Installation Materials for

Air-Conditioners

INABA DENKO

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INABA DENKO

Trunking System Anthracite Gray

SLIMDUCT A-GRAY

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Trunking System (For Residential Use)

SLIMDUCT™ SD

Beauty

Beautiful Finish

Professional

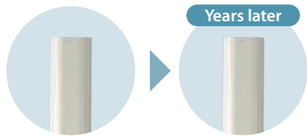
The perfect system SLIMDUCT SD with various fittings will conceal, beautify and protect exposed piping and is suitable for any Split Air Conditioners.

Before After

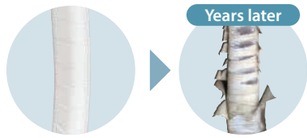
Protective

SLIMDUCT SD is constructed from a special high grade PVC for superior UV and weather resistance, protecting piping from the elements, vandalism and pest damage.

SLIMDUCT SD



Taping Installation



Variety

Wide Range of Variation

Color

5 colors to suit any color scheme.
Paintable to match or compliment custom colors. Follow paint manufacturer's recommendations for vinyl products

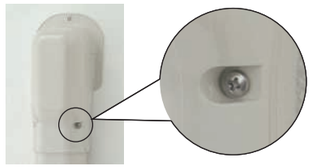
Long-awaited new colour Anthracite Grey is now available.
Anthracite Grey is an architecturally sympathetic colour, our anthracite grey goes well with outdoor units as well as any type of exterior wall.

Function

Excellent Performance

Quality Fasteners

All SLIMDUCT fittings include stainless steel screws to avoid rust and corrosion.

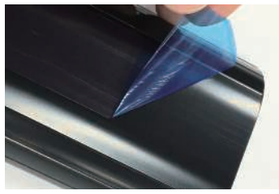


Workability

Punch out holes are located every 100mm, which enables convenient installation when mounting.

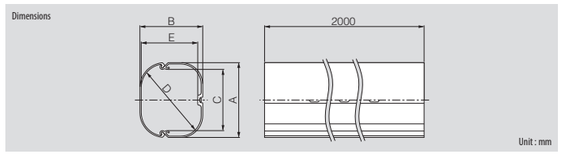
Protective Film

Slimduct Black and Brown come with a protective film to eliminate the possibility of visible scratches until the last moment the job is completed.



SD SLIMDUCT SD

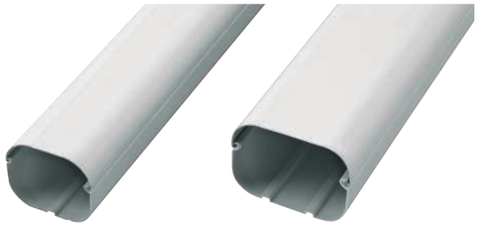
Straight trunking

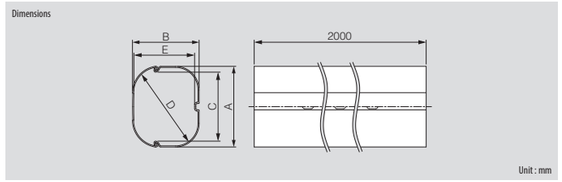


Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
SD- 77	□■■■■	75	63	60	76	56	15
SD-100	□■■■■	100	70	86	99	64	10
SD-140	□■ ■■	140	80	122	135	73	5

NSD NEO SLIMDUCT NSD

Straight trunking





Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
NSD- 77	□■	75	62	64	77	56	10
NSD-100	□■	100	70	84	100	64	10

SW WALL INLET (2 pieces)

Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg*
SW- 77	□■■■■	83	66	110	205	77	60(20, 10)
SW-100	□■■■■	110	74	128	223	86	10
SW-140	□■ ■■	146	84	166	280	98	5

*( ) shows quantities of Anthracite grey, White, Black, and Brown.
Quantities of 20...White, Black, and Brown. Quantity of 10...Anthracite grey.

SWA BASE-FREE WALL INLET (1 piece)

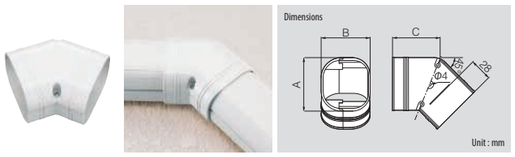
Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
SWA- 77	□■ ■■	80	65	117	205	77	20
SWA-100	□■	104	73	142	227	87	10

SK 90° FLAT ELBOW

Item No.	Color Variation	A	B	C	D	Pcs/Pkg*
SK- 77	□■■■■	81	66	128	20	60(20, 10)
SK-100	□■■■■	106	74	151	20	10
SK-140	□■ ■■	146	84	190	30	5

*( ) shows quantities of Anthracite grey, White, Black, and Brown.
Quantities of 20...White, Black, and Brown. Quantity of 10...Anthracite grey.

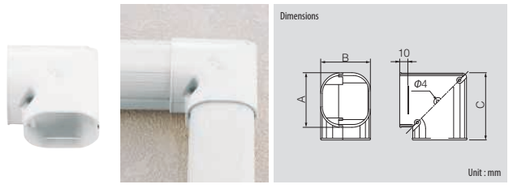
SKF 45° FLAT ELBOW



Item No.	Color Variation	A	B	C	Pcs/Pkg
SKF- 77	□■■■■	82	68	65	20
SKF-100	□■■■■	107	75	75	10
SKF-140	□■ ■■	147	85	92	5

Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

SKM 90° MINI FLAT ELBOW



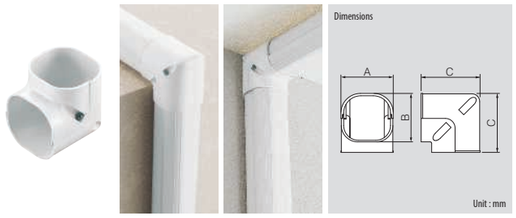
Item No.	Color Variation	A	B	C	Pcs/Pkg
SKM-77	□■ ■■	82	68	97	20

SC 90° VERTICAL ELBOW

Item No.	Color Variation	A	B	C	D	Pcs/Pkg*
SC- 77	□■■■■	81	67	100	20	60(20, 10)
SC-100	□■■■■	106	75	117	30	10
SC-140	□■ ■■	145	84	126	30	5

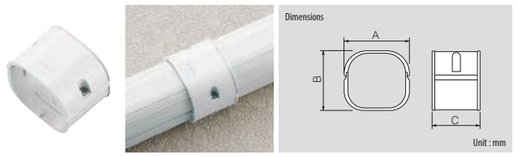
*( ) shows quantities of Anthracite grey, White, Black, and Brown.
Quantities of 20...White, Black, and Brown. Quantity of 10...Anthracite grey.

SCM 90° MINI VERTICAL ELBOW



Item No.	Color Variation	A	B	C	Pcs/Pkg
SCM-77	□■ ■■	82	68	82	20

SJ COUPLER

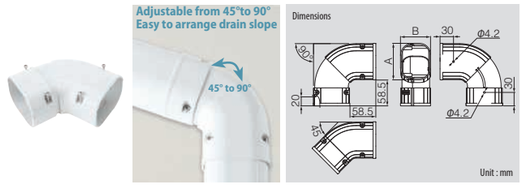


Item No.	Color Variation	A	B	C	Pcs/Pkg*
SJ- 77	□■■■■	85	67	50	60(20, 10)
SJ-100	□■■■■	109	75	66	20(10)
SJ-140	□■ ■■	146	84	90	10

*( ) shows quantities of Anthracite grey, White, Black, and Brown.
Quantities of 20...White, Black, and Brown. Quantity of 10...Anthracite grey.

SKS FREE (45° to 90°) FLAT ELBOW

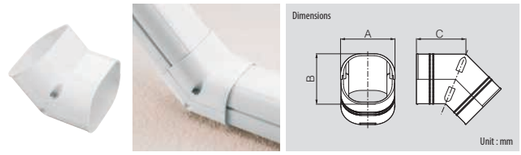
45° to 90° ELBOW



Item No.	Color Variation	A	B	Pcs/Pkg
SKS- 77	□■ ■■	81	67	10
SKS-100	□■	107	75	10

*Material . . . PVC

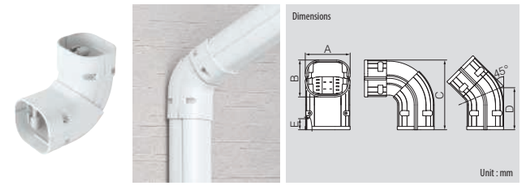
SCF 45° VERTICAL ELBOW



Item No.	Color Variation	A	B	C	Pcs/Pkg
SCF- 77	□■ ■■	82	68	61	20
SCF-100	□■ ■■	107	75	64	10
SCF-140	□■ ■■	147	85	67	5

SCS FREE (45° to 90°) VERTICAL ELBOW

45° to 90° ELBOW



Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
SCS- 77	□■	81	67	126	76	20	10
SCS-100	□■	106	75	134	82	20	10

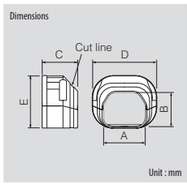
SP SOFFIT INLET

Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg*
SP- 77	□■■■■	81	67	110	130	100	(20, 10)
SP-100	□■■■■	106	74	135	137	107	10
SP-140	□■ ■■	146	84	175	147	117	5

*Material . . . ABS (77/140), PVC (100)
*( ) 10 shows quantities of Anthracite grey, Quantity of 20 shows White, Black, and Brown.

Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

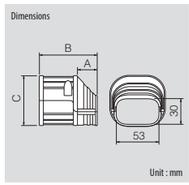
SE END FITTING



Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg*
SE-77	□□■■	53	43	45	82	67	60(20, 10)

*( ) shows quantities of Anthracite grey, White, Black, and Brown.
Quantities of 20...White, Black, and Brown. Quantity of 10...Anthracite grey.

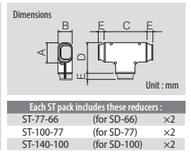
SEN END FITTING



Item No.	Color Variation	A	B	C	Pcs/Pkg*
SEN-100	□□■■	56	112	76	(20, 10)
SEN-140	□□ ■■	77	150	85	10

*( ) 10 shows quantities of Anthracite grey, Quantity of 20 shows White, Ivory, Black, and Brown.

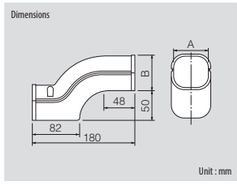
ST T JOINT



Each ST pack includes these reducers :		
ST-77-66	(for SD-66)	×2
ST-100-77	(for SD-77)	×2
ST-140-100	(for SD-100)	×2

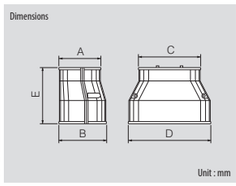
Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
ST- 77	□□ ■■	85	68	165	124	31	10
ST-100	□□ ■■	109	78	200	154	33	10
ST-140	□□ ■■	148	87	250	199	32	5

SIF 50MM FIXED OFFSET



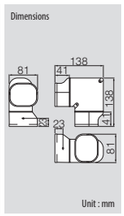
Item No.	Color Variation	A	B	Pcs/Pkg
SIF- 77	□□ ■■	83	69	10
SIF-100	□□ ■■	108	74	10

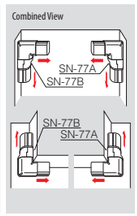
SDR REDUCER



Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
SDR100- 77	□□ ■■	67	75	81	106	66	20
SDR140-100	□□ ■■	75	84	109	147	100	10

SN 90° TWIST ELBOW

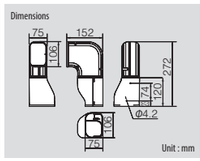




Item No.	Color Variation	Pcs/Pkg
SN-77	□□ ■■	5

SNA 90° TWIST ELBOW (RIGHT TWIST)

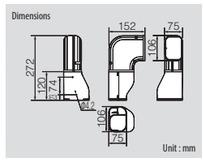
(Contents)
Right twist joint . . . 1pc.
90° FLAT ELBOW (SK-100) . . . 1pc.

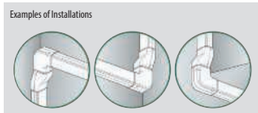


Item No.	Color Variation	Pcs/Pkg
SNA-100	□□	5

SNB 90° TWIST ELBOW (LEFT TWIST)

(Contents)
Left twist joint . . . 1pc.
90° FLAT ELBOW (SK-100) . . . 1pc.

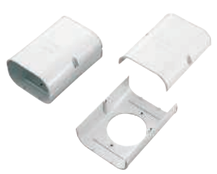


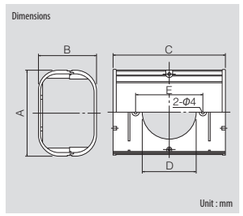


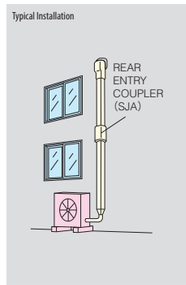
Item No.	Color Variation	Pcs/Pkg
SNB-100	□□	5

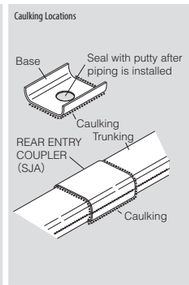
Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

SJA REAR ENTRY COUPLER



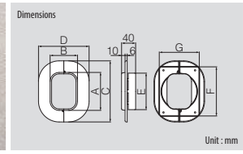






Item No.	Color Variation	A	B	C	D	E	Compliant pipe size	Pcs/Pkg
SJA-100	□□ ■■	109	75	148	70	88	2 sets of PC-2320	20

SWC WALL FLANGE

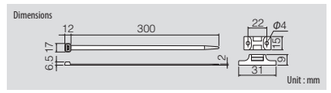


Item No.	Color Variation	A	B	C	D	E	F	G	Diameter of core drill	Pcs/Pkg
SWC- 77	□□ ■■	83	71	127	115	80	110	90	85	100
SWC-100	□□ ■■	108	78	174	144	104	140	114	110	50
SWC-140	□□ ■■	148	88	220	180	144	196	154	145	20

*Material . . . ABS

SL STRAP KIT

For SLIMDUCT



Item No.	Color Variation	Pcs/Pkg
SL-300	□	500

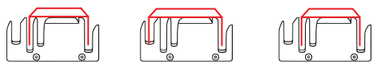
*Material . . . PE (SL band), POM (SL saddle)
*Do not overtighten strap! This may decrease insulation performance.

VD CUTTER for SLIMDUCT

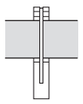
JAN Code / 4953998006133

Item No.	Product Name
VD2100	Cutter

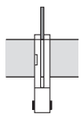
Applicable trunking size



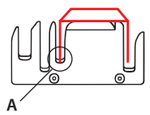
Please cut trunking slowly in all seaseons.



Insert the trunking at a 90° angle to the blade.



Please hold the trunking straight.



Reduce the cutting speed when the blade reaches the position A.

Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

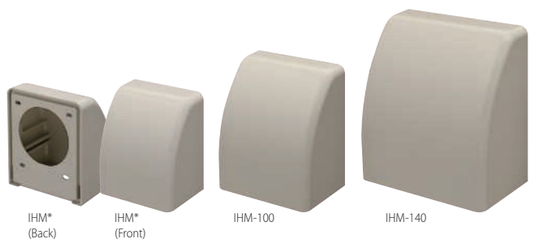
IHM

Enhance the Appearance

Enhance the appearance while hiding and protecting the final connection to the condenser by combining IHM with SF Flexible bend.

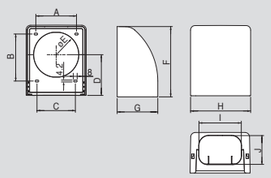
IHM-W (White) **IHM-I** (Ivory) **IHM-B** (Brown)

IHM WALL-MOUNTED OUTLET



*Available only in Ivory.

Dimensions

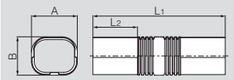


Unit : mm

Item No.	Color Variation	A	B	C	D	E	F	G	H	I	J	Pcs/Pkg
IHM*	□	76	81	65	77	-	130	80	112	68	54.5	10
IHM-100	□■■	90	104	85	90	100	156	90	133	94	64	10
IHM-140	□■■	140	121	135	107	140	196	104	182	130	75	5

SF FLEXIBLE BEND with End Cuffs

Dimensions



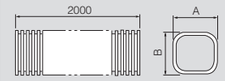
Unit : mm

Item No.	Color Variation	A	B	L_1	L_2	Pcs/Pkg
SF- 77- 500	□■■■■	74	62	530	87	20
SF- 77-1000	□■■■■	74	62	1060	87	20
SF-100- 800	□■■■■	100	70	800	70	10
SF-140- 800	□■ ■■	146	86	800	80	5

*Material . . . PE (77), PP (100/140)

SF 2M FLEXIBLE BEND with Raw Ends

Dimensions



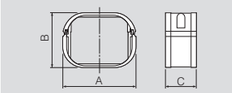
Unit : mm

Item No.	Color Variation	A	B	Pcs/Pkg
SF-77-2000	□■ ■■	74	62	10

*Material . . . PE
*Use with SFJ Coupler and SFS Clamp.

SFJ ADAPTOR for SF FLEXIBLE BEND

Dimensions



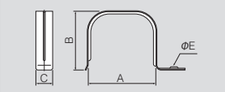
Unit : mm

Item No.	Color Variation	A	B	C	Pcs/Pkg
SFJ- 77	□■ ■■	83	66	35	20
SFJ-100	□■ ■■	108	74	40	20

*Use with SFS.
*To secure joint, insert 2 corrugations of SF into SFJ adaptor.

SFS SADDLE for SF FLEXIBLE BEND

Dimensions



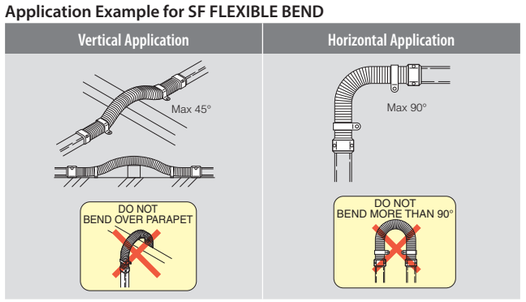
Unit : mm

Item No.	A	B	C	E	Pcs/Pkg
SFS- 77	75	63	18	4.2	60
SFS-100	100	70	22	7	40
SFS-140	146	85	22	7	40

*Material . . . SUS304

Application Example for SF FLEXIBLE BEND

Vertical Application	Horizontal Application



SLIMDUCT SD series

Specifications

Temperature Range	-20 ~ 60℃
Application	Wall Mounted
Material	Rigid Polyvinyl Chloride (Flame Retardant) *Excludes some items
Color	□■■■■

*Excludes some items.
· Most components are PVC. When other materials are used, they will be listed under the component description.

The table below shows the maximum size piping combinations that can be stored in SLIMDUCT SD:

Item No.	10×10mm	10×20mm	20×20mm
SD- 77	3/8″×5/8″	—	—
SD-100	(3/4″×7/8″) or (1/4″×3/8″)×2 sets	3/8″×3/4″	—
SD-140	(1/4″×1/2″ and 3/8″×5/8″)×2 sets	3/4″×1-1/4″	1/2″×1-1/8″

*Piping system includes DRAIN HOSE (DH-16).

