30,) IS AVAILABLE FOR APPLICATIONS THAT REQUIRE HEAVY GAUGES OR LARGE DIAMETERS. THE LONGITUDINAL SEAM OF THE DUCT IS SOLID WELDED.
MATERIAL: GALVANIZED, STAINLESS STEEL , ALUMINUM

Ordering

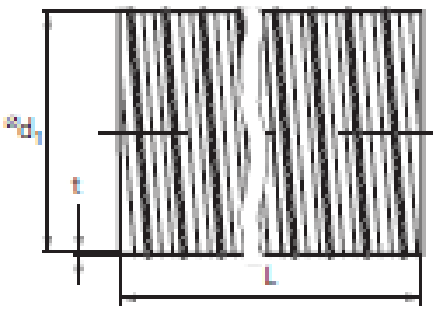
Product code: SP aaa bbb

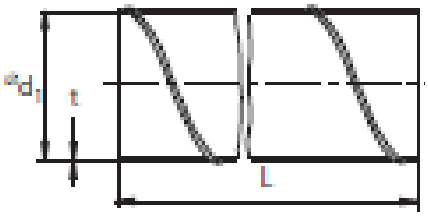
Type

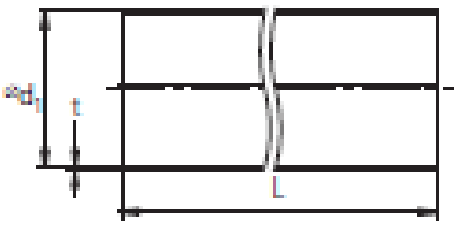
ϕd_1

L

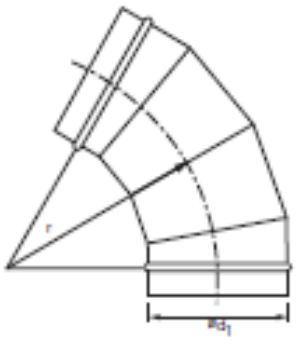
Dimensions







ELBOW 60



Dimensions

$r_m \approx 1.5 \times d_1$

$\varnothing d_1$ nom	r mm
200	300
250	375
315	470
355	530
400	600
450	675
500	750
560	840
630	945
700	1050
750	1125
800	1200
850	1275
900	1350
1000	1500
1100	1650
1250	1875

Ordering

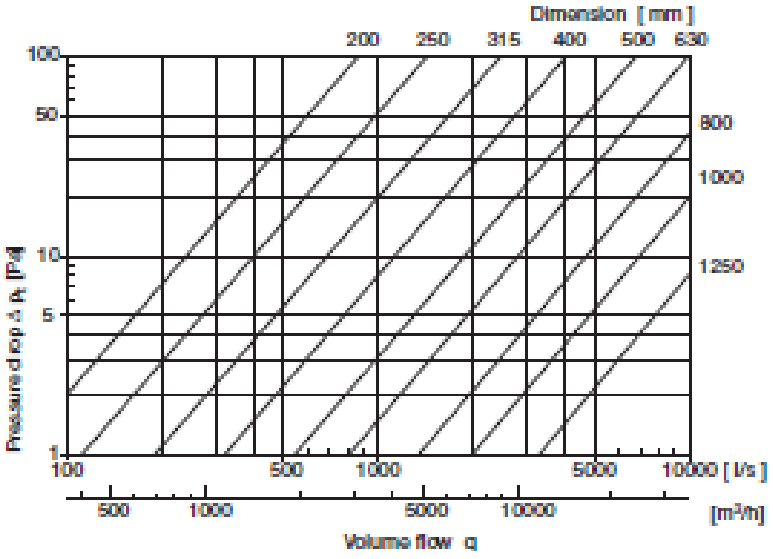
Product code: EL aaa 60°

Type

$\varnothing d_1$

°

TECHNICAL DATA



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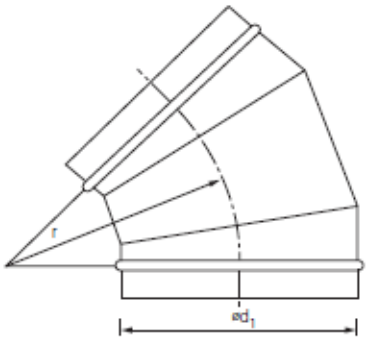


