

Installation Materials for
Air-Conditioners

INABA DENKO

INABA DENKO

A Japanese manufacturer dedicated to HVAC professionals,
delivering reliable installation solutions worldwide.

Function & Beauty

A design philosophy that unites functionality and aesthetics.
INABA DENKO is committed to creating products that are
functional, beautiful, and valuable to society.

88

Years of
Engineering

Born in Japan. Built for the World.

History of Inaba Denki Sangyo

Our foundation

1938

Originally found as
Inaba Denki Seisakusho
in Osaka

1978

Established as
INABA DENKO
(HVAC division)

1988

Our global expansion
begins

Presents

Our global expansion
continues to grow

Employees



1,691

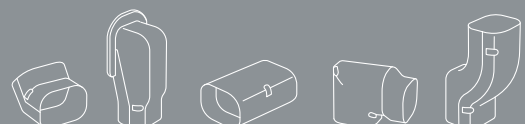
(Inaba Denki Sangyo)

200

(INABA DENKO)

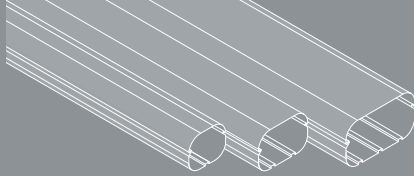
Product Range

+3,000 SKU



Key Product Scale

SLIMDUCT SD



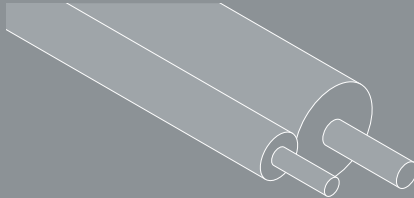
159,874,334
pieces sold

over **70%**
market share in Japan

Based on our internal research (2022).



Pair Coil



21,017,233
coils sold



Global Network

3 Factories
(Japan / Thailand / Vietnam)

3 Global Offices
(Japan / U.S. / Germany)

12 Distribution Centres
(Japan / U.S. / Thailand / Vietnam)



Uncompromising Quality

From development to dispatch, we maintain a seamless quality management system – with rigorous chemical safety management and in-house testing to ensure installability, safety, and environmental performance.



Sustainability

We believe a healthy environment is the foundation of everyday life. Through our HVAC products, we drive energy efficiency and resource circularity – shaping a sustainable future with care for climate and biodiversity.



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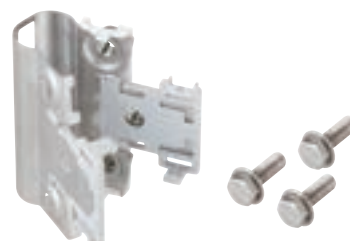
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Trunking System (For Residential Use)

SLIMDUCT™ SD



SLIMDUCT™ SD



Our premium trunking system SLIMDUCT, not only conceals and protects piping but also enhances the aesthetic appeal of any space. With its sleek and stylish design, it seamlessly integrates into modern homes while providing long-lasting protection for your piping.

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.



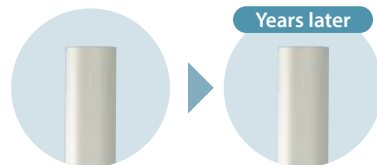
Before

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



Colour

Wide Range of Variation

5 colours to suit any colour scheme

Paintable to match or compliment custom colours. Follow paint manufacturer's recommendations for vinyl products



White
RAL9003



Ivory
RAL7044



Anthracite Grey
RAL7016



Brown
RAL6014



Black
RAL9011

Size

3 Sizes available



Fittings

For an Easy Installation



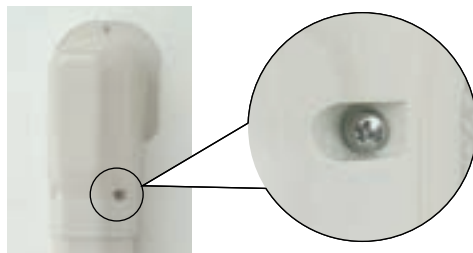
The SLIMDUCT SD series is a versatile trunking system for air-conditioning and heat pump installations. With a wide range of fittings enables an easy installation.

Function

Excellent Performance

Advantage of having screw

When used outdoors, INABA DENKO's fittings are securely fastened with screws, minimizing the risk of the fitting detaching from the wall.



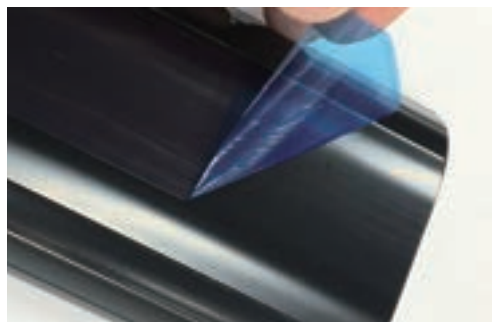
Workability

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



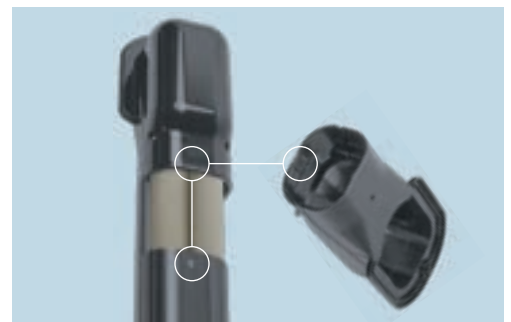
Protective Film

SLIMDUCT BLACK, Brown, and Anthracite grey come with a protective film to eliminate the possibility of visible scratches until the last moment the job is completed.

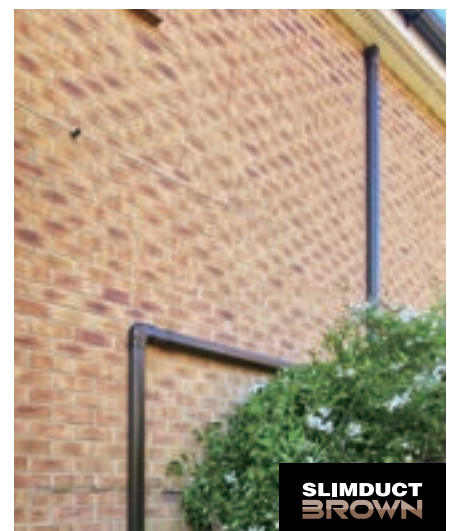


Perforated Design

SLIMDUCT SD's straight duct has small oval perforations to prevent cover slippage, enhancing stability for long-run.



SLIMDUCT Installation Gallery



INABA's Unique fittings

SIF 50mm fixed offset

Our 50mm fixed offset is designed for installations that need to go over obstacles.



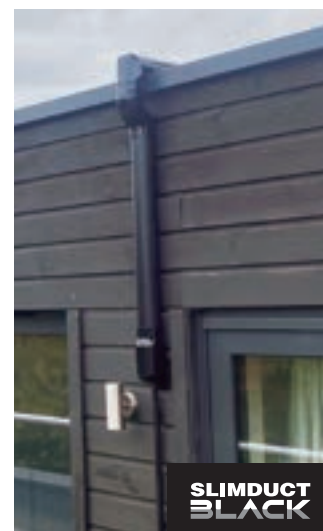
SN 90° twist elbow

Our 90° twist elbow provides an easy solution for transitioning from a vertical to a horizontal installation.



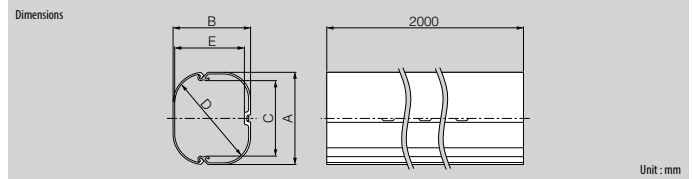
SCS Free (45° to 90°) Vertical Elbow

Our Free vertical elbow allows for flexible installations with angle adjustments from 45 to 90 degrees, and it can stop at any angle in between for precise pipework.



SD**SLIMDUCT SD**

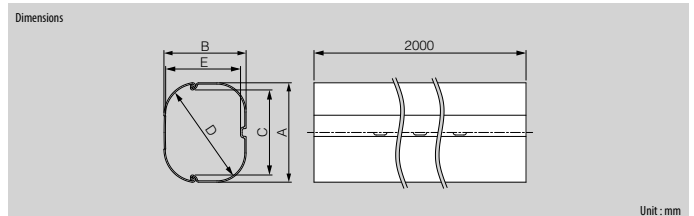
Straight trunking



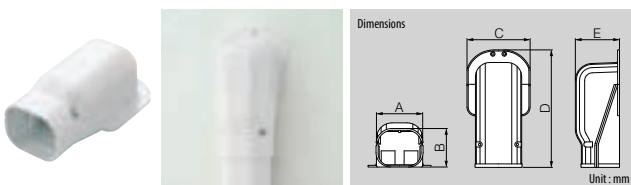
Item No.	Colour Variation	A	B	C	D	E	Pcs/Pkg
SD- 77		75	63	60	76	56	15
SD-100		100	70	86	99	64	10
SD-140		140	80	122	135	73	5

NSD**NEO SLIMDUCT NSD**

Straight trunking



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

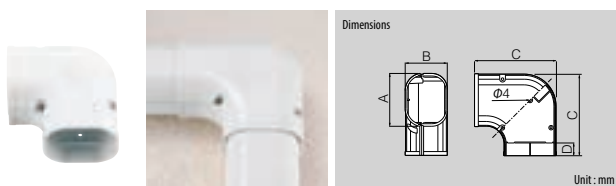
SW**WALL INLET (2 pieces)**

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

(*) shows quantity of black.

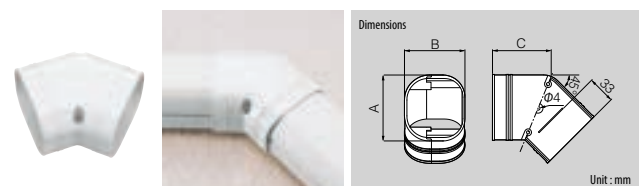
SWA**BASE-FREE WALL INLET (1 piece)**

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

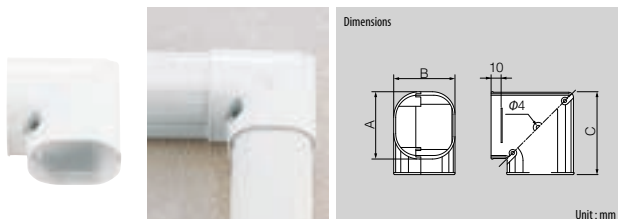
(*) shows quantity of black.