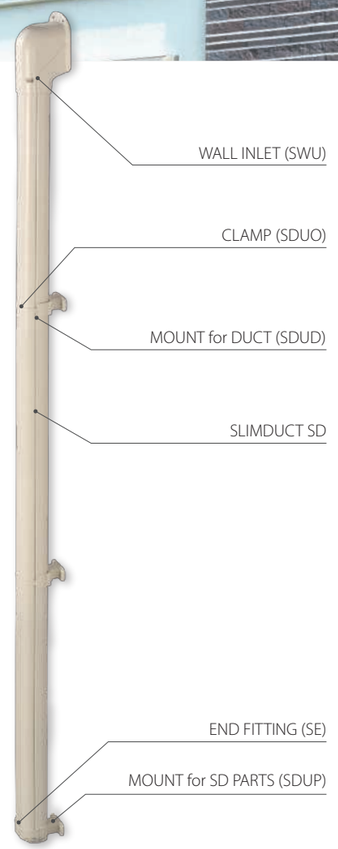
Caution

- SLIMDUCT SD IS NOT WATERPROOF. To waterproof, seal all longitudinal and lateral seams, screw heads, and wall penetration with weatherproof sealant or putty.
- SLIMDUCT SD trunking and fittings are suitable for use and storage within a temperature range of -20℃ to 60℃. Deformation may occur at temperatures exceeding 60℃. Protect SLIMDUCT installation from direct and radiant heat.
- When attaching SLIMDUCT to wall, USE ONLY PAN HEAD SCREWS. DO NOT USE FLAT HEAD OR COUNTERSUNK SCREWS AS THEY CAN EXERT TOO MUCH PRESSURE AND CRACK THE PVC MATERIAL.
- Use of impact screwdrivers to install SLIMDUCT to wall and to tighten fixing screws on fittings is highly discouraged as they can easily overtighten the screws and crack the PVC material. Use hand screwdrivers for precise torque control.
- Use SL-300 STRAP KIT to retain piping inside trunking.

Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

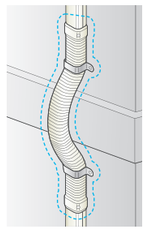
Trunking System (For Residential Use)

SLIMDUCT™ SD - Elevating System

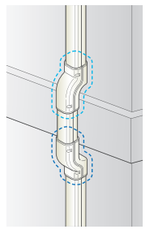


Traditional Installation

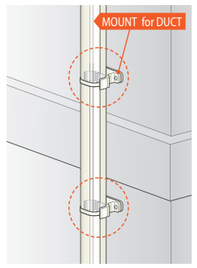
FLEXIBLE BEND (SF)



FIXED OFFSET (SIF)



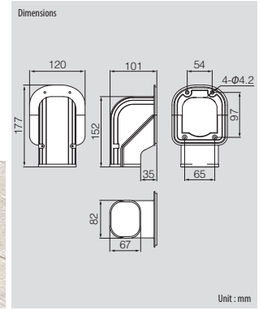
Elevating System



LOOK
Compact design with option parts.

LOOK
No linesets bended.

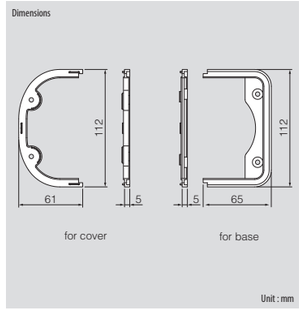
SWU WALL INLET for ELEVATING SYSTEM SD



Item No.	Color Variation	Pcs/Pkg
SWU-77-I	☐	100

*Material . . . PVC

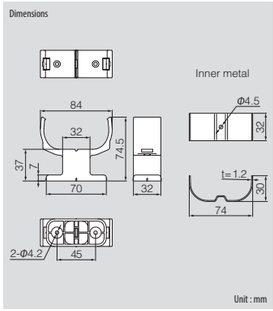
SWUS SPACER for SWU



Item No.	Color Variation	Pcs/Pkg
SWUS-77-I	☐	100

*Material . . . PVC

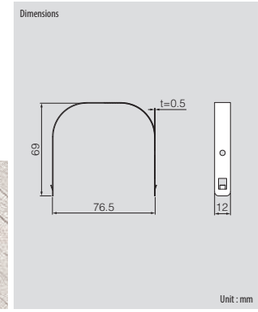
SDUD MOUNT for DUCT for ELEVATING SYSTEM



Item No.	Color Variation	Pcs/Pkg
SDUD-77-I	☐	50

*Material . . . AES
*Inner metal . . . ZAM

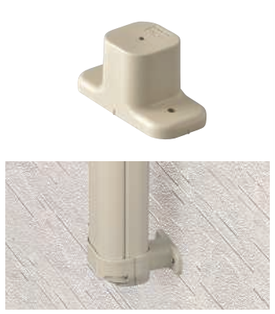
SDUO CLAMP for PREVENTING DUCT COVER REMOVAL

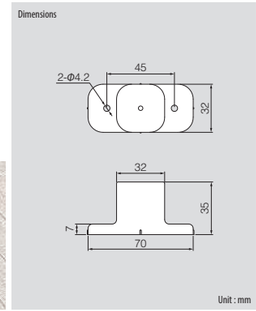


Item No.	Color Variation	Pcs/Pkg
SDUO-77-I	☐	200

*Material . . . SUS
*Coated . . . Ivory color

SDUP MOUNT for ELEVATING SYSTEM SD PARTS

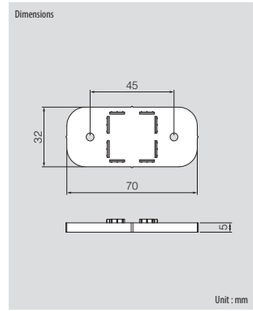




Item No.	Color Variation	Pcs/Pkg
SDUP-77-I	☐	50

*Material . . . AES

SDUS SPACER for MOUNT PARTS for ELEVATING SYSTEM SD



Item No.	Color Variation	Pcs/Pkg
SDUS-77-I	☐	100

*Material . . . AES

Color Variation: ☐...White, ☐...Ivory, ☐...Anthracite grey, ☐...Brown, ■...Black

SLIMDUCT™ MD

Stylishly designed, SLIMDUCT MD series will compliment any interior or exterior design scheme

Innovation — Discreet Interior Design

No Visible Screws

Blend in well with the overall color scheme of the interior of any room.

SLIMDUCT SD

SLIMDUCT MD

Function — Excellent Performance

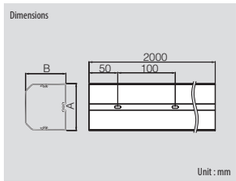
Flame Retardant

SLIMDUCT MD is made from flame retardant materials*.

*Excludes some items.

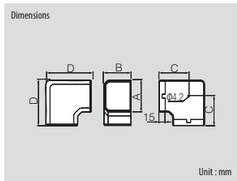
MD SLIMDUCT MD

Straight trunking



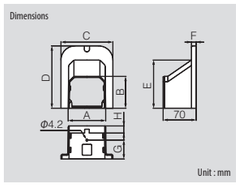
Item No.	Color Variation	A	B	Pcs/Pkg
MD-751-W	□	75	65	5
MD-851	□	85	70	5

MK 90° FLAT ELBOW



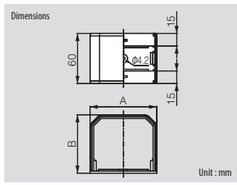
Item No.	Color Variation	A	B	C	D	Pcs/Pkg
MK-75-W	□	80	68	74	114	20
MK-85	□	90	73	79	124	10

MP SOFFIT INLET



Item No.	Color Variation	A	B	C	D	E	F	G	H	Pcs/Pkg
MP-75-W	□	80	67.5	110	132	102	8	40	15	20
MP-85	□	92	73	115	135	110	10	40	15	10

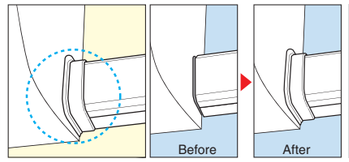
MJ COUPLER

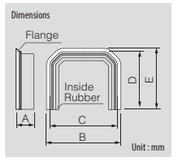


Item No.	Color Variation	A	B	Pcs/Pkg
MJ-75-W	□	80	67.5	20
MJ-85	□	90	72.5	10

Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

MS GASKET



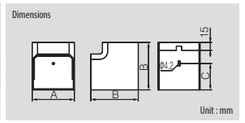


Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
MS-75	□	24.5	90	82	70	74	20
MS-85	□	24.5	100	92	75	79	20

*Material . . . Main part : PVC Flange : Synthetic rubber

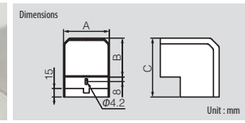
*The MS may not be suitable for use with indoor A/C units from all manufacturers. A crevice is made when installation to an attachment part with level difference or the curved surface beyond R25.

MCI 90° INSIDE VERTICAL ELBOW



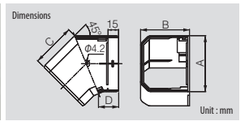
Item No.	Color Variation	A	B	C	Pcs/Pkg
MCI-75-W	□	80	90	43	20
MCI-85	□	90	94	54	10

MCO 90° OUTSIDE VERTICAL ELBOW



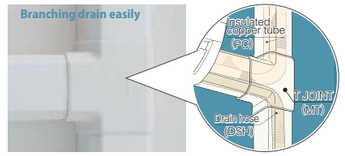
Item No.	Color Variation	A	B	C	Pcs/Pkg
MCO-75-W	□	80	68	103	20
MCO-85	□	90	73	109	10

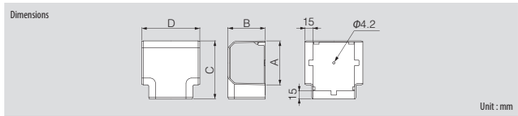
MKF 45° FLAT ELBOW



Item No.	Color Variation	A	B	C	D	Pcs/Pkg
MKF-75-W	□	80	70	63	30	20
MKF-85	□	90	75	68	31	10

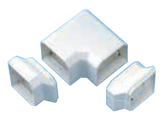
MT T JOINT

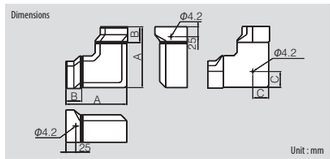




Item No.	Color Variation	A	B	C	D	Pcs/Pkg
MT-75-W	□	80	68	105	105	10
MT-85	□	90	73	115	115	10

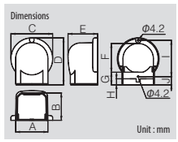
MN 90° TWIST ELBOW





Item No.	Color Variation	A	B	C	Pcs/Pkg
MN-75-W	□	154	40	40	5
MN-85	□	169	45	45	5

MW WALL INLET



*Blindfold cap is included, enjoy smooth appearance without screw visible.

Item No.	Color Variation	A	B	C	D	E	F	G	H	I	J	Pcs/Pkg
MW-75-W	□	80	67.5	103	116	73	71	31	15	90	20	20
MW-85	□	90	72.5	123	128.5	76	83	27	15	102.5	20	10

SLIMDUCT MD series

Specifications

Temperature Range	-20 ~ 60°C
Application	Wall Mounted
Material	Rigid Polyvinyl Chloride (Flame Retardant) *Excludes some items

The table below shows the maximum size piping combinations that can be run in SLIMDUCT MD :

Item No.	Insulation Thickness 10×10mm	
MD-751-W	6.35×9.52 - 6.35×12.70 + DSH-14	
MD-851	Ventilation hose (O.D. less than φ37)	+ 6.35×9.52 - 6.35×12.70 + DSH-14 or 6.35×9.52 - 9.52×15.88 + DSH-14

Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

Trunking System (For Commercial Use)

SLIMDUCT™ PD

Innovative New Design

Provides easy mounting and elevates trunking system from wall surface.

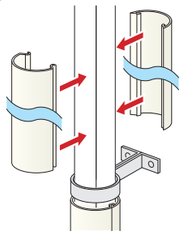
Light & Tough

UV & weather resistant heavy duty PVC construction resists deformation.

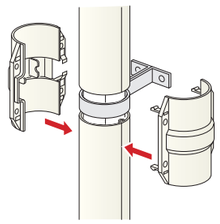
Easy Installation

All trunking and fittings disassemble for ease of installation, and mount with commercially available standard wall mounted with our brackets (Ref. Page 18).

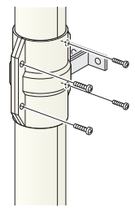
STEP 1 Clip main trunking into place over the piping.



STEP 2 Install mounting bracket & coupler.



STEP 3 Secure with screws provided.



Specifications

Application	Elevate piping from wall, deck, and ceiling surface.
Temperature Range	–20 ~ 60°C (Surface Temperature)
Material	Rigid Polyvinyl Chloride (Flame Retardant)
Color	Ivory

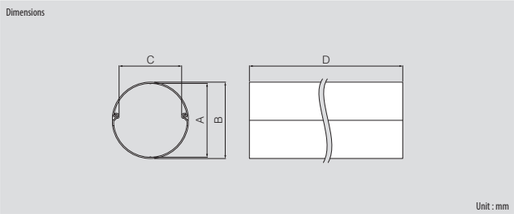
*PDL CLIP is SUS304 Stainless Steel.

SLIMDUCT PD Maximum Piping Combinations:

Item No.	Applicable bracket size (Ref. Page 18)	Insulation thickness		
		10×10mm	10×20mm	20×20mm
PD- 90	A10363-0087	5/8″× 1-1/8″	3/8″× 3/4″	–
PD-120	A10363-0091	3/4″× 1-1/2″	3/4″× 1-1/4″	3/8″× 3/4″
PD-140	A10363-0104	1″× 2-1/8″, 3/4″× 1-1/4″× 2	7/8″× 1-3/4″	3/4″× 1-1/4″

PD SLIMDUCT PD

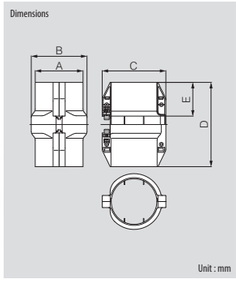
Straight trunking



Item No.	Color Variation	A	B (O.D.)	C (I.D.)	D	Pcs/Pkg
PD- 90-1000-I	☐	φ 89	φ 92	75	960	5
PD- 90-1500-I	☐	φ 89	φ 92	75	1460	5
PD- 90-2000-I	☐	φ 89	φ 92	75	2000	5
PD-120-1000-I	☐	φ117	φ120	103	960	5
PD-120-1500-I	☐	φ117	φ120	103	1460	5
PD-120-2000-I	☐	φ117	φ120	103	2000	5
PD-140-2000-I	☐	φ138	φ142	124	2000	5

PDB-N MOUNTING COUPLER

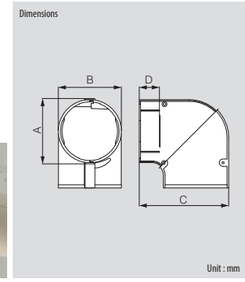
Tacking Screw



Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
PDB- 90N-I	☐	φ 97	112	127	130	49	10
PDB-120N-I	☐	φ125	140	155	130	49	5
PDB-140N-I	☐	φ147	166	184	136	52	5

PDE 90° ELBOW

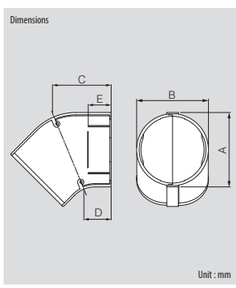
Tacking Screw



Item No.	Color Variation	A	B	C	D	Pcs/Pkg
PDE- 90-I	☐	104	100	142	32	10
PDE-120-I	☐	132	128	172	32	5
PDE-140-I	☐	154	150	203	40	5

PDF 45° ELBOW

Tacking Screw

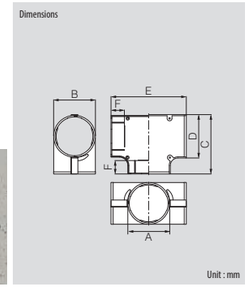


Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
PDF- 90-I	☐	104	100	82	38	32	10
PDF-120-I	☐	132	128	93	38	32	5
PDF-140-I	☐	154	150	111	46	40	5

PDT T JOINT

Tacking Screw

PDT-90
PDT-120N-I
PDT-140N-I

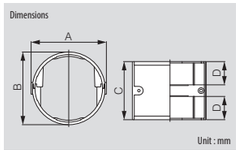


Item No.	Color Variation	A	B	C	D	E	F	Pcs/Pkg
PDT- 90-I	☐	104	100	142	104	180	32	10
PDT-120N-I	☐	132	128	173	104	213	32	5
PDT-140N-I	☐	154	150	203	132	251	40	5

Color Variation: ☐...White, ☐...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

PDJ STANDARD COUPLER

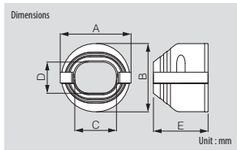
Tacking Screw



Item No.	Color Variation	A	B	C	D	Pcs/Pkg
PDJ- 90-I	☐	104	100	80	32	20
PDJ-120-I	☐	132	128	80	32	10
PDJ-140-I	☐	154	150	96	40	10

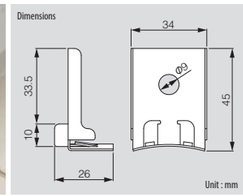
PDC END FITTING

Tacking Screw



Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
PDC- 90-I	☐	104	100	61	46	80	20
PDC-120-I	☐	132	128	86	57	80	10
PDC-140-I	☐	154	150	94	60	96	10

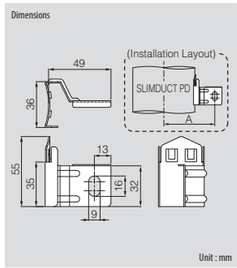
PDL FITTING MOUNT CLIP



Item No.	Pcs/Pkg
PDL	200

*Material . . . SUS
*Available to use on the back of connection fitting as well.

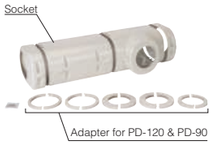
PDH FITTING MOUNT CLIP FOR BACK OF CONNECTION FITTINGS

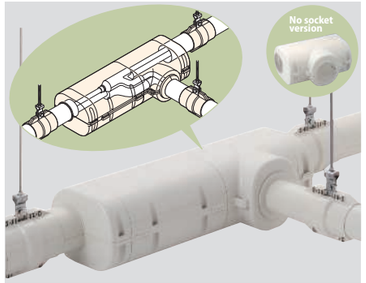


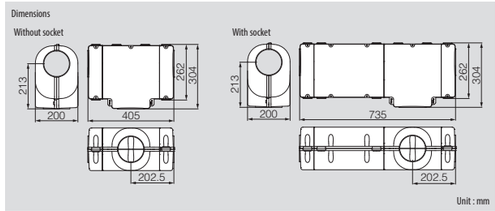
Item No.	A		Pcs/Pkg
PDH	PD- 90	82	100
	PD-120	96	
	PD-140	107	

*Material . . . SUS
*Available to use on the back of connection fittings.

PDJTN T-BRANCH



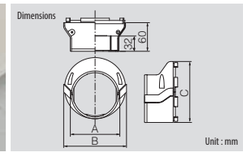




Item No.	Color Variation	Pcs/Pkg
PDJTN-I	☐	1

PDI REDUCER

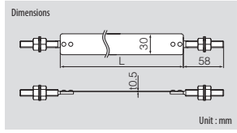
Tacking Screw



Application
• Connection between PD-90 and 120 size fittings, and between PD-120 and 140 size fittings.

