



AIR DISTRIBUTIONS

Products Series



STAR ASIA JSC

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INTERNATIONAL DIVISION:

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We sell our
excellence !



Our message

We are the leader in Vietnam

with 20 YEARS experiences

We have faith that our diligence, professionalism and creativity will create outstanding products and services. We believe that we not only sell quality products that meet national and international standards, but also do more - that is, sell our superiority.

NSCA's superiority lies not only in the high quality of its products, but also in its reasonable prices, creativity in every detail and, especially importantly, deep attention to customer needs.

In order for the common benefits that Starduct products bring not only to investors, but also to contractors and customers, we always listen carefully to customer opinions to capture and respond. the smallest needs in each project and accumulate them into intellectual property to serve them again.

Product Diagram



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graph TD; A[Product Diagram] --- B[Ducting system :]; A --- C[Fire and Safe product:]; A --- D[Electric system:]; A --- E[Support system:];
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Ducting system :

- Retangular duct and fittings (E/EI)
- Spiral duct and fittings
- Retangular and Round dampers
- Air grilles, diffuser and louvers
- VAV/CAV box

Fire and Safe product:

- Uninsulated fire damper (E)
- Insulated fire damper (EI)
- Fire host real cabinet

Electric system:

- Perforated cable tray
- Trunking
- Cable ladder
- Electric Cabinet

Support system:

- C chanel U21/41/62/82
- Perforated square tube
- Duct and cable tray support
- Hanger and other supports

International member of professional associations



Since 2019



Since 2018



Since 2018



Since 2023



Since 2023



Since 2018

Production line

LARGE PRODUCTION CAPACITY

Factory:

15.000 SQM
Production areas



Two mechanical factories with a total area of over 10,000m², are equipped with hundreds of modern equipment and machines organized into automatic and semi-automatic lines with 250 workers and technicians of Starduct capable of meeting the requirements of diverse product types as well as large output, ensuring quality and progress for projects, combined with constantly improving labor productivity helps Starduct products become increasingly expensive reasonable.

>100

Auto line and other machines



20 YEARS Experience



HISTORY OF DEVELOPMENT



AIR DIFFUSERS

Round diffusers



Cone Round Diffuser (1 disk)
 Material : Stamped Aluminum/ Steel
 Finishing : RAL 9010 or others (Jotun)
 Round Plenum box and radial damper included

SCAN ME



Cone Round Diffuser (2 disk)
 Material : Stamped Aluminum/ Steel
 Finishing : RAL 9010 or others (Jotun)
 Round Plenum box and radial damper included

SCAN ME

Dimension

Unit: mm

No.	Face size (D)	Neck size (N)	Opening size (O)	Disk high (Hd)	Neck high (Hc)	Total high (H)
5	600	345	560	68	75	143
6	600	395	560	68	75	143

Dimension

Unit: mm

No.	Face size (D)	Neck size (N)	Opening size (O)	Disk high (Hd)	Neck high (Hc)	Total high (H)
1	300	145	260	39	70	109
2	350	195	260	39	70	109
3	410	245	370	49	70	119
4	460	295	420	66	75	141
5	600	345	560	68	75	143
6	600	395	560	68	75	143



Cone Round Diffuser (4 disk)
 Material : Stamped Aluminum/ Steel
 Finishing : RAL 9010 or others (Jotun)
 Round Plenum box and radial damper included

SCAN ME



Disk Valve Diffuser :
 Material : Stamped Aluminum/ Steel
 Finishing : RAL 9010 or others (Jotun)
 Round Plenum box included

SCAN ME

Dimension

Unit: mm

No.	Face size (D)	Neck size (N)	Opening size (O)	Disk high (Hd)	Neck high (Hc)	Total high (H)
5	600	345	560	68	75	143
6	600	395	560	68	75	143

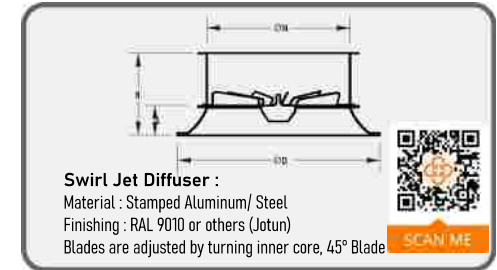
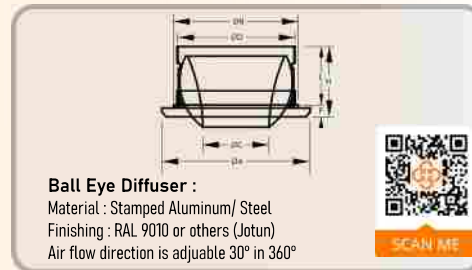
Dimension

Unit: mm

No.	Face size (D)	Neck size (N)	Hc	Hd	H
STD 250	250	95	82	12.5	94.5
STD 300	300	145	82	12.5	94.5
STD 350	350	195	82	12.5	94.5
STD 400	400	245	82	12.5	94.5

AIR DIFFUSERS

Round diffusers

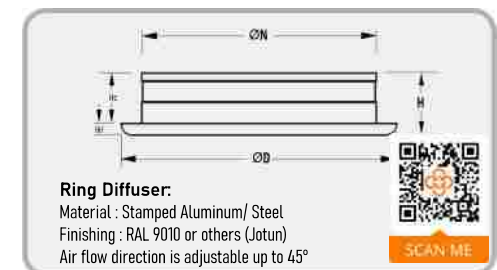
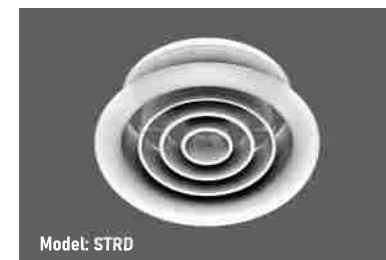
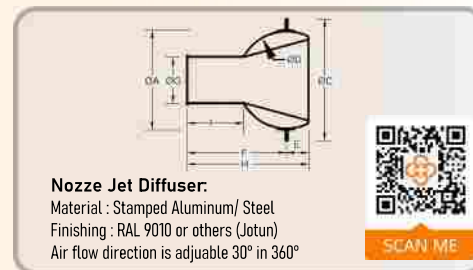


Dimension Unit: mm

Model	ØD	ØC	ØA	ØN	F	L	H
FK026-100	97	50	146	110	20	68	90
FK026-160	158	83	210	175	20	93	133
FK026-200	198	105	255	220	20	150	192
FK026-250	248	135	300	260	20	166	220
FK026-315	310	180	380	336	25	175	230
FK026-350	344	198	425	360	30	200	275
FK026-400	398	230	465	415	30	200	290
FK026-500	495	288	597	520	40	200	324
FK026-630	620	335	730	650	45	300	465

Dimension Unit: mm

No.	Face size (D)	Neck size (N)	H	L
FK 025 200	300	200	43	148
FK 025 250	360	250	43	167
FK 025 315	465	315	67	208
FK 025 400	568	400	80	230
FK 025 450	598	450	65	380
FK 025 500	700	500	105	260
FK 025 630	877	630	130	300



Dimension Unit: mm

Model	ØA	ØB	ØC	ØD	E	F	ØG	H	I	Opening	Turn angle
FK037-200	230	200	250	203	45	120	100	165	40	208	42°
FK037-300	340	304	362	314	62	200	165	262	50	318	39°
FK037-400	450	410	470	420	92	247	225	340	60	425	40°

Dimension Unit: mm

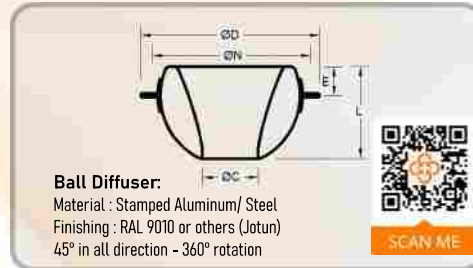
No.	Face size (D)	Neck size (N)	Hc	Hd	H
SRTD 200	200	145	68	15.5	83.5
SRTD 250	250	195	68	15.5	83.5
SRTD 300	300	245	68	15.5	83.5
SRTD 350	350	295	68	15.5	83.5
SRTD 400	400	345	68	15.5	83.5

AIR DIFFUSERS

Round diffusers



Model: FK 048



Ball Diffuser:

Material : Stamped Aluminum/ Steel
 Finishing : RAL 9010 or others (Jotun)
 45° in all direction - 360° rotation

SCAN ME

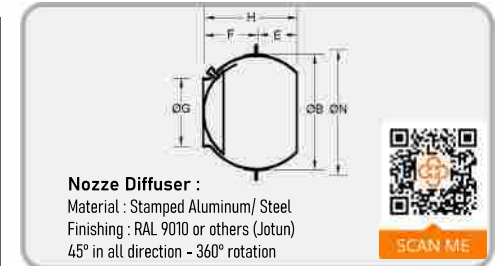
Dimension

Unit: mm

Model	ØC	ØD	ØN	E	L
FK48-170	60	169	120	73	157
FK48-200	75	195	169	88	177
FK48-250	105	258	195	121	140
FK48-300	128	300	258	157	282
FK48-350	165	368	300	200	348



Model: FK 043



Nozze Diffuser :

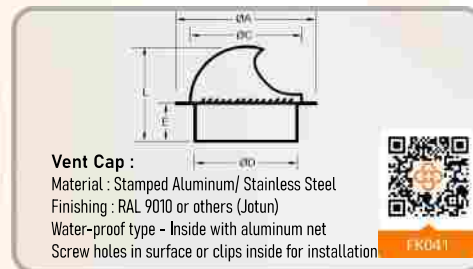
Material : Stamped Aluminum/ Steel
 Finishing : RAL 9010 or others (Jotun)
 45° in all direction - 360° rotation