Dimensions

$r_m \approx 1.5 \times d_1$

ød1 nom	r mm
200	300
250	375
315	470
355	530
400	600
450	675
500	750
560	840
630	945
700	1050
750	1125
800	1200
850	1275
900	1350
1000	1500
1100	1650
1250	1875

Ordering

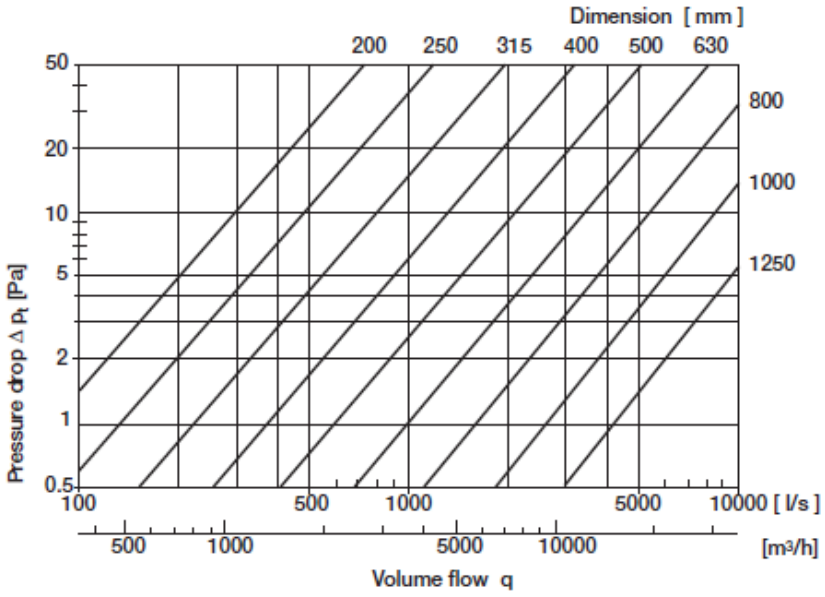
Product code: EL aaa 45°

Type

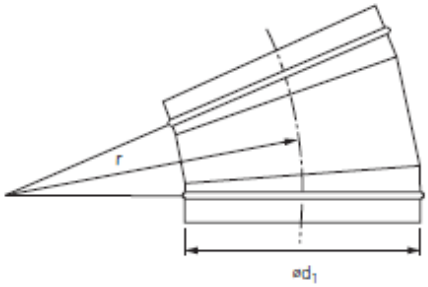
ød1

°

TECHNICAL DATA



ELBOW30



Dimensions

$r_m \approx 1.5 \times d_1$

ød1 nom	r mm
200	300
250	375
315	470
355	530
400	600
450	675
500	750
560	840
630	945
700	1050
750	1125
800	1200
850	1275
900	1350
1000	1500
1100	1650
1250	1875

