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SPIRAL DUCT AND ROUND FITTINGS

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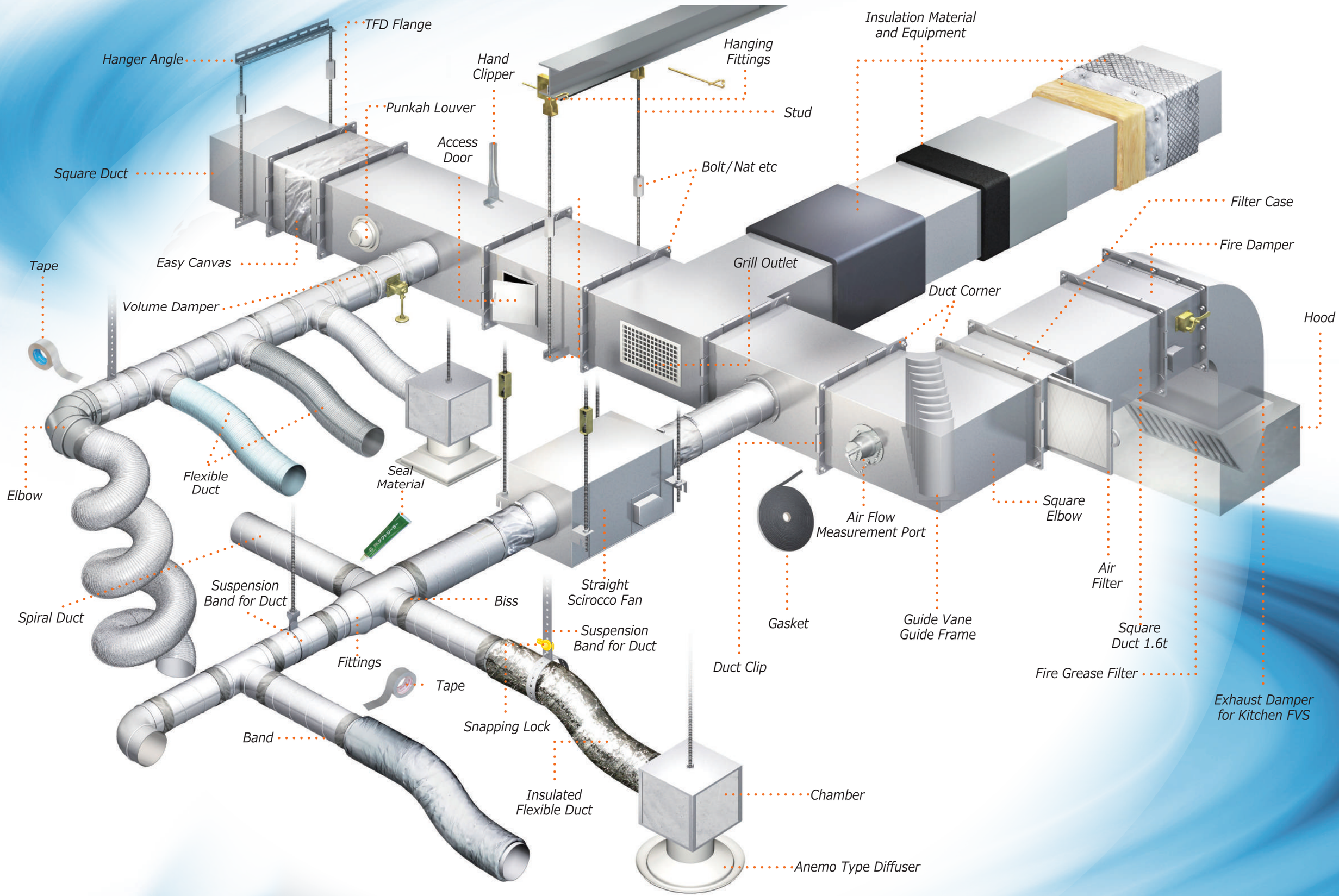


SPIRAL DUCT

■Basic specification of Spiral Duct (Outline)

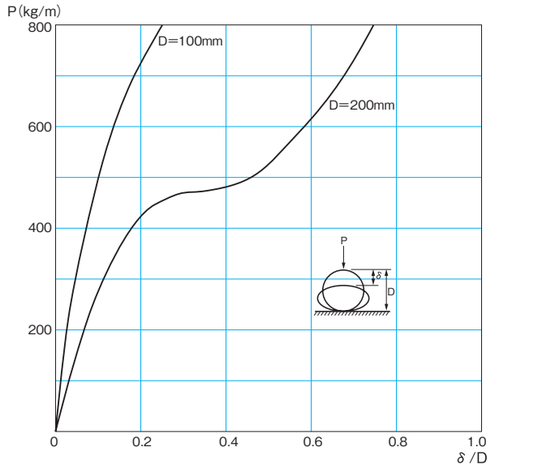
Nominal size is based on inner diameter. Tolerance between thickness and inner diameter of straight low pressure duct are as follows:

Unit (mm)

Nominal size	Basic plate thickness	Tolerance of nominal size
～ 450	0.5	0～+2
451 ～ 710	0.6	0～+2
711 ～ 1000	0.8	0～+2
1001 ～ 1250	1.0	0～+2
1251 ～ 1600	—	0～+2

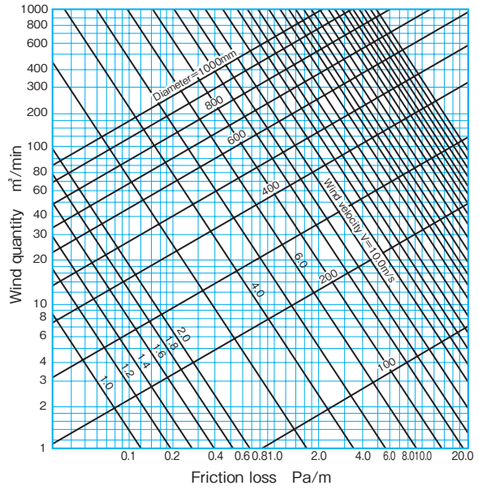
■Technical data of Spiral Duct

Strain chart due to external pressure



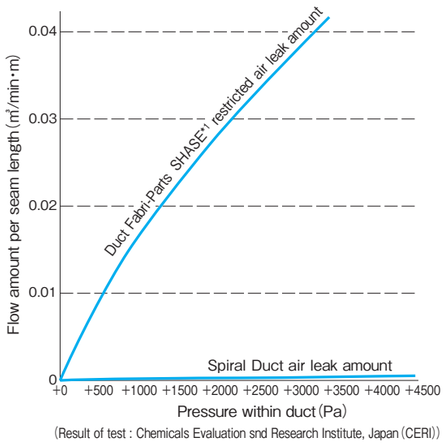
Sign : D = Duct diameter (mm)　δ = Deformation (mm)　P = Load weight (kg/m)