Item No.	Color Variation	A	B	C	Pcs/Pkg
PDI-120- 90-I	☐	104	132	128	20
PDI-140-120-I	☐	132	154	150	20

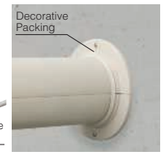
PDU FIXING SADDLE

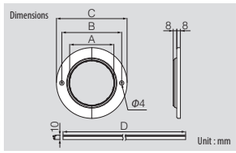


Item No.	Trunking Size	L	Pcs/Pkg
PDU- 90-I	PD- 90	211	30
PDU-120-I	PD-120	283	30
PDU-140-I	PD-140	339	30

*Material . . . SUS
*In case of vertical piping, fix each parts using such as Fitting Mount Clip PDH, etc.

PWP-N WALL FLANGE

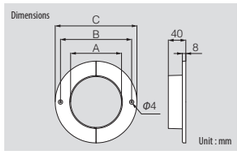




Item No.	Color Variation	A	B	C	D	Pcs/Pkg
PWP- 90N-I	☐	99	134	158	309	30
PWP-120N-I	☐	127	162	186	397	20
PWP-140N-I	☐	149	184	208	470	20

*Decorative Packing is not waterproofing.

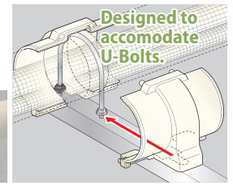
PSP WALL FLANGE

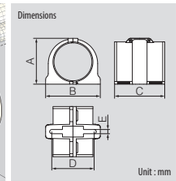


Item No.	Color Variation	A	B	C	Pcs/Pkg
PSP- 90-I	☐	88	134	158	30
PSP-120-I	☐	116	162	186	20

*For connection to other products except straight PD duct.

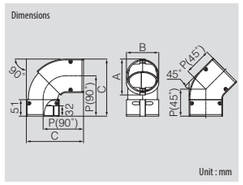
PDBK MOUNTING COUPLER FOR U-BOLTS





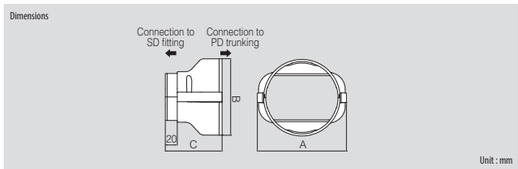
Item No.	Color Variation	A	B	C	D	E	Pcs/Pkg
PDBK- 90-I	☐	112	133	122	103	10.2	10
PDBK-120-I	☐	140	159	122	129	10.2	5

PDKS ADJUSTABLE ELBOW



Item No.	Color Variation	A	B	C	P(90°)	P(45°)	Pcs/Pkg
PDKS- 90-I	☐	104	100	177	125	83.5	10
PDKS-120-I	☐	132	128	209	143.5	91.5	5

PSDR PD-SD COUPLER



Item No.	Color Variation	A	B	C	Pcs/Pkg
PSDR- 90-100-I	☐	110	100	90	10
PSDR-120-140-I	☐	149	128	95	10

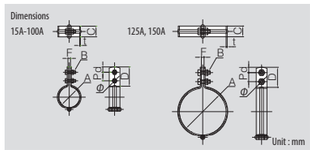
Applicable Connection Fittings

Item No.	SLIMDUCT PD	SLIMDUCT SD
PSDR- 90-100-I	PD- 90 Duct	Fittings for SD-100
PSDR-120-140-I	PD-120 Duct	Fittings for SD-140

*If support is necessary, use Fitting Mount Clip PDL or PDH.

A10363 PIPE CLAMP

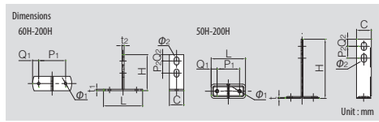
Product manufactured by AKAGI CO., LTD.



Item No.	A	B	C	D	d	F	P	t	φ	Pcs/Pkg
A10363-0087 (For PDB- 90N-I)	89.1	M 6×20L	25	45	12.5	6	20	2.3	φ 7.0	1
A10363-0091 (For PDB-120N-I)	114.3	M 6×20L	25	45	12.5	6	20	2.3	φ 7.0	1
A10363-0104 (For PDB-140N-I)	139.8	M10×30L	32	65	16	8	27	3.2	φ11.0	1

A11214/A10405 T-BRACKET

Product manufactured by AKAGI CO., LTD.



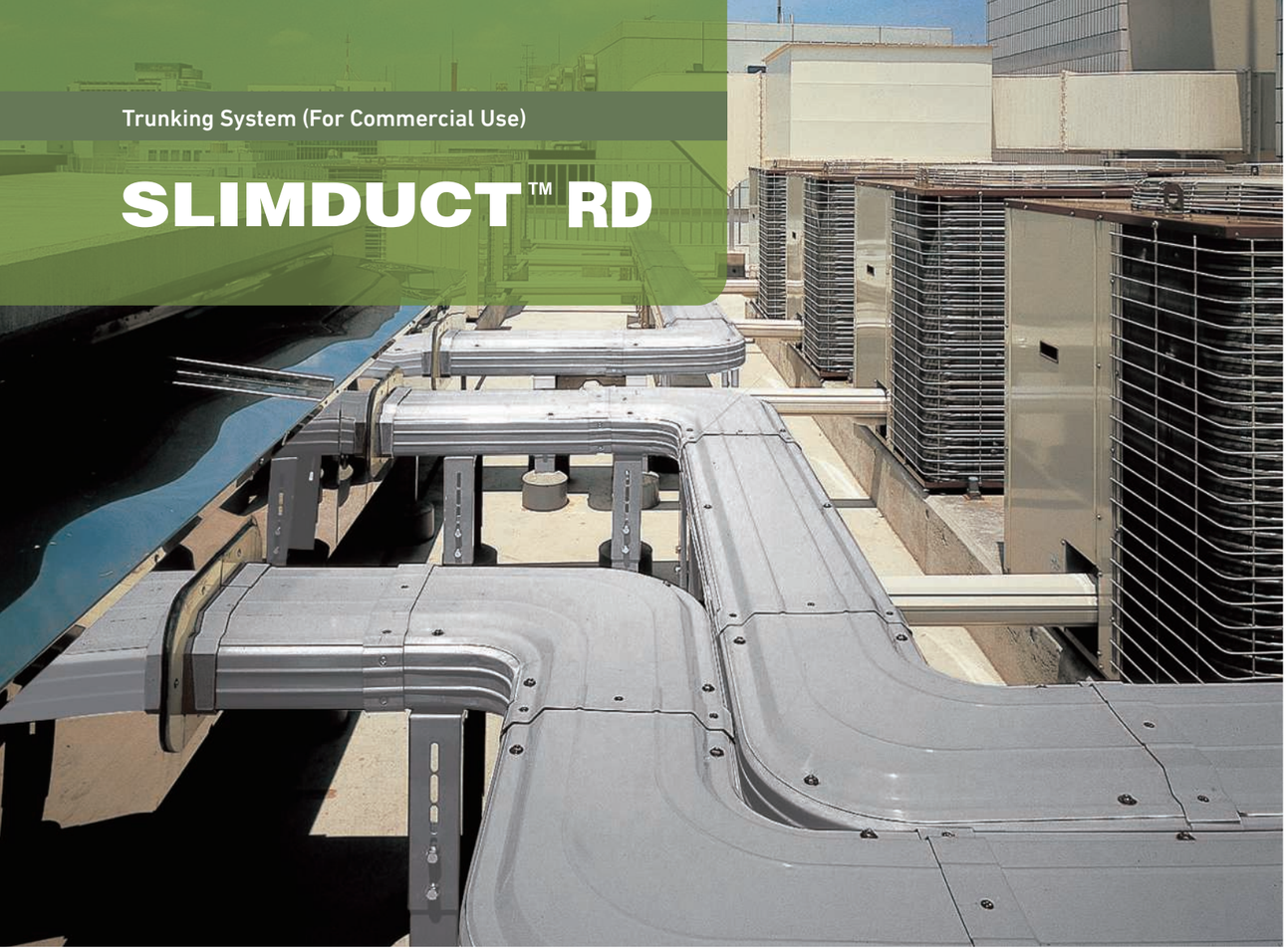
Item No.	C	H	L	P_1	P_2	Q_1	Q_2	t_1	t_2	φ_1	φ_2	Pcs/Pkg
A11214-0039 (60 x 25mm width <For PD-90, 120>)	25	60	58	38	20	10	12	1.6	—	4.5	φ 9.0 x 14	1
A11214-0043 (80 x 25mm width <For PD-90, 120>)	25	80	58	38	20	10	12	1.6	—	4.5	φ 9.0 x 14	1
A10405-0479 (60 x 32mm width <For PD-140>)	32	60	87	60	27	13.5	14	3.2	4.5	6.0	φ11.0 x 18	1
A10405-0483 (80 x 32mm width <For PD-140>)	32	80	87	60	27	13.5	14	3.2	4.5	6.0	φ11.0 x 18	1

*Please contact us for brackets with larger height.

Color Variation: ☐...White, ☐...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

Trunking System (For Commercial Use)

SLIMDUCT™ RD



SPECIAL

SLIMDUCT RD's innovative trunking for air-conditioning piping combines BEAUTY with DURABILITY.

Straight lines and fixed angles improve the aesthetics on the appearance of buildings and facilities. A large variety of unique fittings ensures a quick installation, helps reduce costs and provide durability.

Multiple Application

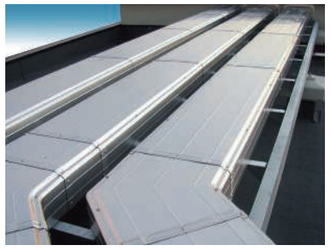
Use of many fittings available such as risers, vertical mountings, and under-slab mountings enables SLIMDUCT RD to be easily customized on-site during the installation process and to be installed in any orientation. *Excludes some sizes.

Compact Design

Because of its compact design, SLIMDUCT RD requires less space than a traditional racking/jacketing system.

Architectural Trunking Cover

The professional and aesthetic finish of SLIMDUCT RD blends perfectly in with any type of commercial buildings, which exterior will be enhanced by the sleek appearance of finished installation.



Ideal Linesets Protector

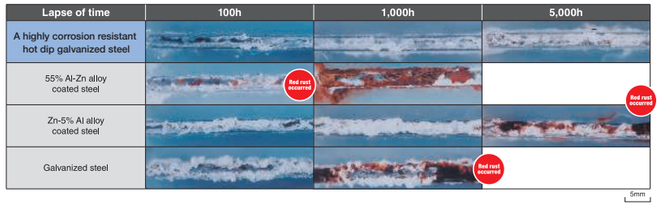
Protects linesets and related pipes/cables for a long time, which enables to preserve energy efficiency of air conditioners.

Durability and Weather Resistance

SLIMDUCT RD is made from "ZAM" which offers superior resistance over stainless steel even in highly corrosive atmospheres such as sea air.

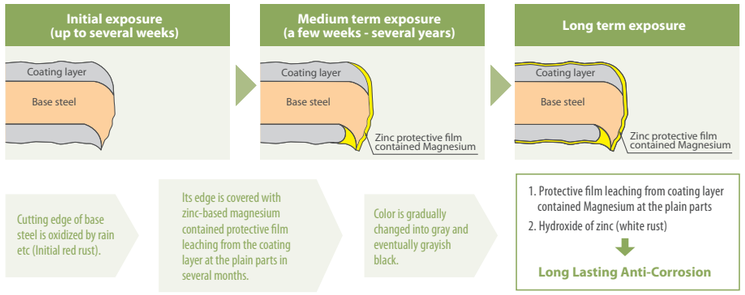
Appearances of cut edges after salt spray test

(Thickness: 3.2 mm, coating weight: 120/120 g/m², untreated)



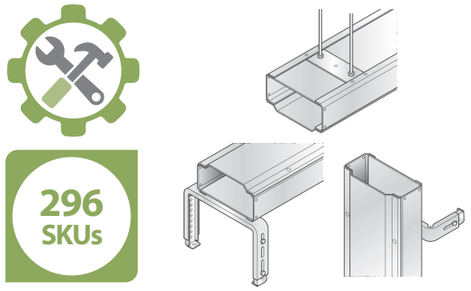
Scratch/Abrasion Resistance

The Coating layer contains a higher proportion of Magnesium and is more rigid than that of a standard galvanized or Galvalum sheet. It offers superior scratch/abrasion resistance as well as advanced corrosion resistance to ensure that any scratch or cut edges will be covered by a zinc protective film in a few months.



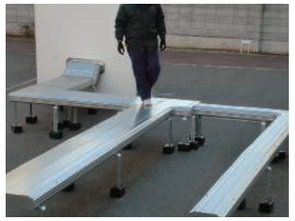
Easy Installation

No special tools are required to assemble and connect SLIMDUCT RD, and it is assembled by only two kinds of screws.



Load Capacity

SLIMDUCT RD, WALKWAY TYPE (RDW) has an embossed anti-slip surface.
This permits maintenance personnel to walk on ducts without damaging during routine maintenance of any mechanical equipment on the rooftop.



Insulated Copper Tube/Pipe

Quality

High-Quality Materials

Excellent Thermal Resistance

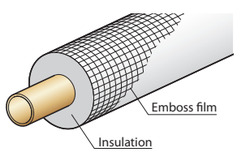
All insulated tube and pipe products are fabricated with high grade insulation with a thermal resistance up to 120℃.

Flame Retardant

Our insulation is made of self-extinguishing materials equivalent to the European Flame retardant standard.

Tear Resistant Outer Covering

Tough embossed outer covering is easy to tape and prevents damage during installation.
In addition, PE foam has good pressure resistance and it's not easy to be teared, especially at the hanging point.

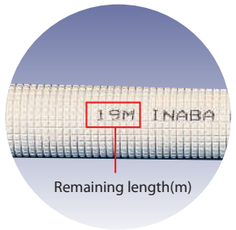


Function

Upgrade Working Efficiency

Length Markings

For 20m & 30m Coil, consecutively numbered length marking are clearly printed at 1 meter intervals on insulation surface to indicate remaining length.



Insulation Specifications

Chemical cross-linked foamed polyethylene enclosed by a plastic film with an embossed surface.

Item	Value
Thermal Conductivity (Ave. 23°C)	0.037 W/m·K
Tensile Strength	48.2 N/cm²
Water Absorption Volume	0.06 g/100 cm²
Thickness Shrinkage Ratio (Ave. 120°C)	2.0 %

Item	Value
Moisture Permeability (per 25mm thickness)	20 ng/m²·s·Pa or less
Temperature Range	– 40°C~120°C
Flame Retardant (Equivalent to)	EN-13501-1 DIN 4102-1, B1 class UL-94 HF-1

*This data is test outcome, not guaranteed value.

PC/NC-JE PAIRCOIL • NEOCOIL

PAIRCOIL 20M

Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
PC-2320-JE	1/4×3/8×20m	0.8×0.8	8× 8	1
PC-2420-JE	1/4×1/2×20m	0.8×0.8	8×10	1
PC-2520-JE	1/4×5/8×20m	0.8×1.0	8×10	1
PC-3520-JE	3/8×5/8×20m	0.8×1.0	8×10	1
PC-3620Z-JE	3/8×3/4×20m	0.8×1.2	8×10	1

NEOCOIL 20M

Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
NC-220-JE	1/4×20m	0.8	8	2
NC-320-JE	3/8×20m	0.8	8	2
NC-420-JE	1/2×20m	0.8	10	1
NC-520-JE	5/8×20m	1.0	10	1
NC-620Z-JE	3/4×20m	1.2	10	1

PAIRCOIL 30M

Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
PC-2330-JE	1/4×3/8×30m	0.8×0.8	8× 8	1
PC-2430-JE	1/4×1/2×30m	0.8×0.8	8×10	1
PC-2530-JE	1/4×5/8×30m	0.8×1.0	8×10	1

PAIRCOIL U TYPE 20M — Competitive Model

Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
PC-2320U-JE	1/4×3/8×20m	0.61×0.61	8× 8	1
PC-2420U-JE	1/4×1/2×20m	0.61×0.61	8×10	1
PC-2520U-JE	1/4×5/8×20m	0.61×0.81	8×10	1

NEOCOIL U TYPE 20M

Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
NC-520U-JE	5/8×20m	0.81	10	1
NC-620U-JE	3/4×20m	1.0	10	1

PAIRCOIL U TYPE 30M

Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
PC-2330U-JE	1/4×3/8×30m	0.61×0.61	8× 8	1
PC-2430U-JE	1/4×1/2×30m	0.61×0.61	8×10	1

Insulated Copper Tube/Pipe

PC/NC-UV PAIRCOIL • NEOCOIL [UV RESISTANT]

PAIRCOIL 20M, 30M

Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
PC-2320-UV	1/4×3/8×20m	0.8×0.8	8× 8	1
PC-2420-UV	1/4×1/2×20m	0.8×0.8	8×10	1
PC-2520-UV	1/4×5/8×20m	0.8×1.0	8×10	1
PC-3520-UV	3/8×5/8×20m	0.8×1.0	8×10	1
PC-3620Z-UV	3/8×3/4×20m	0.8×1.2	8×10	1

PAIRCOIL U TYPE 20M

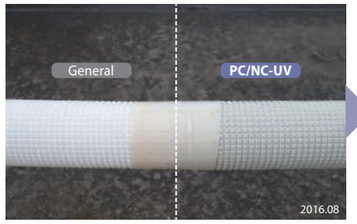
Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
PC-2320U-UV	1/4×3/8×20m	0.61×0.61	8× 8	1
PC-2420U-UV	1/4×1/2×20m	0.61×0.61	8×10	1
PC-2520U-UV	1/4×5/8×20m	0.61×0.81	8×10	1
PC-2420U-UV	1/4×1/2×20m	0.61×0.61	8×10	1
PC-2520U-UV	1/4×5/8×20m	0.61×0.81	8×10	1

Very Strong Against Sunshine

Against sunshine, normally insulation material will get damaged and break. It will also affect AC performance and cause condensation problem.
But our UV resistant type can stand for two times even without Taping or Duct Cover because of Super Protection Film. It can maintain good quality much longer.

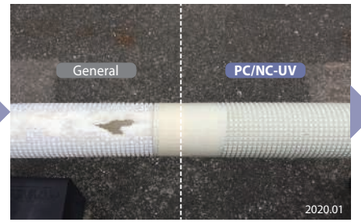
Outdoor Exposure Test

Start



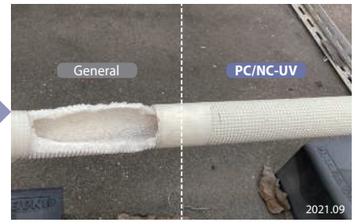
A general PE insulation and our own UV product were both placed on the roof.

3 years and 5 months later



After 3 years and 5 months, the surface of the general insulation showed signs of damage and was partially corroded, while our UV product maintained its quality.

5 year and 1 months later



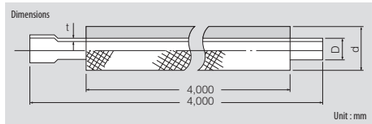
After 5 years and 1 month, the upper half of the general insulation completely deteriorated. Our UV product maintained the quality almost unaffected.