Ordering

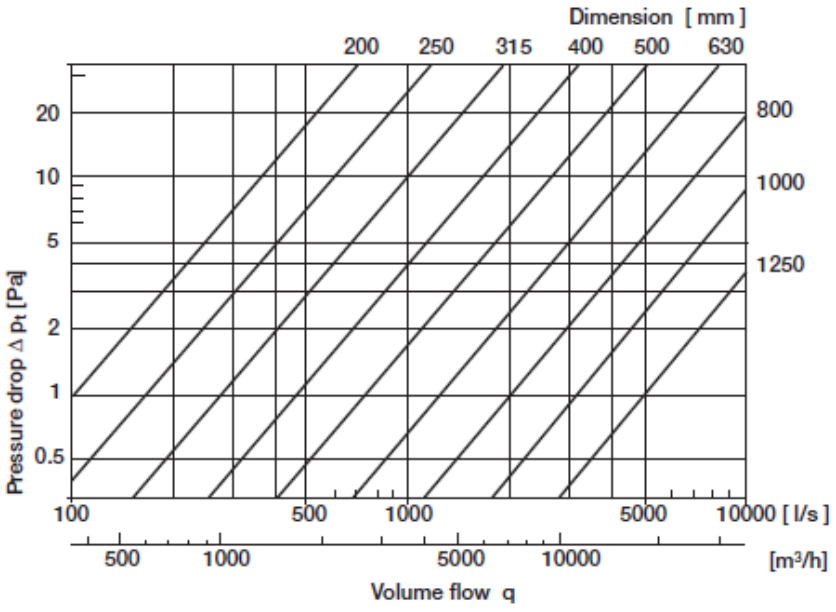
Product code: **EL aaa 30°**

Type

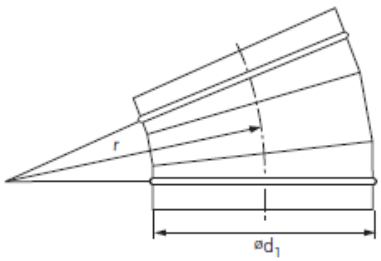
ød1

°

TECHNICAL DATA



ELBOW15



Dimensions

$r_m \approx 1.5 \times d_1$

ød1 nom	r mm
200	300
250	375
315	470
355	530
400	600
450	675
500	750
560	840
630	945
700	1050
750	1125
800	1200
850	1275
900	1350
1000	1500
1100	1650
1250	1875

Ordering

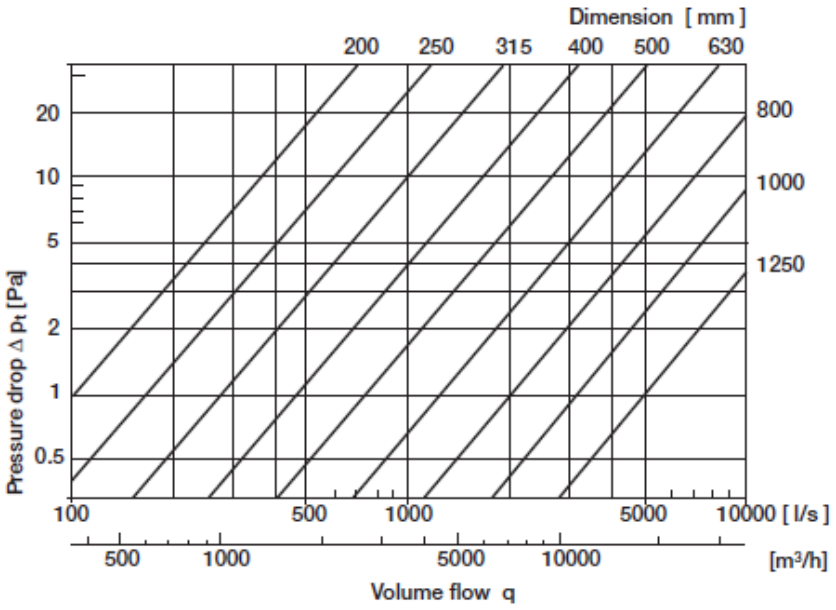
Product code: EL aaa 15°

Type

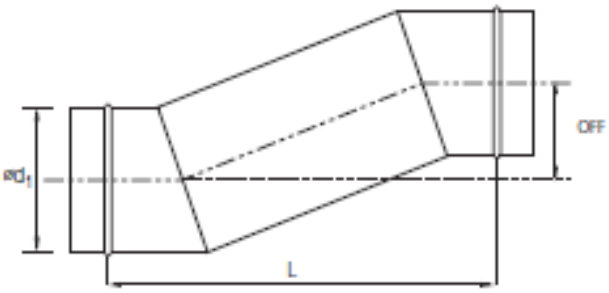
ød1

a

TECHNICAL DATA



OFFSET



Dimensions

ød mm
100
112
125
140
160
180
200
224
250
280
315
355
400
450
400
450
500
560
630
700
750
800
850
900
1000
1100
1250