SCAN ME

Model	ØN	ØA	ØB	ØC	ØD	E	F	ØG	H	Screw	Turn Angle
FK43-85	84.8	96.8	74.7	115.0	81.8	16.7	53.0	38.1	69.8	3	33°
FK43-110	110.2	122.2	100.0	139.7	107.2	23.9	65.0	50.0	88.9	4	41°
FK43-140	139.7	151.6	130.3	169.9	137.4	33.3	81.8	65.0	115.0	5	42°
FK43-160	160.3	172.2	150.1	189.7	158.0	38.1	93.7	74.6	131.8	5	43°
FK43-190	189.7	212.8	177.8	230.9	184.9	38.1	111.2	89.6	149.3	5	42°
FK43-200	208.0	208.0	200.1	249.9	203.9	43.7	119.9	100.0	163.6	5	42°
FK43-280	280.2	304.0	266.7	323.8	276.3	50.0	173.7	139.7	223.8	5	40°
FK43-320	318.2	318.2	304.8	362.7	314.4	62.7	200.1	165.1	262.6	5	39°
FK43-420	424.7	450.8	410.5	460.5	419.1	92.2	196.8	230.1	339.8	8	40°
FK43-480	485.9	511.3	469.9	534.9	478.5	95.2	295.4	260.3	389.6	8	38°



Model: FK 041



Vent Cap :

Material : Stamped Aluminum/ Stainless Steel
 Finishing : RAL 9010 or others (Jotun)
 Water-proof type - Inside with aluminum net
 Screw holes in surface or clips inside for installation

FK041

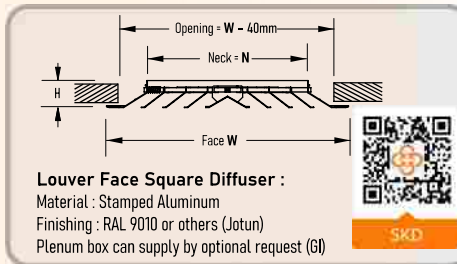
Dimension

Unit: mm

Model	ØD	ØA	ØC	L	E
D 100	98	165	115	120	45
D 125	123	190	140	136	45
D 150	148	215	165	151	55
D 200	198	270	215	182	60
D 250	248	325	265	212	65

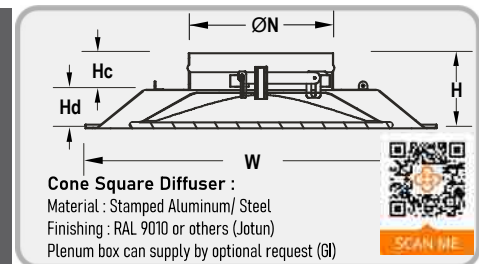
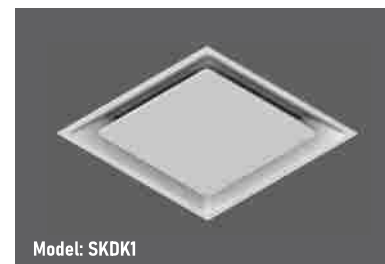
AIR DIFFUSERS

Square diffusers



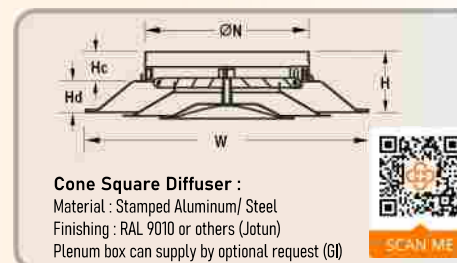
Dimension Unit: mm

Face size (W)	Neck size(ØN)	Hd	Hc	H
300x300	145	39	70	109
300x300	195	39	70	109
450x450	195	49	70	119
450x450	245	66	75	141
600x600	295	68	75	143
600x600	345	68	75	143



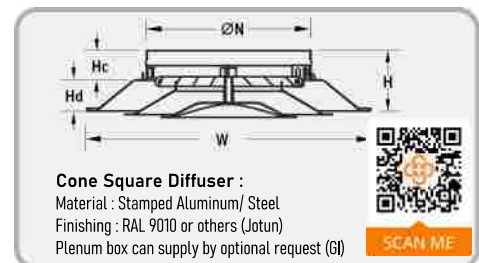
Dimension Unit: mm

Face size (W)	Neck size(ØN)	Hd	Hc	H
300x300	145	39	70	109
300x300	195	39	70	109
450x450	195	49	70	119
450x450	245	66	75	141
600x600	295	68	75	143
600x600	345	68	75	143



Dimension Unit: mm

Face size (W)	Neck size(ØN)	Hd	Hc	H
300x300	145	39	70	109
300x300	195	39	70	109
450x450	195	49	70	119
450x450	245	66	75	141
600x600	295	68	75	143
600x600	345	68	75	143



Dimension Unit: mm

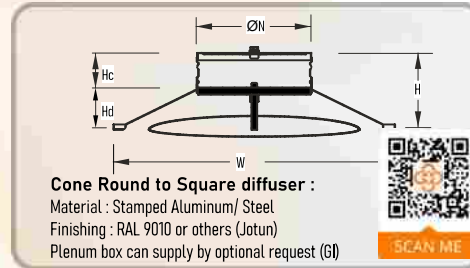
Face size (W)	Neck size(ØN)	Hd	Hc	H
300x300	145	39	70	109
300x300	195	39	70	109
450x450	195	49	70	119
450x450	245	66	75	141
600x600	295	68	75	143
600x600	345	68	75	143

AIR DIFFUSERS

Square to round diffusers



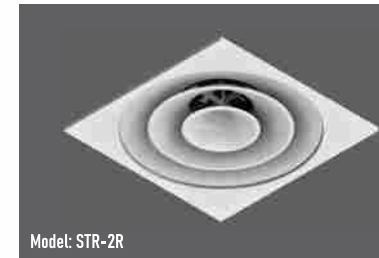
Model: STR-1R



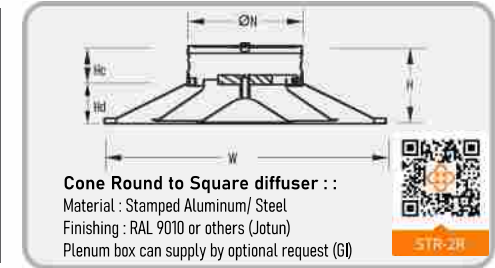
Dimension

Unit: mm

Face size (W)	Neck size(ØN)	Hd	Hc	H
300x300	145	39	70	109
300x300	195	39	70	109
450x450	195	49	70	119
450x450	245	66	75	141
600x600	295	68	75	143
600x600	345	68	75	143



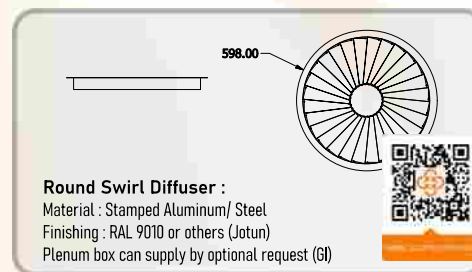
Model: STR-2R



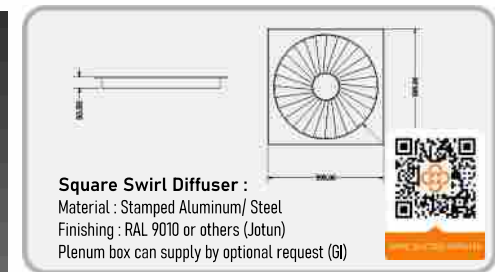
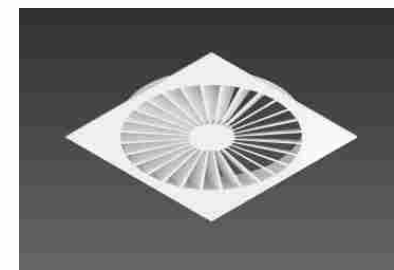
Dimension

Unit: mm

Face size (W)	Neck size(ØN)	Hd	Hc	H
300x300	145	39	70	109
300x300	195	39	70	109
450x450	195	49	70	119
450x450	245	66	75	141
600x600	295	68	75	143
600x600	345	68	75	143



Face size (W)	Round		Square		Free Area (sqm)	
	ØD ₁	ØD ₂	Q ₁	ØD ₂	Round	Square
300	300	250	298	250	0.0088	0.0088
400	400	350	398	350	0.0180	0.0180
500	500	450	498	450	0.0251	0.0251
600	600	538	598	538	0.0295	0.0295
625	625	538	623	538	0.0295	0.0295



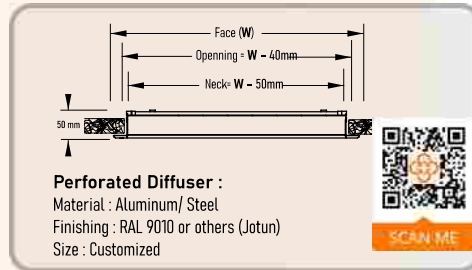
Dimension

Unit: mm

Face size (W)	Round		Square		Free Area (sqm)	
	ØD ₁	ØD ₂	Q ₁	ØD ₂	Round	Square
300	300	250	298	250	0.0088	0.0088
400	400	350	398	350	0.0180	0.0180
500	500	450	498	450	0.0251	0.0251
600	600	538	598	538	0.0295	0.0295
625	625	538	623	538	0.0295	0.0295

AIR DIFFUSERS

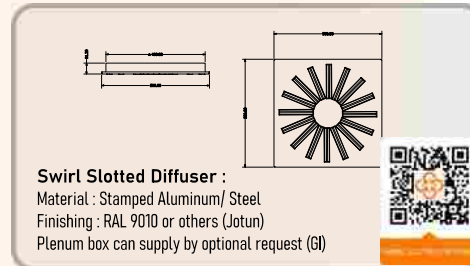
Square to round diffusers



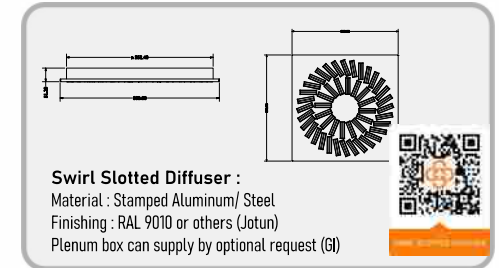
Dimension

Unit: mm

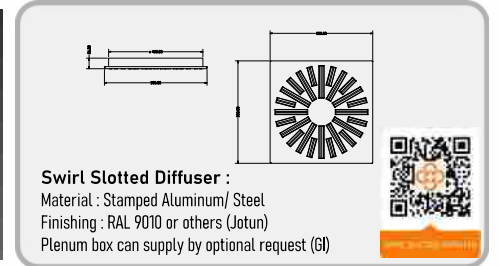
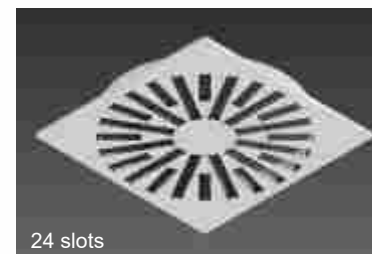
Model	Face size	Neck size	Neck box size	Opening size
SPG	W x H	(W-50)x(H-50)	(W-40)x(H-40)	(W-30)x(H-30)
SPG-O	W x H	(W-50)x(H-50)	(W-40)x(H-40)	(W-30)x(H-30)