Diagram of friction loss



Air volume

(1) Pressure test



(Result of test : Chemicals Evaluation snd Research Institute, Japan (CERI))

*1:The Society of Heating, Air Conditioning and Sanitary of JAPAN

(2) Pressure resistance test

Pressure resistance data

Nominal size φ (mm)	Plate thickness (mm)	Length (mm)	Outlook (Pa)
400	0.5	4000	No irregularity Upto -2500
600	0.6	4000	No irregularity Upto -2900
800	0.8	4000	No irregularity Upto -3100
1000	1.0	4000	No irregularity Upto -6500

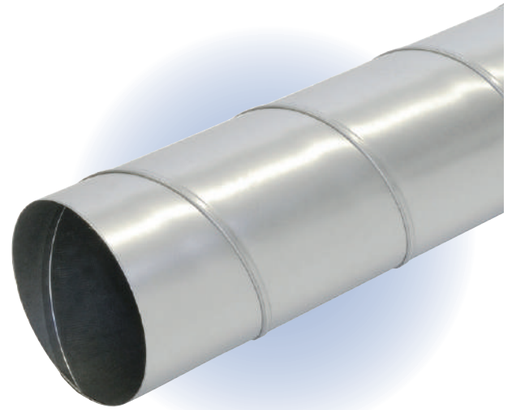
Spiral Duct (Zinc Steel Plate)

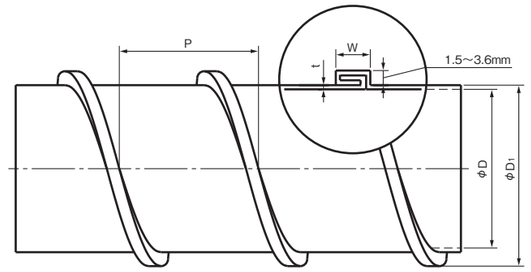
●Material
Zinc z-18

●Thickness
0.5mm～1.2mm

●Size
φ75～φ600 every / 25mm pitch
φ601～φ1600 every / 50mm pitch

●Special feature
・Mainly used for HVAC use.





Unit (mm)

Ministry of land, infrastructure and transport specifications (year 2019 issued)		
Width of seam fold (W)	Pitch of seam (P)	
	～φ100	φ125～φ1250
Over 4.0	～125	～150

Nominal size φD (mm)	Thickness t (mm)	Outer dimension (mm) W	P	D1	Weight (kg/m)
75	0.5	6.5	132 ※	77.5	1.4
100	0.5	6.5	122	102.5	1.61
	0.6	6.5	122	103.0	1.91
	0.8	6.5	122	104.0	2.53
125	0.5	6.5	140	127.5	2.01
	0.6	6.5	140	128.0	2.39
	0.8	6.5	140	129.0	3.16
150	0.5	6.5	140	152.5	2.40
	0.6	6.5	140	153.0	2.87
	0.8	6.5	140	154.0	3.79
175	0.5	6.5	135	177.5	2.80
	0.6	6.5	135	178.0	3.35
	0.8	6.5	135	179.0	4.42
200	0.5	6.5	135	202.5	3.19
	0.6	6.5	135	203.0	3.83
	0.8	6.5	135	204.0	5.06

※Can be manufactured under 125mm(P)

Nominal size φD (mm)	Thickness t (mm)	Outer dimension (mm) W	P	D1	Weight (kg/m)
225	0.5	6.5	135	227.5	3.60
	0.6	6.5	135	228.0	4.31
	0.8	6.5	135	229.0	5.69
250	0.5	6.5	135	252.5	4.0
	0.6	6.5	135	253.0	4.79
	0.8	6.5	135	254.0	6.33
275	0.5	6.5	135	277.5	4.40
	0.6	6.5	135	278.0	5.27
	0.8	6.5	135	279.0	6.96
300	0.5	6.5	135	302.5	4.80
	0.6	6.5	135	303.0	5.75
	0.8	6.5	135	304.0	7.59
325	0.5	6.5	135	327.5	5.20
	0.6	6.5	135	328.0	6.24
	0.8	6.5	135	329.0	8.25
350	0.5	6.5	135	352.5	5.60
	0.6	6.5	135	353.0	6.72
	0.8	6.5	135	354.0	8.87

SPIRAL DUCT

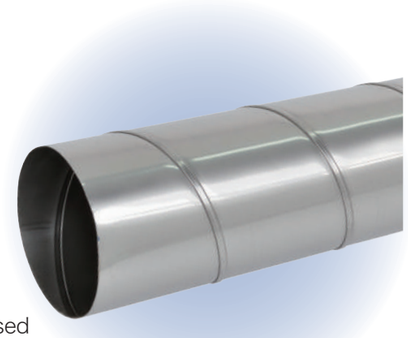
Spiral Duct (Stainless Steel Plate)

●**Material**
Stainless Steel Plate

●**Thickness**
0.5mm～0.8mm

●**Size**
ϕ75～ϕ600 every 25mm pitch
ϕ601～ϕ1300 every 50mm pitch

●**Special feature - usage**
- Excellent corrosion and heat resistance
- Useful for petroleum(oil), chemical and pulp factory
- Useful for hospital and research ducts
- Ducts for use in factories by seaside areas, medicine and gas - used
- Ducts for use factory flue, pool and sewage treatment plants



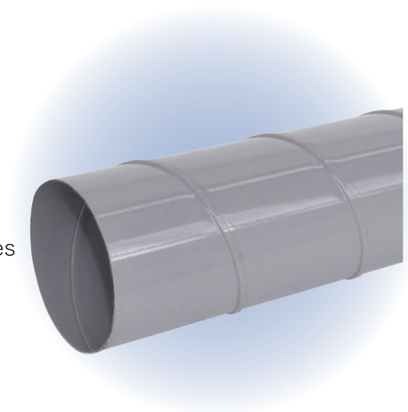
Spiral Duct (Poly Vinyl Chloride Steel Plate)