SKF**45° FLAT ELBOW**

Item No.	Colour Variation	A	B	C	Pcs/Pkg
SKF- 77		81	68	65	20
SKF-100		106	75	75	10
SKF-140		147	85	92	5

Colour Variation: ...White, ...Ivory, ...Anthracite grey, ...Brown, ...Black

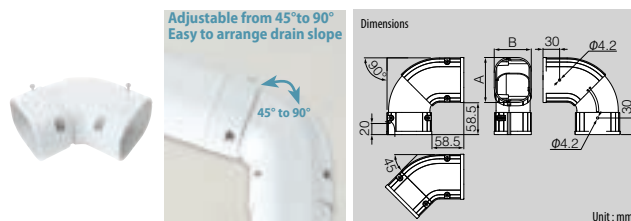
SKM 90° MINI FLAT ELBOW



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

SKS FREE (45° to 90°) FLAT ELBOW

45° to 90°
ELBOW



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

*Material ... PVC

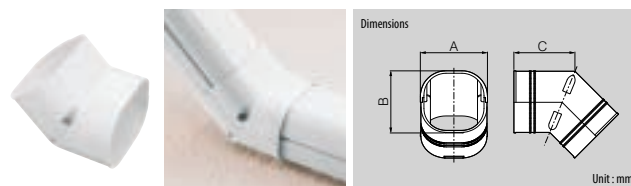
SC 90° VERTICAL ELBOW



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

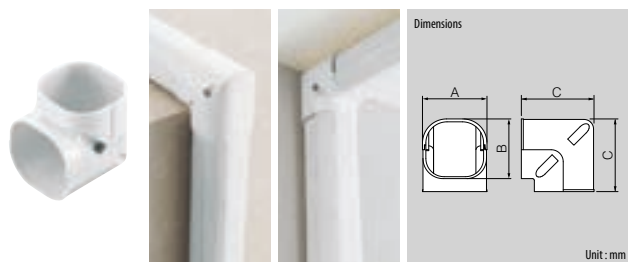
(*) shows quantity of black.

SCF 45° VERTICAL ELBOW



Item No.	Colour Variation	A	B	C	Pcs/Pkg
SCF- 77	□ ■ ■ ■ ■ ■	81	68	61	20
SCF-100	□ ■ ■ ■ ■ ■	107	75	64	10
SCF-140	□ ■ ■ ■ ■ ■	147	85	67	5

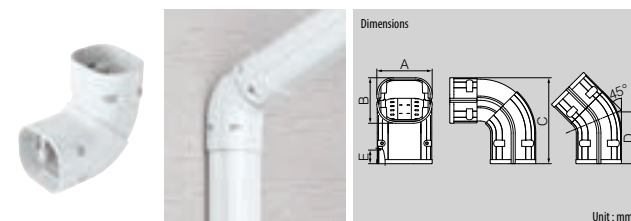
SCM 90° MINI VERTICAL ELBOW



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

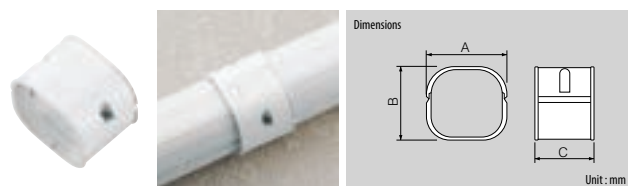
SCS FREE (45° to 90°) VERTICAL ELBOW

45° to 90°
ELBOW



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

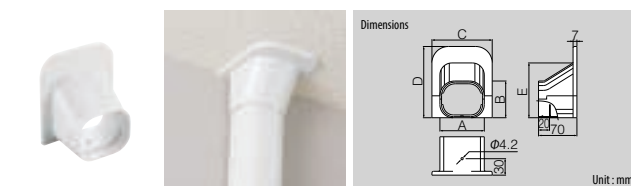
SJ COUPLER



Item No.	Colour Variation	A	B	C	Pcs/Pkg*
SJ- 77	□ ■ ■ ■ ■ ■	81	67	50	10(20)
SJ-100	□ ■ ■ ■ ■ ■	106	75	66	10(20)
SJ-140	□ ■ ■ ■ ■ ■	146	84	90	10

(*) shows quantity of black.

SP SOFFIT INLET



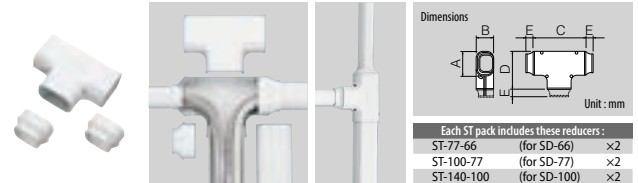
Item No.	Colour Variation	A	B	C	D	E	Pcs/Pkg*
SP- 77	□ ■ ■ ■ ■ ■	81	67	110	130	100	10(20)
SP-100	□ ■ ■ ■ ■ ■	106	74	135	137	107	10
SP-140	□ ■ ■ ■ ■ ■	146	84	175	147	117	5

(*) shows quantity of black.

SE END FITTING

Item No.	Colour Variation	A	B	C	D	E	Pcs/Pkg*
SE-77		53	43	45	82	67	10(20)
SE-100		84	60	46.5	107	74	10(20)
SE-140		84	60	79.5	146	84	10

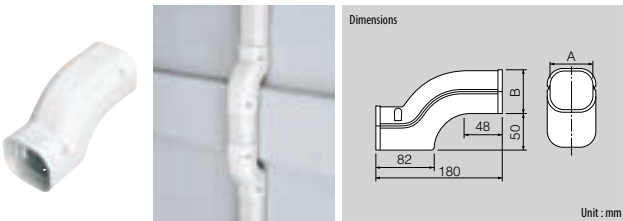
(*) shows quantity of black.

ST T JOINT

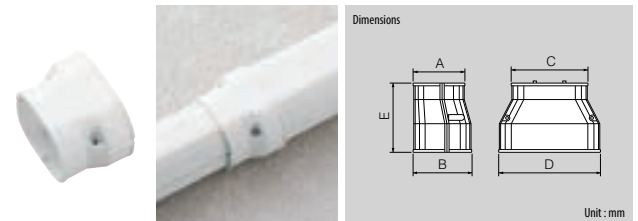
Item No.	Colour Variation	A	B	C	D	E	Pcs/Pkg
ST-77		85	68	165	124	31	10
ST-100		109	78	200	154	33	10
ST-140		148	87	250	199	32	5

Each ST pack includes these reducers:

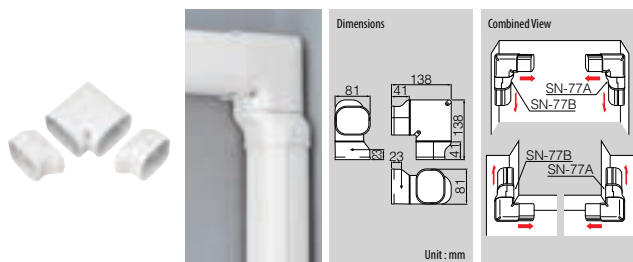
ST-77-66	(for SD-66)	x2
ST-100-77	(for SD-77)	x2
ST-140-100	(for SD-100)	x2

SIF 50MM FIXED OFFSET

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

SDR REDUCER

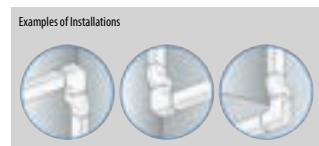
Item No.	Colour Variation	A	B	C	D	E	Pcs/Pkg
SDR-100-77		67	75	81	106	66	20
SDR-140-100		75	84	109	147	100	10

SN 90° TWIST ELBOW

Item No.	Colour 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.	Colour Variation	Pcs/Pkg
SNA-100		5

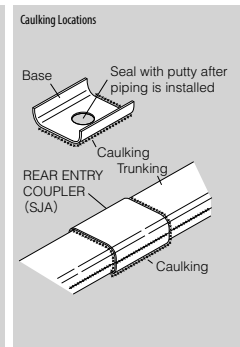
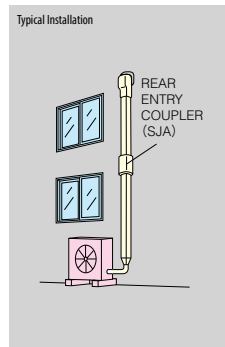
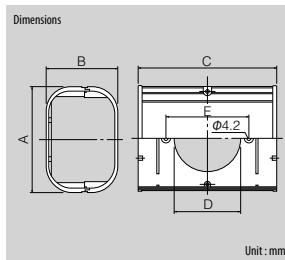
SNB 90° TWIST ELBOW (LEFT TWIST)

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



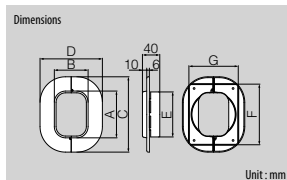
Item No.	Colour Variation	Pcs/Pkg
SNB-100		5

SJA REAR ENTRY COUPLER



Item No.	Colour 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

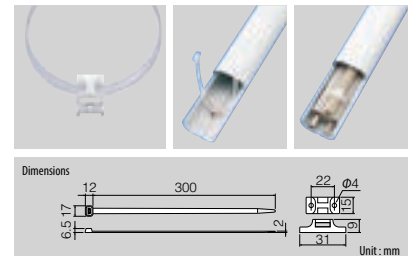
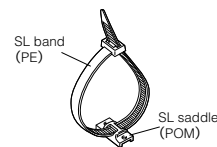


Item No.	Colour Variation	A	B	C	D	E	F	G	H	Diameter of core drill	Pcs/Pkg
SWC-77		83	71	127	115	80	110	90		85	100
SWC-100		108	78	174	144	104	140	114		110	50
SWC-140		148	88	220	180	144	196	154		145	20

*Material ... ABS

SL STRAP KIT

For SLIMDUCT



Item No.	Colour 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



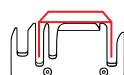
JAN Code / 4953998006133

Item No.	Product Name
VD-2100	Cutter

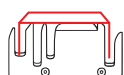
At low temperatures, there is a risk of duct cracking, so make sure to warm the duct with your hands or hot air before cutting.