Face size (W)	Round		Square		Number of slot (n)	Free Area (sqm)	
	ØD ₁	ØD ₂	a ₁	ØD ₂		Round	Square
300 x 8	280	280	300	280	8	0.007	0.007
300 x 10	280	280	300	280	10	0.008	0.008
400 x 12	370	370	400	370	12	0.010	0.010
500 x 16	460	460	500	460	16	0.014	0.014
500 x 24	460	460	500	460	24	0.021	0.021
500 x 28	460	460	500	460	28	0.025	0.025
600 x 24	550	550	600	550	24	0.021	0.021
600 x 48	550	550	600	550	48	0.042	0.042



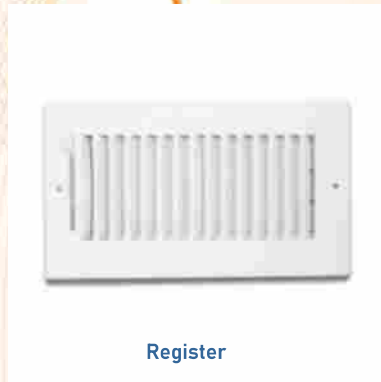
Face size (W)	Round		Square		Number of slot (n)	Free Area (sqm)	
	ØD ₁	ØD ₂	a ₁	ØD ₂		Round	Square
300 x 8	280	280	300	280	8	0.007	0.007
300 x 10	280	280	300	280	10	0.008	0.008
400 x 12	370	370	400	370	12	0.010	0.010
500 x 16	460	460	500	460	16	0.014	0.014
500 x 24	460	460	500	460	24	0.021	0.021
500 x 28	460	460	500	460	28	0.025	0.025
600 x 24	550	550	600	550	24	0.021	0.021
600 x 48	550	550	600	550	48	0.042	0.042



Face size (W)	Round		Square		Number of slot (n)	Free Area (sqm)	
	ØD ₁	ØD ₂	a ₁	ØD ₂		Round	Square
300 x 8	280	280	300	280	8	0.007	0.007
300 x 10	280	280	300	280	10	0.008	0.008
400 x 12	370	370	400	370	12	0.010	0.010
500 x 16	460	460	500	460	16	0.014	0.014
500 x 24	460	460	500	460	24	0.021	0.021
500 x 28	460	460	500	460	28	0.025	0.025
600 x 24	550	550	600	550	24	0.021	0.021
600 x 48	550	550	600	550	48	0.042	0.042

Air Grilles

Stamping steel grille and register



Register

Material

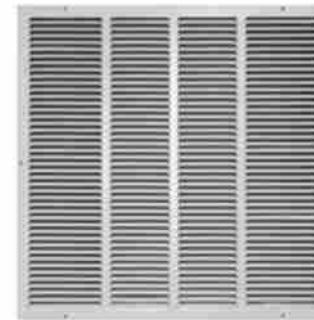
- Stamping steel sheet/ Aluminum

Finishing :

- Powder coating
- Mill

Register :

- 1 way register (6x4 to 16x8 inches)
- 2 way register (6x4 to 30x6 inches)
- 3 way register (6x4 to 24x8 inches)
- 4 way register (6x6 to 20x20 inches)



Return Wall Grille

Material

- Stamping steel sheet/ Aluminum

Finishing :

- Powder coating
- Mill

Standard size

Size : 6x4 to 36x36 inches



Round Diffuser

Material

- Stamping steel sheet/ Aluminum

Finishing :

- Powder coating
- Mill

Standard size

Size : 6 to 24 inches



Spiral Duct Air Grille

Material

- Stamping steel sheet/ Aluminum

Finishing :

- Powder coating
- Mill

Standard size

Width Size : 4 to 16 inches

Lenght : Customize

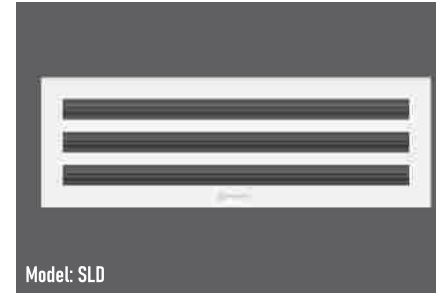
Air Grilles

Linear Bar Grille



LINEAR BAR GRILLE
 Material : Aluminum
 Finishing : RAL 9010 or others (Jotun)
 Frame 25, 15, Freamless - Slot : 12-16-20 mm

SCLB



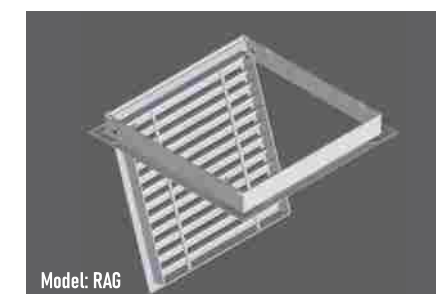
SLOT LINEAR DIFFUSER
 Material : Aluminum
 Finishing : RAL 9010 or others (Jotun)

SLD



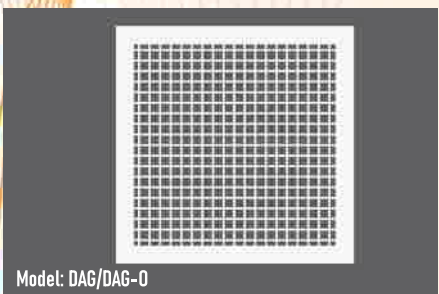
SINGLE DEFLECTION GRILLE
 Material : Aluminum
 Finishing : RAL 9010 or others (Jotun)
 Frame 25, 15, Freamless - Slot : 20 mm

SAG



RETURN AIR GRILLE
 Material : Aluminum
 Finishing : RAL 9010 or others (Jotun)
 Pattern type : Stanbдарd of Customize

RAG



DOUBLE DEFLECTION GRILLE
 Material : Aluminum
 Finishing : RAL 9010 or others (Jotun)
 Frame 25, 15, Freamless - Slot : 20 mm

DAG

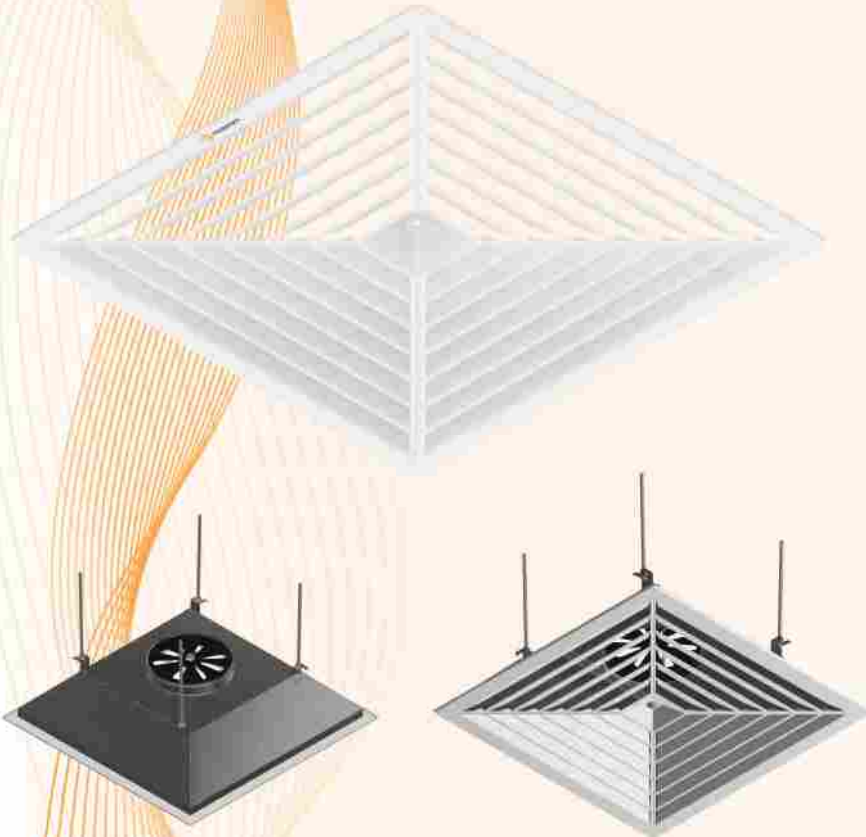


FRESH AIR LOUVER
 Material : Aluminum
 Finishing : RAL 9010 or others (Jotun)
 Blade type : Small Z type

SWL

Louver Face
Stamping Square Diffuser

ALUMINUM / STEEL / STAINLESS STEEL

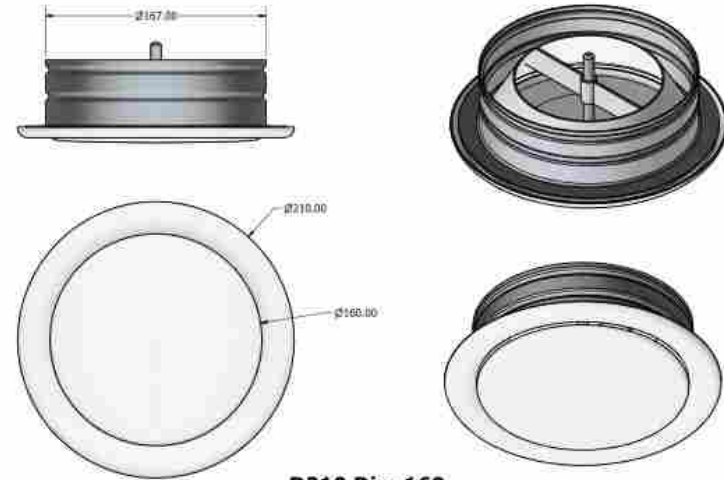


Face size: 600x600 - 450x450 - 300x300

NEW Products 2024

Round Valve Diffuser

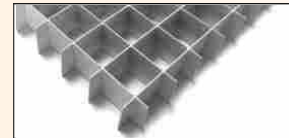
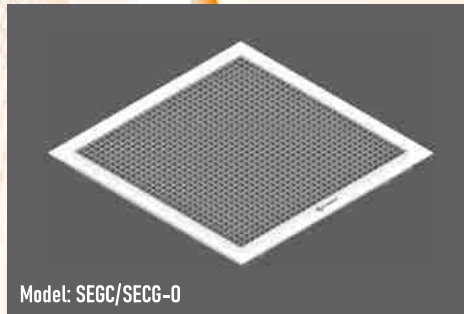
ALUMINUM / STEEL / ABS PLASTIC