●**Material**
Poly vinyl chloride covered steel plate

●**Thickness**
0.5mm～0.8mm

●**Size**
ϕ75～ϕ600 every 25mm pitch
ϕ601～ϕ1300 every 50mm pitch

●**Special feature - usage**
- Excellent corrosion and heat resistance various corrosive gases
- Apartment building(complex) and toilet ventilation
- Ducts for chemical factories
- Ducts for water and sewage treatment plants



Spiral Duct (Corrosion Resistance Alloy Galvalume Steel Plate)

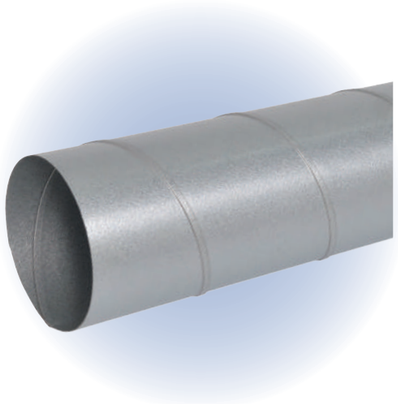
●**Material**
Corrosion resistance alloy galvalume steel plate

●**Thickness**
0.5mm～0.8mm

●**Size**
ϕ75～ϕ600 every 25mm pitch
ϕ601～ϕ1000 every 50mm pitch

●**Special feature - usage**
- Aluminum, zinc, silicon, origin, aluminum galvanized steel sheet
- Excellent endurance better than Zinc Steel Plate
- Useful for outdoors, bay area and indoor pool institution

※Also, Super Dima and Ribbed Spiral Ducts are available.



ROUND FITTINGS

■Specifications of Round Fittings

●**Material :** Zinc Steel Plate, Stainless Steel Plate, poly vinyl Chloridized Steel Plate
Corrosion proof alloy galvalume steel plate, high corrosion resistance coated steel sheet.

●**Specifications** (Nominal size is of basic outside diamiter)

Tolerance and Thickness Unit (mm)

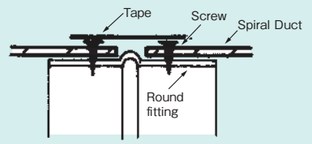
Nominal size ϕD	Tolerance	Thickness
～ 315	-1.2～-1.9	0.6
316 ～ 710	-1.2～-1.9	0.8
711 ～ 1000	-2.0～-2.2	1.0
1001 ～ 1250	-2.0～-2.2	1.2
1251 ～ 1600	-2.0～-3.0	1.2

Insert Length Unit (mm)

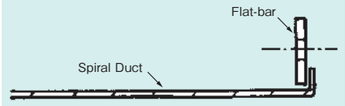
Nominal size ϕD	Insert Length
75～300	10
325～1600	13 ～

■Connecting Method

Insert Type

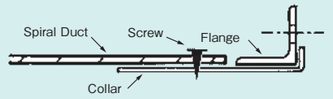


Flange Type (Flat-bar)



Best for dust collection use due is of direct fold of Spiral Duct.

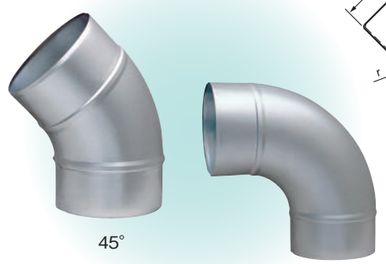
Flange Type

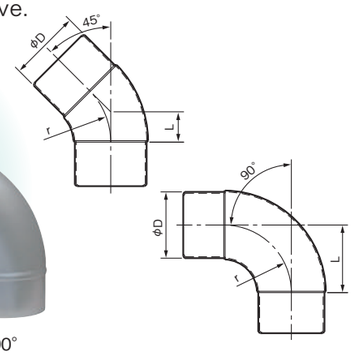


Cling Flange and fixed Collar to Spiral Duct making Flange in loose condition.

Elbow (Pressed) 45° / 90°

●Elbow use for pipe bend/curve.
●**Size:** ϕ75～ϕ200





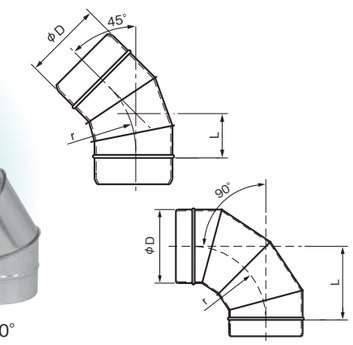
Unit (mm)

	Nominal size ϕD	L	r
45°	75	37	75
	100	41.4	100
	125	60	125
	150	62.1	150
	175	82	175
	200	82.8	200
90°	75	75	75
	100	100	100
	125	125	125
	150	150	150
	175	175	175
	200	200	200

※(L) measure is TK supecification.

Elbow 45° / 90°

●Used for bending pipes.
●**Size:** ϕ75～ϕ1000



Unit (mm)

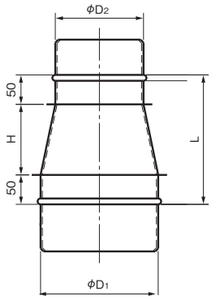
	Nominal size ϕD	L	r
45°	225	95	225
	250	100	250
	275	110	275
	300	120	300
	325	130	325
	350	140	350
90°	225	225	225
	250	250	250
	275	275	275
	300	300	300
	325	325	325
	350	350	350

ROUND FITTINGS

R Pipe (Reducer)

●Fitting for change the duct size.

●**Size:** ϕ75～ϕ1000



L =2 (D1−D2) +100
H=2 (D1−D2)

Unit (mm)

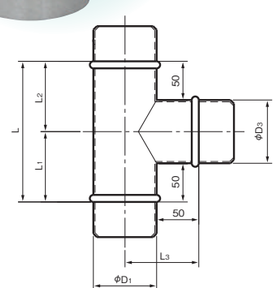
Nominal size		L
ϕD1	D2	
100	75	150
125	75	200
	100	150
150	75	250
	100	200
	125	150
175	75	300
	100	250
	125	200
	150	150
200	75	350
	100	300
	125	250
	150	200
	175	150
225	75	400
	100	350
	125	300
	150	250
	175	200
	200	150

Nominal size		L
ϕD1	D2	
250	100	400
	125	350
	150	300
	175	250
	200	200
	225	150
275	100	450
	125	400
	150	350
	175	300
	200	250
	225	200
	250	150
300	100	500
	125	450
	150	400
	175	350
	200	300
	225	250
	250	200
	275	150

T Pipe

●Fitting to diverge air flow in two directions.