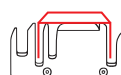
Applicable trunking size



SD-77

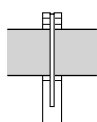


SD-100

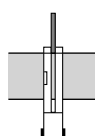


MD-751

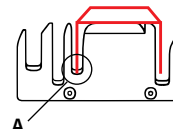
Please cut trunking slowly in all seasons.



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



Please hold the trunking straight.

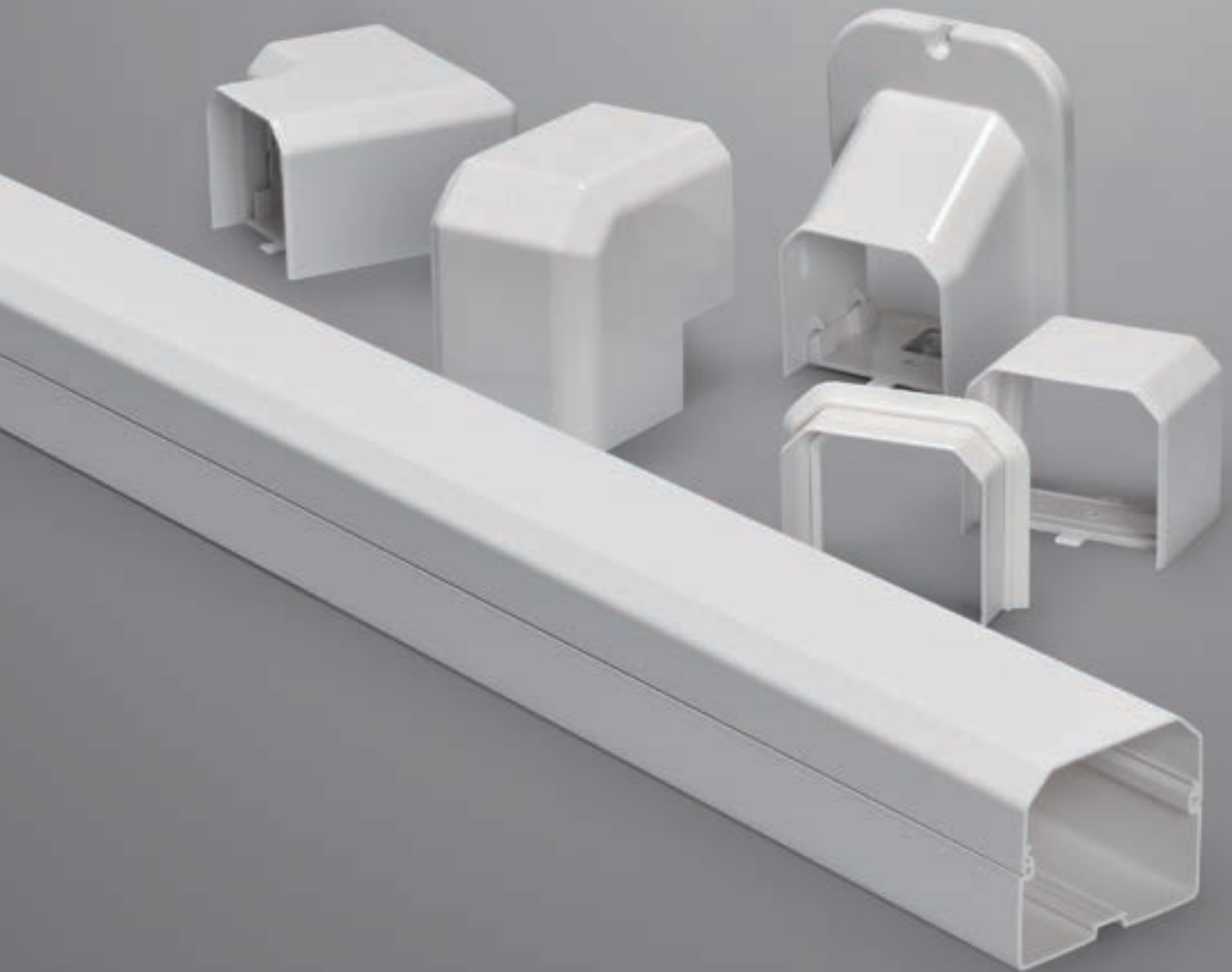


Reduce the cutting speed when the blade reaches the position A.

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

Trunking System (For Residential Use)

SLIMDUCT™ MD



SLIMDUCT™ MD



SLIMDUCT MD is an indoor trunking system designed to blend seamlessly into interior spaces. It complements walls, ceilings, and furniture, creating a clean, discreet finish.

Beauty

Sleek rectangular profile

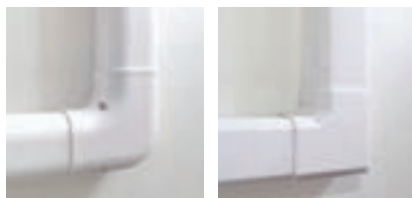
Designed to match the clean lines of indoor units for a seamless, integrated look.



Attention to Detail

Small details that make a big difference to the final finish.
Thoughtful fittings help achieve a perfectly seamless look.

1 No visible screws



SLIMDUCT SD

SLIMDUCT MD

Unlike SLIMDUCT SD, all fixings on SLIMDUCT MD are hidden.

2 Screw-cover cap



Without cap

With cap

Some fittings include screw-cover caps to conceal fixings for a clean, seamless look. (MP, MW)

3 Seamless connection



Without MS

With MS

MS fitting eliminates gaps between the indoor unit and trunking for a seamless finish.

Function

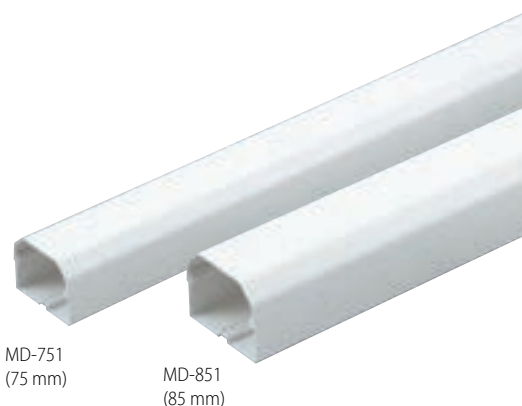
Flame Retardant

SLIMDUCT MD is made from flame retardant materials*.

*Excludes some items.

Size

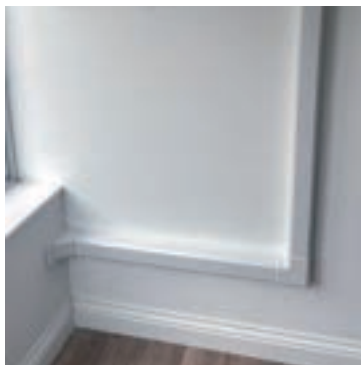
2 size options for different installations



MD-751
(75 mm)

MD-851
(85 mm)

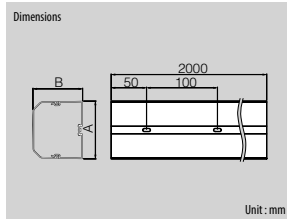
SLIMDUCT Installation Gallery



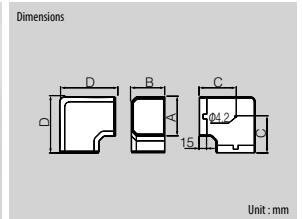
A clean, seamless installation using SLIMDUCT MD with MK, MP, and MS fittings.

MD**SLIMDUCT MD**

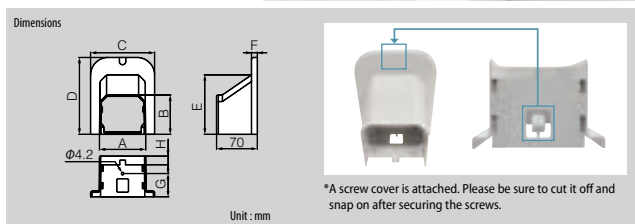
Straight trunking



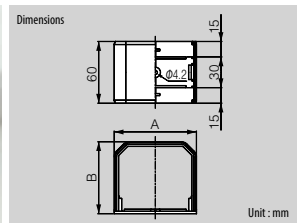
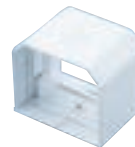
Item No.	Colour Variation	A	B	Pcs/Pkg
MD-751-W	☐	75	65	5
MD-851	☐	85	70	5

MK**90° FLAT ELBOW**

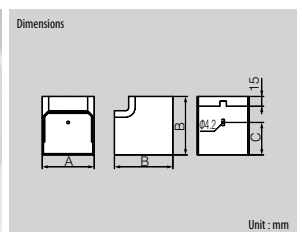
Item No.	Colour Variation	A	B	C	D	Pcs/Pkg
MK-75-W	☐	80	68	74	114	20
MK-85	☐	90	73	79	124	10

MP**SOFFIT INLET**

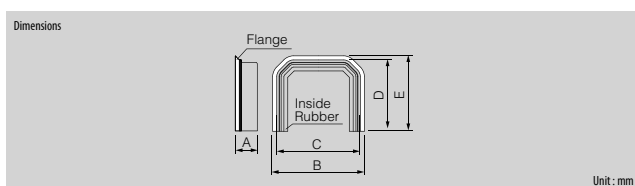
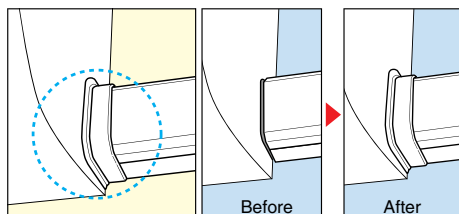
Item No.	Colour Variation	A	B	C	D	E	F	G	H	Pcs/Pkg
MP-75-W	☐	80	67.5	110	132	102	10	40	15	20
MP-85	☐	92	73	115	135	110	10	40	15	10

MJ**COUPLER**

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

MCI**90° INSIDE VERTICAL ELBOW**

Item No.	Colour Variation	A	B	C	Pcs/Pkg
MCI-75-W	☐	80	90	50	20
MCI-85	☐	90	94	54	10

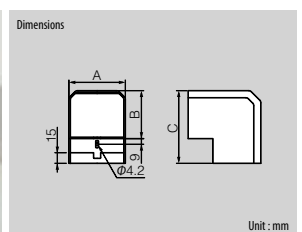
MS**GASKET**

Item No.	Colour 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.