Ordering

Product code: OFF aaa bbb ccc

Type

ød1

OFF

L

REDUCER

Description

Ordering

Product code: REC aaa bbb

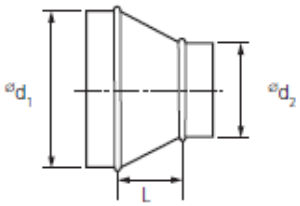
Type

ød1

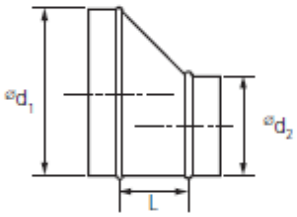
ød2

Dimensions

REC



REEC



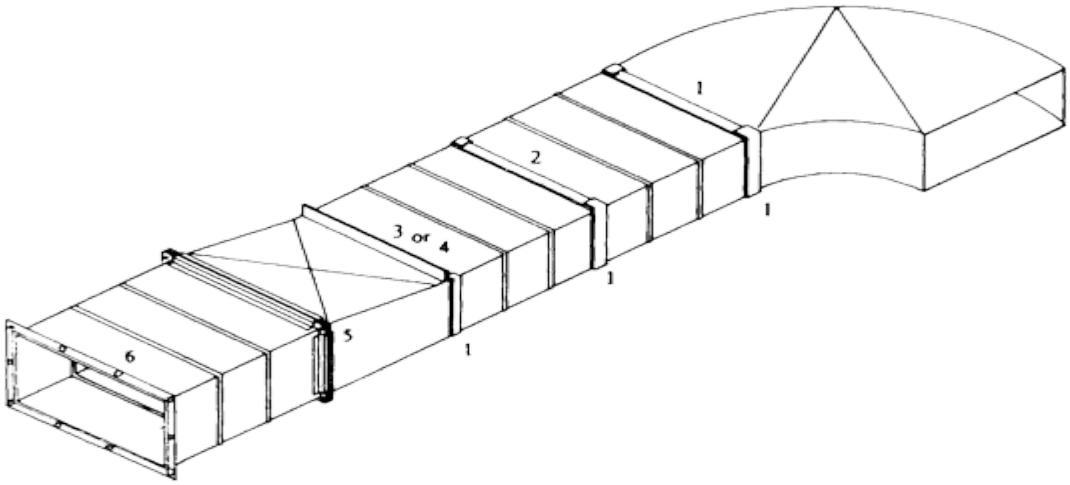
ød1 mm	ød2 mm	L mm
100	80	58
112	80	74
	100	47
125	80	92
	100	64
140	80	112
	100	85
	125	51
150	80	126
	100	99
	125	64
	140	44
160	80	140
	100	112
	125	78
	140	57
	150	44
180	80	167
	100	140
	125	106
	140	85
	150	71
	160	58
200	80	195
	100	167
	125	133
	140	112

Duct Construction

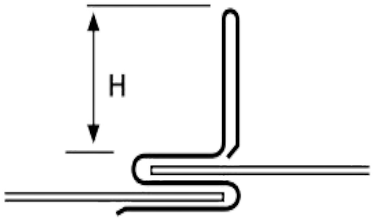
Title trust manufacture

Sales@titletrustmanufacture.com

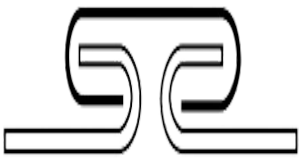
Air Distribution Products
Transverse Joints