●**Size:** ϕ75～ϕ1000



L =D3+100
L1=0.5D3+50
L2=0.5D3+50
L3≒0.5D1+50

Unit (mm)

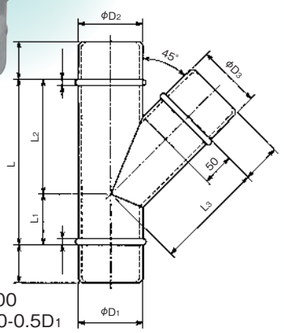
Nominal size		L	L3
ϕD1	D3		
75	75	175	90
100	75	175	100
	100	200	100
125	75	175	115
	100	200	115
	125	225	115
150	75	175	125
	100	200	125
	125	225	125
	150	250	125
175	75	175	140
	100	200	140
	125	225	140
	150	250	140
	175	275	140
200	100	200	150
	125	225	150
	150	250	150
	175	275	150
	200	300	150
225	100	200	165
	125	225	165
	150	250	165
	175	275	165
	200	300	165

Nominal size		L	L3
ϕD1	D3		
225	225	325	165
250	100	200	175
	125	225	175
	150	250	175
	175	275	175
	200	300	175
	225	325	175
	250	350	175
275	100	200	190
	125	225	190
	150	250	190
	175	275	190
	200	300	190
	225	325	190
	250	350	190
	275	375	190
300	100	200	200
	125	225	200
	150	250	200
	175	275	200
	200	300	200
	225	325	200
	250	350	200
	275	375	200
	300	400	200

Y Pipe

●Fitting to diverge air flow in two directions.

●**Size:** ϕ75～ϕ1000



L =1.6D3+100
L1=0.8D3+50-0.5D1
L2=0.8D3+50+0.5D1
L3≒0.5D3+50+0.71D1

Unit (mm)

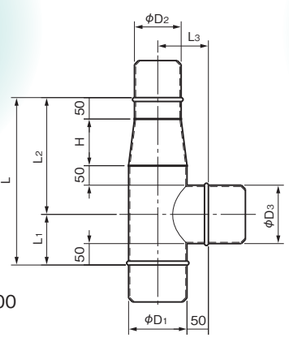
Nominal size		L	L1	L2	L3
ϕD1	D3				
75	75	220	72.5	147.5	140
100	75	220	60.0	160.0	160
	100	260	80.0	180.0	170
125	75	220	47.5	172.5	180
	100	260	67.5	192.5	190
	125	300	87.5	212.5	205
150	75	220	35.0	185.0	195
	100	260	55.0	205.0	210
	125	300	75.0	225.0	220
	150	340	95.0	245.0	235
175	75	220	22.5	197.5	215
	100	260	42.5	217.5	225
	125	300	62.5	237.5	240
	150	340	82.5	257.5	250
	175	380	102.5	277.5	265
200	100	260	30.0	230.0	245
	125	300	50.0	250.0	255
	150	340	70.0	270.0	270
	175	380	90.0	290.0	280
	200	420	110.0	310.0	295
225	100	260	17.5	242.5	260
	125	300	37.5	262.5	275
	150	340	57.5	282.5	285
	175	380	77.5	302.5	300
	200	420	97.5	322.5	310

Nominal size		L	L1	L2	L3
ϕD1	D3				
225	225	460	117.5	342.5	325
250	100	260	5.0	255.0	280
	125	300	25.0	275.0	290
	150	340	45.0	295.0	305
	175	380	65.0	315.0	315
	200	420	85.0	335.0	330
	225	460	105.0	355.0	340
	250	500	125.0	375.0	355
275	100	260	-7.5	267.5	295
	125	300	12.5	287.5	310
	150	340	32.5	307.5	320
	175	380	52.5	327.5	335
	200	420	72.5	347.5	345
	225	460	92.5	367.5	360
	250	500	112.5	387.5	370
	275	540	132.5	407.5	385
300	100	260	-20.0	280.0	315
	125	300	0.0	300.0	325
	150	340	20.0	320.0	340
	175	380	40.0	340.0	350
	200	420	60.0	360.0	365
	225	460	80.0	380.0	375
	250	500	100.0	400.0	390
	275	540	120.0	420.0	400
	300	580	140.0	440.0	415

RT Pipe

●Fitting to diverge air flow in two directions by complex R Pipe-T Pipe, change the duct size at the same time.

●**Size:** ϕ75～ϕ1000

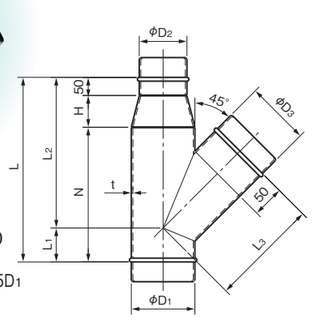


L =D3+2(D1-D2)+150
L1=0.5D3+50
L2=0.5D3+2(D1-D2)+100
L3=0.5D1+50
H=2(D1-D2)

RY Pipe

●Fitting to diverge air flow in two directions by complex R Pipe-Y Pipe, change the duct size at the same time.

●**Size:** ϕ75～ϕ1000



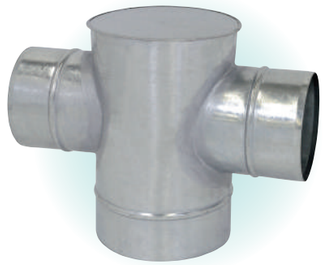
L =1.6D3+2(D1-D2)+150
L1=0.8D3+50-0.5D1
L2=0.8D3+2(D1-D2)+100+0.5D1
L3=0.5D3+50+0.71D1
H=2(D1-D2)
N=1.6D3+100

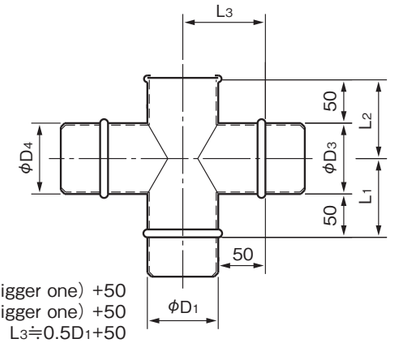
ROUND FITTINGS

WTM Pipe

●Fitting to diverge air flow in 3 directions, closed one direction by complex pipe of 2 T Pipe and Cap.