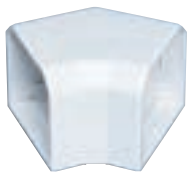
A crevice is made when installation to an attachment part with level difference or the curved surface beyond R25.

MCO**90° OUTSIDE VERTICAL ELBOW**

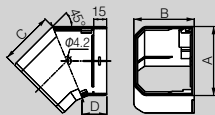
Item No.	Colour Variation	A	B	C	Pcs/Pkg
MCO-75-W	☐	80	68	104	20
MCO-85	☐	90	73	109	10

Colour Variation: ☐ ...White

MKF 45° FLAT ELBOW



Dimensions



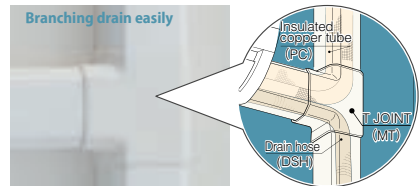
Unit: mm

Item No.	Colour Variation	A	B	C	D	Pcs/Pkg
MKF-75-W	☐	80	68	63	28	20
MKF-85	☐	90	73	67	29	10

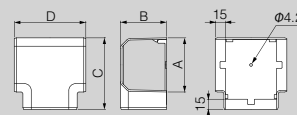
MT T JOINT



Branching drain easily



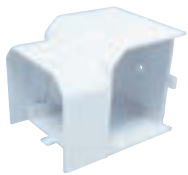
Dimensions



Unit: mm

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

MNC 90° Mini Twist Elbow **NEW**



Dimensions



Unit: mm

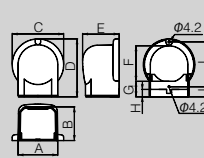
Item No.	Colour Variation	A	B	C	D	E	Pcs/Pkg
MNC-75-W	☐	80	68	100	81	41	5
MNC-85	☐	90	73	105	91	46	5

MW WALL INLET



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

Dimensions



Unit: mm

Item No.	Colour 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	1/4" × 3/8" ~ 1/4" × 1/2" + DSH-14
MD-851	1/4" × 3/8" ~ 1/4" × 1/2" + DSH-14 or 1/4" × 3/8" ~ 3/8" × 5/8" + DSH-14

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

Trunking System (For Residential Use)

IHM



IHM



PRODUCT INFO

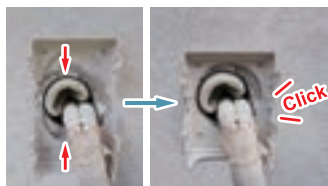
Enhance the Appearance

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



A key feature of IHM is its two-part base design, which allows for easy installation by simply clicking the two pieces together.

Ideal for retrofit installations!



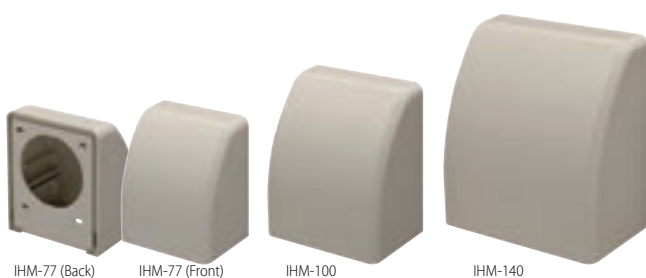
IHM + SF(Flexible bend)



IHM + HF(Adhesive tape)

IHM

WALL-MOUNTED OUTLET



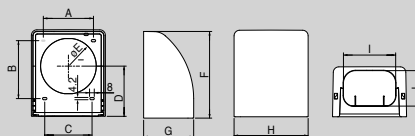
IHM-77 (Back)

IHM-77 (Front)

IHM-100

IHM-140

Dimensions

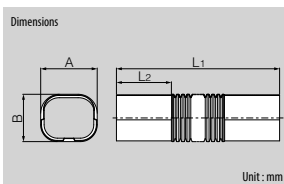
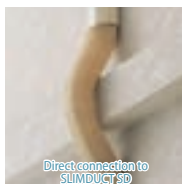


Unit : mm

Item No.	Colour Variation	A	B	C	D	E	F	G	H	I	J	Pcs/Pkg
IHM- 77		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

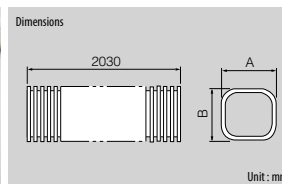


Item No.	Colour Variation	A	B	L ₁	L ₂	Pcs/Pkg
SF- 77- 500		74	62	530	87	20
SF- 77-1000		74	62	1060	87	20
SF-100- 800		100	70	800	70	10
SF-140- 800		140	80	800	80	5

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

SF

2M FLEXIBLE BEND with Raw Ends



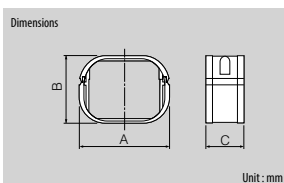
Item No.	Colour Variation	A	B	Pcs/Pkg
SF-77-2000		74	62	10

*Material ... PE

*Use with SFJ Coupler and SFS Clamp.

SFJ

ADAPTOR for SF FLEXIBLE BEND



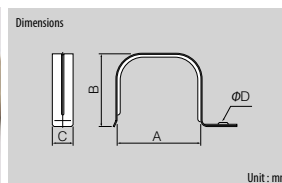
Item No.	Colour Variation	A	B	C	Pcs/Pkg
SFJ- 77		83	66	35	20
SFJ-100		108	74	40	20

*Use with SFS.

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

SFS

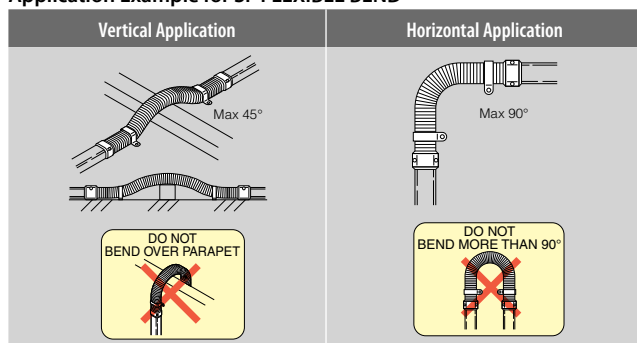
SADDLE for SF FLEXIBLE BEND



Item No.	A	B	C	D	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



SLIMDUCT SD series

Specifications

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

*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°C to 60°C. Deformation may occur at temperatures exceeding 60°C. 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.

Trunking System (For Commercial Use)

SLIMDUCT™ PD



PRODUCT INFO

Innovative New Design

Provides easy mounting and elevates trunking system from wall surface.

Light & Tough

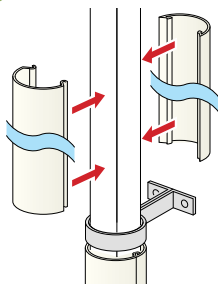
UV & weather resistant heavy duty PVC construction resists deformation.

Easy Installation

All trunking and fittings disassemble for ease of installation, and mount with commercially available standard wall mounted with our brackets (Ref. Page 26).

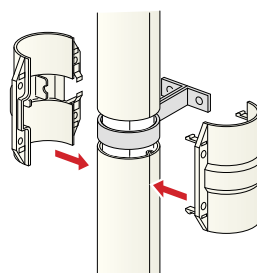
STEP 1

Clip main trunking into place over the piping.



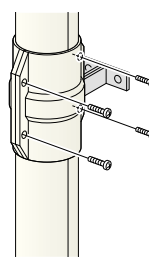
STEP 2

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)
Colour	Ivory

*PDL CLIP is SUS304 Stainless Steel.

SLIMDUCT PD Maximum Piping Combinations:

Item No.	Applicable bracket size (Ref. Page 26)	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"

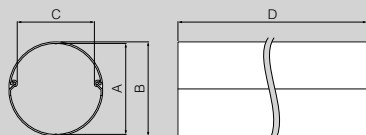
PD

SLIMDUCT PD

Straight trunking



Dimensions



Unit : mm

Item No.	Colour 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		φ 117	φ 120	103	960	5
PD-120-1500-I		φ 117	φ 120	103	1460	5
PD-120-2000-I		φ 117	φ 120	103	2000	5
PD-140-2000-I		φ 138	φ 142	124	2000	5

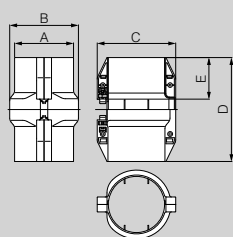
PDB-N

MOUNTING COUPLER

Tacking Screw



Dimensions



Unit : mm

Item No.	Colour Variation	A	B	C	D	E	Pcs/Pkg
PDB- 90N-I		φ 97	112	127	130	49	10
PDB-120N-I		φ 125	140	155	130	49	5
PDB-140N-I		φ 147	166	184	136	52	5

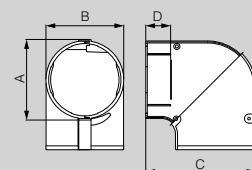
PDE

90° ELBOW

Tacking Screw



Dimensions



Unit : mm

Item No.	Colour 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

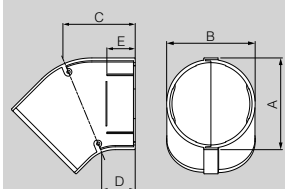
PDF

45° ELBOW

Tacking Screw



Dimensions



Unit : mm

Item No.	Colour 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

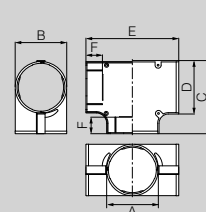
T JOINT

Tacking Screw

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



Dimensions



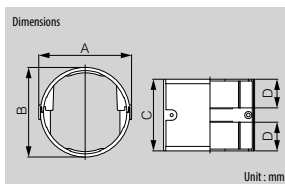
Unit : mm

Item No.	Colour 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	132	213	32	5
PDT-140N-I		154	150	203	154	251	40	5