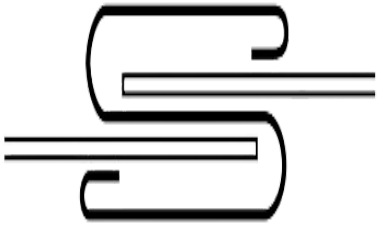
1- Standing S



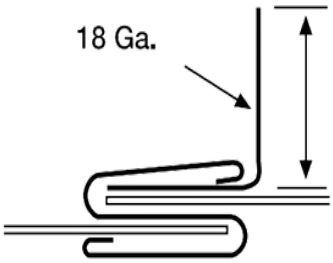
2- Drive slip



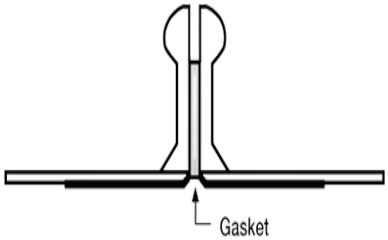
3- Hemmed “S” slip



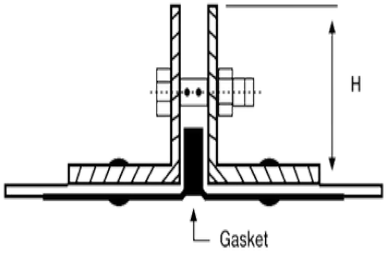
4- Reinforcement S



5- Slide On Flange



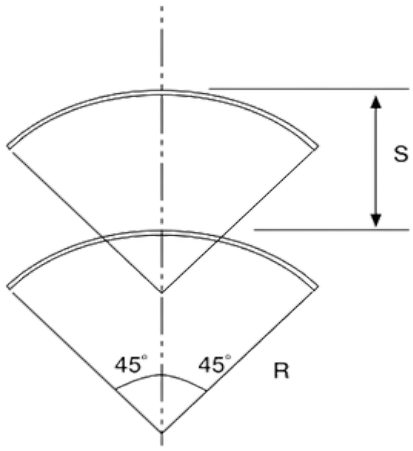
6- Angel Bars



Air Distribution Products
Turning vanes

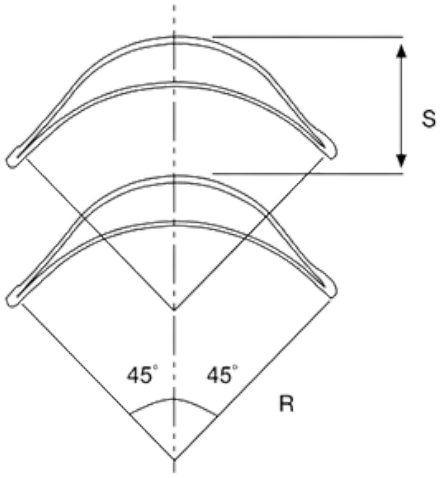
Single Vanes

Dimensions



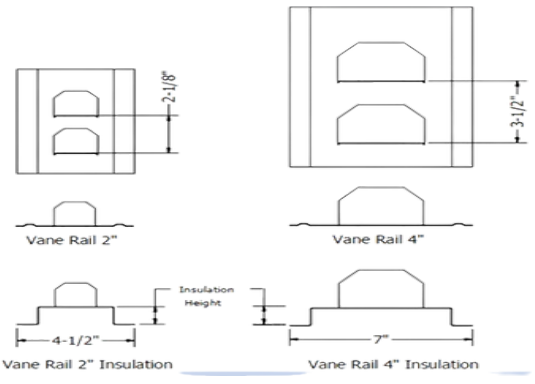
Double Vanes

Dimensions



Turning Vane

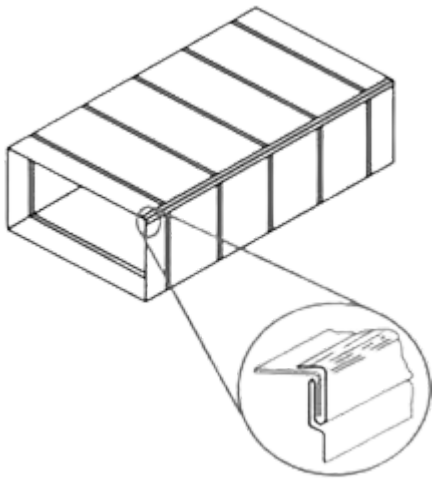
Dimensions



Air Distribution Products
SEAMS

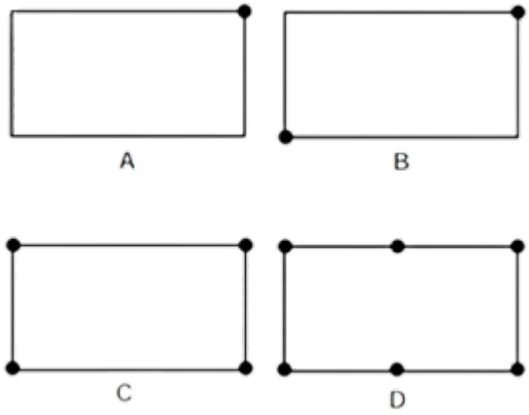
Pittsburgh lock

Seam type, Numbers and locations vary according to joint type, size and Pressure.



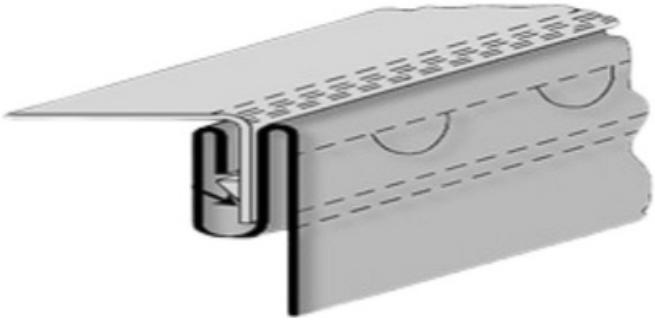
Seam Location

Seam type, Numbers and locations vary according to joint type, size and Pressure.