●**Size:** ϕ75～ϕ1000





L1≒0.5(D3D4 of bigger one) +50
L2≒0.5(D3D4 of bigger one) +50
L3≒0.5D1+50
L4≒0.5D1+50

Unit (mm)

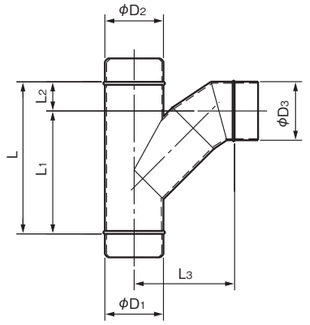
φD3,D4 of bigger one	L1,L2
100φ	100
125	115
150	125
175	140
200	150
225	165
250	175
275	190
300	200
325	215
350	225
375	240
400	250
450	265

D1	L3,L4
100	100
125	115
150	125
175	140
200	150
225	165
250	175
275	190
300	200
325	215
350	225
375	240
400	250
450	265

TY Pipe

●Fitting to diverge air flow in 2 directions by complex pipe, T Pipe and Y Pipe.

●**Size:** ϕ75～ϕ1000



L≒1.6D3+100
L1≒1.505D3+50
L2≒0.095D3+50
$L3 \fallingdotseq \frac{D1}{2} + 1.202D3$

* For under ϕ150 of D3 is $L3 = \frac{D1}{2} + \alpha$

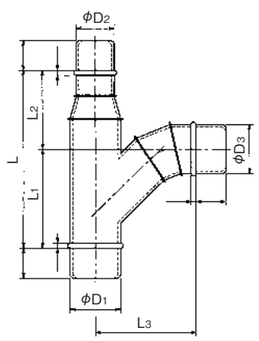
Unit (mm)

φD3	75	100	125	150
α	125	150	175	200

RTY Pipe

●Fitting to diverge air flow in 2 directions by complex pipe of R Pipe and T Pipe and Y-Pipe,changing the duct size same time.

●**Size:** ϕ75～ϕ1000



L≒1.6D3+2(D1-D2)+150
L1≒1.505D3+50
L2≒0.095D3+2(D1-D2)+100
$L3 \fallingdotseq \frac{D1}{2} + 1.202D3$

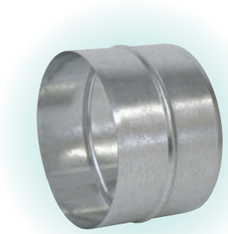
* For under ϕ150 of D3 is $L3 = \frac{D1}{2} + \alpha$

Unit (mm)

φD3	75	100	125	150
α	125	150	175	200

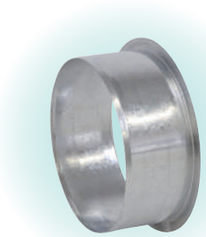
Nipple

●Use for connection of Spiral Duct against each other.



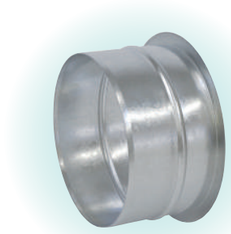
Collar

●Use at connecting Spiral Duct from Rectangular Duct etc.



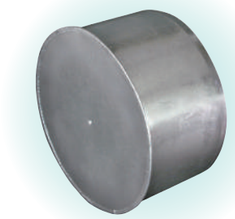
Collar Nipple

●Composite fitting of Collar and Nipple.



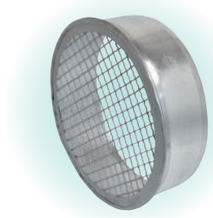
Cap

●Use for Spiral Duct etc., pipe closing section.



Net Attached Cap

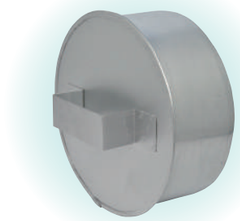
●Attached to the Cap. Choose from the net size.



*Bird protect net: 10mm mesh / Insect protect net: 16mesh.

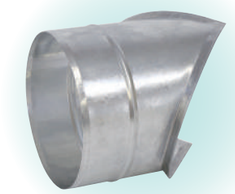
Handle Attached Cap

●Attached to the Cap, easy to remove.



Offset

●Taking at branch directly from Round Pipe.



Notching Collar

●Using as same as Collar.
●Don't need to fix with bis-stop.
●Connect with raising nail.

Spin Collar

●Use installing Round Duct from Rectangular Duct. Able to install without using spot or weld.

RELATED PRODUCTS

Hang Band with Hole

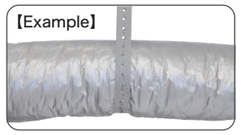
●Hanging Band for Spiral Duct and Flexible Duct.

Type number	Thickness(mm)	Material	Length(m)
B5-60C	0.5	Zinc	60
B6-30C	0.6	Zinc	30
B6-30CS	0.6	Stainless	30
B8-30C	0.8	Zinc	30
B8-60(without case)	0.8	Zinc	60

Wide Band

●Hanging Band for Insulated Flexible Duct.
●Polyethylene material is recyclable.

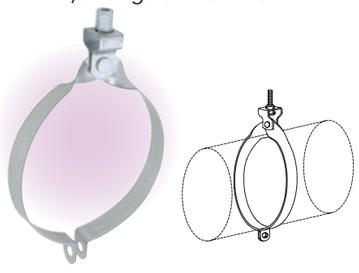
Type number	Thickness(mm)	Material	Length(m)
WB-50	1.0	HDPE(High Density Polyethylene)	50



Because of the width it is not easy to damage to the flexible duct.

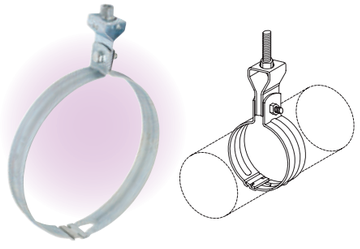
Twist Band

●Hanging Band for Spiral Duct.
●Tighten at upper part with bolt and nut.
●Useful in case of height work and/or large caliber duct.



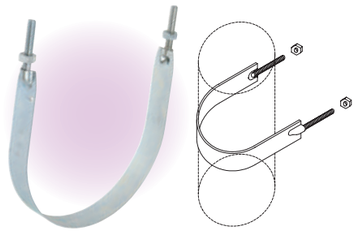
D Band

●Hanging Band for Spiral Duct.
●Tighten at lower section with bolt and nut.