Colour Variation: ...Ivory
Trunking System (For Commercial Use)

PDJ**STANDARD COUPLER**

Tacking Screw

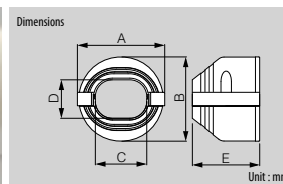


Unit : mm

Item No.	Colour 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

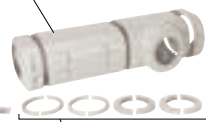


Unit : mm

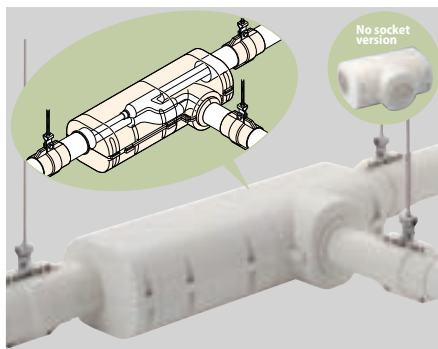
Item No.	Colour Variation	A	B	C	D	E	Pcs/Pkg
PDC- 90-I		104	100	61	46	80	20
PDC-120-I		132	128	86	57	80	10
PDC-140-I		154	150	94	60	96	10

PDJTN**T-BRANCH**

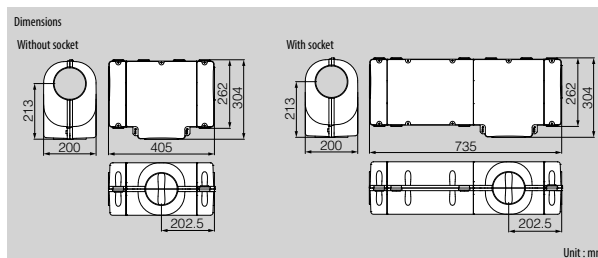
Socket



Adapter for PD-120 & PD-90

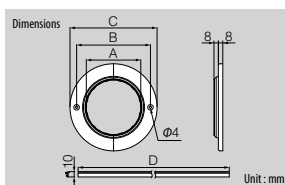
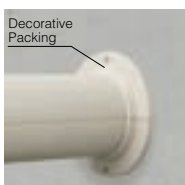


No socket version



Unit : mm

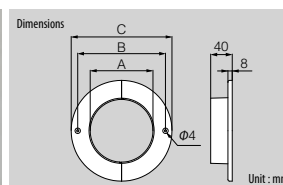
Item No.	Colour Variation	Pcs/Pkg
PDJTN-I		1

PWP-N**WALL FLANGE**

Unit : mm

Item No.	Colour 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

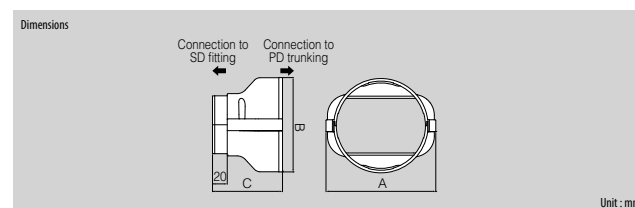
*Decorative Packing is not waterproofing.

PSP**WALL FLANGE**

Unit : mm

Item No.	Colour 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.

PSDR**PD-SD COUPLER**

Unit : mm

Item No.	Colour 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.

Trunking System (For Commercial Use)

SLIMDUCT™ RD



PRODUCT INFO

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.



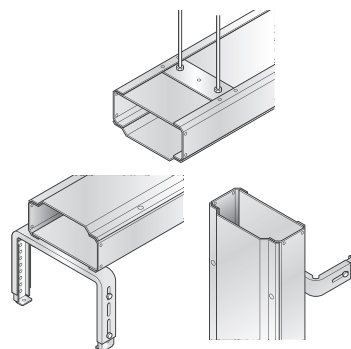
Architectural Trunking Cover

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.



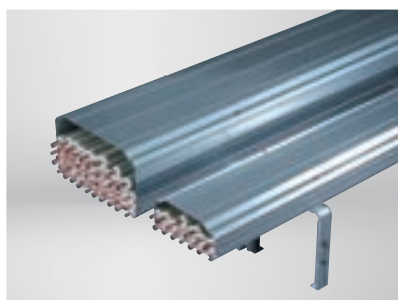
Easy Installation

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



Ideal Linesets Protector

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



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.



Durability and Weather Resistance

SLIMDUCT RD is fabricated from steel which is treated with a Zinc/Aluminum/Magnesium coating which offers superior resistance over stainless steel even in highly corrosive atmospheres such as sea air.



Appearances of cut edges after salt spray test

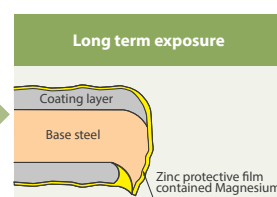
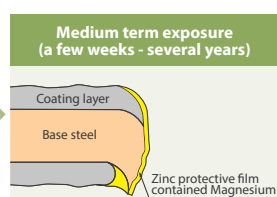
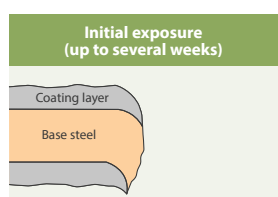
(Thickness: 3.2 mm, coating weight: 120/120 g/m², untreated)

Lapse of time	100h	1,000h	5,000h
A highly corrosion resistant hot dip galvanized steel			
55% Al-Zn alloy coated steel			
Zn-5% Al alloy coated steel			
Galvanized steel			

5mm

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.



Cutting edge of base steel is oxidized by rain etc (Initial red rust).

Its edge is covered with zinc-based magnesium contained protective film leaching from the coating layer at the plain parts in several months.

Colour is gradually changed into gray and eventually grayish black.

1. Protective film leaching from coating layer contained Magnesium at the plain parts
2. Hydroxide of zinc (white rust)

Long Lasting Anti-Corrosion

Insulated Copper Tube/Pipe



PRODUCT INFO

Quality

High-Quality Materials

Excellent Thermal Resistance

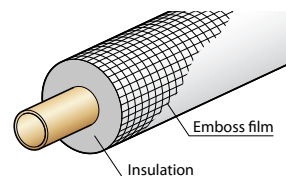
All insulated tube and pipe products are fabricated with high grade insulation with a thermal resistance up to 120°C.

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.

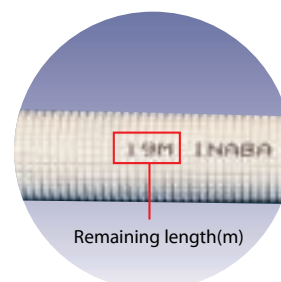


Function

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	Item	Value
Thermal Conductivity (Ave. 23°C)	0.037 W/m·K	Moisture Permeability (per 25mm thickness)	20 ng/m ² ·s·Pa or less
Tensile Strength	48.2 N/cm ²	Temperature Range	-40°C~120°C
Water Absorption Volume	0.06 g/100 cm ²	Flame Retardant (Equivalent to)	EN-13501-1 DIN 4102-1, B1 class UL-94 HF-1
Thickness Shrinkage Ratio (Ave. 120°C)	2.0 %		

* This data is test outcome, not guaranteed value.



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

PC/NC-UV

PAIRCOIL • NEOCOIL [UV RESISTANT]

Made to order



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

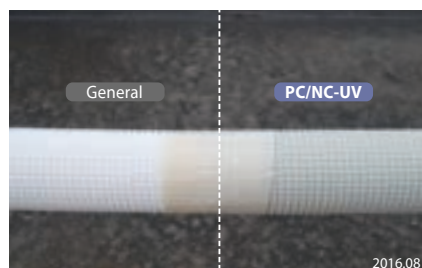
Highly UV stabilized

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.

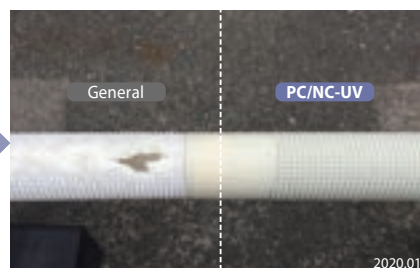
Outdoor Exposure Test

Start



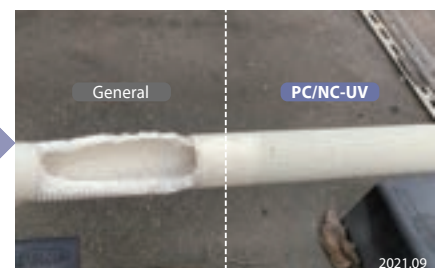
A general PE insulation and our own UV product were both placed on the roof.

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

KS

SINGLE SADDLE [for A/C Refrigerant Piping]

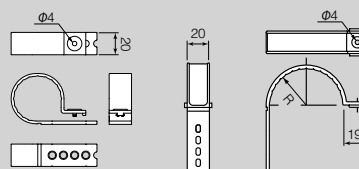
KS-20-I



KS-24-I



Dimensions



Unit : mm

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

*Material ... PE

Solution to protect your split system's entry point.

INABA DENKO offers IHM wall-mounted system to hide and protect your insulated copper pipes. IHM can be combined with SLIMDUCT SD flexible bend to protect your piping from harsh weather conditions, pests, and other outdoor elements at the entry point.



Details can be found on page 21

Drain Hose & Accessories -Outdoor-



PRODUCT INFO



DHQ

DRAIN HOSE - Outdoor

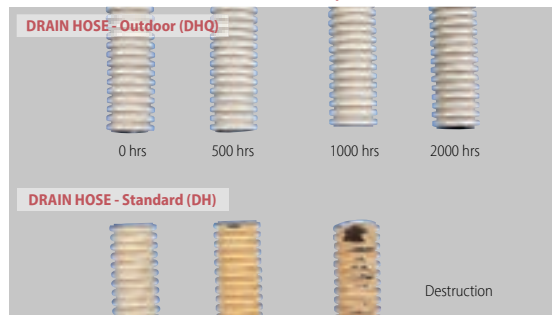
UV Resistant Version!!