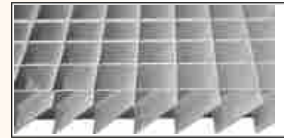
D210 Dim 160

- Face size: D140 - Neck size D100
- Face size: D166 - Neck size D125
- Face size: D250 - Neck size D200
- Face size: D210 - Neck size D160

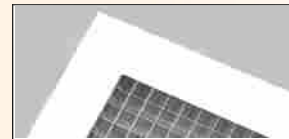
AIR GRILLE AND EGG CRATE PANEL



0° core



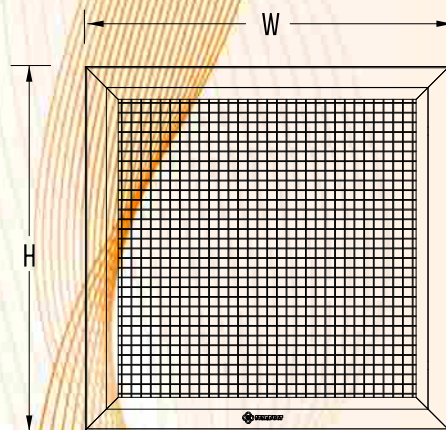
45° core



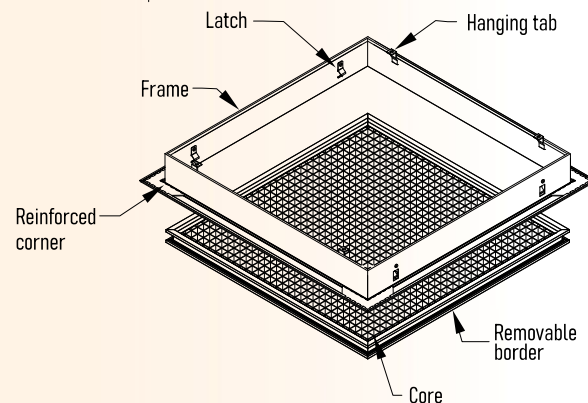
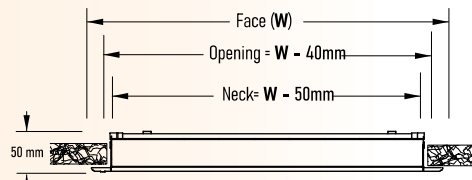
Fixed core (SEGC)



Removable core (SEGC-0)



$W_{max} = 1200mm$ $H_{max} = 1200mm$
 $W / H > 600$ - add stiffening bar



TYPICAL APPLICATION

Egg crate grilles are the largest free area of any grille, this product is well suited to high capacity return/exhaust application that require low sound and pressure drop.

Model SEGC with fixed core and SEGC-0 with openable core of Starduct is to meet variable needs. The sturdy construction and high quality powder coat finish are able to satisfy any requirement of performance and aesthetic appearance.

MATERIAL

- BORDER/FRAME: A6063 extruded aluminum, thickness 1.0~1.2mm. CORE: aluminum sheet, thickness 0.35mm

FINISH

- Standard: matt white RAL 9010 (optional RAL code). Guaranteed up to 10 years.

DIMENSION

- Customize

CORE

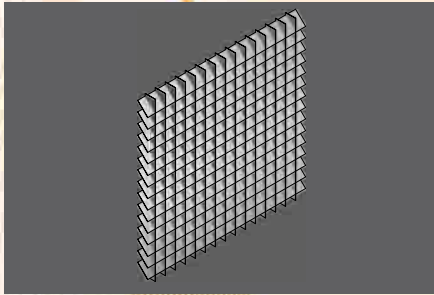
- Standard: 0° angled core, 1/2" x 1/2" (12.7mm x 12.7 mm) grid.
- Optional: 45° angled core obstructs line of sight through
- Free area: up to 90%.

OPTIONS

- Removable core
- Hinged core
- OBD (for supply or register)
- Filter
- **EGG CRATE PANEL : 48" X 48", 24"X24", 48"X24"**

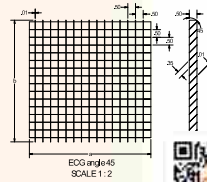
Air Grilles

Accessories



EGG CRATE PANEL

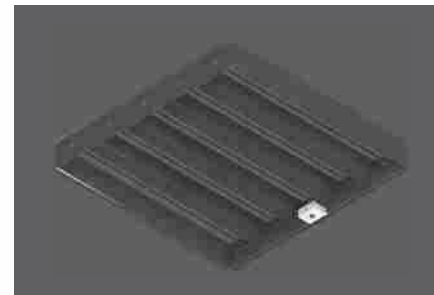
Material : Aluminum
 Finishing : Powder coating or mill
 Blade angle : 0 / 45



EGG angle=45
 SCALE 1 : 2

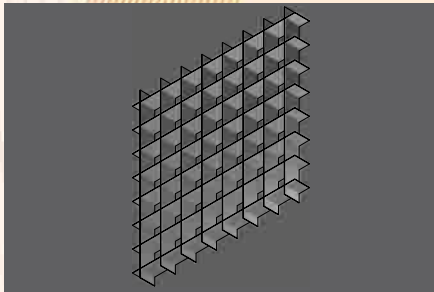
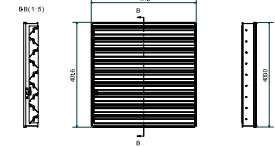


SEGG



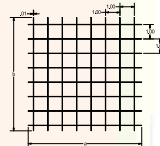
AIR GRILLE OBD

Material : Aluminum
 Finishing : Black powder coating
 Size: Air grille neck size or customize



EGG CRATE PANEL

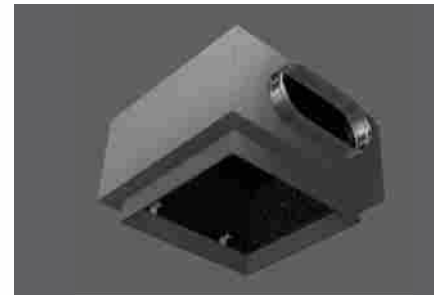
Material : Aluminum
 Finishing : Powder coating or mill
 Size : 12.7x12.7 - 25.4x25.4



EGG 1/4
 SCALE 1 : 2

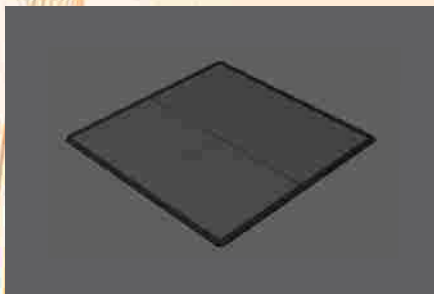


SEGG



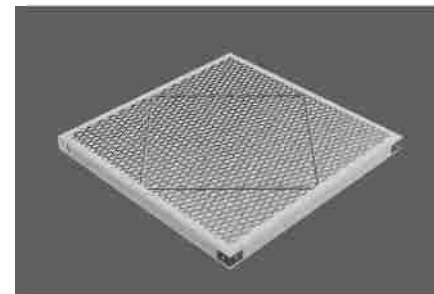
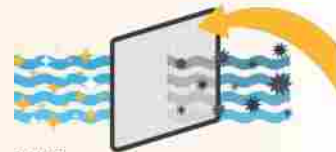
PLENUM BOX

Material : galvanized steel
 Insulation : Optional
 Collar size : Customize



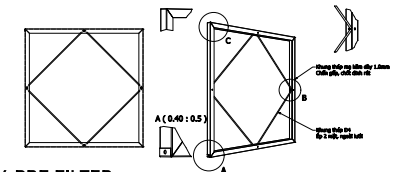
FILER NET

Material : pvc net, steel frame
 Finishing : PVC covering
 Size : air grille size or customize



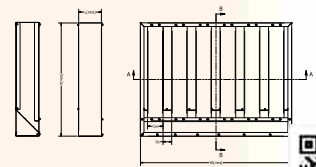
G4 PRE FILTER

Material : G4 pre filter + Aluminum frame
 Type : Flat or ziczac
 Size : Customize




LOUVERS

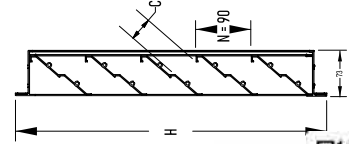
Outside louver


SAND TRAP LOUVER
 Material : steel, stainless steel, ZAM
 Finishing : Powder coating or mill
 Size : Standard of Customize



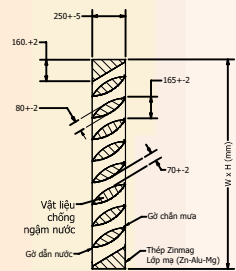
SAND TRAP


WEATHER LOUVER
 Material : Aluminum
 Finishing : Powder coating
 Blade type : Z type, V type



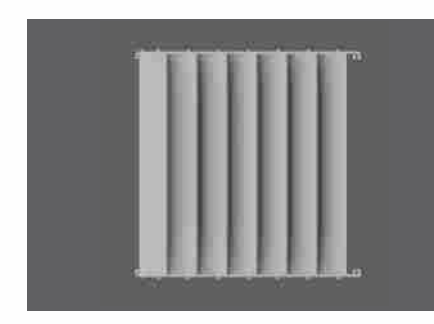
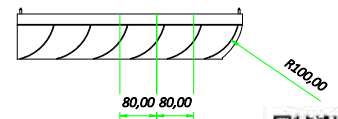
WWL