Small Pitts

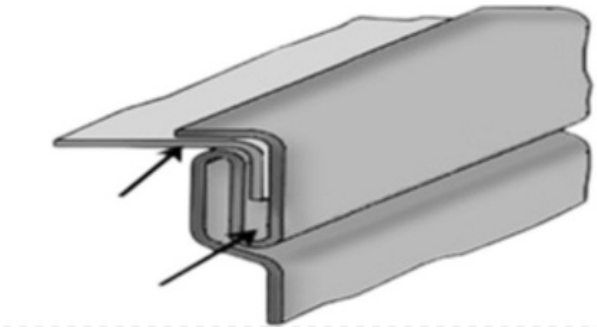
Suitable for Duct Thickness 0.55 to 1.0 mm



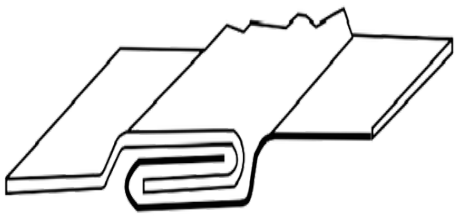
Seam Lock

Large Pitts

Suitable for Duct Thickness 1.0 to 1.5 mm



Grooved Seam



System connection

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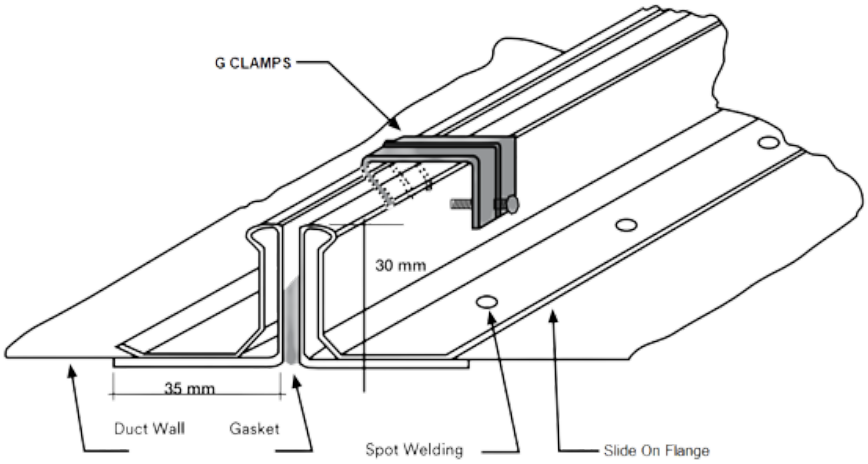
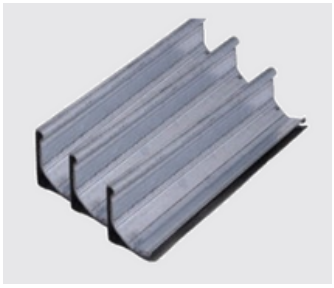
Air Distribution Products
Flange system