Portable carton with
removable EASY-FEED flap



Double layered for outstanding durability

Accelerated Weather Resistance Test (Sunshine Weather Meter)



Specifications

- Cuff spacing ... 500mm

Features

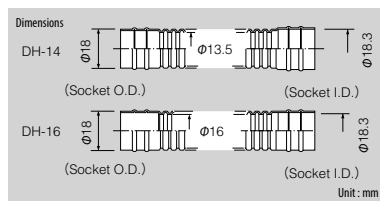
- Double the UV resistance of the DH series.
- High quality PE (LLDPE) material gives excellent corrosion resistance.

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

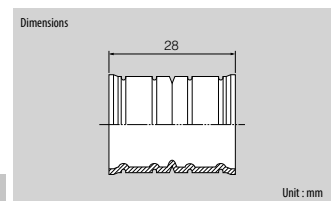
- Cuff diameter accepts both 14mm and 16mm sizes.
- Cuff spacing ... 500mm

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

Drain Hose

Dew Condensation Prevention

Insulated Drain Hose

Soft Type

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



PRODUCT INFO

Prevents
Condensation

Flexible and Easy
to Work

Insulated to Prevent Condensation

Prevents condensation under extreme conditions of 15°C condensate water 30°C ambient temperature and 80% RH.

Easy to Work With

Internal PE hose cuts easily with blade or scissors.

Smooth Inside

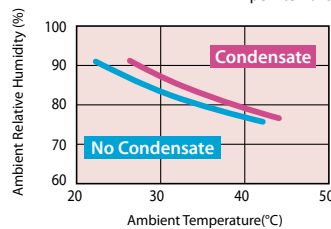
Reduces resistance and maximizes condensate flow.

Soft and Flexible

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

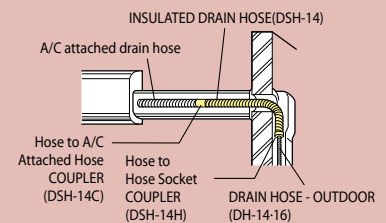
Data shows superior performance in condensation prevention

DSH-14/20N/25N



Example of Typical Installation

Room A/C Installation - Size 14



DSH

INSULATED DRAIN HOSE [Soft Type]

REACH
Comply



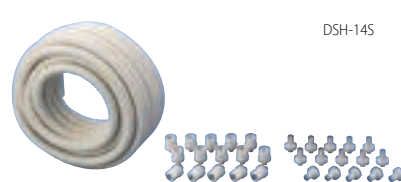
DSH-14

- 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]



DSH-14S

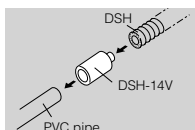
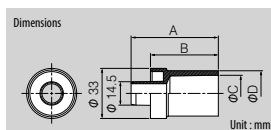
Features

- Complete kit provides best value.

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

DSH-14V

Hose to Pipe ADAPTOR φ14 For PVC pipe joint

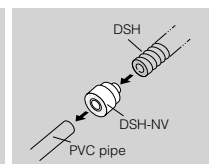
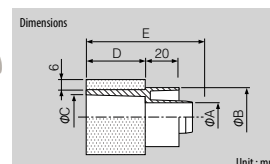


- Purpose**
- Joins insulated drain hose and PVC pipe.
 - Adaptor size (inner diameter φ) is following PVC pipe fitting size (inner diameter φ).
 - Complied to JIS standard PVC pipe. Please contact when using with PVC complied to other standards.

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

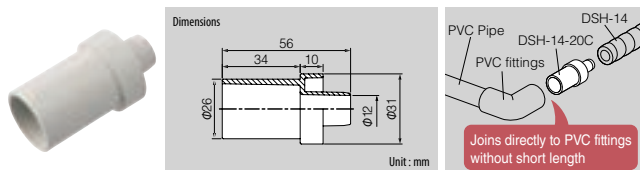
Hose to Pipe ADAPTOR φ20•25 For PVC pipe joint



- 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

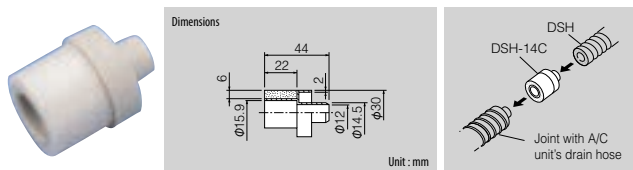
DSH-14-20C Hose to Pipe Adaptor $\phi 14$ For drain hose joint



Purpose • Joins DSH-14 and PVC fittings

Item No.	Compliant drain hose	Pcs/Pkg
DSH-14-20C	DSH-14	100

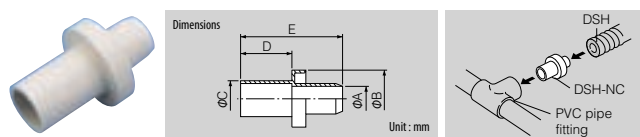
DSH-14C Hose to A/C Attached Hose COUPLER $\phi 14$ For A/C unit's drain hose joint



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

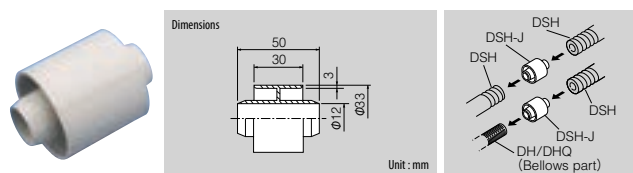
DSH-20•25NC Hose to Pipe Fitting ADAPTOR $\phi 20 \cdot 25$ For PVC pipe fitting



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	100
DSH-25NC	DSH-25N	32	22.5	40	32	42	69	100

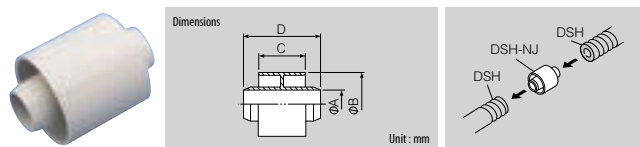
DSH-14J Hose to Hose COUPLER $\phi 14$ For drain hose extension



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

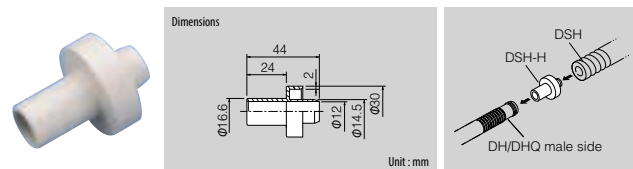
DSH-20•25NJ Hose to Hose COUPLER $\phi 20 \cdot 25$ For drain hose extension



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

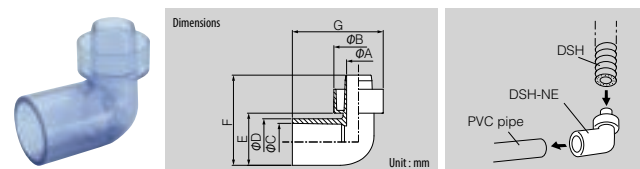
DSH-14H Hose to Hose Socket COUPLER $\phi 14$ For drain hose joint



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

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

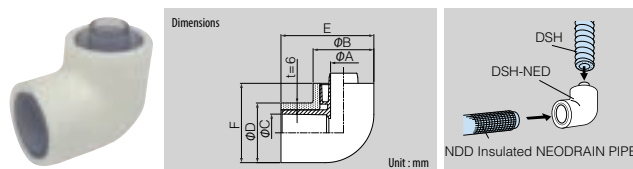
DSH-20•25NE Hose to Pipe ELL $\phi 20 \cdot 25$ For PVC pipe joint



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	100
DSH-25NE	DSH-25N	22.5	40	32.55	40	45	72	75.3	100

DSH-20•25NED Hose to Pipe Insulated ELL $\phi 20 \cdot 25$ 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

Specifications

Material	Insulated drain hoses and accessories	PVC
	Insulation	PE

Caution

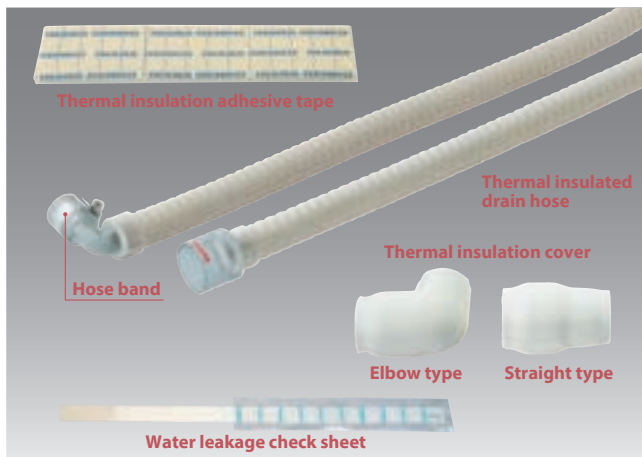
- Cut drain hose in right angle, and completely remove any dust, oil, and, trash on the jointing surface.
- Use adhesive for PVC pipe use and insert drain hose/pipe fully into accessory fitting to avoid any problems such as water leakage.
- Do not bend drain hose by a radius of less than 3 times of outer 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-UP series