NC-20H NEOCOIL–20H

■ Insulation Thickness 20mm

Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
NC-220JE-20H	1/4″×20m	0.8	20	1
NC-320JE-20H	3/8″×20m	0.8	20	1
NC-420JE-20H	1/2″×20m	0.8	20	1
NC-520JE-20H	5/8″×20m	1.0	20	1
NC-620ZJE-20H	3/4″×20m	1.2	20	1

NH NEOPIPE 4M

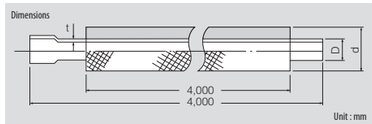


★ Order Production

Item No.	Copper tube O.D. D	Copper tube Thickness t (mm)	Temper grade	Insulation O.D. d (mm)	Insulation Thickness (mm)	Pcs/Pkg
NH- 740JE	7/8″	1.0	H	44	10	10
NH- 840JE	1″	1.0	H	47	10	8
NH- 940JE	1-1/8″	1.0	H	50	10	6
NH-1040JE	1-1/4″	1.1	H	53	10	6
NH-1140JE	1-3/8″	1.2	H	57	10	4
NH-1240JE	1-1/2″	1.35	H	60	10	4
NH-1340JE	1-5/8″	1.45	H	64	10	4
NH-1440JE ★	1-3/4″	1.55	H	66	10	4

*Straight pipe with Temper grade H is not bendable by bending tools.

NH-20H NEOPIPE 4M-20H



■ Insulation Thickness 20mm

★ Order Production

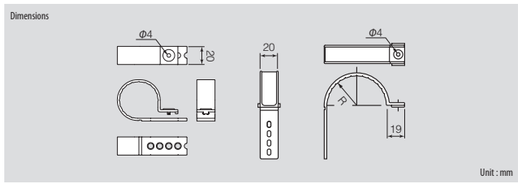
Item No.	Copper tube O.D. D	Copper tube Thickness t (mm)	Temper grade	Insulation O.D. d (mm)	Insulation Thickness (mm)	Pcs/Pkg
NH- 740JE-20H ★	7/8″	1.0	H	64	20	8
NH- 840JE-20H ★	1″	1.0	H	67	20	6
NH- 940JE-20H ★	1-1/8″	1.0	H	70	20	4
NH-1040JE-20H ★	1-1/4″	1.1	H	73	20	4
NH-1140JE-20H ★	1-3/8″	1.2	H	76	20	4
NH-1240JE-20H ★	1-1/2″	1.35	H	80	20	4
NH-1340JE-20H ★	1-5/8″	1.45	H	84	20	2
NH-1440JE-20H ★	1-3/4″	1.55	H	86	20	2

*Straight pipe with Temper grade H is not bendable by bending tools.

KS SINGLE SADDLE [for A/C Refrigerant Piping]

KS-20-I

KS-24-I



Item No.	Color Variation	Effective Inside Diameter	Pcs/Pkg
KS-20-I		φ39 ~ φ45	1000
KS-24-I		φ38 ~ φ50	500

*Material . . . PE

Color Variation: □...White, □...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

Drain Hose & Accessories -Outdoor-

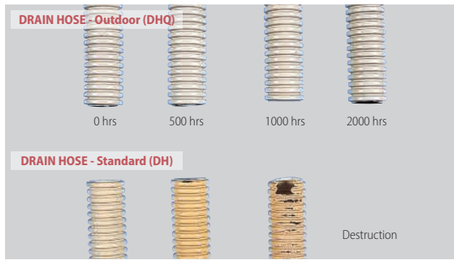
DHQ DRAIN HOSE - Outdoor

UV Resistant Version!!

Portable carton with removable EASY-FEED flap

Double layered for outstanding durability

Accelerated Weather Resistance Test (Sunshine Weather Meter)



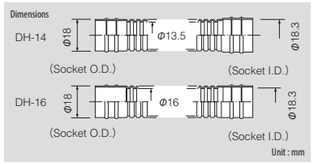
Specifications
- Cuff spacing . . . 500mm

Features
- Double the UV resistance of the DH series.
- High quality PE (LLDPE) material gives excellent corrosion resistance.

Item No.	Size					Pcs/Pkg
	Nominal	Hose I.D.	Length	Hose O.D.	Max O.D.	
DHQ-14	φ14	φ13.5	50m	φ18.3	φ22	8
DHQ-16	φ16	φ16	50m	φ20.8	φ22	6

DH DRAIN HOSE – Standard

"Easy-feed" & portable package

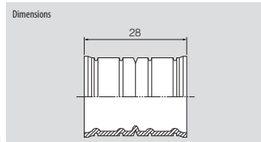


Specifications
- Cuff diameter accepts both14mm and 16mm sizes.
- Cuff spacing . . . 500mm

Item No.	Size					Pcs/Pkg
	Nominal	Hose I.D.	Length	Hose O.D.	Max O.D.	
DH-14	φ14	φ13.5	50m	φ18.3	φ22	8
DH-16	φ16	φ16	50m	φ20.8	φ22	6

*Material . . . PE

DHJ DRAIN HOSE COUPLER



Purpose
- To connect part of the cut drain hose.

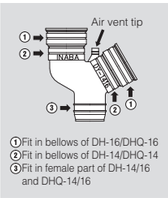
Item No.	Compliant drain hose	O.D.	Length	Pcs/Pkg
DHJ-14	DH-14 • DHQ-14	φ21.9	28	100
DHJ-16	DH-16 • DHQ-16	φ24.4	28	100

*Material . . . PE

DY VENTED DRAIN WYE

Multiple uses of the size 14 & 16

LONG TYPE newly (lined-up) added



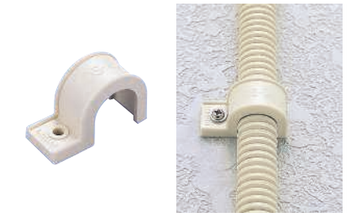
Purpose
- Joins 2 drain hoses.

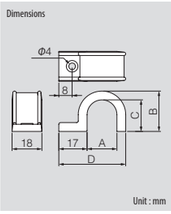
Features
- Integral air vent promotes drainage flow.

Item No.	Compliant drain hose	Pcs/Pkg
DY-1416	DH-14/16, DHQ-14/16	100
DY-1416L	DH-14/16, DHQ-14/16	100

*Material . . . PE

DS DRAIN HOSE SADDLE



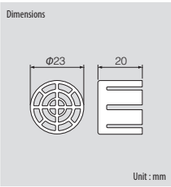


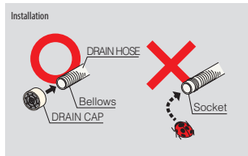
Features
- Attractive, compact, quick fitting.
- Weather resistant.
- Ivory color matches DRAIN HOSE.
- Appearance matches SLIMDUCT SD/NSD/MD.

Item No.	Compliant drain hose	A	B	C	D	Pcs/Pkg
DS-14	DH-14 • DHQ-14	26.6	18	39.3	23.3	500
DS-16	DH-16 • DHQ-16	28.6	20	41.3	25.3	500

*Material . . . PP

DC DRAIN CAP



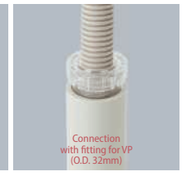


Features
- Prevents insects from entering DRAIN HOSE.
- One-touch mounting to O.D. of DRAIN HOSE.
- Fits both 14mm & 16mm hose.

Item No.	Compliant drain hose	Pcs/Pkg
DC-1416	DRAIN HOSE φ14 • 16	50sets (2 pcs/set)

*Material . . . PP

NDA DRAIN HOSE ADAPTOR



Features
- NDA easily connects drain hose to NEO drain pipe coupler or VP/VE pipe coupler.
- Only drain hose can be removed from coupler.
- Transparent body permits easy check for drain hose connection.

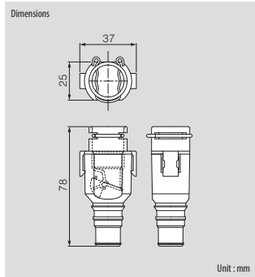
Item No.	Compliant drain hose	Pcs/Pkg
NDA-1416	DH-14/16, DHQ-14/16	20

*Material . . . Acrylic resin

Compliant Neo drain pipe coupler	Compliant PVC pipe coupler
For O.D. 26mm, O.D. 32mm	For VP (O.D. 26mm), VP(O.D. 32mm)

Use exclusively with INABA DENKO Drain Hose

DHB MINI INLINE TRAP



Purpose
- In an airtight home, pressure difference between indoors and outdoors may cause air backflow and result in noise. DHB Trap promotes condensate flow thus prevents noise and deters insects from entering DRAIN HOSE.

Features
- Transparent body permits easy inspection.
- Weather resistant plastic requires no protective tapes.
- Easy to clean.
- Accepts DHQ 14 & DHQ 16 without adaptor.

Item No.	Compliant drain hose	Pcs/Pkg
DHB-1416	DHQ-14 • DHQ-16	50

*Material . . . Acrylic resin

Drain Hose

Dew Condensation Prevention

Insulated Drain Hose

Soft Type

Soft but strong enough to do the job!
INSULATED DRAIN HOSE DSH

Insulated to Prevent Condensation
Prevents condensation under extreme conditions of 15℃ condensate water 30℃ ambient temperature and 80% RH.

Easy to Work With
Internal PE hose cuts easily with blade or scissors.

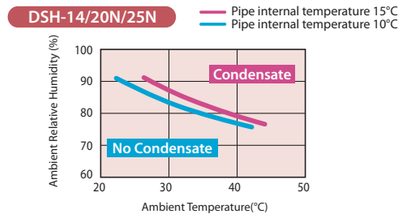
Smooth Inside
Reduces resistance and maximizes condensate flow.

Soft and Flexible
Independent layers plus spiral insulation layer make bending easy and facilitate installation in tight spaces.

Prevents Condensation

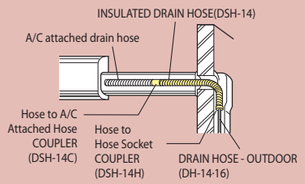
Flexible and Easy to Work

Data shows superior performance in condensation prevention



Example of Typical Installation

Room A/C Installation - Size 14



DSH INSULATED DRAIN HOSE [Soft Type]

Features
- Soft and flexible for easy installation.
- Easily cut to length.

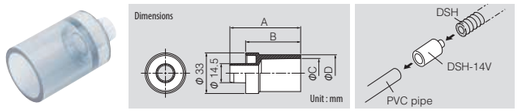
Item No.	Hose I.D.	Hose O.D.	Length	Insulation thickness	Pcs/Pkg
DSH-14	φ14.5	φ26.5	20m	6mm	4
DSH-20N	φ19.0	φ31.0	20m	6mm	1
DSH-25N	φ25.0	φ37.0	20m	6mm	1

DSH-S INSULATED DRAIN HOSE KIT [Soft Type]

Features
- Complete kit provides best value.

Item No.	Contents		Pcs/Pkg
DSH-14S	INSULATED DRAIN HOSE 20m	DSH-14 × 1	4
	Hose to A/C Attached Hose COUPLER	DSH-14C×15	
	Hose to Hose Socket COUPLER	DSH-14H×15	

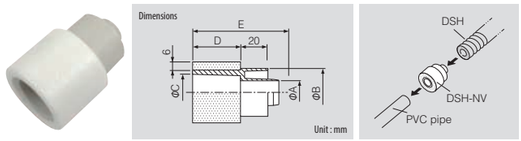
DSH-14V Hose to Pipe ADAPTOR φ14 For PVC pipe joint



Purpose
- Joins insulated drain hose and PVC pipe.
- Adaptor size (inner diameter φ) is following PVC pipe fitting size (inner diameter φ).
- Complied to JIS standard PVC pipe. Please contact when using with PVC complied to other standards.

Item No.	Compliant drain hose	Compliant PVC pipe O.D. mm	A	B	φC	φD	Pcs/Pkg
DSH-14-13V	DSH-14	18	50	38	18.4	φ24	100
DSH-14-16V		22	54	42	22.4	φ28	100
DSH-14-20V		26	59	47	26.45	φ33	100

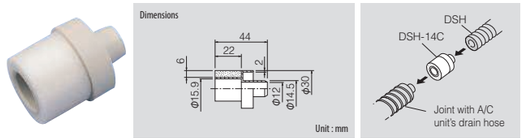
DSH-20•25NV Hose to Pipe ADAPTOR φ20•25 For PVC pipe joint



Purpose
- Joins insulated drain hose and PVC pipe.
- Adaptor size (inner diameter φ) is following PVC pipe fitting size (inner diameter φ).
- Complied to JIS standard PVC pipe. Please contact when using with PVC complied to other standards.

Item No.	Compliant drain hose	Compliant PVC pipe O.D. mm	φA	φB	φC	D	E	Pcs/Pkg
DSH-20NV	DSH-20N	26	16	35	26.45	35	63	50
DSH-25NV	DSH-25N	32	21.5	40	32.55	40	68	50

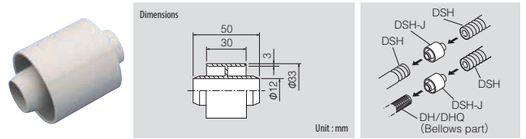
DSH-14C Hose to A/C Attached Hose COUPLER φ14 For A/C unit's drain hose joint



Purpose
- To joint with A/C unit's drain hose side.
- Need to confirm size of A/C unit's drain hose.

Item No.	Compliant drain hose	Pcs/Pkg
DSH-14C	DSH-14	100

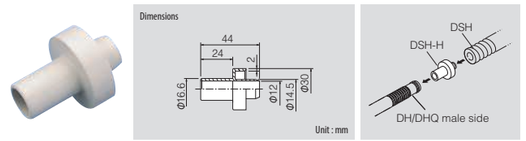
DSH-14J Hose to Hose COUPLER φ14 For drain hose extension



Purpose
- Joins drain hose and drain hose/insulated drain hose.
- To extend insulated drain hose.

Item No.	Compliant drain hose	Pcs/Pkg
DSH-14J	DSH-14	100

DSH-14H Hose to Hose Socket COUPLER φ14 For drain hose joint



Purpose
- To fit drain hose (DH/DHQ) with male side.

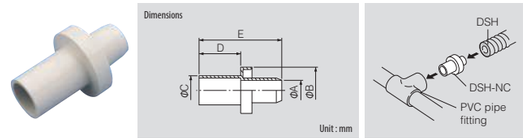
Item No.	Compliant drain hose	Pcs/Pkg
DSH-14H	DSH-14	100

Specifications

Material	Insulated drain hoses and accessories	PVC
	Insulation	PE

Caution
- Cut drain hose in right angle, and completely remove any dust, oil, and, trash on the jointing surface.
- Use adhesive for PVC pipe use and insert drain hose/pipe fully into accessory fitting to avoid any problems such as water leakage.
- Do not bend drain hose by a radius of less than 3 times of outer diameter.
- Do not let drain hose slack when installing (Need slope for water flow).
- Use drain hose accessories exclusively with INABA DENKO drain hoses. Use of these products in combination with any other brand will invalidate warranty.
- Do not use adhesive for PVC pipe in the case of connection between drain hose (DH/DHQ) & coupler (DSH-14H/DSH-14J).
  Insert drain hoses, and accessory fittings fully and secure them with tape.

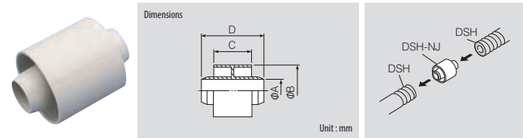
DSH-20•25NC Hose to Pipe Fitting ADAPTOR φ20•25 For PVC pipe fitting



Purpose
- Joins insulated drain hose and PVC pipe.
- Adaptor size (outer diameter φ) is following PVC pipe size (outer diameter φ).
- Complied to JIS standard PVC pipe. Please contact when using with PVC complied to other standards.

Item No.	Compliant drain hose	Compliant PVC pipe O.D. mm	φA	φB	φC	D	E	Pcs/Pkg
DSH-20NC	DSH-20N	26	17	35	26	37	64	50
DSH-25NC	DSH-25N	32	22.5	40	32	42	69	50

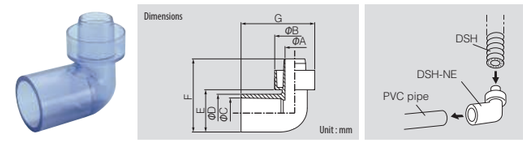
DSH-20•25NJ Hose to Hose COUPLER φ20•25 For drain hose extension



Purpose
- Joins 2 insulated drain hoses.
- To extend insulated drain hose.

Item No.	Compliant drain hose	φA	φB	φC	D	Pcs/Pkg
DSH-20NJ	DSH-20N	17	35.5	32	52	50
DSH-25NJ	DSH-25N	22.5	41.5	32	52	50

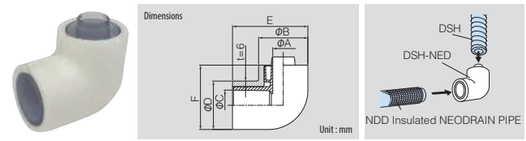
DSH-20•25NE Hose to Pipe ELL φ20•25 For PVC pipe joint



Purpose
- Joins insulated drain hose and PVC pipe.
- Adaptor size (inner diameter φ) is following PVC pipe fitting size (inner diameter φ).
- Complied to JIS standard PVC pipe. Please contact when using with PVC complied to other standards.

Item No.	Compliant drain hose	φA	φB	φC	D	E	F	G	Pcs/Pkg
DSH-20NE	DSH-20N	17	35	26.45	33	37	64	64.5	50
DSH-25NE	DSH-25N	22.5	40	32.55	40	45	72	75.25	50

DSH-20•25NED Hose to Pipe Insulated ELL φ20•25 For PVC pipe joint



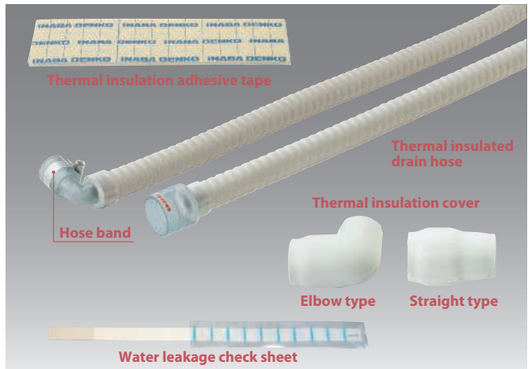
Purpose
- Joins insulated drain hose and PVC pipe.
- Adaptor size (inner diameter φ) is following PVC pipe fitting size (inner diameter φ).
- Complied to JIS standard PVC pipe. Please contact when using with PVC complied to other standards.