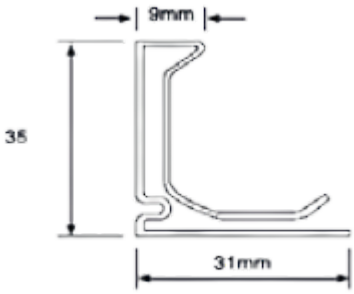
Flange joint system



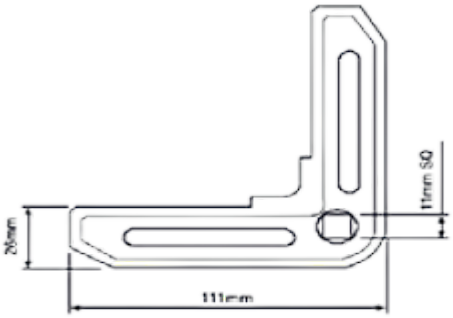
Slide of flange



Dimensions

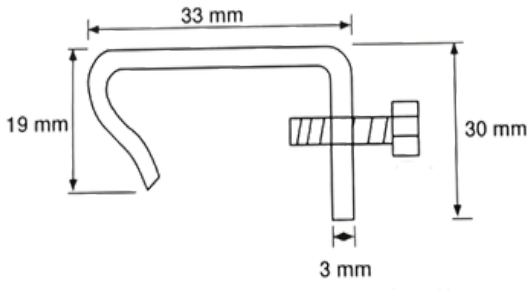


Corner

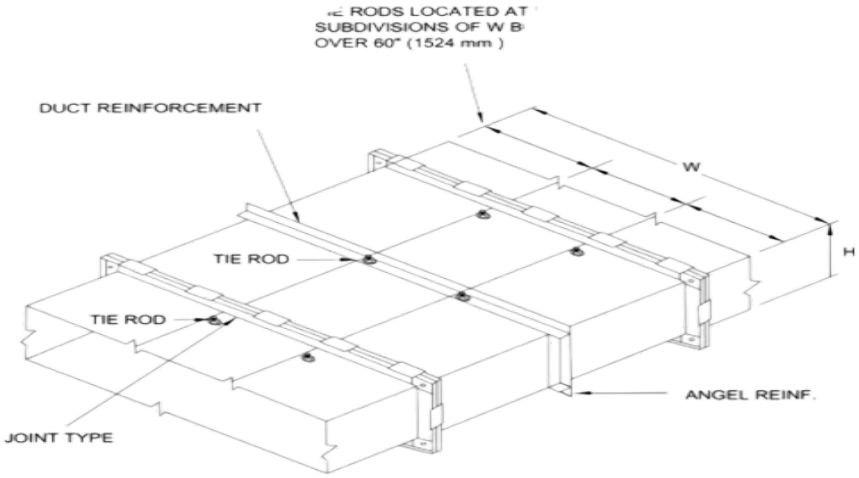


G Clamps

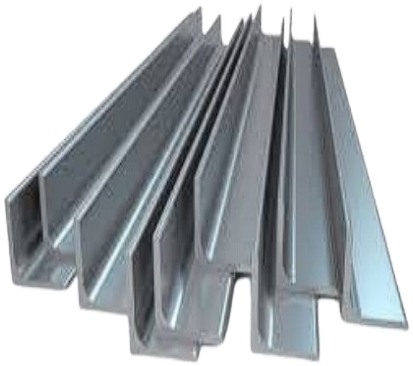
Dimensions



Reinforcement System



Angle Bar



Descriptions

supplied with various materials Galvanized
steel G90 accordance with ASTM A653 and Stainless steel 304 in accordance with ASTM A240.
supplied with oblong (cut) 30x12 equally spaced 150mm along the length.

supplied with different sizes:
- 25x25x2.5 and 3.0mm
- 30x30x3.0 mm
- 40x40x3.0 and 4.0mm
- 50x50x3.0, 4.0 and 5.0 mm
- 60x60x5.0 and 6.0 mm

*Available length is 3 meters

Thread Rod

Descriptions

supplied with various materials Galvanized steel G90 accordance with ASTM A653 and Stainless steel 304 in accordance with ASTM A240. supplied with different diameters (M6, M8, M10, M12, M16 and M20) *Available length is 3 meters

Accessories

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VCD Single Blade Flange Type

Description

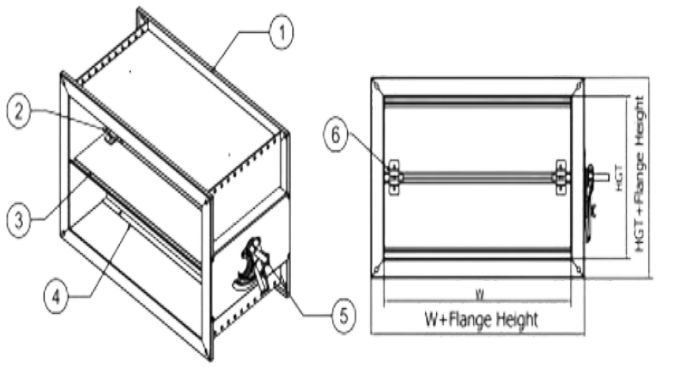
The single and multi-leaf volume control dampers are designed for quiet, efficient and reliable air volume control in air conditioning and ventilation systems.

The dampers are ruggedly built dampers with a casing of robust assembly, formed from channel frame for flanged connection to ductwork.

The blades are formed single skin and reinforced with longitudinal structurally designed triple vee shape.

Blade's action can be opposed blades or parallel blades.

Dimensions



1-Frame
2-Bearing
3-Blade
4-Blade Stop
5-Quadrant Bracket
6-Blade Strap

Construction

Frame: 160mm x 30mm x 1.5mm (16 Ga.) galvanized steel formed channel for flange connection.

Blades: 250mm max. width, 1.5mm (16 Ga.) galvanized steel

Finish: Mill Galvanized

Linkage: Side linkage concealed in frame for parallel and opposed blade operation.
Case Bearing: Brass bearing as standard. Sintered bronze oilite (optional).
Control Shaft: 12mm diameter zinc plated mild steel.