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

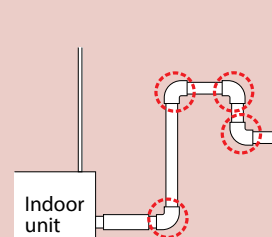


PRODUCT INFO



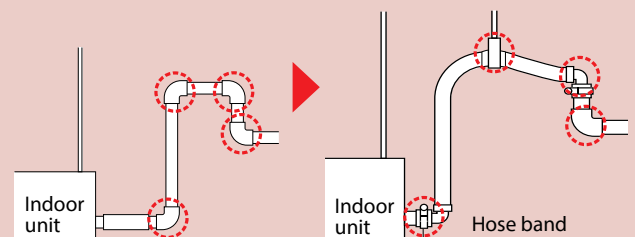
Piping Example with PVC pipe

High risk of water leakage by several adhesive connections

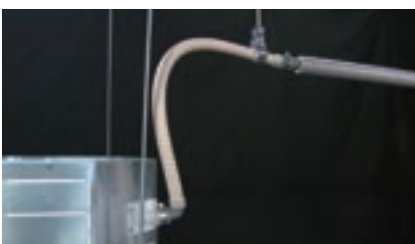


Piping Example with DSH-UP Series

Less risks of water leakage and less risks of cracks on piping



Construction image



Elbow and Straight Fitting



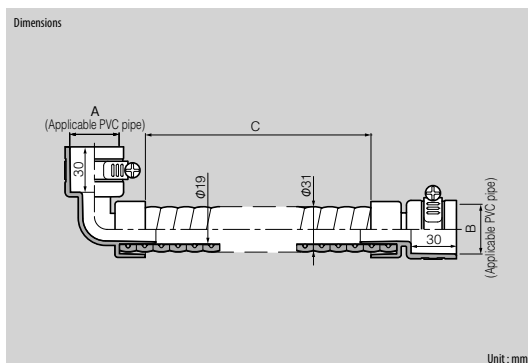
Elbow Fitting



Transparent fittings assure a secure fit and water-flow check

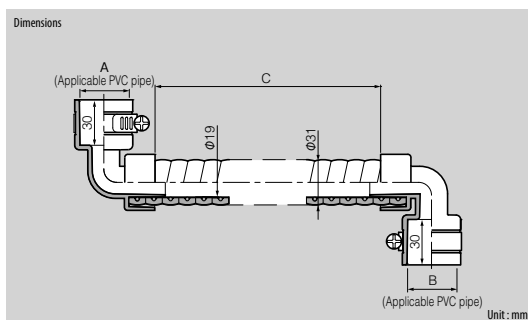
DSH-UP INSULATED DRAIN HOSE for drain up piping

S Elbow & Straight ES



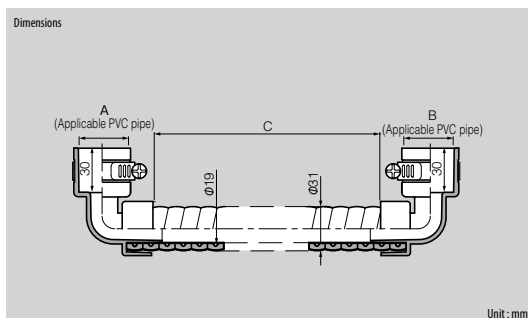
Item No.	A (Applicable PVC pipe O.D. mm)	B (Applicable PVC pipe O.D. mm)	C	Pcs/Pkg
DSH-UP20E20S-07	26	26	700	10
DSH-UP20E25S-07	26	32	700	10
DSH-UP25E20S-07	32	26	700	10
DSH-UP25E25S-07	32	32	700	10
DSH-UP20E20S-10	26	26	1000	10
DSH-UP20E25S-10	26	32	1000	10
DSH-UP25E20S-10	32	26	1000	10
DSH-UP25E25S-10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

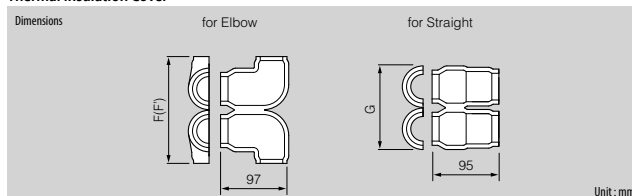
Caution

• 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)



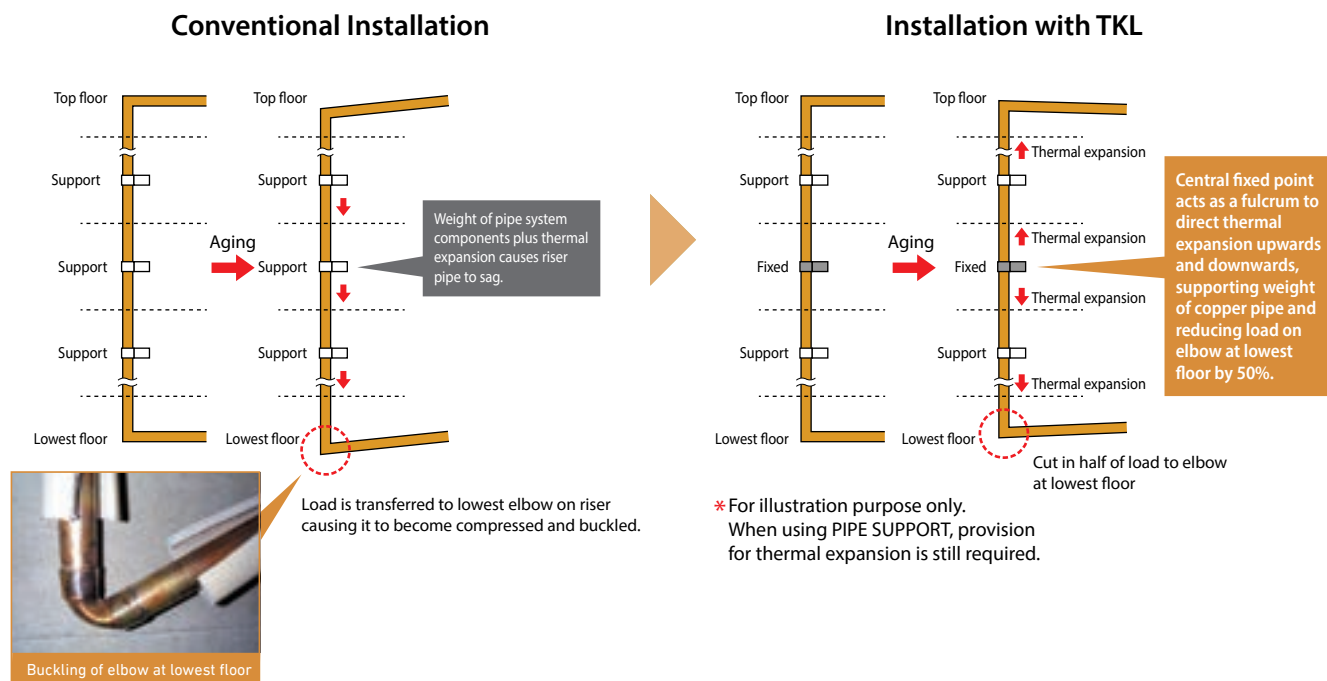
PRODUCT INFO

TKL supports the weight of vertical pipe riser in VRF AC system and reduces the thermal expansion load on the lowest elbow by 50%.

When pipes are installed in high rise buildings using traditional support methods, the pipe is unable to support its own weight fully as the piping expands and contracts with heat and cooling, it tends to slip downwards. When this happens, all the weight of the piping is concentrated into the elbow joint at the base of the run. This can cause the pipework to buckle and deform.

The spacer tab allows for a visual inspection of the fixation

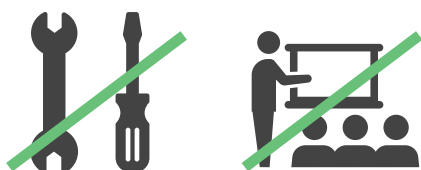
TKL significantly reduces the load on the elbow at the bottom of the run, preventing it from buckling.



Product Features

Simple installation

Installing a TKL clamp is easy—just tighten the bolts. No special training or tools needed.



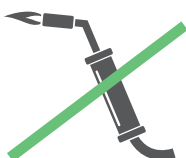
TKL clamps can be retrofitted to older buildings

TKL clamps can be retrofitted to older/existing buildings.



TKL clamp is “Non-braze”

TKL can be installed without the risk of damaging the installation area with a brazing torch and also in areas where open flames are not permitted.



Prevent Condensation

Insulation sleeves is available for condensation prevention, ensuring long-term reliable use.



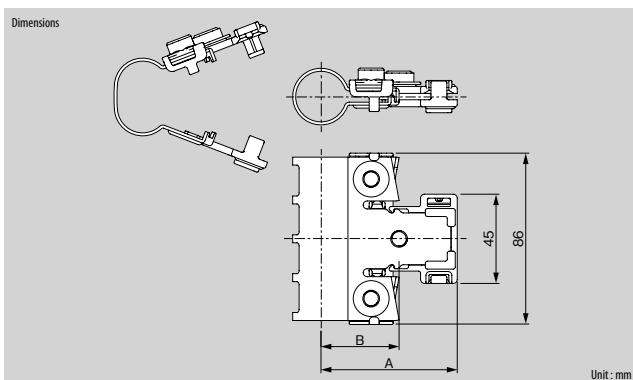
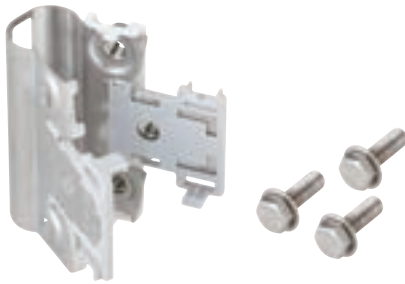
Pipe Support/Holder & Tying Band

PIPE SUPPORT (NON-BRAZE)

TKL

PIPE SUPPORT

NEW



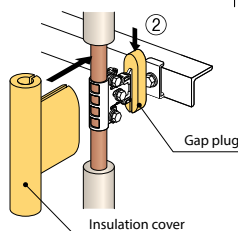
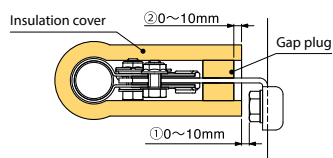
Specifications

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

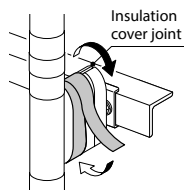


For dew proofing, always use TKL with TKL insulation cover on the Pipe Support.