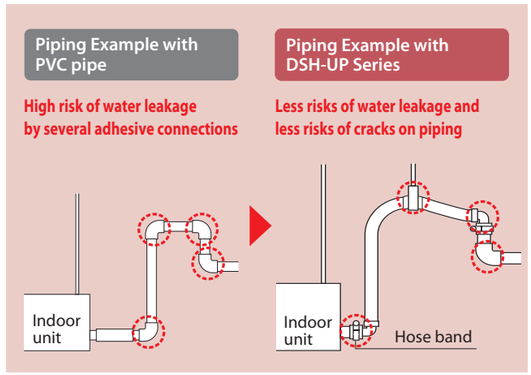
Item No.	Compliant drain pipe & hose	φA	φB	φC	D	E	F	Pcs/Pkg
DSH-20NED	NDD-20N/DSH-20N	17	47	26.45	45	72	61	30
DSH-25NED	NDD-25N/DSH-25N	22.5	53	32.55	52	81	69	30

Drain Hose

DSH-UP™ series

Thermal insulation drain hose with coupling joint for drain up piping of package air conditioner





Construction image

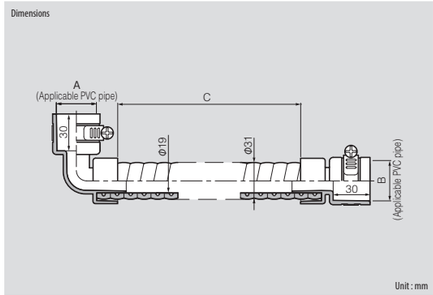
Elbow and Straight Fitting

Elbow Fitting

Transparent fittings assure a secure fit and water-flow check

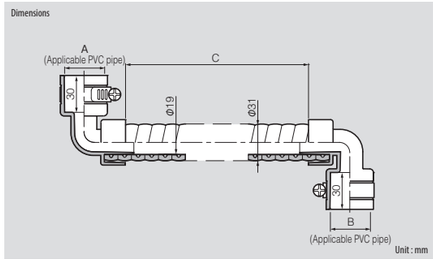
DSH-UP INSULATED DRAIN HOSE for drain up piping

S Elbow & Straight ES



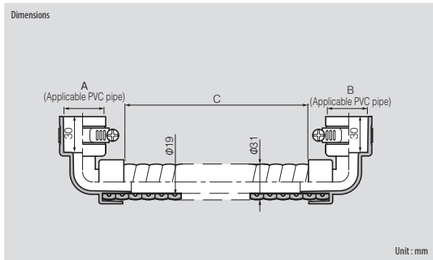
Item No.	A (Applicable PVC pipe O.D. mm)	B (Applicable PVC pipe O.D. mm)	C	Pcs/Pkg
DSH-UP20E20S-07	26	26	700	10
DSH-UP20E25S-07	26	32	700	10
DSH-UP25E20S-07	32	26	700	10
DSH-UP25E25S-07	32	32	700	10
DSH-UP20E20S-10	26	26	1000	10
DSH-UP20E25S-10	26	32	1000	10
DSH-UP25E20S-10	32	26	1000	10
DSH-UP25E25S-10	32	32	1000	10

E Elbow & Elbow E E



Item No.	A (Applicable PVC pipe O.D. mm)	B (Applicable PVC pipe O.D. mm)	C	Pcs/Pkg
DSH-UP20E20E-07	26	26	700	10
DSH-UP20E25E-07	26	32	700	10
DSH-UP25E25E-07	32	32	700	10
DSH-UP20E20E-10	26	26	1000	10
DSH-UP20E25E-10	26	32	1000	10
DSH-UP25E25E-10	32	32	1000	10

ER Elbow & Elbow ER



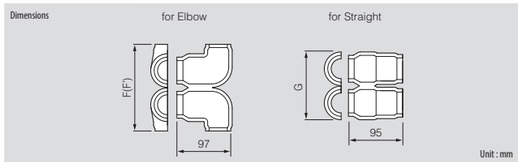
Item No.	A (Applicable PVC pipe O.D. mm)	B (Applicable PVC pipe O.D. mm)	C	Pcs/Pkg
DSH-UP20E20R-07	26	26	700	10
DSH-UP20E25R-07	26	32	700	10
DSH-UP25E25R-07	32	32	700	10
DSH-UP20E20R-10	26	26	1000	10
DSH-UP20E25R-10	26	32	1000	10
DSH-UP25E25R-10	32	32	1000	10

Caution
- Use only for the above applicable PVC pipe.

Material

Thermal insulated drain hose (Insulation)	PVC (Foamed PE)
Coupling joint	PVC
Hose band	SUS
Thermal insulation cover	Foamed PE
Thermal insulation adhesive tape (W50mm × L150mm)	Foamed PE

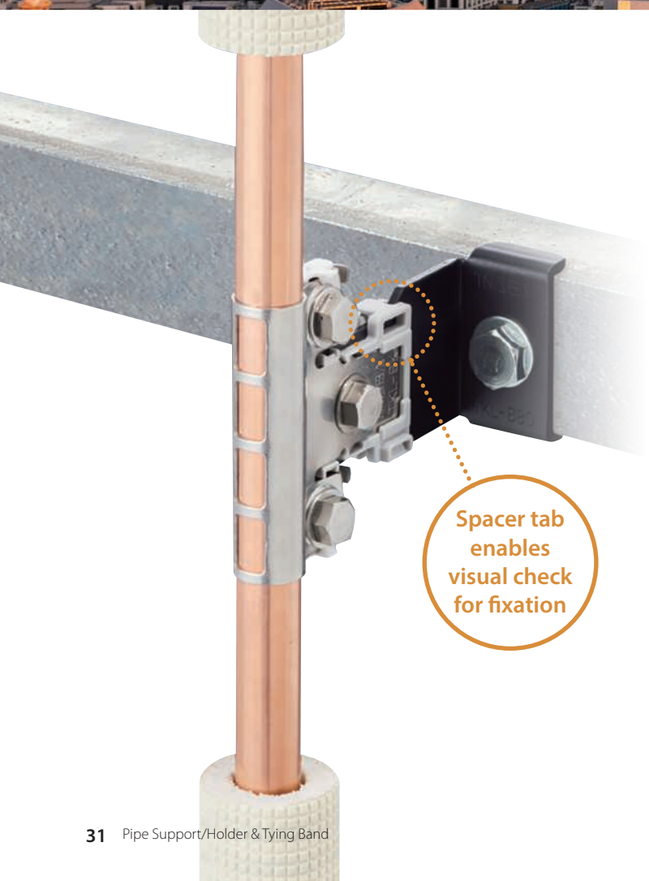
Thermal Insulation Cover



Set Details

	Elbow & Straight ES	Elbow & Elbow EE / ER
Thermal insulated drain hose with coupling joint	1	1
Hose band	2 pcs	2 pcs
Thermal insulation cover for Straight	1 pc	—
Thermal insulation cover for Elbow	1 pc	2 pcs
Thermal insulation adhesive tape	1 pc	1 pc
Water leakage checking sheet	2 pcs	2 pcs

PIPE SUPPORT
(NON-BRAZE)



TKL Pipe Support is a stress relieving bracket that supports the weight of A/C vertical piping and reduces the thermal expansion load on the lowest elbow by 50%.

Installing TKL Pipe Support in the center of the vertical riser can reduce the load created by the system components as well as the thermal expansion by 50%.

TKL Pipe Support requires less space than the conventional provision for thermal expansion and contraction at rise and fall outlet from fulcrumpipe.
(*Always follow local code authority for support specifics)

Vertical riser installations are always subject to severe stress due to a combination of thermal expansion and gravity, usually resulting in buckling and deformation of the fittings at the lower end of each pipe run.

TKL PIPE SUPPORT can solve these problems and simplify installation.

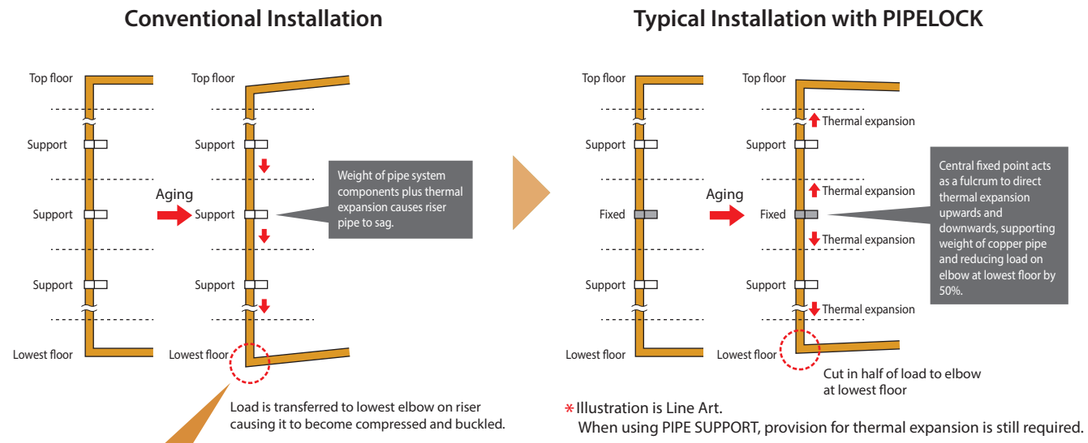


*Illustration is Line Art.
When using PIPE SUPPORT, provision for thermal expansion is still required.

Buckling of elbow at lowest floor

Central fixed-point acts as fulcrum to direct thermal expansion upwards and downwards, supporting weight of copper pipe and reducing load on elbow at lowest floor by 50%

Easily adjustable

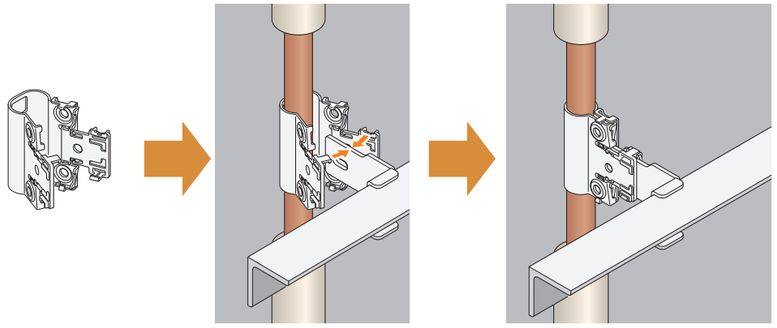
Slotted holes on wall bracket allow for precise adjustments.

TKL Can be applied after installation of pipe system

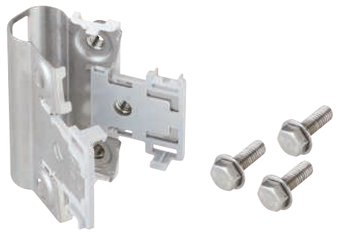
Because the pipe support ferrule is split, it can be can easily be fitted onto the riser and adjusted after the pipe system has been installed.

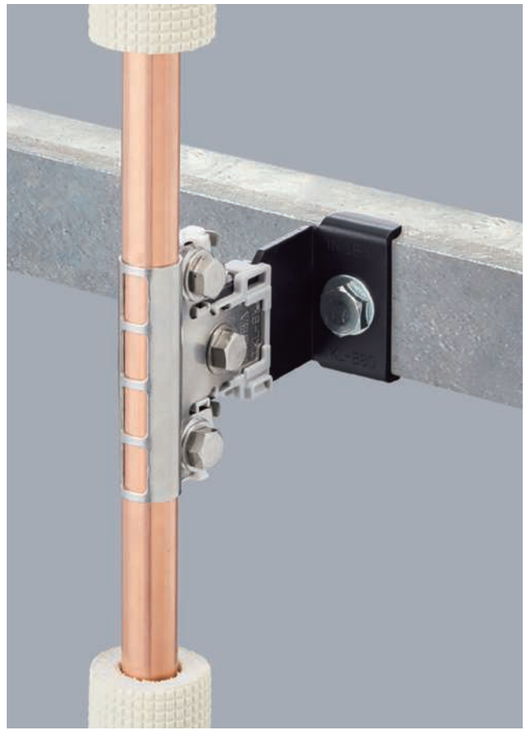
Temporary fixing

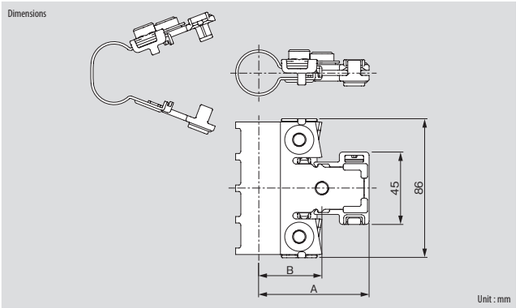
Tab on pipe support allows temporary fixing to facilitate brazing without slippage.



TKL PIPE SUPPORT NEW



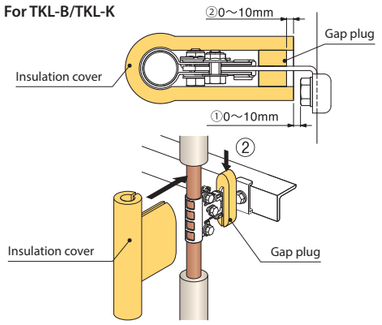




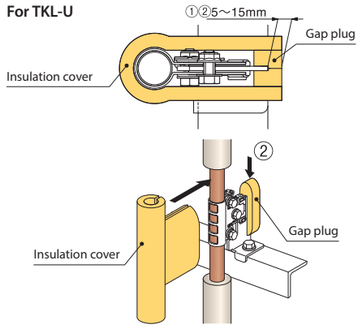
Specifications
- Material
  Main body : Fixation band : SUS304
  Nut fixation plates : PP
  Hex nuts M8 (3 pieces) : SUS
  Hex bolts : M8 x 23L (3 pieces) SUS

For dew proofing, always use TKL with TKL insulation cover on the Pipe Support.

[Fig. 7] For TKL-B/TKL-K



For TKL-U

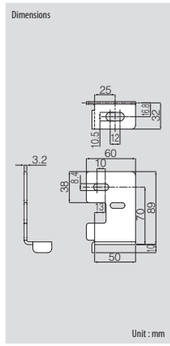


TKL

Item No.	Compliant pipe size	A	B	Pcs/Pkg
TKL- 3K	3/8″	59	30	40
TKL- 4K	1/2″	61	32	
TKL- 5K	5/8″	63	34	
TKL- 6K	3/4″	65	36	
TKL- 7K	7/8″	66	37	
TKL- 8K	1″	68	39	
TKL- 9K	1-1/8″	70	41	
TKL-10K	1-1/4″	72	43	
TKL-11K	1-3/8″	73	44	
TKL-12K	1-1/2″	75	46	
TKL-13K	1-5/8″	77	48	
TKL-14K	1-3/4″	78	49	

TKL-U VERTICAL MOUNTING BRACKET FOR PIPE SUPPORT TKL NEW

For reduced clearance from wall surface

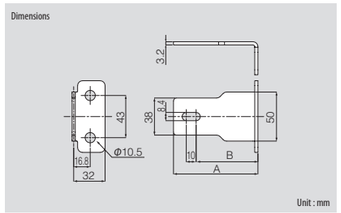


Item No.	Pcs/Pkg
TKL-U00	100

*Material . . . Highly corrosion-resistant hot-dip galvanized steel sheets (Cation electrodeposition coating + acrylic paint).

* For selecting a specific TKL base bracket (Model: TKL-B, TKL-K, TKL-U), see "Distance L (mm) between the center of copper tube and the mounting frame (wall)" described in the Specifications.

TKL-K WALL MOUNT FOR PIPE SUPPORT TKL BRACKET NEW

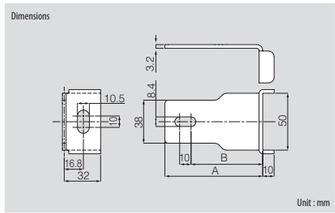


For both indoor/outdoor use

Item No.	A	B	Pcs/Pkg
TKL-K 60	66	43	100
TKL-K 70	76	53	
TKL-K 80	86	63	
TKL-K 90	96	73	
TKL-K100	106	83	

*Material . . . Highly corrosion-resistant hot-dip galvanized steel sheets (Cation electrodeposition coating + acrylic paint).

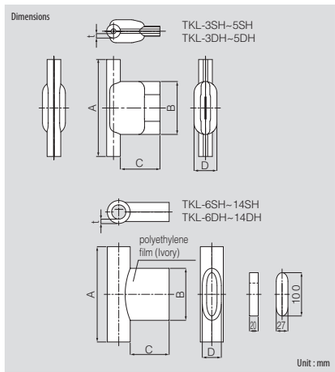
TKL-B HORIZONTAL MOUNTING FOR PIPE SUPPORT TKL BRACKET NEW For 50mm width



Item No.	A	B	Pcs/Pkg
TKL-B 60	66	43	100
TKL-B 70	76	53	
TKL-B 80	86	63	
TKL-B 90	96	73	
TKL-B100	106	83	

*Material . . . Highly corrosion-resistant hot-dip galvanized steel sheets (Cation electrodeposition coating + acrylic paint).

TKL-H INSULATION NEW



Item No.	Compliant PIPE SUPPORT	Insulation thickness t	A	B	C	D	Pcs/Pkg
TKL- 3SH	TKL- 3K	10	220	120	90	52	4
TKL- 4SH	TKL- 4K						
TKL- 5SH	TKL- 5K						
TKL- 6SH	TKL- 6K					44	
TKL- 7SH	TKL- 7K						
TKL- 8SH	TKL- 8K						
TKL- 9SH	TKL- 9K						
TKL-10SH	TKL-10K						
TKL-11SH	TKL-11K						
TKL-12SH	TKL-12K						
TKL-13SH	TKL-13K						
TKL-14SH	TKL-14K						

Item No.	Compliant PIPE SUPPORT	Insulation thickness t	A	B	C	D	Pcs/Pkg
TKL- 3DH	TKL- 3K	20	240	140	80	72	2
TKL- 4DH	TKL- 4K						
TKL- 5DH	TKL- 5K						
TKL- 6DH	TKL- 6K					64	
TKL- 7DH	TKL- 7K						
TKL- 8DH	TKL- 8K						
TKL- 9DH	TKL- 9K						
TKL-10DH	TKL-10K						
TKL-11DH	TKL-11K						
TKL-12DH	TKL-12K						
TKL-13DH	TKL-13K						
TKL-14DH	TKL-14K						

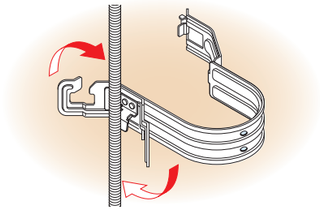
*Material . . . Polyethylene foam with the foaming factor of 30.

SUPERLOCK

QUICK

Attachment by one-touch to W3/8" threaded rod

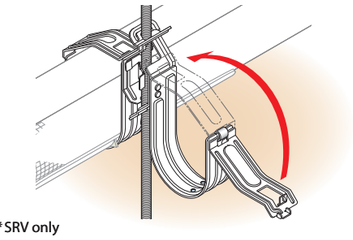
No need of additional tools or nuts for installation.



SPACE-SAVING

Available "back to back" installation

It enables installation in space-saving by "back to back".



*SRV only

SRV SUPERLOCK V TYPE [Integrated Body and Clip]

One-Touch Fitting

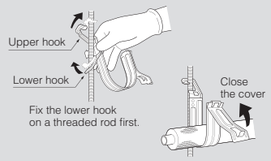
Purpose
- Supports pipe by attaching to a W3/8" threaded rod.

Features
- SUPERLOCK Clamp quickly snaps onto threaded rod.
- Hinge mechanism permits temporary installation.
- Easy height adjustment by rotating clamp on threaded rod.

Specifications
- Steel with SPCC (Unichrome) plating.