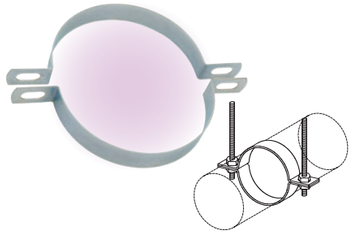
U Band

●Use at fixing Spiral Duct vertical pipe to bracket.



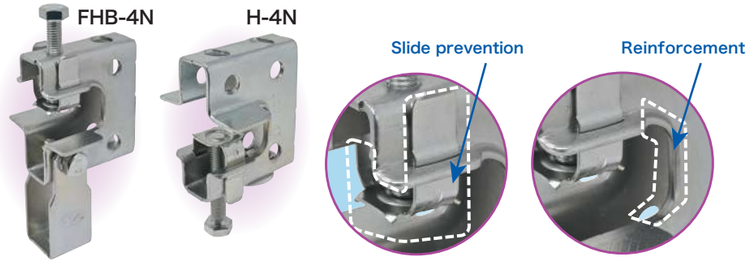
Double Divided Band

●Use at double band of Spiral Duct.
●Mainlly for large caliber use.



Super TSUYOSHI

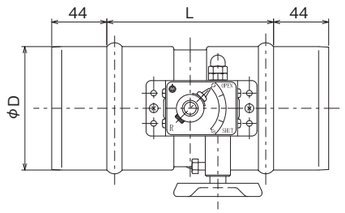
●Hang fit metal with slide prevention metal.
●Double intensity of usual article (company's comparison).



ROUND DUMPER

Volume Dumper (Worm type) VD

●Able to adjust air volume without stage limitation by round handle.



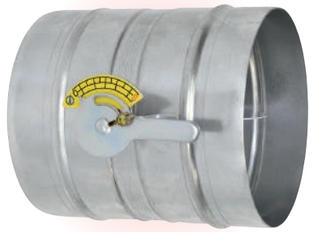
Unit (mm)

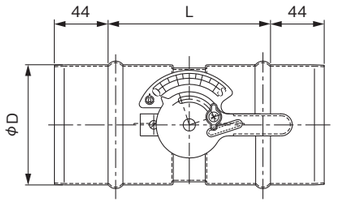
Nominal size D	L
100～200	132
225～300	212
325～350	262
375～400	312
425～450	362
475～500	412

*Photograph and Measure Plan is up to φ300 method(means)
*Over φ375 will be an open and shut switch of VD-2C.
*The open and shut switch plan is VD-3C.

Volume Dumper-RIA (Guide type) VD-RIA

●Adjust air volume amount by wing nut.



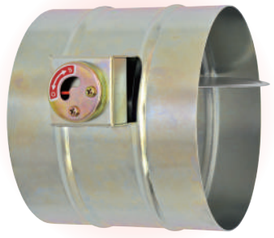


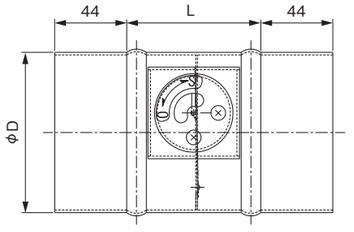
Unit (mm)

Nominal size D	L
100～200	132
225～300	212

Chuck Dumper-RIA CD-RIA

●Dumper to prevent reverse air flow by flowing air from one direction.





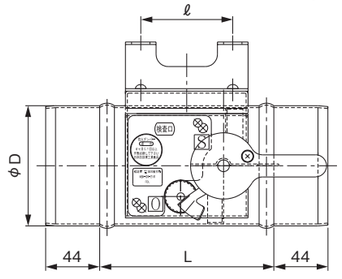
Unit (mm)

Nominal size D	L
100～200	82
225～350	112
375～400	312
425～450	362

*With open and shut confirm pointing needle
*Over φ375 will be weight attached pointing needle.

Fire Dumper FDL-RIO

●Will shut down and weld cut off heat fuse when an air temperature rise at fire outbreak.



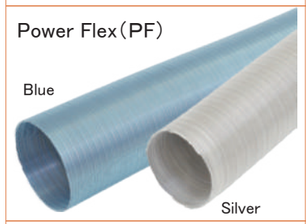
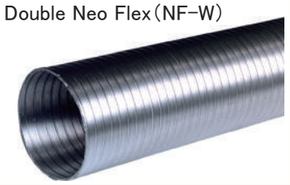
Unit (mm)

Nominal size D	L	ℓ
100～200	142	75
225～300	212	75
325～350	262	166

Conform to JAPAN FIRE AND SOMKE PREVENTION SYSTEM ASSOCIATION

METAL SYSTEM FLEXIBLE DUCT

The numerical value is not of guaranteed value.