Oval Blade Acoustic Louver



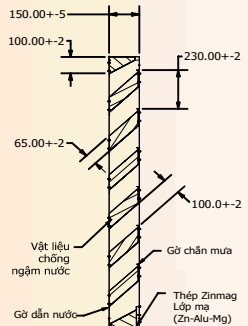
ACOUSTIC LOUVER


AIR-CON OUT DOOR UNIT AIR DIRECTION
 Material : Aluminum
 Finishing : powder coating
 Size: Air-con size or customize



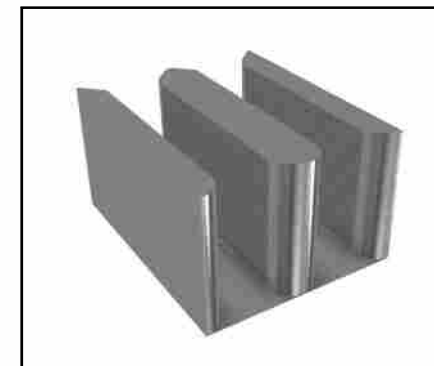
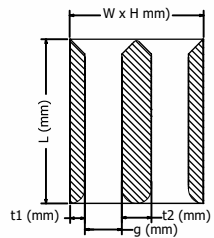
SAC


Z Blade Acoustic Louver



ACOUSTIC LOUVER

Rec. and Round Silencers



ACOUSTIC LOUVER

VAV/CAV

Variable Terminal Unit

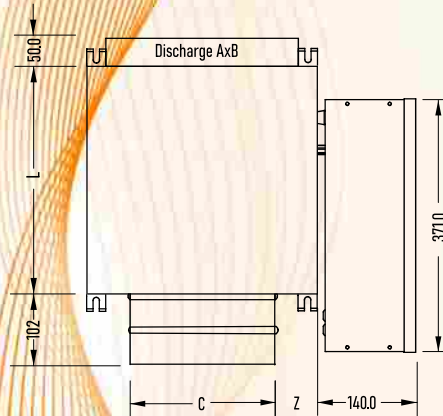
Single Duct



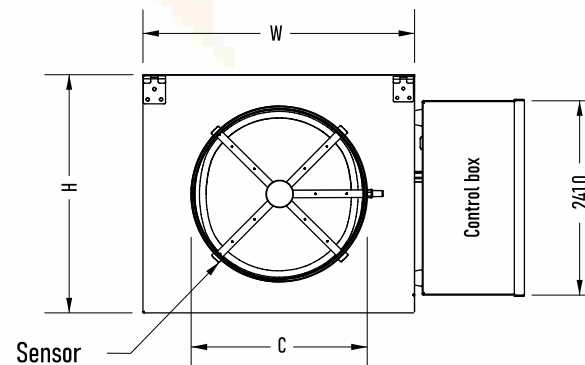
DIMENSIONAL DETAIL (SI)

MODEL	Size (in.)	Min Airflow (l/s)	Inlet diameter C (mm)	L (mm)	H (mm)	W (mm)	Z (mm)	Discharge dim.(AxB)		Weight (kg)
								A (mm)	B (mm)	
SVAV-S-04	4	47	102	292	279	330	89	203	254	9.5
SVAV-S-05	5	71	127	292	279	330	89	203	254	9.5
SVAV-S-06	6	141	152	292	279	330	89	203	254	9.5
SVAV-S-07	7	212	178	305	330	356	89	254	279	10.0
SVAV-S-08	8	282	203	305	330	356	89	254	279	10.0
SVAV-S-09	9	376	229	305	381	432	89	305	356	13.5
SVAV-S-10	10	424	254	305	381	432	89	305	356	13.5
SVAV-S-12	12	565	305	330	432	508	89	356	432	17.5
SVAV-S-14	14	706	356	356	533	559	89	457	483	21.0
SVAV-S-16	16	941	406	381	533	660	89	457	584	23.0

Single Duct



TOP VIEW



INLET VIEW



Materials

- Box : ZAM steel sheet of 0.8mm
- Blade: Stamping ZAM steel of 0.8mm
- Damper shaft: galvanized Ct4 steel bar
- Bushing: ABS plastic
- Blade seal: EPDM
- Insulation : aesthetic egg foam
- Pressure sensor : Aluminum Star Cross, Central Avg.
- Controller : Belimo ZoneEase
- Communication: BacNet, ModBus
- Testing standard : AHRI 880



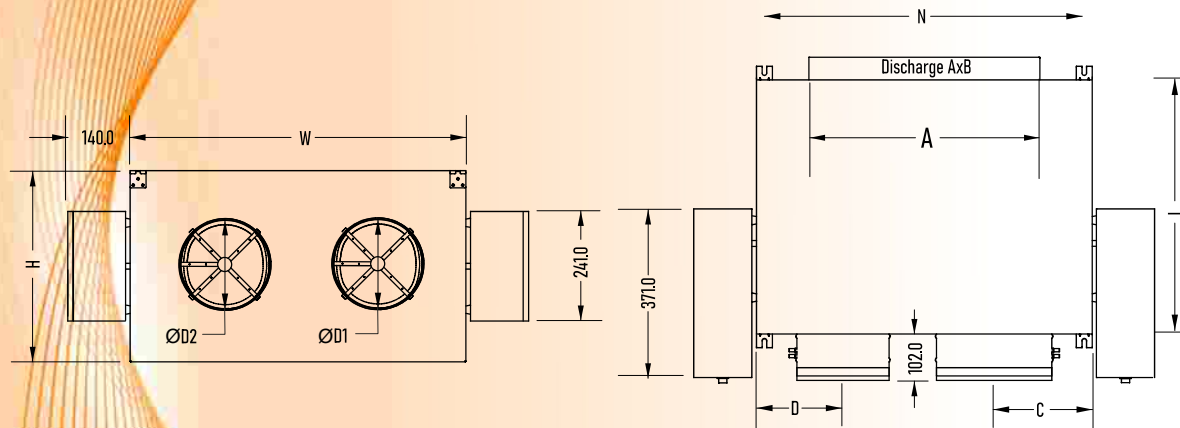
VAV BOX

DIMENSIONAL DETAIL (SI)

MODEL	Cooling			Heating			Discharge dim.		C (mm)	D (mm)	L (mm)	W (mm)	H (mm)	Weight (kg)
	Size (in.)	Airflow (l/s)	Inlet dia. D1 - (mm)	Size (in.)	Airflow (l/s)	Inlet dia. D2 - (mm)	A (mm)	B (mm)						
SVAV-D-0505	05	165	127	05	165	127	356	508	152	152	559	737	419	25
SVAV-D-0605	06	236	152	05	165	127	356	508	165	152	559	737	419	25
SVAV-D-0606	06	236	152	06	236	152	356	508	165	165	559	737	419	25
SVAV-D-0806	08	425	203	06	236	152	356	508	191	165	559	737	419	25
SVAV-D-0808	08	425	203	08	425	203	356	508	191	191	559	737	419	25
SVAV-D-0907	09	566	229	07	329	178	356	508	203	178	559	737	419	26
SVAV-D-1008	10	661	254	08	425	203	356	508	216	191	559	737	419	26
SVAV-D-1010	10	661	254	10	661	254	356	508	216	216	559	737	419	28
SVAV-D-1208	12	944	305	08	425	203	508	508	241	191	610	1041	572	26
SVAV-D-1210	12	944	305	10	661	254	508	508	241	216	610	1041	572	27
SVAV-D-1212	12	944	305	12	994	305	508	508	241	241	610	1041	572	27
SVAV-D-1414	14	1416	356	14	1416	356	508	508	267	267	610	1041	572	37
SVAV-D-1612	16	1888	406	12	994	305	508	508	292	241	610	1041	572	37
SVAV-D-1616	16	1888	406	16	1888	406	508	508	292	292	610	1041	572	38



Dual Duct



INLET VIEW

TOP VIEW

Materials

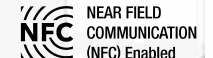
- Box : ZAM steel sheet of 0.8mm
- Blade: Stamping ZAM steel of 0.8mm
- Damper shaft: galvanized Ct4 steel bar
- Bushing: ABS plastic
- Blade seal: EPDM
- Insulation : aesthetic egg foarm
- Pressure sensor : Aluminum Star Cross, Central Avg.
- Controller : Belimo ZoneEase
- Communication: BacNet, ModBus
- Testing standard : AHRI 880

VAV/CAV

Variable Terminal Unit Rectangular

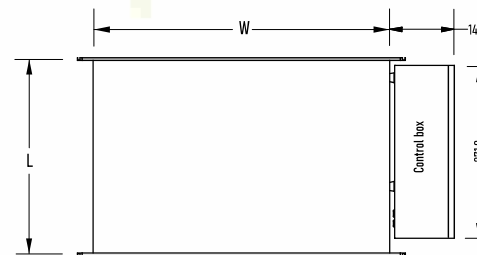
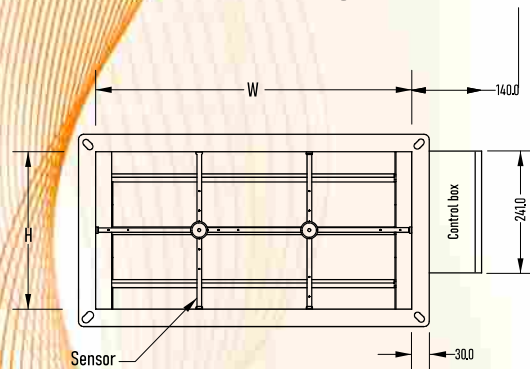


Dimension up to 1000x1000



BELIMO

Rectangular



Materials

- Box : ZAM steel sheet of 0.8mm
- Blade: Stamping ZAM steel of 0.8mm
- Damper shaft: galvanized Ct4 steel bar
- Bushing: ABS plastic
- Blade seal: EPDM
- Insulation : Rubber egg foarm
- Pressure sensor : Aluminum Star Cross, Central Avg.
- Controller : Belimo ZoneEase
- Communication: BACnet, Modbus
- Testing standard : AHRI 880