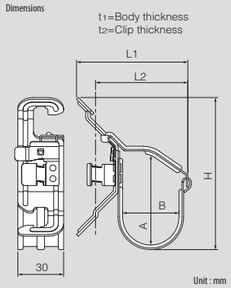
Caution
- For indoor use only.
- Use only with W3/8" threaded rod.

Installation Procedure



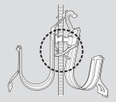
Removal

Dimensions



Back to back installation

Cross the lower hook of SRV.

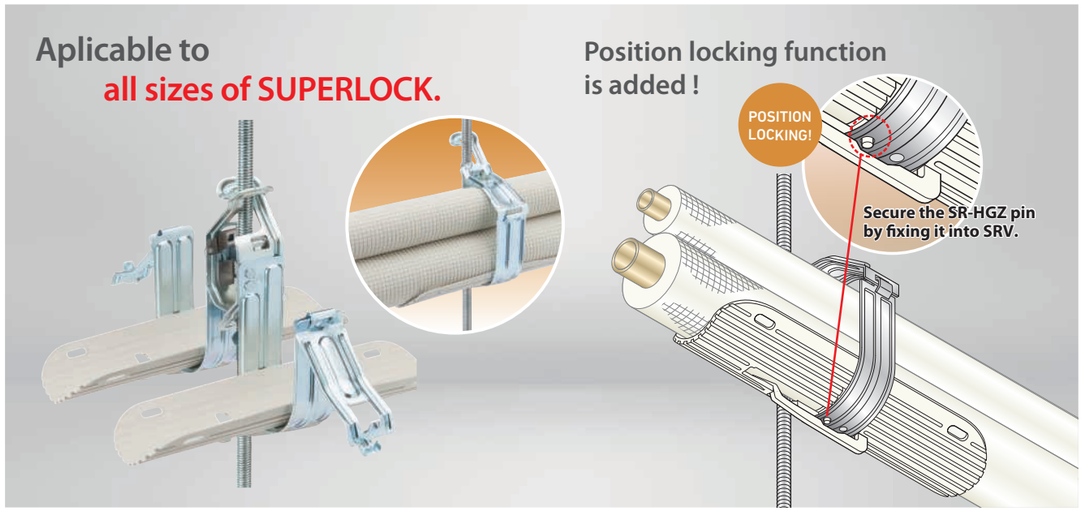


Item No.	Applicable pipe size (mm)		Allowable static load	Dimensions (mm)							Pcs/Pkg
	Insulation thickness	Copper pipe		L_1	L_2	H	A	B	Body thickness(t_1)	Clip thickness(t_2)	
SRV- 24B	10×10	1/4"×3/8"~1/4"×1/2"	196N (20kgf)	70	57.5	95	59	37	1.0	1.0	100
SRV- 35B	10×10	1/4"×5/8"~3/8"×5/8"		70	57.5	101	67	37			100
SRV- 46B	10×10	3/8"×3/4"~1/2"×3/4"		74	61.5	112	76	41			100
SRV- 58B	10×10	1/2"×7/8"~5/8"×1"		84	71.5	121	85	51			100
SRV- 69B	10×10	3/4"×1"~3/4"×1-1/8"		84	71.5	128.5	92	51			100
	10×20	1/4"×3/8"									
SRV- 710B	10×10	7/8"×1-1/8"~7/8"×1-1/4"		94	81.5	129	94	61			50
	10×20	1/4"×1/2"~1/2"×3/4"									
SRV- 811B	10×10	1"×1-1/4"~1"×1-3/8"		94	81.5	138	102	61			50
	10×20	5/8"×3/4"									
SRV- 912B	10×10	1-1/8"×1-3/8"~1-1/8"×1-1/2"		94	81.5	144	108	61			50
	10×20	3/4"×3/4"									
SRV-1012B	10×10	1-1/8"×1-1/2"~1"×1-5/8"		103	90.5	155	119	70			50
	10×20	5/8"×1-1/8"									
SRV-1114B	10×10	1-1/4"×1-1/2"~1-3/8"×1-3/4"		113	100.5	159	123	80			50
	10×20	3/4"×1-1/2"									

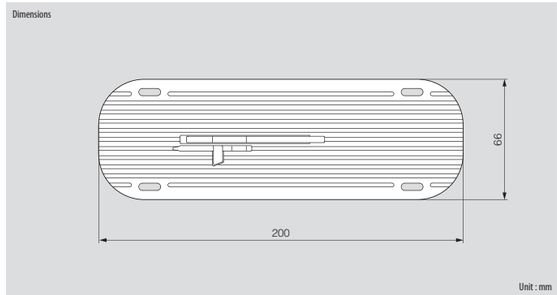
*Insulation thickness : 8mm

SR-HGZ PROTECTION PLATE

For insulation materials



Dimensions



Features
- Protects insulation from deforming.
- Flexible only in the width direction. The plate has ribs at backside and is hard to bend in the length direction.
- Applicable to all sizes of SUPERLOCK (SRV).
- Easy piping work, because the round edge of elliptical shape has few catches of insulation of pipe.

Caution
- For indoor use only.

Item No.	Color Variation	Pcs/Pkg
SR-HGZ	□	200

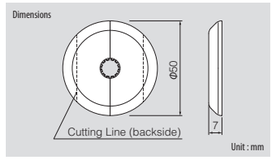
*Material . . . PP

ZC3 CEILING COVER for Threaded Rod

ZC3-W

ZC3-K

Dimensions



Features
- Cutting Line provided on backside for installation at the edge to wall.

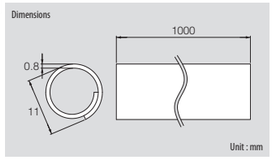
Caution
- Use only with W3/8" threaded rod.

Item No.	Color Variation	Applicable Threaded Rod	Pcs/Pkg
ZC3	□■	W3/8	200

*Material . . . PP (for indoor)
*Not flame retardant.

BC3 Threaded Rod Cover

Dimensions



Item No.	Color Variation	Applicable Threaded Rod	Pcs/Pkg
BC3	□■	W3/8・M10	100

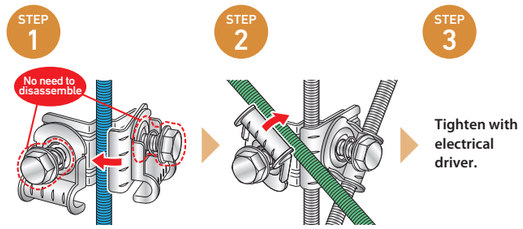
*Material . . . EVA (for indoor)
*Not flame retardant.

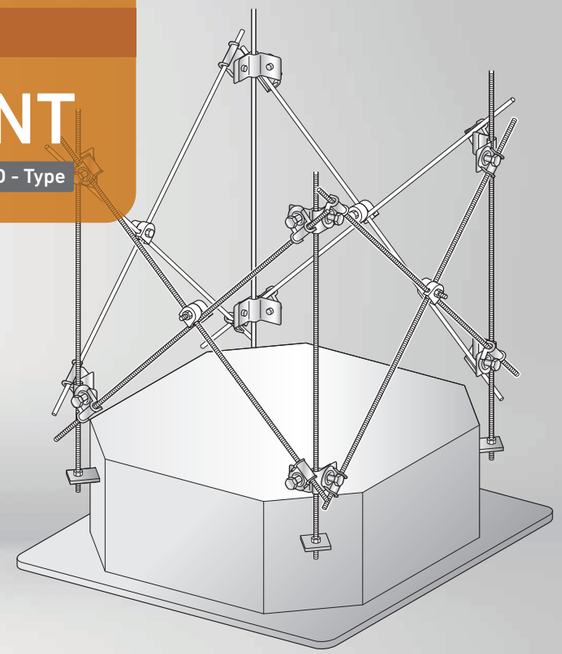
Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

SEISMIC RESTRAINT

V - Type D - Type

Spring loaded seismic restraint clips for AC unit.
Applicable to 3/8 and 1/2 threaded rod.

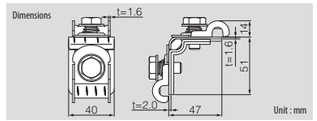




FL-V V - Type

Attachment for bolt fixing
Cross Installation

Caution
- Use only with W3/8 threaded rod. Do not use for other sizes.



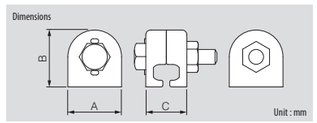
Item No.	Applicable threaded rod	A	B	C	D	Pcs/Pkg
FL-V	W3/8	47	51	14	40	80
FL-V-4	W1/2	63	64	20	50	40

FL-D D - Type

Attachment for bolt fixing
Cross Installation

Contents
- Metal (nut side) ... 1pc
- Metal (bolt side) ... 1pc
- Hexagon bolt W3/8×45L ... 1pc
- W3/8 nut ... 1pc

Caution
- Use only with W3/8 threaded rod. Do not use for other sizes.



Item No.	Applicable threaded rod	A	B	C	Pcs/Pkg
FL-D	W3/8	34	36	26	80
FL-D-4	W1/2	39	43	34	80

FL-VS PACKAGED KIT

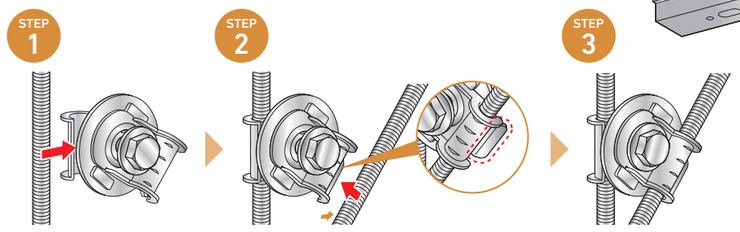
Packaged kit for one AC unit

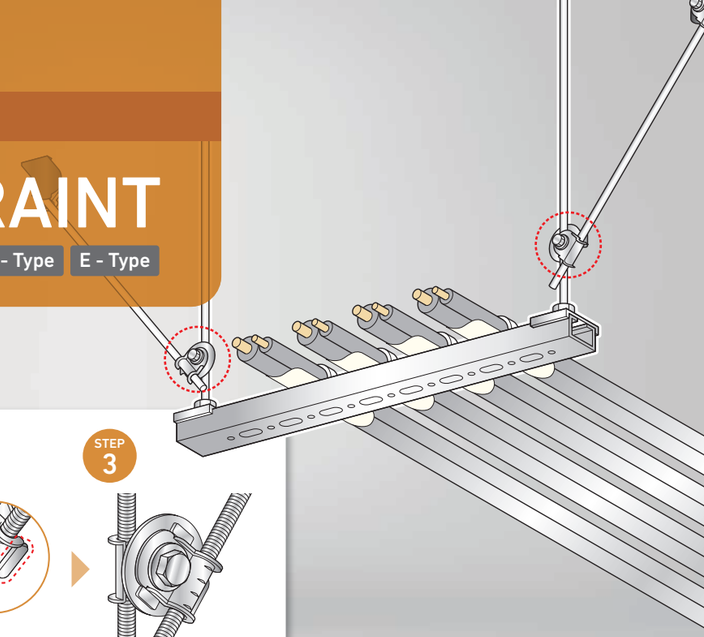
Item No.	Items included	Pcs/Pkg
FL-VS	FL-V×8pc, FL-D×4pc	8
FL-VS-4	FL-V-4×8pc, FL-D-4×4pc	4

SEISMIC RESTRAINT

C - Type E - Type

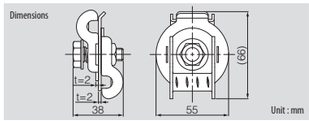
Spring loaded seismic restraint clips for any other mechanical equipment





FL-C C - Type

Single arm clip for crossing

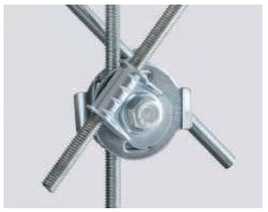


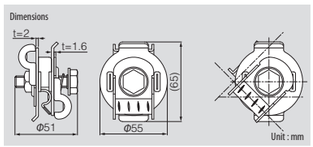
Item No.	Applicable threaded rod	A	B	C	Pcs/Pkg
FL-C	W3/8	55	60	38	100
FL-C-4	W1/2	64	70	38	50

*Material . . . Unichrome Finish

FL-CW CW - Type

Double arm clip for crossing



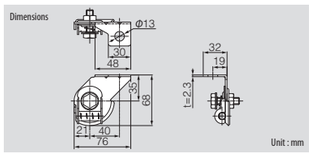


Item No.	Applicable threaded rod	Pcs/Pkg
FL-CW	W3/8	50

*Material . . . Unichrome Finish

FL-E E - Type

Single arm clip for ceiling

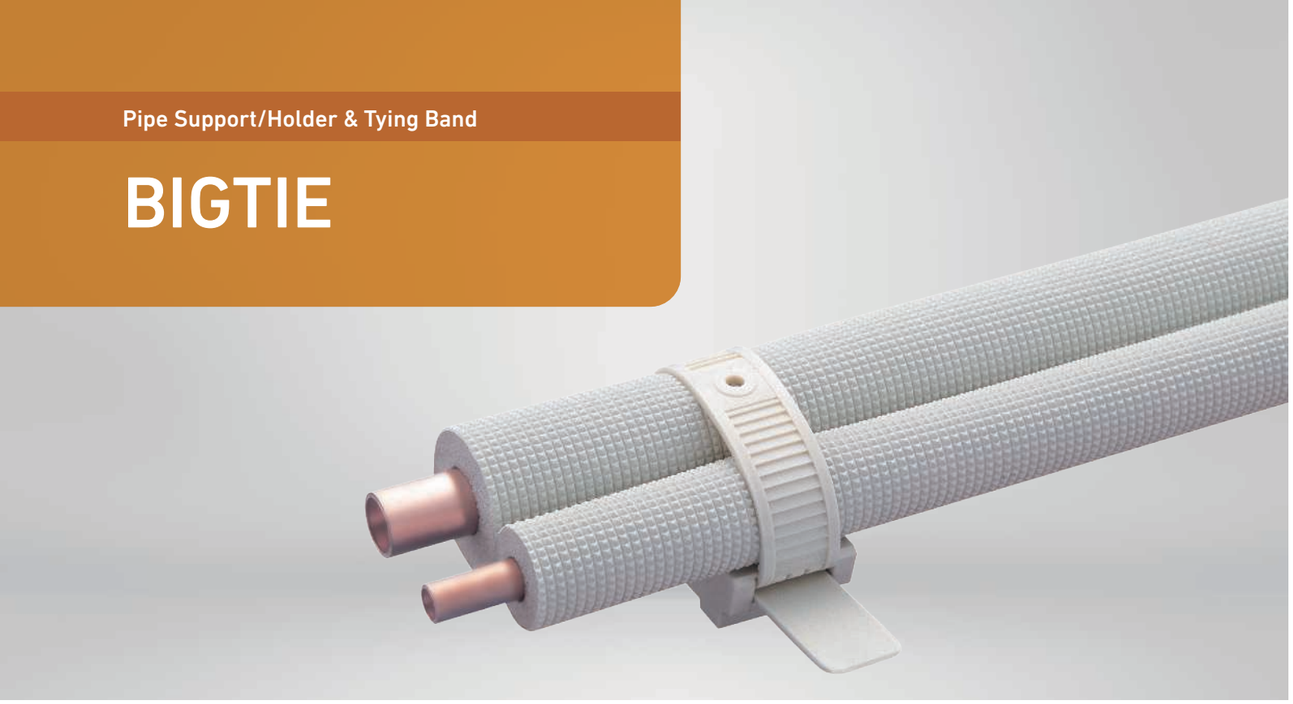


Item No.	Applicable threaded rod	Pcs/Pkg
FL-E	W3/8	50

*Material . . . Unichrome Finish

Pipe Support/Holder & Tying Band

BIGTIE



Secure Fastener

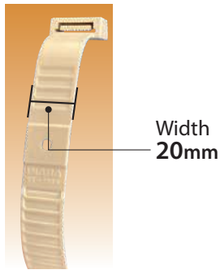
Wide plastic pipe tie.

CONVENIENT

Available in small packages for convenience on the go.

WIDE

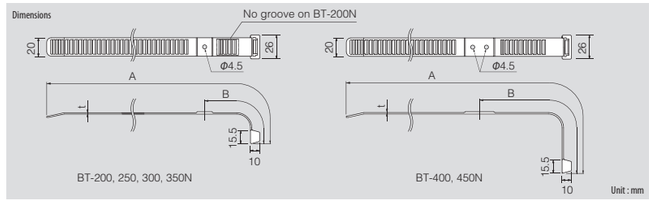
Distributes the pressure on the insulation surface without causing insulation damage.



ADJUSTABLE

Use a flat head screw driver to press on the bar release the lock and adjust the tie.
(Intended for single use)

BT BIGTIE



Item No.	Binding diameter	Applicable pipe size		A	B	t	Bags/Pkg*
		Copper pipe	Insulation Thickness				
BT-200N	φ20 ~ φ 50	1/4″ × 3/8″	8 × 8	200	50	1.4	40
BT-250N	φ30 ~ φ 66	3/8″ × 5/8″	8 × 10	250	80	1.4	40
BT-300N	φ33 ~ φ 82	1/2″ × 1-1/8″	10 × 10	300	90	1.5	20
BT-350N	φ40 ~ φ 98	3/4″ × 1-1/2″	10 × 10	350	100	1.5	20
BT-400N	φ48 ~ φ114	3/4″ × 1-1/2″	10 × 20	400	150	1.6	20
BT-450N	φ54 ~ φ130	7/8″ × 1-3/4″	10 × 20	450	170	1.6	20

*Material . . . PP
*20pcs./bag

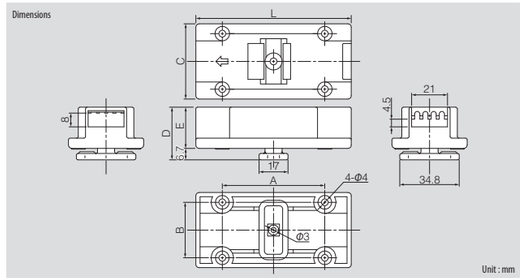
Specifications
- Temperature range . . . -10 ~ 50℃
- Working temperature . . . 0 ~ 40℃

Caution
- Binding diameter is reduced when BIGTIE is used with BHC Mounting Clip.
- BIGTIE is designed for tying pipes. Do not use with loaded condition such as hanging horizontal piping or supporting vertically.
- Cutting under low temperature may cause crack on the band.
- Make sure to insert the band into the hole appropriately.
- Bigtie can not be used repeatedly.

BHC BIGTIE HOLDER

BHC-1-2

BHC-3



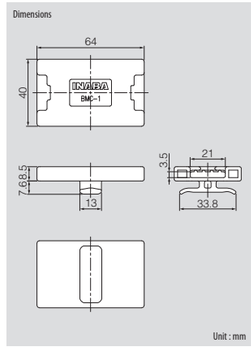
Item No.	L	A	B	C	D	E	Pcs/Pkg
BHC-1	64	52.5	32.5	44	23.2	16.5	100
BHC-2	78	66.5	32.5	44	23.2	16.5	100
BHC-3	91	60	32.5	44	30.8	24.1	100

*Material . . . Body : PP, Hook : ABS

Features
- Bigtie's base to fix onto the strut channel.

Caution
- BT-200 can not be combined with BHC.