Commodity / Photograph	Structure	Specifications			
Neo Flex(NF) 	Aluminum (Non inflammable material)	Temperature application	−20℃～200℃	Maximum static pressure	+500Pa
		Size	●φ75～φ400(25 pitch) ●Longest stretch length ≒ 3m		
		Usage	●HVAC use ●Low pressure use		
		Feature	●Standard type ●Keeps shape with easy bendings by free stretch. ●Fit for carry-in, storage due is compact pressed.		
Power Flex(PF) 	Aluminum (Non inflammable material)	Temperature application	−20℃～200℃	Maximum static pressure	+500Pa
		Size	●φ100～φ400(25 pitch) ●Longest stretch length ≒ 3m		
		Usage	●HVAC use ●Low pressure use		
		Feature	●Has about 3 times intensity of Double Neo Flex. (Company's comparison) ●Keeps shape with easy bendings by free stretch. ●It's compact and easy to carry in store. ●Choice from 2 colors, silver or blue.		
Double Neo Flex(NF-W) 	Aluminum / Double structure (Non inflammable material)	Temperature application	−20℃～200℃	Maximum static pressure	+500Pa
		Size	●φ100～φ400(25 pitch) ●Longest stretch length ≒ 3m		
		Usage	●HVAC use ●Low pressure use		
		Feature	●Has over 3 times intensity of Double Neo Flex with double structure. (Company's comparison) ●Keeps shape with easy bendings by free stretch.		
Miles Flex(MF) 	Galvanized plate (Non inflammable material)	Temperature application	−20℃～200℃	Maximum static pressure	+500Pa
		Size	●φ75～φ400(25 pitch) ●Longest stretch length ≒ 3m		
		Usage	●HVAC use ●Low pressure use		
		Feature	●Excellent heat resistance / fire resistance ●Keeps shape with easy bendings by free stretch.		
		Product authorization	●Product authorization-Inflammable Recognition : NM-8500		
Sus Flex(SUS-F) 	Stainless (SUS 304) (Non inflammable material)	Temperature application	−20℃～400℃	Maximum static pressure	+500Pa
		Size	●φ100～φ400(25 pitch) ●Standard length 2m		
		Usage	●HVAC use ●Low pressure use		
		Feature	●Excellent heat resistance / fire resistance ●Strong against rust due of stainless steel. ●CAUTION....Unable to stretch.		
		Product authorization	●Product authorization-Inflammable Recognition : NM-8499		
Wire-Aluminum (ALUDEC 270) 	Aluminum Foil, Polyester, Steel Wire	Temperature application	−30℃～200℃	Maximum static pressure	+2500Pa
		Size	●ALUDEC112 : φ 50 ●Standard length 10m ●ALUDEC270 : φ 75～φ350(25 pitch) ●Standard length 10m φ400～φ600(50 pitch)		
		Usage	●HVAC use ●Low pressure use		
		Feature	●High intensity by 5-layer laminate structure is made of "aluminum 3-layer" and "polyester double layer". ●Able to adjust length easily by plier or cutter. ●Excellent in flexibility. ●Will be compact up to 0.8m put in a box.		
		Product authorization	●Product authorization-Non inflammable Recognition : ALUDEC112…NM-3443 ●Product authorization-Non inflammable Recognition : ALUDEC270…NM-3445		

※ Non inflammable Recognition Evidence became unnecessary for Aluminum Non inflammable Materials by establishment of Ministry Of Construction Notice #1400 on May30th year 2000
※ For usage of NF, PF, NF-W.MF large size, stretch from products center(core). CAUTION....Holding BOTH ENDS stretching may create loose/come-off of seam.

INSULATED FLEXIBLE DUCT

The numerical value is not of guaranteed value.

Commodity / Photograph	Structure		Specifications	
HH-F214 	Cover material	Glass fiber net / Aluminum / PET film	Use heat area	−29℃～60℃※1
	Insulating material	J.M Glass wool (Non Formaldehyde) 17.1kg/m³×t28.6	Size	φ100～φ300(25 pitch) φ350・φ400
			Usage	General air condition use / Heat insulated type
			Maximum static pressure	＋1500Pa (～φ300) ／ ＋1000Pa (φ350～)
	Core	Wire / PET film	Certification	Product authorization-Non inflammable Recognition : φ100,φ125:NM-2686 over φ150:NM-4991 F☆☆☆☆ : MFN-2553
HH24-ACNN 	Cover material	Polyethylene film	Use heat area	−10℃～60℃
	Insulating material	Glass wool 24kg/m³×25t	Size	φ100～φ400(25 pitch)
			Usage	General air condition use / Heat insulated, Silencer equipped type
			Maximum static pressure	+500Pa
	Core	Wire, Non-woven (Polyester)	Certification	Product authorization-Non inflammable Recognition : NM-1235 F☆☆☆☆ : MFN-2568

※1 Use heat area, Maximum static pressure are maker's recommended value.

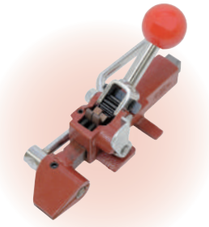
Steel Tightening Band

●Used for tightening connection parts such as insulation flexible duct.

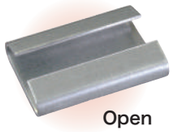
13mm 16mm

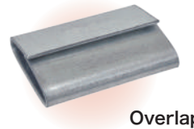
Product name	Material	Thickness (mm)	Width (mm)	Length (m)
Steel Tightening Band	Zinc	0.4	13	100
	Stainless	0.4		100
	Zinc	0.4	16	100
	Stainless	0.4		100

Utility Binding Machine



Band Seal


Open


Overlap

Product name	Material	Quantity (pcs)
Band Seal (Open)	Zinc	1000
	Stainless	1000
Band Seal (Overlap)	Zinc	1000
	Stainless	1000

Installation Photo

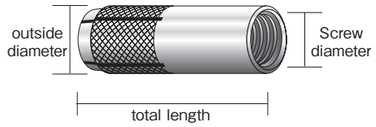
ANCHOR

- The expansion is mechanically opened in a hole drilled in the base material.
- The metallic anchors to be fixed and the adhesive to be filled are hardened by chemical reactions.
- This is a product that physically secures the fixing part.

Internal cone driving system

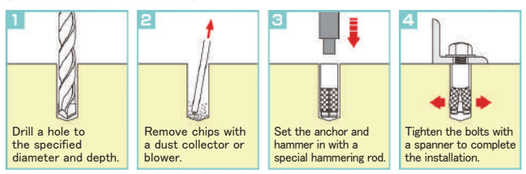
Base Material : concrete/stone

- It has an excellent pull-out strength.
- The outer diameter of collar is thinner than the diameter of internal screw, so the diameter of preliminary hole is small.
  It improves the workability and makes easy to upward construction.
- This is internal cone support.
  Rid off the loss cones during work and falling out after installation.



UC-3030B (with lips)

[Installation Method]



UCbucket set

(pcs)

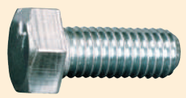
Product Set No.	Anchor product No.	Pre-drill	Driving rod
UB-09	UC-3030B (500)	UX12.5 (2)	SD-30S (1)

JCAA Product Certification Mark
Products with a certification mark indicate that they meet the evaluation and certification criteria set by the Japan Construction Anchor Association.