VAV/CAV

Variable Terminal Unit

VAV compact



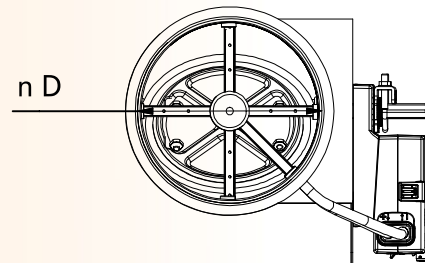
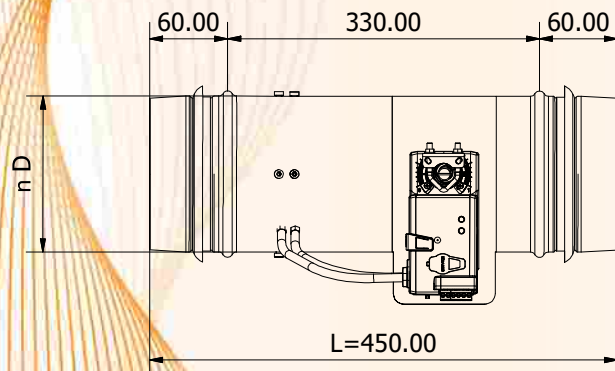
Specifications:



No	Model	Diameter (mm)	L(mm)	Vmin CMH	Vmax CMH	Actuator	Sensor	Voltage	Consumtion
1	S-MV80	80	450	40	162	LMV--BAC-001	P-22RT/22DC11	AC/DC, 24V. 50/60Hz	2W
2	S-MV100	100	450	79	510	LMV--BAC-001	P-22RT/22DC11	AC/DC, 24V. 50/60Hz	2W
3	S-MV125	125	450	102	612	LMV--BAC-001	P-22RT/22DC11	AC/DC, 24V. 50/60Hz	2W
4	S-MV150	150	450	153	880	LMV--BAC-001	P-22RT/22DC11	AC/DC, 24V. 50/60Hz	2W
5	S-MV200	200	450	272	1560	LMV--BAC-001	P-22RT/22DC11	AC/DC, 24V. 50/60Hz	2W
6	S-MV250	250	450	425	2430	LMV--BAC-001	P-22RT/22DC11	AC/DC, 24V. 50/60Hz	2W
7	S-MV300	300	450	612	3500	LMV--BAC-001	P-22RT/22DC11	AC/DC, 24V. 50/60Hz	2W
8	S-MV350	350	450	816	4760	LMV--BAC-001	P-22RT/22DC11	AC/DC, 24V. 50/60Hz	2W
9	S-MV400	400	450	1071	6232	LMV--BAC-001	P-22RT/22DC11	AC/DC, 24V. 50/60Hz	2W

Active range : AC 19,2....28,8V/DC 21,6....28,8.

P-22RT : Room sensor ROU. 22DC11 : Return duct sensor



VAV ZoneEase compact:
Model: LMV/NMV-BAC-001

Co2 Sensor
Model : P-22RT/22DC-11



Active sensor (0...10v) for measuring Co2
IP65/NEMA 4X rated enclosure

VAV/CAV

Variable Terminal Unit

VAV diffuser

DIMENSIONAL DETAIL (SI)



MODEL	Size (in.)	Airflow (l/s)	Inlet diameter C (mm)	L (mm)	H (mm)	W (mm)	Z (mm)	Discharge dim.(AxB)		Weight (kg)
								A (mm)	B (mm)	
SVAV-S-04	4	106	102	292	279					
SVAV-S-05	5	165	127	292	279					
SVAV-S-06	6	236	152	292	279					
SVAV-S-07	7	330	178	305	330					
SVAV-S-08	8	425	203	305	330					
SVAV-S-09	9	566	229	305	381					
SVAV-S-10	10	661	254	305	381					
SVAV-S-12	12	944	305	330	432					
SVAV-S-14	14	1416	356	356	533					
SVAV-S-16	16	1888	406	381	533					



With square diffuser



With round diffuser



With Disk diffuser



With Ring diffuser

VAV/CAV

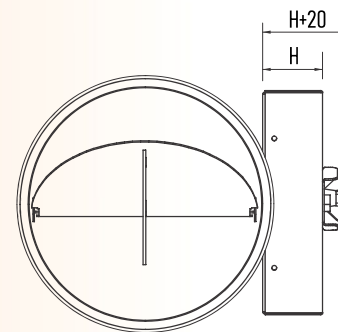
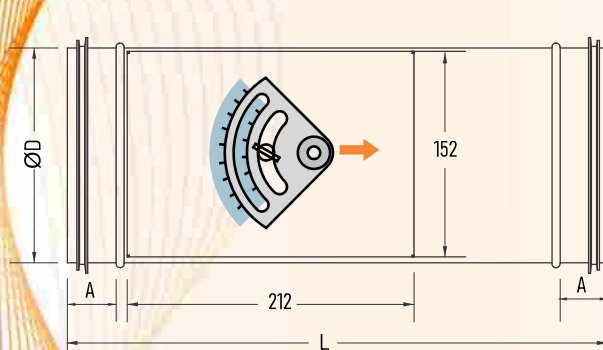
Variable Terminal Unit Constant Air Volume



Diameter (mm)	ØD	L	A	Weight	
	mm	mm	mm	kg	
80	79	300	25	1.4	
100	99	300	25	1.8	
125	124	300	25	2.0	
160	159	300	25	2.5	
200	199	300	25	3.0	
250	249	400	25	3.5	
315	314	400	25	4.8	
400	399	400	25	5.7	

Insulation type contact for detail

Uninsulation type



Materials

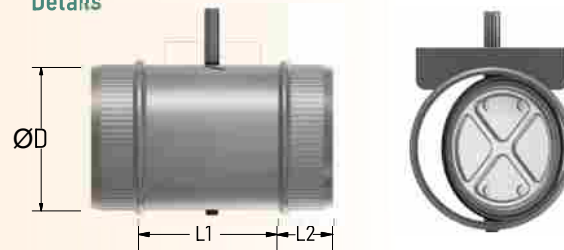
- Box : Galvanized steel sheet of 0.8mm
- Blade: Galvanized steel of 0.8mm
- Damper shaft: galvanized Ct4 steel bar
- Bushing: Bronze
- Blade seal: Non
- Insulation : Optional
- Pressure sensor : Non
- Controller : Mechanical

DAMPERS

Volume control dampers Round dampers



Details

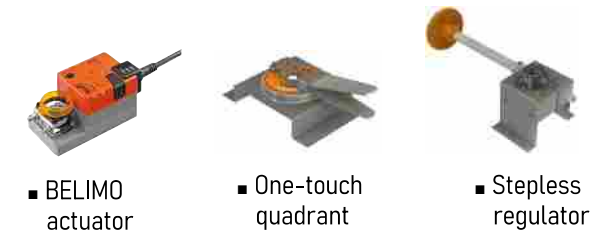


Materials

- Frame/housing: galvanized steel sheet of 0.75~1.15mm
- Blade: galvanized steel sheet 0.75~1.0mm
- Damper shaft: galvanized Ct4 steel bar
- Bushing: cooper /PPP
- Blade seal: silicone/EPDM

Sizes

- Ø100 ~ Ø500 (mm)



Working pressure

- High, Low, medium

Structure

- Housing: one-piece, weldness, clinching joint.
- Optional corrugated end
- Optional sealed blade

Size - D (mm)	L1 (mm)	L2 (mm)	Material Thickness (mm)
100 ~ 200	132	60	0.75
225 ~ 300	212	70	0.75
325 ~ 350	262	75	0.95
375 ~ 400	312	80	0.95
425 ~ 450	362	90	1.15
475 ~ 500	500	100	1.15

DAMPERS

Volume control dampers Rectangular dampers



REG VCD

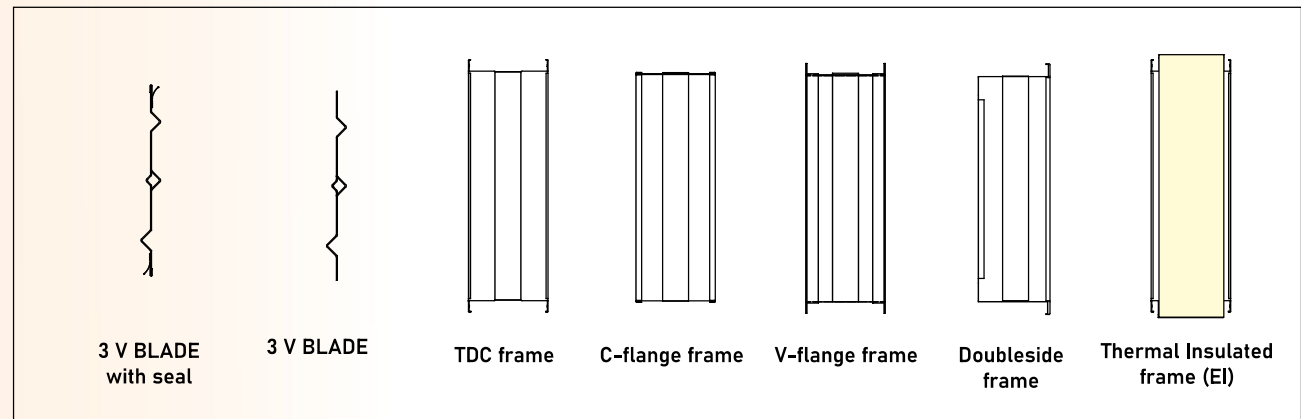
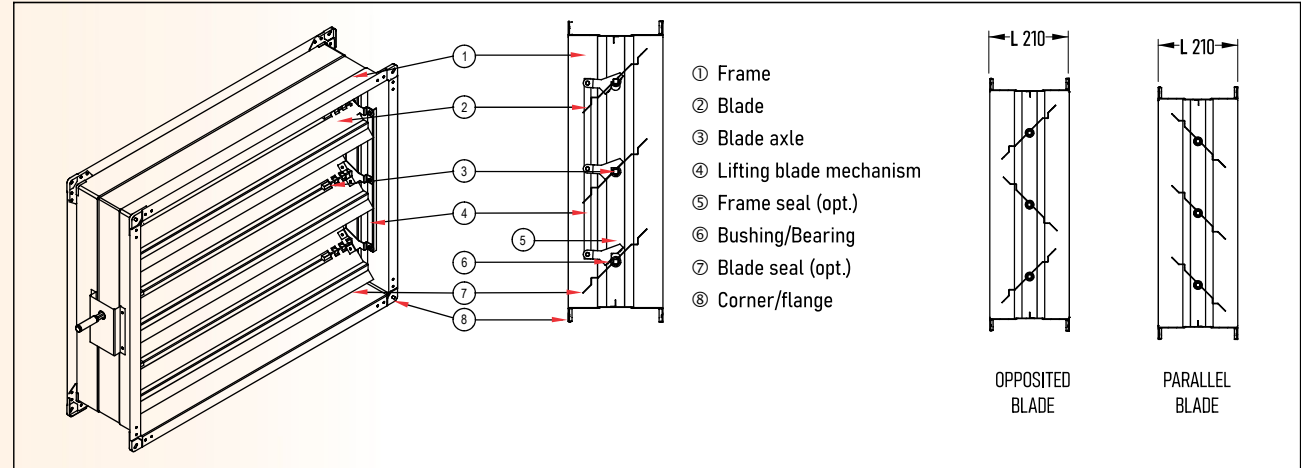