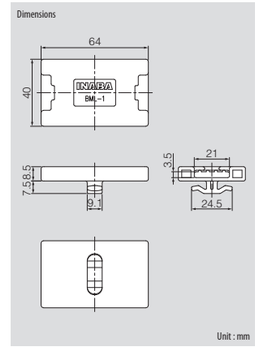
BMC-1 HOLDER FOR STRUT CHANNEL



Item No.	Color Variation	Pcs/Pkg
BMC-1	□	100

*Material . . . POM

BML-1 HOLDER FOR THREADED ANGLE



Item No.	Color Variation	Pcs/Pkg
BML-1	□	100

*Material . . . POM

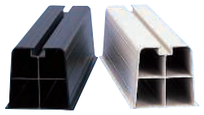
Color Variation: □...White, □...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

PLAROCK™

PR PLAROCK

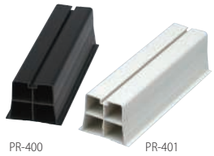
Condenser Riser

PR350 Series

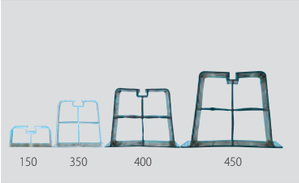


PR-350N PR-351N

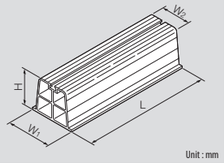
PR400 Series



PR-400 PR-401



Dimensions



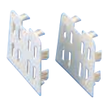
Unit : mm

Caution • Use only within a temperature range of -10℃ to 50℃

Series	Item No.	Color Variation	Allowable load (N[kgf])	Dimension L×W1×W2×H (mm)	Attached bolt	Pcs/Pkg
150	PR-151	□	1,372[140]	360× 86× 80× 40	Dacrotized	20
350	PR-350N	■	1,372[140]	360×100× 80× 95	Dacrotized	20
	PR-351N	□	1,372[140]	360×100× 80× 95	Dacrotized	20
	PR-350N-M	■	1,765[180]	450×100× 80× 95	Dacrotized	20
	PR-351N-M	□	1,765[180]	450×100× 80× 95	Dacrotized	20
	PR-350N-L	■	3,922[400]	1,000×100× 80× 95	N/A	4
	PR-351N-L	□	3,922[400]	1,000×100× 80× 95	N/A	4
400	PR-400	■	3,922[400]	450×150×110×120	HDZ	6
	PR-401	□	3,922[400]	450×150×110×120	HDZ	6
	PR-400-L	■	15,691[1,600]	1,800×150×110×120	N/A	1
450	PR-450P	■	4,413[450]	450×205×137×154	HDZ	6
	PR-1800P	■	17,652[1,800]	1,800×205×137×154	N/A	1

*Material . . . PVC

PRC PLAROCK END COVER



Features
- Clip on cover seals and beautifies open ends of PLAROCK.
- Can be permanently attached with adhesive if required.
- Integral ventilation slots improve thermal resistance.

Caution
- Use of adhesive is recommended to ensure permanent attachment.

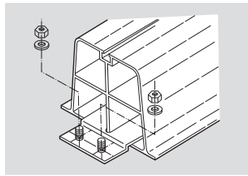
Item No.	Color Variation	Applicable PLAROCK	Set/Pkg*
PRC-350N	■	350N Series	50
PRC-351N	□		50

*Material . . . PVC
*2pcs/set

PR-P PLAROCK RETAINER CLAMP

· 2pcs/set

· Fixing hole diameter (φ10.5 mm)



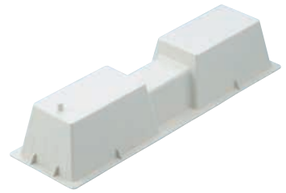
Item No.	Compliant size	L	W	Thickness
PR-P1	400 · 450 Series	120	100	2.3
PR-P2	150 · 350 Series	80	60	2.0

*Material (Surface treatment) . . . SS41 (Hot-dip galvanized)
*2 pieces per set, 1 set required per length of PLAROCK.

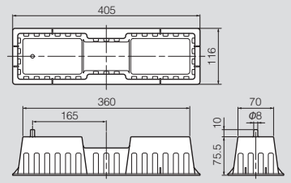
Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

PP CONDENSER RISER & ANTI VIBRATION PAD

LC PP CONDENSER RISER



Dimensions



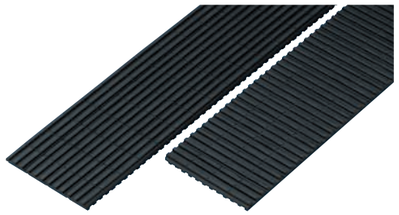
Unit : mm

Specifications
- Temperature Range . . . -10℃ to 50℃ (Surface temperature)
- Allowable Load . . . 588N (60kgf: When using 2pcs at the level)

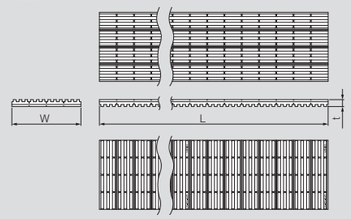
Item No.	Color Variation	Pcs/Pkg
LC-360N	□	50

*Material . . . PP

GPC ANTI-VIBRATION PAD



Dimensions



Unit : mm

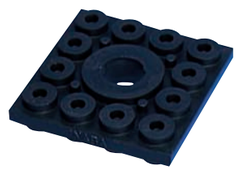
Features
- Absorbs vibration and acts as a buffer to reduce noise transmisson.
- Surface embossed cut lines at 50mm intervals facilitate cutting to size.
- Interval between each projection is enough and ensures that vibration absorption is not compromised even under heavy loads (projections are designed not to touch each other).
- GP can easily be stacked in layers (with the same item No. only).

Caution
- Do not apply this product directly to any PVC floor material as plasticizer ingredient may cause discoloration.

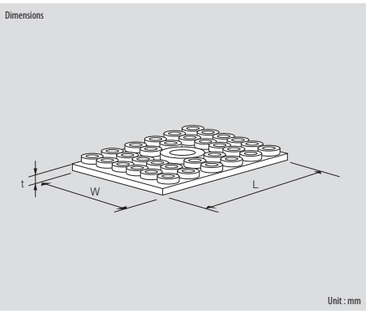
Item No.	Color Variation	Width (W)	Length (L)	Thickness (t)	Pcs/Pkg
GPC-100-10	■	100	1000	10	20
GPC-100-12	■	100	1200	10	20
GPC-150-10	■	150	1000	10	10
GPC-300-03	■	300	300	10	20
GPC-100T15-10	■	100	1000	10	10

*Material . . . NR + SBR

GPS ANTI-VIBRATION PAD



Dimensions



Unit : mm

Features
- Absorbs vibration and acts as a buffer to reduce noise transmission.

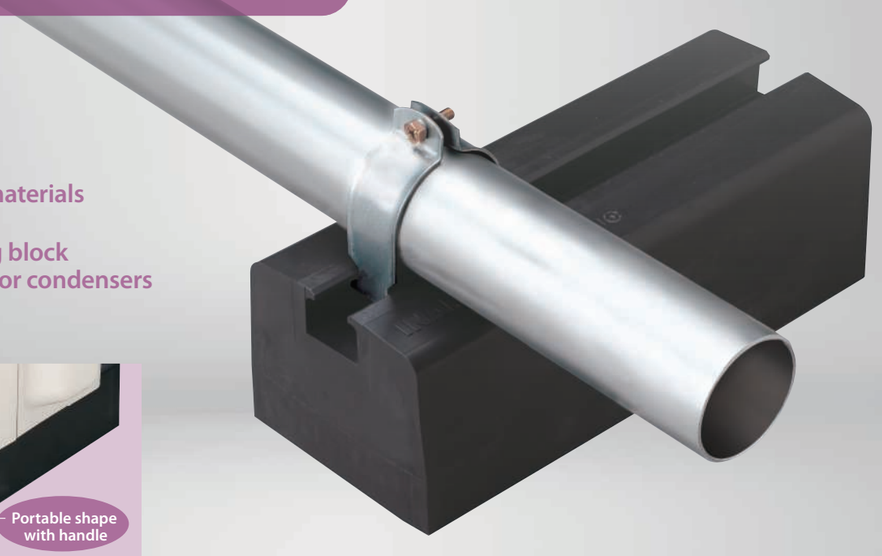
Specifications
- Chloroprene rubber is used as material which offers superior weather and thermal resistance.

Item No.	Color Variation	Width (W)	Length (L)	Thickness (t)	Hole Diameter	Pcs/Pkg
GPS-50-50	■	50	50	10	φ13	240
GPS-80-80	■	80	80	10	φ13	120
GPS-100-100	■	100	100	10	φ13	60

Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

Condenser Riser & Bracket

RECYCROCK



Eco-friendly
– uses recycled materials

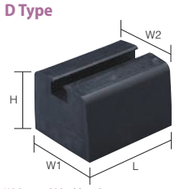
Versatile mounting block
for pipes, cables or condensers

3/8 Rail Type

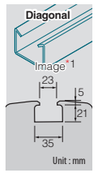
CR RECYCROCK

Multiple use Support System

D Type

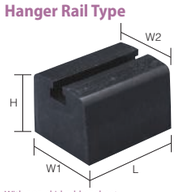


With non-skid rubber sheet

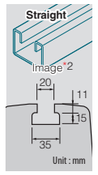


*1 . . . Metal rail is not attached.

Hanger Rail Type

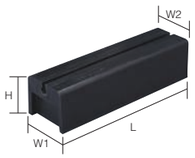


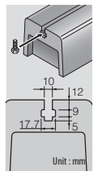
With non-skid rubber sheet



*2 . . . Metal rail is not attached.

3/8 Rail Type





Specifications
- Temperature Range . . . -10℃ ~ 50℃
- Material . . . Exterior : Recycled resin (PP, PE) / Interior : Eco-concrete / Rubber sheet : Recycled rubber

[CR-D] RECYCROCK – D Type

Item No.	Color Variation	Rubber sheet	Dimension L×W1×W2×H (mm)	Weight	Pcs/Pkg
CR-D0715	■	√	150×120×110× 70	1.4kg	12
CR-D0730	■	√	300×120×110× 70	2.8kg	6
CR-D1015	■	√	150×120×110×100	2.3kg	8
CR-D1030	■	√	300×120×110×100	4.6kg	4
CR-D1045	■	√	450×120×110×100	5.2kg	2
CR-D1060	■	√	600×120×110×100	5.8kg	2

[CR-H] RECYCROCK – Hanger Rail Type

Item No.	Color Variation	Rubber sheet	Dimension L×W1×W2×H (mm)	Weight	Pcs/Pkg
CR-H0715	■	√	150×120×110× 70	1.4kg	12
CR-H0730	■	√	300×120×110× 70	2.8kg	6
CR-H1015	■	√	150×120×110×100	2.3kg	8
CR-H1030	■	√	300×120×110×100	4.6kg	4

[CR-W] RECYCROCK – 3/8 Rail Type

Item No.	Color Variation	Rubber sheet	Dimension L×W1×W2×H (mm)	Weight	Allowable face load (N[kgf])*3	Pcs/Pkg
CR-W1015	■	√	150×120×110×100	2.3kg	7,840 [800]	8
CR-W1040	■	-	400×120×110×100	5.0kg	7,840 [800]	2
CR-W1050	■	-	500×120×110×100	5.4kg	7,840 [800]	2
CR-W1060	■	-	600×120×110×100	5.8kg	7,840 [800]	2

*3 … Allowable face load is calculated on equal loading over 100% of surface area.

[CR-BZ] BOLT SET for 3/8 Rail Type

Item No.	Color Variation	Contents	Pcs/Pkg
CR-BZ	■	W3/8 Hex bolt (L45 HDZ) × 2 pcs, W3/8 Hex bolt (HDZ) ×2 pcs, W3/8 Washer (HDZ) × 2 pcs	10sets

Color Variation: □...White, ■...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

Tape/Sleeve

TAPE

HF ADHESIVE TAPE [Standard Thickness]

Item No.	Color Variation	Size (W×L)	Thickness	Pcs/Pkg
HF-0191-B	■	19mm×10m	0.2mm	200
HF-0191-NI	New Ivory	19mm×10m		200
HF-50	□ ■■■■	50mm×20m		80
HF-50-NI	New Ivory	50mm×20m		80

*Material . . . PVC

HV ADHESIVE TAPE [Reduced Thickness]

Features
- Thinner than the above HF series, improved flexibility allows ease of application.

Item No.	Color Variation	Size (W×L)	Thickness	Pcs/Pkg
HV-50-I	■	50mm×20m	0.18mm	80
HV-25-I	■	25mm×20m	0.18mm	200

*Material . . . PVC

HY New Non-Adhesive Tape NEOPITA TAPE

Features
- Specially formulated non-adhesive tape will not unroll by itself even if dropped during application. See picture on left.

Item No.	Color Variation	Size (W×L)	Thickness	Pcs/Pkg
HY-50-I	■	50mm×18m	0.12mm	120
HY-50-NI	New Ivory	50mm×18m	0.12mm	120
HY-75-I	■	75mm×18m	0.12mm	80

Item No.	Color Variation	Size (W×L)	Thickness	Pcs/Pkg
HS-50-I	■	50mm×18m	0.12mm	120
HS-75-I	■	75mm×18m	0.12mm	80

*Material . . . PVC

HN NON-ADHESIVE TAPE

Ref
Tape color details
- Ivory Color Tapes HY, HF, HV are all similar in color to Ivory, SD & NSD lineset trunking.

Item No.	Color Variation	Size (W×L)	Thickness	Pcs/Pkg
HN-50	□ ■■■■	50mm×18m	0.15mm	120
HN-50-NI	New Ivory	50mm×18m	0.15mm	120
HN-75	□ ■■ ■	75mm×18m	0.15mm	80

Item No.	Color Variation	Size (W×L)	Thickness	Pcs/Pkg
HK-50-I	■	50mm×18m	0.15mm	120
HK-75-I	■	75mm×18m	0.15mm	80

*Material . . . PVC

VT VINYL TAPE

Item No.	Color Variation	Size (W×L)	Thickness	Pcs/Pkg
VT-19×10	□ ■■ ■■■■*	19mm×10m	0.2mm	200
VT-19×20		19mm×20m		200

*Material . . . PVC
*Use HF-0191 for 19mm width Brown and New Ivory color.

Color Variation: □...White, ■...Ivory, ■...Grey, ■...Brown, ■...Black, ■...Yellow, ■...Red, ■...Bule

UV RESISTANT TAPE

Very Strong Against Sunshine

Protects exposed insulation from the damages of solar UV exposure.

Best choice to cover the exposed insulation !

Same UV resistant performance as our New UV Resistant P.E. insulated copper tube.

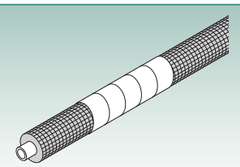
3-times performance of Weather Resistance compared with our previous product.

*according to the actual measurement by our internal test.

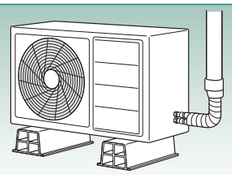
Tight Grip

Fits perfectly into the embossed insulation surface.

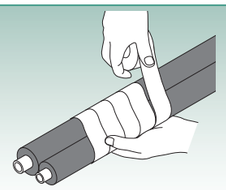
Insulation without UV protection damaged by solar UV exposure



Connecting of our UV resistant insulated copper tube



Covering of exposed piping between AC outdoor unit and Slimduct



Maintenance for rubber insulation

UVT-50 UV RESISTANT TAPE

If without any protection, normal insulation will rag against sunshine UV rays.
That damaged insulation will cause condensation problem or poor performance of AC.

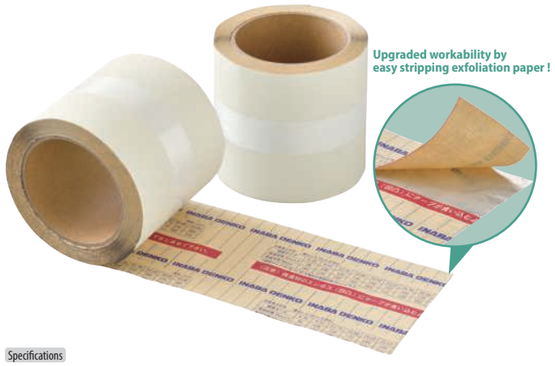
Item No.	Color Variation	Size (W×L)	Pcs/Pkg
UVT-50-I	□	50mm×20m	24
UVT-25-I	□	25mm×20m	48

*Material . . . Polyethylene

Color Variation: □...White, □...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

INSULATION JOINT ADHESIVE TAPE JTA

JTA INSULATION JOINT ADHESIVE TAPE



Adhesive is not strong.
Does not withstand the thermal shrinkage force, and detaches from the jointing point.

**High strength adhesive keeps jointing point connected.
Fits perfectly into the embossed insulation surface.
Features polyester thread in the center for enhanced performance.**

Specifications
- Temperature Range … -10℃ to 60℃

How to use
1) Remove all the dirt and dust from the surface, and joint the insulations without any gap.
2) When taping, make sure joint part of the insulation comes to the center of the tape.
3) Wrap a tape around insulation to overlap at least 10mm, and press it with hands to fit into the (uneven) emboss film.

Item No.	Color Variation	Size (W×L)	Pcs/Pkg
JTA-100-I	□	100mm×10m	12

*Material . . . Aluminum foil + Polyester string contained tape (center part)

Reference Table for Required Length of Insulation Joint Tape JTA (Unit:mm)

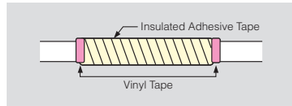
Compliant Pipe Size	1/4″	3/8″	1/2″	5/8″	3/4″	7/8″	1″	1-1/8″	1-1/4″	1-3/8″	1-1/2″	1-5/8″	1-3/4″	2″	2-1/8″
Insulation Thickness 10mm*	85	95	120	130	140	150	160	170	180	190	200	210	220	270	280
Insulation Thickness 20mm	160	170	180	190	205	210	220	230	240	250	265	275	280	305	315

*Insulation thickness for pipe size 6.35mm and 9.52mm is 8mm, and the one for 50.80mm and 53.98mm is 15mm.
*The figures in the table are for reference purpose. Lengths may differ from table due to insulation's outer diameter. When applying, adjust the length according to actual insulation.

DHF INSULATED ADHESIVE TAPE

Features
- Suitable for condensation prevention at pipe jointing part.
- With exfoliation paper to keep adhesive strength.

Caution
- Please fix both ends of insulated adhesive tape by vinyl tape to prevent insulated adhesive tape from peeling off.



Item No.	Color Variation	Size (W×L)	Insulation thickness	Pcs/Pkg
DHF-50-LG	Light Grey	50mm×3m	4mm	60

*Material . . . Chemical cross-linked 30 times foamed polyethylene
(JIS A9511 A-PE-C-2 Standard / Insulation thermal resistance up to 120℃)

DHV INSULATED ADHESIVE TAPE

Features
- It can be used easily in several ways to prevent condensation, such as for partial additional taping because this tape itself is made by insulation material.

Caution
- Please fix both ends of insulated adhesive tape by vinyl tape to prevent insulated adhesive tape from peeling off.
- Please keep away from direct sunshine and keep at cool place.