UC type, W screw (unichrome plating)

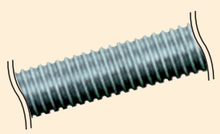
Model No.	Screw diameter	Outer diameter (mm)	Total length (mm)	Screw length (mm)	Preliminary hole diameter(mm)	Embedment depth (mm)	Small box Qty. (pcs)	Large box Qty. (pcs)
UC-2025	W1/4	8.0	25	10	8.5	25	100	1000
UC-2530	W5/16	10.0	30	13	10.5	30	100	1000
UC-3030B	W3/8	12.0	30	12	12.5	30	100	1000
UC-4050	W1/2	16.0	50	20	16.5	50	50	500

Product name	Material	Size(mm)	Quantity(pcs)	
			Small Box	Large Box
Bolt(hexagonal)	Plating	M8/20	300	3000
		M8/25		2100
		W3/8×20	200	1400
		W3/8×25	250	1500
		W3/8×32	200	1200
		W1/2×25	100	700
		W1/2×32		900
	Stainless	M8/20	200	1600
		M8/25		
		M8×30		
		W3/8×20	100	1200
		W3/8×25		
		W1/2×25		600
		W1/2×32		



Product name	Material	Size	Quantity(pcs)	
			Small Box	Large Box
Nat(hexagonal)	Plating	W3/8	300	3000
		W1/2	150	1500
		M8	600	6000
		M10	300	3000
		M12	200	2000
	Stainless	W3/8	300	2400
		W1/2	150	1200
		M8	600	4800
		M10	300	2400
		M12	200	1600

Product name	Material	Size(mm)	Quantity(pcs)
Full Thread It's headless screw thread.	Plating	W3/8×1000	50
		W3/8×1500	25
		W3/8×2000	
		W3/8×2500	20
		W3/8×3000	
		W1/2×1000	25
		W1/2×1500	15
		W1/2×2000	
		W1/2×2500	10
		W1/2×3000	
		M10×2000	25
		M10×3000	20
	Stainless	W3/8×1000	50
		W3/8×1500	25
		W3/8×2000	
		W3/8×3000	20
		W1/2×1000	30
		W1/2×1500	15
		W1/2×2000	
		W1/2×3000	10



SCREW / SEALING TAPE

One-Touch Screw

Don't need to make
a preparation hole.

[Construction example]

Product name	Material	Size(mm)	Quantity(pcs)	
			Small box	Large box
MB Tex	Trivalence Plating	M4×13	1000	10000
		M4×16		
		M4×19		
	SUS	M4×13		
		M4×16		
		M4×19		
Duct Damba Screw	Trivalence Plating	M4×13	1000	10000
		M4×16		
		M4×19		
	SUS	M4×13		
		M4×16		
		M4×19		
Pierce Screw	Trivalence Plating	M4×13	1000	10000
		M4×16		
		M4×19	700	7000
	SUS	M4×13	1000	10000
		M4×16		
		M4×19	700	7000

Aluminum Tape

Was applied acrylic adhesive on an aluminum foil tape.
It has excellent heat, corrosion, weather, and moisture resistance,
it's able to overlapping.

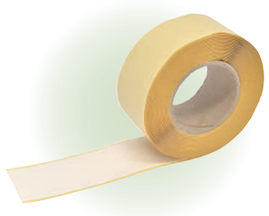
Product name	Specification	Size(mm×m)	Quantity(rolls)
Aluminum Tape	No luster	50×50	30
		75×50	18
		100×50	12

Duct Tape

Naural rubber-band adhesive coated on poly-coated cloth.
Can be applied in layers. It has excellent elasticity and does not
wrinkle easily.

Product name	Size(mm×m)	Quantity(rolls)
Inter tape	48×25	30
	48×50	24
Cloth Duct tape	50×25	30

Kitchen Tape



This is Fukagawa original tape.
It's useful for fluids containing water like kitchen, exhaust ducts
and hood.

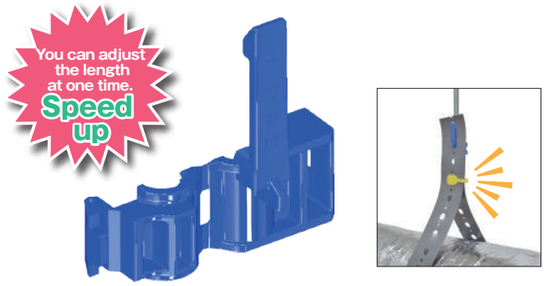
Approved by the Minister of Land Infrastructure and Transport Non combustible material : NM-4425-1

Product name	Thickness(mm)	Size(mm×m)	Collar	Quantity(rolls)
Kitchen tape	1.0	40×5	White	32

SNAPPING SERIES パッチン

Snapping Hook

Useful for fitting with full thread.

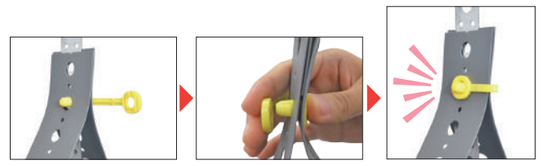


Material	Use temperature range(℃)	Allowable static load(N)
PA66 (Nylon)	-10～60	50
Supported band	Supported screw diameter	Quantity (pcs/bag)
Wide Band	3/8 Full Thread	100

※You can use for only insulated flexible duct.

Snapping Lock

You can use snapping with three fingers easily.



Material	Use temperature range(℃)	Allowable static load(N)
PA66 (Nylon)	-10～60	50
Supported band	Supported thickness(mm)	Quantity (pcs/bag)
Wide Band	2～3	200

※You can't use it with only metallic perforated band.

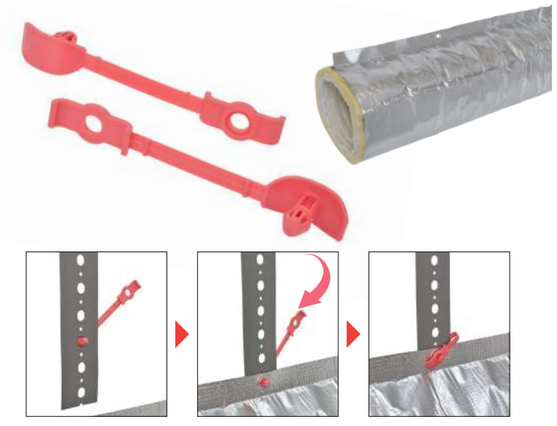
Snapping Anchor

You can use it instead of a full thread.
Construction can be done quickly.

Material	Use temperature range(℃)	Allowable static load(N)
PA66 (Nylon)	-10～60	20
Supported band	Supported Anchor	Quantity (pcs/bag)
Wide Band	3/8 Short anchor	200

Snapping Pink

You can use it with Dragon high-hose, too.



Material	Use temperature range(℃)	Allowable static load(N)
PA66 (Nylon)	-10～60	50
Corresponding band	Supported Thickness(mm)	Quantity (pcs/bag)
Wide Band	2～3	200