OPPOSED BLADE DAMPER - OBD



PARALLEL BLADE DAMPER - PDB

CONSTRUCTION



DAMPERS

Volume control dampers Radial dampers

Materials

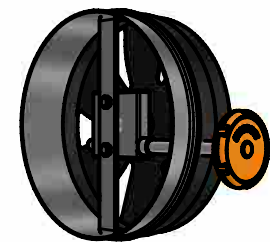
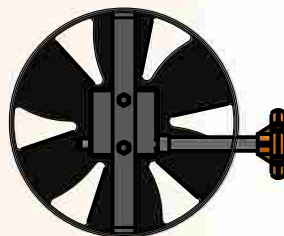
- Frame/housing: Stamping steel/Aluminum
- Thickness of 0.75~1.15mm
- Finish: Powder coating black

Sizes

- $\varnothing 100 \sim \varnothing 400$ (mm)

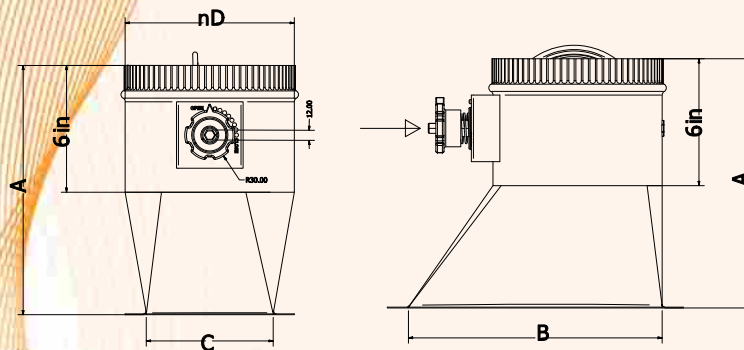
Structure

- Housing: one-piece, weldness, clinching joint.
- Optional corrugated end



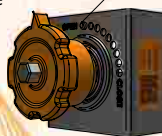
DAMPERS

Volume control dampers Spigot dampers

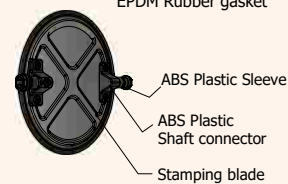


Hole to adjustment (10% by step)

ABS Plastic handle



EPDM Rubber gasket

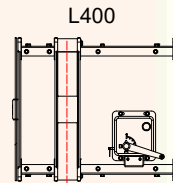


Dimension (in)

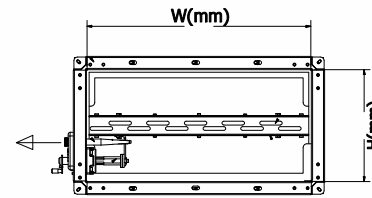
D	B x C	A
4'	10 x 5	11.75
5"	10 x 5	11.75
6"	12 x 6	11.75
7"	12 x 6	11.75
8"	12 x 6	11.75
9"	15 x 6	12.75
10"	16 x 6.75	12.75
12"	18 x 8.5	12.75
14"	20 x 9.5	12.75
16"	22 x 14	13.75
18"	22 x 16	13.75
20"	22 x 18	14

DAMPERS

Insulated fire damper FD/MFD



Fusible link activated
@ 70°C±2, closing by
2 springs (D10) in
each section



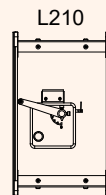
Actuated by signals
BELIMO actuator
FSLF24(-S)
FSLF230(-S)
Common open
Close time 15s

Materials

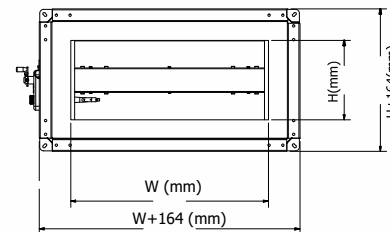
- Frame/housing: Steel/ MGS
- Steel sheet of 1.15mm
- Finish: Insulation MGS board

Sizes

- Up per request
- Controler Optional:**
- Fuse linkage (Mechanical)
 - Acctuator (Belimo Ul555)
- Level : 2 hours (Ei120)**



Fusible link activated
@ 70°C±2, closing by
2 springs (D10) in
each section



Actuated by signals
BELIMO actuator
FSLF24(-S)
FSLF230(-S)
Common open
Close time 15s

Materials

- Frame/housing: Steel/ MGS
- Steel sheet of 1.15mm
- Finish: nsulation MGS board

Sizes

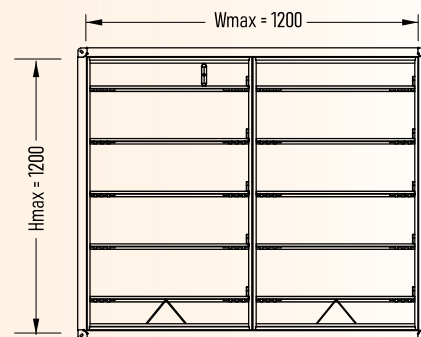
- Up per request
- Controler Optional:**
- Fuse linkage (Mechanical)
 - Acctuator (Belimo Ul555)
- Level : 2 hours (Ei120)**

DAMPERS

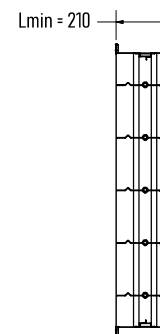
Uninsulated fire damper FD/MFD



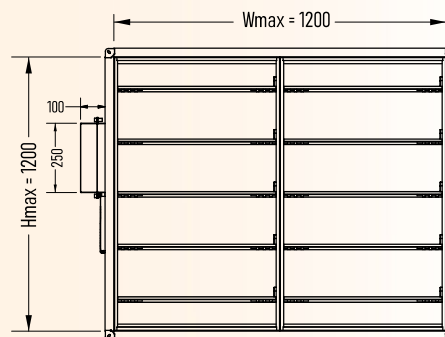
Spring-fusible link damper



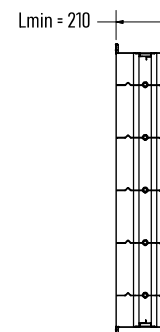
Spring-fusible link damper



Motorized damper



Motorized damper



Materials

- 1. Frame: CNC folding, 2-side TDC. Galvanized steel sheet Z18, thickness 1.15mm
- 2. Blade: single or multiple. 3V type. Galvanized steel sheet Z18, thickness 1.15mm
- 3. Axle: square steel bar. Galvanized
- 4. Bush: cooper, 2-piece, CNC lathe

Sizes

- Up per request

Controller:

- Activated by working temperature with fusible links and springs
- Level : 2 hours (E120)**



Fusible link activated @ $70^{\circ}\text{C} \pm 2$, closing by 2 springs (Ø10) in each section

Materials

- 1. Frame: CNC folding, 2-side TDC. Galvanized steel sheet Z18, thickness 1.15mm
- 2. Blade: single or multiple. 3V type. Galvanized steel sheet Z18, thickness 1.15mm
- 3. Axle: square steel bar. Galvanized
- 4. Bush: cooper, 2-piece, CNC lathe

Sizes

- Up per request

Controller:

- Activated by fire-alarm signal and control by electric motor 24V AC/DC or 230V AC

Level : 2 hours (E120)



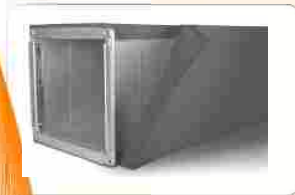
Actuated by signals BELIMO actuator FSLF24(-S) FSLF230(-S) Common open Close time 15s

Duct and fittings

Rectangular duct



Aesthetic foam covered
(internal & external)



Glass wool covered
(internal & external)



DESCRIPTION

Rectangular duct is factory fabricated and supplied with factory applied sealant on all longitudinal joint thermal/sound insulation liners can be installed at factory (for internal/cladding ducts) or in-situ for externally application.

All SQD duct of Starduct is conformed with SMACNA HVAC 06-2006 Duct Construction standard.

Material

- Galvanizing steel sheet, grade Z8, thickness 0.48 ~ 1.6mm (other thickness available per request).
- Insulation: glass wool with aluminum foil or aesthetic foam panels depending sound/thermal insulation needs.

Dimensions

- Customize

Longitudinal seam

- Pittsburg, buttonlock or welded

Transverse joint/Flange

- Various types of SMACNA approved connection, such as TDF/TDC, Companion Flange (V), Slip & Drive (S)

External and internal reinforcements

- Based on agreed schedule with accordance to SMACNA HVAC Duct Construction standards



Duct and fittings

Spiral duct and fittings



DESCRIPTION

Insulated duct is factory fabricated and supplied with factory applied sealant on all longitudinal joint thermal/sound insulation liners can be installed at factory (for internal/cladding ducts) or in-situ for externally application. All SQD duct of Starduct is conformed with SMACNA HVAC 06-2006 Duct Construction standard.