Item No.	Size (W×L)	Insulation thickness	Pcs/Pkg
DHV- 5010	50mm×10m	3mm	12
DHV- 5020	50mm×20m	3mm	12
DHV- 7510	75mm×10m	3mm	8
DHV- 7520	75mm×20m	3mm	8
DHV-10010	100mm×10m	3mm	6
DHV-10020	100mm×20m	3mm	6

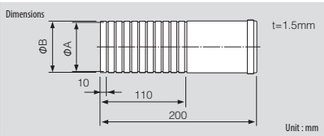
*Material . . . Chemical cross-linked 30 times foamed polyethylene.
(JIS A9511 A-PE-C-1 Standard / Insulation thermal resistance up to 70℃)

Color Variation: □...White, □...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

WALL SLEEVE

FP PLAIN WALL SLEEVE

Typical installation in combination with WC WALL CAP

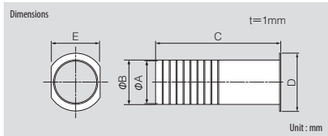


Features
- Cutmarks embossed at 1cm intervals on sleeve surface facilitate cutting to correct length.

Item No.	Color Variation	Applicable WALL CAP	A (I.D.)	B (O.D.)	I.D. in combination with UWC	I.D. in combination with WC	Core drill diameter	Pcs /Pkg
FP-60N	☐	WC-60N,UWC-60	61.5	63.5	58	57	65	100
FP-65N	☐	WC-65N,UWC-65	66.5	68.5	63	62	70	100
FP-75N	☐	WC-75N	75.5	78.5	-	71	80	100

*Material . . . PE

FPW FLANGED WALL SLEEVE



Features
- Cutmarks embossed at 1cm intervals on sleeve surface facilitate cutting to correct length.
- Integral flange prevents the sleeve from dropping to wall cavity.
- Can be used with WC & UWC WALL CAP.

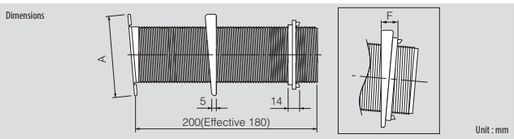
Item No.	Color Variation	A (I.D.)	B (O.D.)	C	D	E	Core drill diameter	Pcs /Pkg
FPW-60	☐	61.5	63.5	180	83.5	70	65	100
FPW-65	☐	66.5	68.5	200	88.5	76	70	50
FPW-70	☐	71.5	73.5	200	93.5	81	75	50

*Material . . . PE+PP *Color . . . Ivory (Silky White)

FPS FLANGED WALL SLEEVE

Features
- Integral 5° slope ensures correct pitch for drain line.
- Sleeve is easily secured tightly onto wall by tightening locknut.

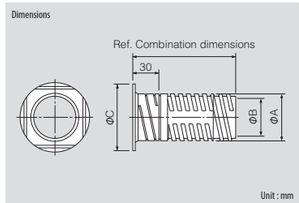
Caution
- Joint, fixing, and penetration points must be waterproofed with caulk or putty.
- When drilling hole in the wall, take into account wall thickness as well as slope to ensure that 5° pitch is maintained.



Item No.	Color Variation	A	I.D.	Core drill diameter	Effective length(max)	F	Pcs /Pkg
FPS-85	☐	130.0	84.5	φ95	180mm	23	10

*Material . . . PE

NFP NEW WALL SLEEVE



Features
- Length is adjustable between 100mm ~ 180mm without cutting.
- Wide flange allows penetration with slope up to 5°.
- Unitary construction is easy to caulk and prevents water and pest damage.

Caution
- Joint, fixing, and penetration points must be waterproofed with caulk or putty.
- Cannot adjust for lengths between 105mm ~ 127mm.

Item No.	Color Variation	A (O.D.)	B (I.D.)	C	Core drill diameter	Pcs /Pkg
NFP-60	☐	61.5	50.5	85	65	100
NFP-65	☐	66.5	55.5	90	70	100
NFP-75	☐	76.5	65.5	100	80	50

*Material . . . PE

NFP Description of Part Names

A (Flange)	B (Body)	C (End)

Combination Dimensions

Parts Combination	Adjustable Length	NFP Required Q'ty
A+B A+C	99mm~105mm	1 set
A+B+C	127mm~180mm	1 set
A+B+B+C	196mm~255mm	2 sets
A+B+B+B+C	265mm~330mm	3 sets

*Minimum 24mm overlap is required for each component when assembling.
*To attach NWC WALL CAP to part B or C, adjust sleeve to exact thickness of wall.
*To replace part A with NWC WALL CAP, reduce sleeve length to 10mm less than wall thickness.

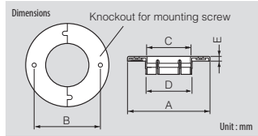
NFP-S NEW WALL SLEEVE KIT

Item No.	Color Variation	Contents	Pcs /Pkg
NFP-60S	☐	NFP-60+(NWC-60+NWM-C)×2	30
NFP-65S	☐	NFP-65+(NWC-65+NWM-C)×2	30
NFP-75S	☐	NFP-75+(NWC-75+NWM-C)×2	30

Color Variation: ☐...White, ▒...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

WALL CAP

WC WALL CAP



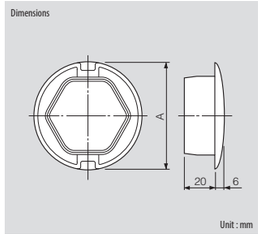
Features
- Split construction ensures ease of installation.
- Use in combination with FP-60N, FP-65N, FP-75N.
- Locking tab snaps off to provide holes for extra mounting screws.
- Scored line facilitates trimming of flange to fit into tight spaces.

Caution
- Joint, fixing, and penetration points must be waterproofed with caulk or putty.

Item No.	Color Variation	A	B	C (I.D.)	D (O.D.)	E	Pcs/Pkg
WC-60N-I	☐	112	96	57	61.5	6	200
WC-65N-I	☐	117	98	62	66.5	6	200
WC-75N-I	☐	127	105	71	75.5	6	200
WC-65-W	☐	117	98	62	66.5	3	200

*Material . . . PP

WM WC HOLE COVER

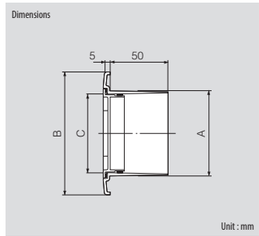


Features
- Use in combination with WC-60, WC-65 or WC-75.

Item No.	Color Variation	A	Pcs/Pkg
WM-60-I	☐	70	100
WM-65-I	☐	76	100
WM-75-I	☐	86	100
WM-65-W	☐	76	100

*Material . . . EVA

AC A/C CAP

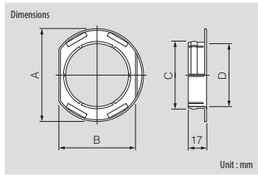


Caution
- Joint, fixing, and penetration points must be waterproofed with caulk or putty.

Item No.	Color Variation	Applicable pipe (I.D.×O.D.)	A	B	C	Pcs/Pkg
AC- 67	☐▒	VP-65 (67×76)	66.5	89	58.5	50
AC- 75	☐▒	SU-75 (75×80)	74.5	108	67.0	50
AC-100	☐▒	SU-100 (100×106) VP-100 (100×114)	99.0	130	91.0	50

*Material . . . ABS *Color . . . Ivory (Silky White)

UWC WALL CAP – Thin Type



Features
- Apply for WALL SLEEVE FP and FPW series.

Caution
- Joint, fixing, and penetration points must be waterproofed with caulk or putty.

Item No.	Color Variation	A	B	C (O.D.)	D (I.D.)	Pcs/Pkg
UWC-60	☐	85	70	61.5	58	200
UWC-65	☐	90	76	66.5	63	200

*Material . . . PE *Color . . . Ivory (Silky White)

AP SEALANT PUTTY for A/C

Features
- All weather, fire retardant non-drying putty with superior adhesion.
- Temperature range : -20℃~50℃
- Working temperature : 5℃~40℃
- * Putty will harden below 5℃, always heat before use at this temperature.

Caution
- Oil in putty may stain wallpaper if in direct contact. Use WALL CAP (WC) or A/C CAP (AC) to separate putty from wall surface.

① Open the bag and take out the putty.

② Knead the putty by hand.

③ Stuff the putty.

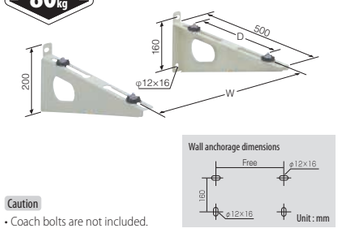
Item No.	Color Variation	Contents	Pcs/Pkg
AP- 200	☐▒■	200g	100
AP-1000	☐▒■	1000g	20

Color Variation: ☐...White, ▒...Ivory, ■...Anthracite grey, ■...Brown, ■...Black

WALL BRACKET – Separated Type

Use	For Wall
Item No.	**C-BFG-L**
Specification / Material	Powder Coating
A/C applicable size	W : Free D : 140 ~ 440
Min. lot	6

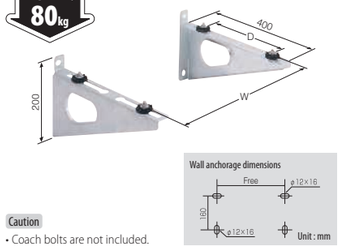
Capacity 80kg



Caution
• Coach bolts are not included.

Use	For Wall
Item No.	**C-BZFG**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : Free D : 100 ~ 330
Min. lot	6

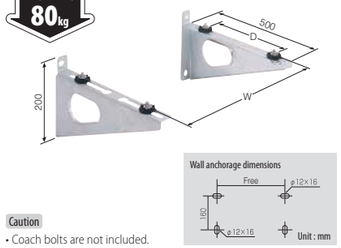
Capacity 80kg



Caution
• Coach bolts are not included.

Use	For Wall
Item No.	**C-BZFG-L**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : Free D : 140 ~ 440
Min. lot	6

Capacity 80kg

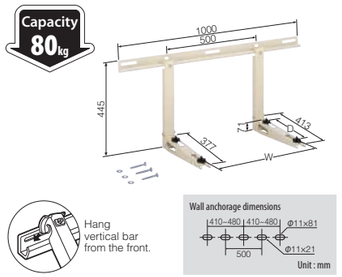


Caution
• Coach bolts are not included.

WALL BRACKET

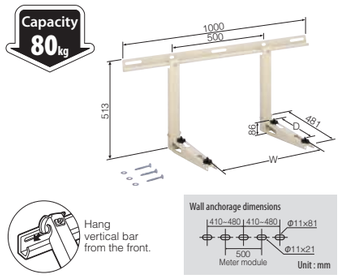
Use	For Wall
Item No.	**C-KG**
Specification / Material	A highly corrosion resistant hot dip galvanized steel + Powder Coating
A/C applicable size	W : 70 ~ 940 D : 160 ~ 340
Min. lot	4

Capacity 80kg



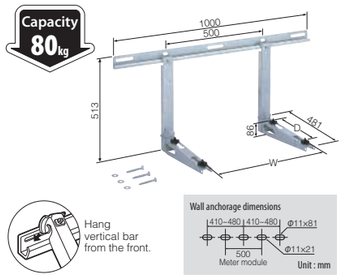
Use	For Wall
Item No.	**IC-KG-L**
Specification / Material	A highly corrosion resistant hot dip galvanized steel + Powder Coating
A/C applicable size	W : 70 ~ 940 D : 160 ~ 400
Min. lot	4

Capacity 80kg



Use	For Wall
Item No.	**C-KZG-L**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : 70 ~ 940 D : 160 ~ 400
Min. lot	4

Capacity 80kg

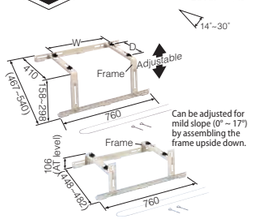


SLOPED ROOF BRACKET

Use	For Sloped Roof
Item No.	**C-YG**
Specification / Material	A highly corrosion resistant hot dip galvanized steel + Powder Coating
A/C applicable size	W : 300 ~ 700 D : 180 ~ 330
Min. lot	4

Capacity 80kg

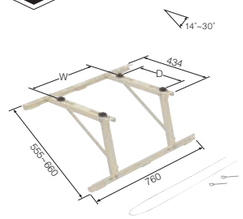
Pitch of roof 14° ~ 30° (2.5/10 ~ 5.8/10)
Mild slope 0° ~ 17° (Level ~ 3/10)



Use	For Sloped Roof
Item No.	**IC-YUG**
Specification / Material	A highly corrosion resistant hot dip galvanized steel + Powder Coating
A/C applicable size	W : 100 ~ 700 D : 160 ~ 340
Min. lot	4

Capacity 80kg

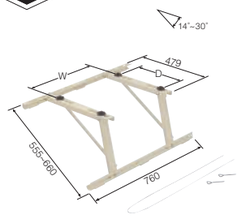
Pitch of roof 14° ~ 30° (2.5/10 ~ 5.8/10)



Use	For Sloped Roof
Item No.	**IC-YUG-L**
Specification / Material	A highly corrosion resistant hot dip galvanized steel + Powder Coating
A/C applicable size	W : 100 ~ 700 D : 160 ~ 400
Min. lot	4

Capacity 80kg

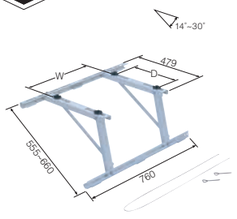
Pitch of roof 14° ~ 30° (2.5/10 ~ 5.8/10)



Use	For Sloped Roof
Item No.	**C-YUZG-L**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : 100 ~ 700 D : 160 ~ 400
Min. lot	4

Capacity 80kg

Pitch of roof 14° ~ 30° (2.5/10 ~ 5.8/10)

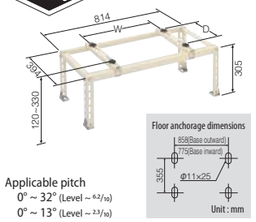


SLAB STAND

Use	For Flats
Item No.	**IC-NG**
Specification / Material	A highly corrosion resistant hot dip galvanized steel + Powder Coating
A/C applicable size	W : 300 ~ 700 D : 160 ~ 340
Min. lot	3

Capacity 80kg

H300mm
Frame clips together for easy assembly

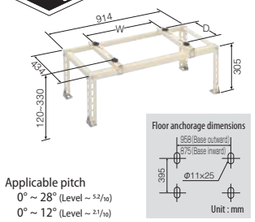


Applicable pitch
0° ~ 32° (Level ~ 4.2/10)
0° ~ 13° (Level ~ 2.3/10)

Use	For Flats
Item No.	**C-NG-L**
Specification / Material	A highly corrosion resistant hot dip galvanized steel + Powder Coating
A/C applicable size	W : 400 ~ 800 D : 200 ~ 380
Min. lot	2

Capacity 80kg

H300mm
Frame clips together for easy assembly



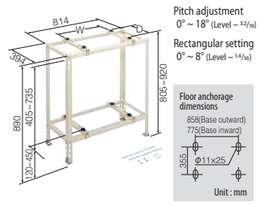
Applicable pitch
0° ~ 28° (Level ~ 5.2/10)
0° ~ 12° (Level ~ 2.1/10)

DUPLEX STAND

Use	For Two-Stage Flats
Item No.	**C-WG**
Specification / Material	A highly corrosion resistant hot dip galvanized steel + Powder Coating
A/C applicable size	W : 300 ~ 700 D : 160 ~ 340
Min. lot	2

Capacity 80kg×2units

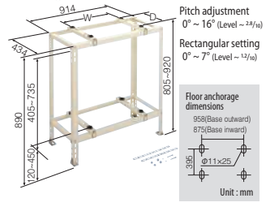
Effective A/C dimensions on 1st step
(Width) 734 (Depth) 314 (Height) 735
Frame clips together for easy assembly



Use	For Two-Stage Flats
Item No.	**C-WG-L**
Specification / Material	A highly corrosion resistant hot dip galvanized steel + Powder Coating
A/C applicable size	W : 400 ~ 800 D : 200 ~ 380
Min. lot	2

Capacity 80kg×2units

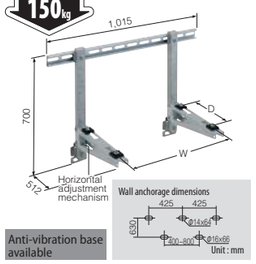
Effective A/C dimensions on 1st step
(Width) 834 (Depth) 354 (Height) 735
Frame clips together for easy assembly



WALL BRACKET

Use	For Wall
Item No.	**PC-KJ31**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : 400 ~ 800 D : 250 ~ 380
Min. lot	1

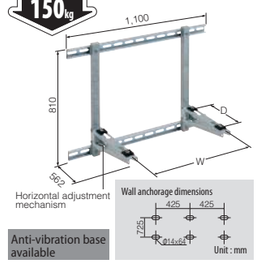
Capacity 150kg



Anti-vibration base available

Use	For Wall
Item No.	**PC-KJ60**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : 400 ~ 1,000 D : 300 ~ 430
Min. lot	1

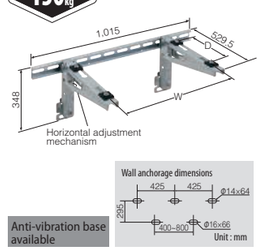
Capacity 150kg



Anti-vibration base available

Use	For Wall
Item No.	**PC-BJ30**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : 400 ~ 800 D : 250 ~ 380
Min. lot	1

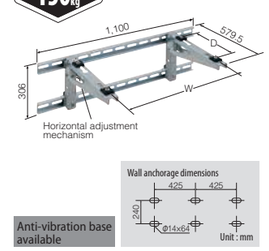
Capacity 150kg



Anti-vibration base available

Use	For Wall
Item No.	**PC-BJ60**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : 400 ~ 1,000 D : 300 ~ 430
Min. lot	1

Capacity 150kg



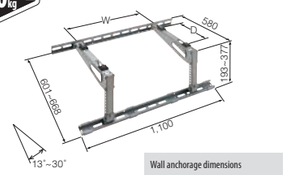
Anti-vibration base available

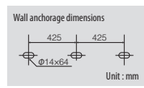
SLOPED ROOF BRACKET

Use	For Sloped Roof
Item No.	**PC-YJ60**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : 400 ~ 1,000 D : 300 ~ 430
Min. lot	1

Capacity 150kg

Pitch of roof 13° ~ 30° (2.3/10 ~ 5.8/10)





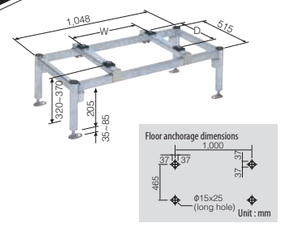
Anti-vibration base available

SLAB STAND

Use	For Flats
Item No.	**PC-NJ33**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : 400 ~ 810 D : 250 ~ 410
Min. lot	1

Capacity 200kg

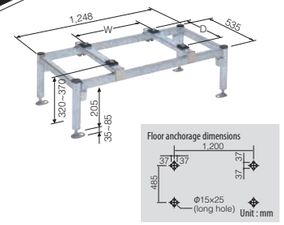
Height 300mm



Use	For Flats
Item No.	**PC-NJ63**
Specification / Material	Hot-Dip Galvanized
A/C applicable size	W : 400 ~ 1,010 D : 270 ~ 430
Min. lot	1

Capacity 200kg

Height 300mm



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