Minimum and Maximum Single Section Size: 100 x 100mm minimum and 1000 x 1800mm maximum. Please see "Air Performance" for the minimum and maximum sizes tested by AMCA.

Spin-In Damper

Description

Spin-in Damper is supplied with adjustable blade manually operated by a handle equipped with position indicator. It is suitable to control air volume before plenum box or at rectangular duct take-off.

Construction

Frame Thickness: offered with thicknesses Ga. 24 (0.7 mm) and Ga. 22 (0.8 mm) for galvanized steel, and with Ga.25 (0.6 mm) for Stainless stee

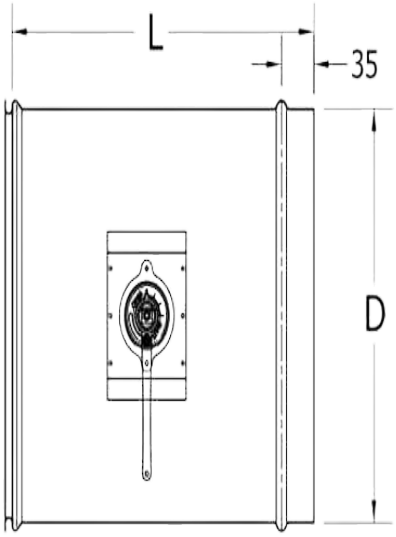
Blade Thickness: offered with various Blade thicknesses -from Ga. 22 (0.8 mm) and Ga. 20 (1.0 mm).

Actuation: offered with Quadrant, Extended Shaft and Automatic actuation

Case Bearing: offered with Plastic bushing to ensure minimum leakage.

Size: offered with different spigot sizes.

Dimensions



VCD Single Blade Flange Type

Description

Single and multi-leaf volume control dampers are designed for quiet, efficient and reliable air volume control in ventilation systems.
The dampers are ruggedly built dampers, with a spigot case of robust assembly formed circular spigot connection to ductworks.
The blades are formed single skin reinforced, with longitudinal structurally designed vee.
Blade action is standard as parallel but can be supplied as opposed blade action at no additional charge.
Blade edge seals and jamb (side) seals can be fitted for low leakage requirements.
Dampers can be manual with locking quadrant or motorized with a wide range of electrical actuators readily available.

Construction

Frame: 180mm x 1.5mm (16 ga.) galvanized steel, spigot type 380mm wide with circular spigot duct connection.

Blades: 250mm max. width, 1.5mm (16 ga.) galvanized steel.

Finish: Mill Galvanized

Linkage: Side linkage concealed in frame for parallel and opposed blade operation.

Face linkage available (optional).

Case Bearing: Brass bearing as standard. Sintered bronze oilite (optional).

Axles: 12mm diameter zinc plated mild steel.

Control Shaft: 12mm diameter zinc plated mild steel.

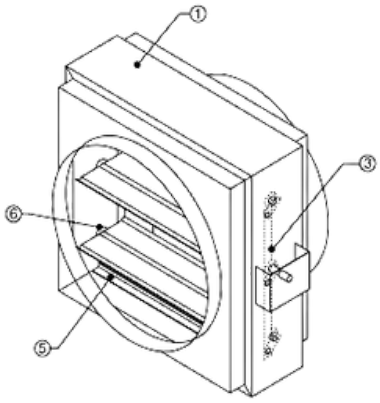
Minimum Size: From 100 mm diameter damper up to 200 mm diameter high are single blade construction.

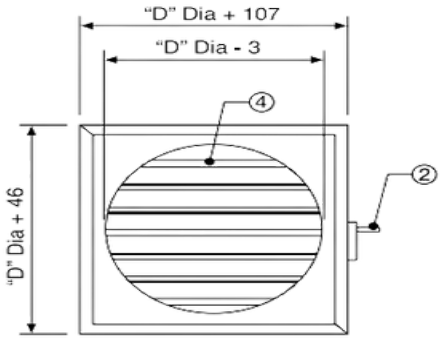
Maximum Size: 1000 mm diameter as single section.

Multiple section assembly with unlimited size, where each section operates independently.

Temperature Limits: -40 ˚C to + 100 ˚C.

Dimensions





CONTACT US

Our hub for air distribution and research excellence is strategically located in the heart of Saudi Arabia. we ensure practicality and proximity for our clients and projects.

Have questions or inquiries? We're here to help! Reach out to us for personalized assistance, product information, or to discuss your HVAC duct needs. Your satisfaction is our priority.

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