Material

- Standard/recommended: GI sheet Z18, thickness 0.48 ~ 1.2 mm
- Optional: thickness of zinc coats as requirement
- Optional: stainless steel

Size

- D80 to 1600mm

Seam

- Single spiral seam

Connection

- As per SMACNA

Reinforcement

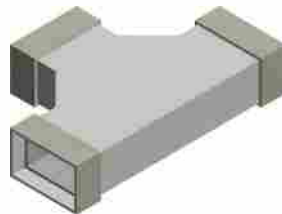
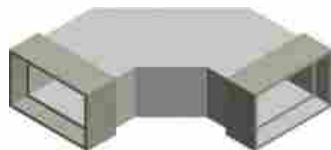
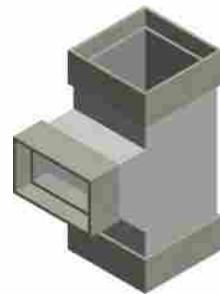
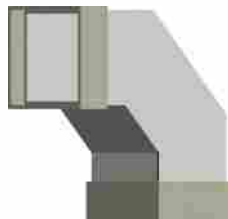
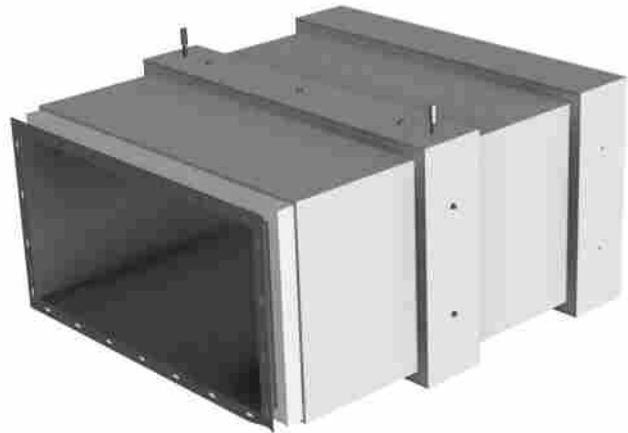
- Corrugation is available as a standard feature for diameter of DN 300 to 1600mm

Features

- Installation: EPDM gasket integrated on end of fittings
- Working temp.: from - 30 to +100°C.
- Working neg. pressure (max): 3000 Pa
- Working pressure (max): 5000 Pa

Duct and fittings

Insulated duct and fittings



DESCRIPTION

Insulated fire duct (EI) is a special product meeting very high standards.

Especially, in order to be accepted as official fire-protect application, the manufacturer must possess the licence issued by the concerning governmental agency.

SEID duct of Star Asia Jsc. is the product, that meet above requirement. Star Asia Jsc. possess the certificate No. 36/GXN-PCCC granted by Vietnam Fire and Rescue Police Department - Public Security Ministry and its product meet requirement of QCVN 03 2021/BCA - Technical Regulation to fire fighting and prevention equipment.

CONSTRUCTION

Material

- Duct body: galvanized steel sheet.
- Insulation board: 38mm ~ 96mm

Size

- Customize

Seam of metal body

- pittsburg, welded

Performance

- Class: EI 30 ~ EI 180

Duct and fittings

Flexible duct and connector



Material

- Casing: Aluminum-polyester (PET), reinforcement: high grade carbon steel wire 0.8 ~ 1.1 mm.
- Insulation: glass wool, thickness 25mm, 24kg/m³, 32kg/m³
- **Thickness of the aluminum foil** : ~ 0.035mm
- Size : D80 to D600
- Standard Length : 8m per piece



Material

- Casing: Aluminum-polyester (PET), reinforcement: high grade carbon steel wire 0.8 ~ 1.1 mm.
- Outer PVC cover
- **Thickness of the aluminum foil** : ~ 0.035mm
- Size : D80 to D600
- Standard Length : 8m per piece



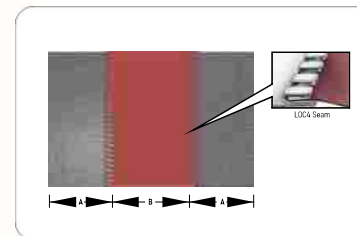
Material

- Casing: Aluminum-polyester (PET)
- Reinforcement: high grade carbon steel wire 0.8 ~ 1.1 mm.
- **Thickness of the aluminum foil** : ~ 0.035mm
- ~ 0.035mm
- Size : D80 to D600
- Standard Length : 8m per piece



Material

- Canvas: Rubber, PVC coated on both faces, thickness 0.58mm
- Steel plate: galvanized Z8, thickness 0.55mm (other options per request)
- Canvas Size : 75-100-150
- Roll : 30m per roll

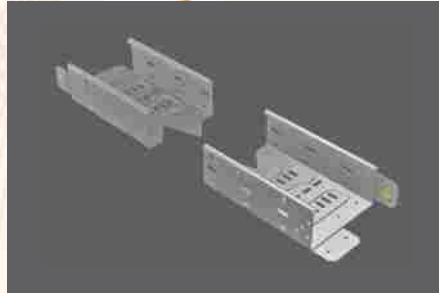
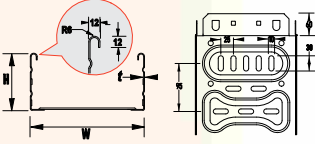


Material

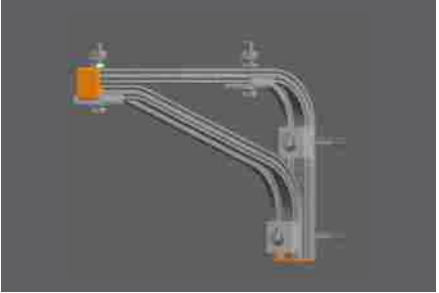
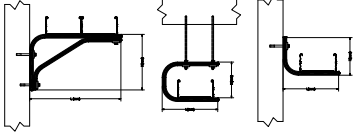
- Canvas: Fiberglass coated on both faces, 520 gr/m²
- Steel plate: galvanized Z8, thickness 0.55mm (other options per request)
- Canvas Size : 100-150
- Roll : 30m per roll

CABLE TRAY AND LADDER

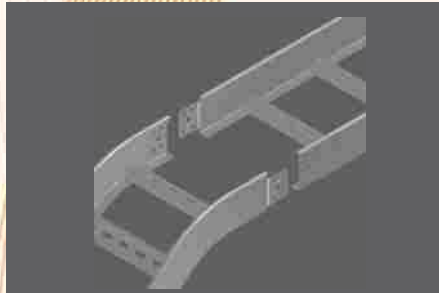
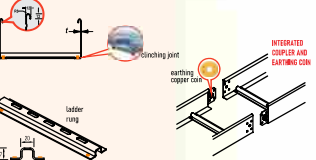
Electric system products

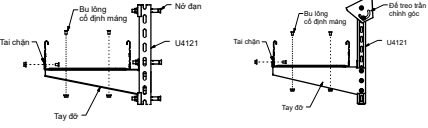
CABLE TRAY
 Material : steel, stainless steel, ZAM
 Finishing : Powder coating or mill
 Size : 100 to 600 width, 50 to 100 high

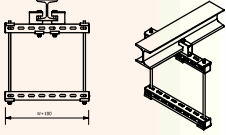
WALL SUPPORT
 Material : steel
 Finishing : Powder coating or mill
 Type : Bending C channel

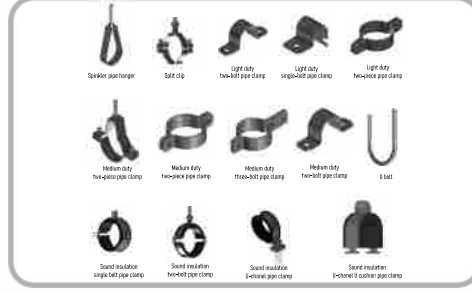
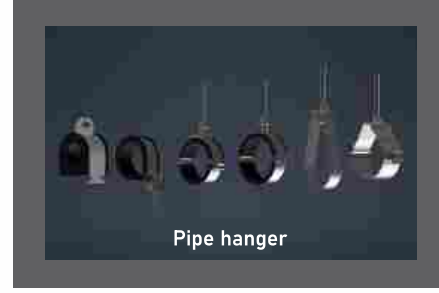
CABLE LADDER
 Material : stainless steel, steel, aluminum
 Finishing : Powder coating or mill
 Side high : 100-150-200, Rung dis. 200-250-300

WALL SUPPORT
 Material : steel
 Finishing : Powder coating or mill
 Type : steel bending

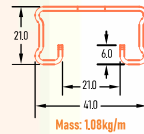



HANGER SUPPORT
 Material : steel
 Finishing : Powder coating or mill
 Type : Bending C channel





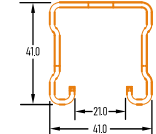
Slots 12 wide x 30 long
at 50mm centres (approx.)



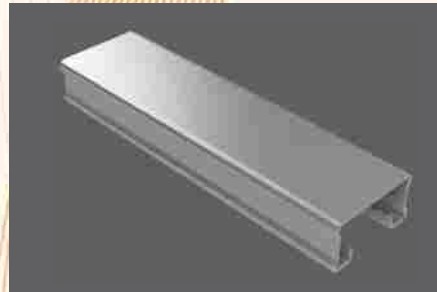
U21*21
Material : steel, stainless steel, ZAM. t=1.02, 1.2, 1.5 mm
Finishing : Powder coating or mill
Hole : 30*12



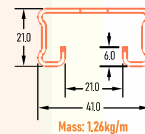
Slots 12 wide x 30 long
at 50mm centres (approx.)



SLOTTED U41*41
Material : steel, stainless steel, ZAM t=2.0, 2.5 mm
Finishing : Powder coating or mill
Hole size : 30*12



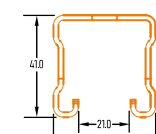
Slots 12 wide x 30 long
at 50mm centres (approx.)



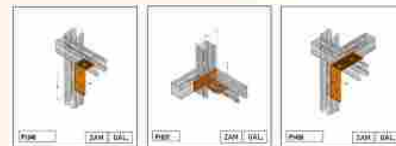
U21*21
Material : steel, stainless steel, ZAM. t=1.02, 1.2, 1.5 mm
Finishing : Powder coating or mill
Hole : Non



Slots 12 wide x 30 long
at 50mm centres (approx.)



WALL SUPPORT
Material : steel, stainless steel, ZAM t=2.0, 2.5 mm
Finishing : Powder coating or mill
Hole size : Non



Chanel fittings
Material : steel, stainless steel, ZAM t=4.0, 5.0 mm
Finishing : Powder coating or mill



Slots D12
at 50mm centres (approx.)



Slotted tube
Material : Hot deep gal. steel, stainless steel, ZAM t=2.0, 2.5 mm
Finishing : Powder coating or mill
Hole size : D12 - 50mm

THANK YOU !

CONTACT US : kinhdoanh@nsca.vn