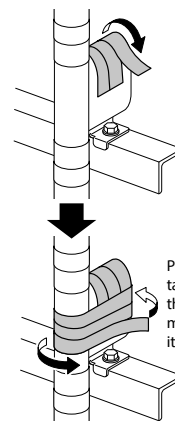
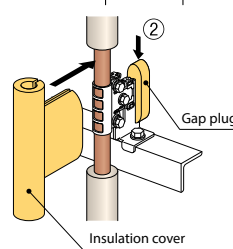
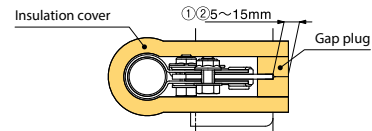
For TKL-B/TKL-K



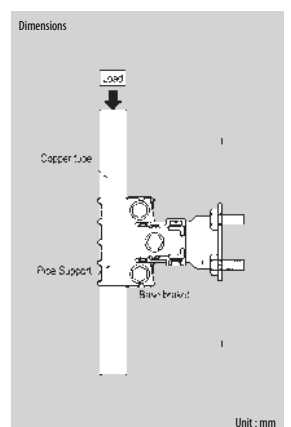
Place an adhesive tape around the joints of the insulation cover overlapping it at least 10mm on the circumference



For TKL-U

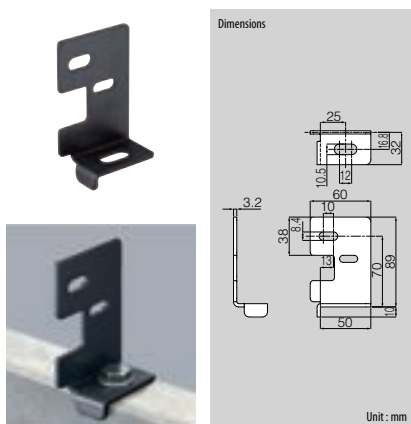


Item No.	Compliant pipe size	A	B	Pcs/Pkg	Load capacity	
					[kg]	[N]
TKL- 3K	3/8"	59	30	40	127	1,245
TKL- 4K	1/2"	61	32		133	1,304
TKL- 5K	5/8"	63	34		145	1,421
TKL- 6K	3/4"	65	36		154	1,510
TKL- 7K	7/8"	66	37		167	1,642
TKL- 8K	1"	68	39		184	1,804
TKL- 9K	1-1/8"	70	41		204	2,002
TKL-10K	1-1/4"	72	43		224	2,201
TKL-11K	1-3/8"	73	44	30	246	2,414
TKL-12K	1-1/2"	75	46		270	2,650
TKL-13K	1-5/8"	77	48		296	2,907
TKL-14K	1-3/4"	78	49		324	3,179



TKL-U VERTICAL MOUNTING BRACKET FOR PIPE SUPPORT TKL NEW

For reduced clearance from wall surface

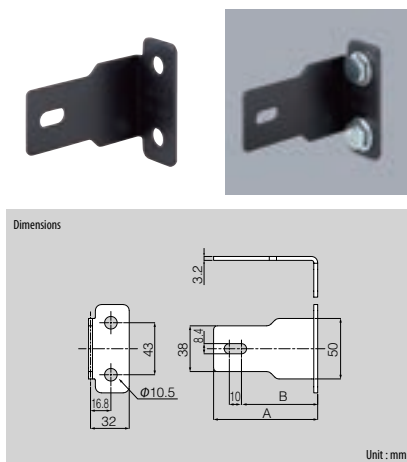


Item No.	Pcs/Pkg
TKL-U00	100

*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



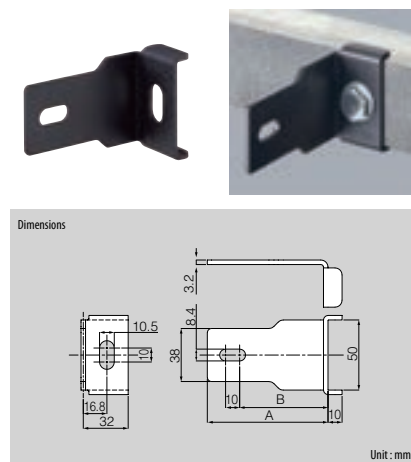
For both indoor/outdoor use

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

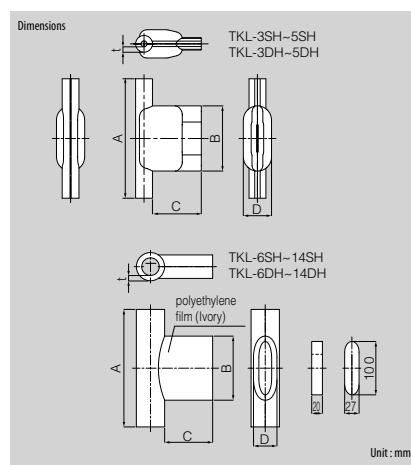
For 50mm width



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						
TKL- 7SH	TKL- 7K						
TKL- 8SH	TKL- 8K						
TKL- 9SH	TKL- 9K						
TKL-10SH	TKL-10K					44	
TKL-11SH	TKL-11K						
TKL-12SH	TKL-12K						
TKL-13SH	TKL-13K						
TKL-14SH	TKL-14K						

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

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						
TKL- 7DH	TKL- 7K						
TKL- 8DH	TKL- 8K						
TKL- 9DH	TKL- 9K						
TKL-10DH	TKL-10K					64	
TKL-11DH	TKL-11K						
TKL-12DH	TKL-12K						
TKL-13DH	TKL-13K						
TKL-14DH	TKL-14K						

SUPERLOCK

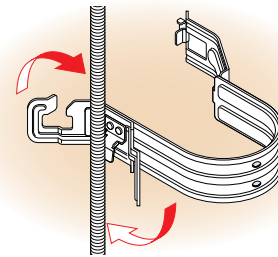


PRODUCT INFO

QUICK

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

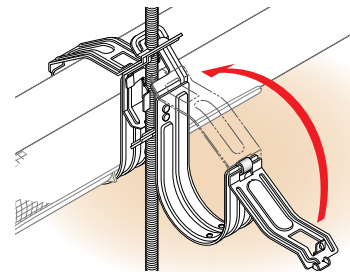
No need of additional tools or nuts for installation.



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.

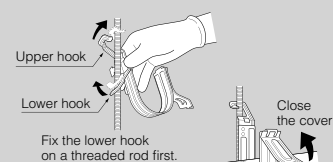
Specifications

- Steel with SPCC (Unichrome) plating.

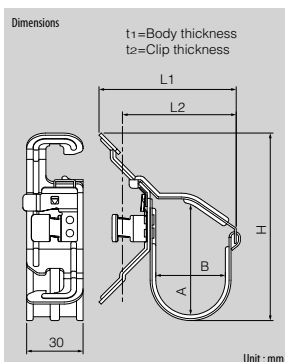
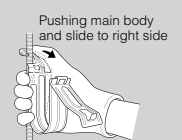
Caution

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

Installation Procedure

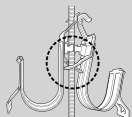


Removal



Back to back installation

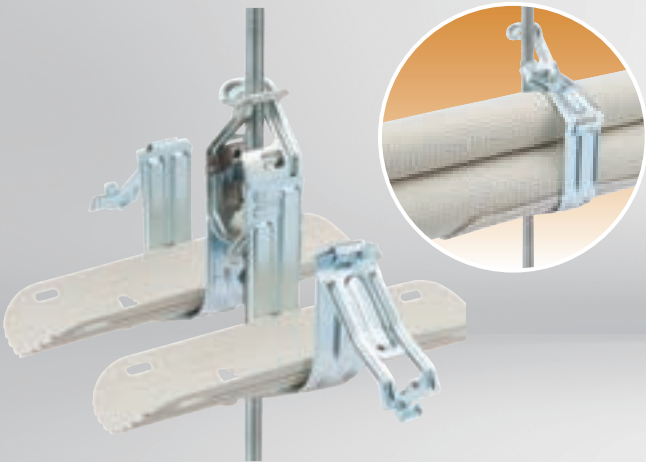
Cross the lower hook of SRV.



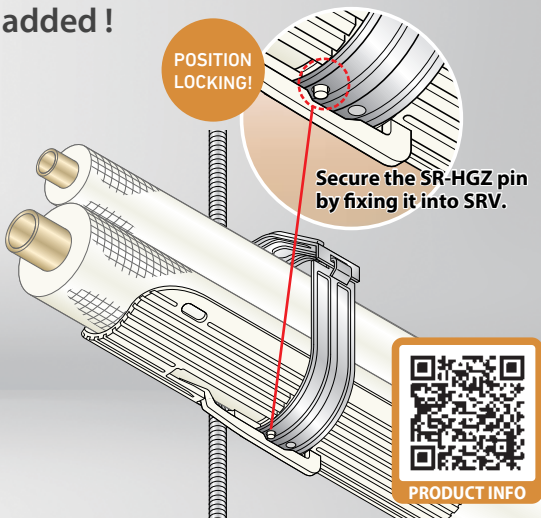
Item No.	Applicable pipe size (mm)		Allowable static load	Dimensions (mm)						Body thickness(t1)	Clip thickness(t2)	Pcs/Pkg
	Insulation thickness	Copper pipe		L1	L2	H	A	B				
SRV- 24B	10×10	1/4" × 3/8" ~ 1/4" × 1/2"	196N (20kgf)	70	57.5	95	59	37		1.0	1.0	100
SRV- 35B	10×10	1/4" × 5/8" ~ 3/8" × 1/2"		70	57.5	101	67	37				100
SRV- 46B	10×10	3/8" × 5/8" ~ 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

**Applicable to
all sizes of SUPERLOCK.**



**Position locking function
is added !**



POSITION LOCKING!

Secure the SR-HGZ pin by fixing it into SRV.



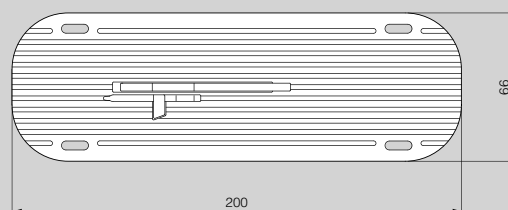
PRODUCT INFO


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.

Dimensions


Unit : mm

Item No.	Colour Variation	Pcs/Pkg
SR-HGZ		200

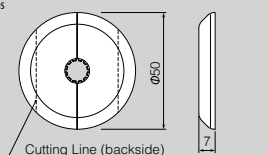
*Material ... PP

ZC3 CEILING COVER for Threaded Rod


ZC3-W



ZC3-K


Dimensions


Unit : mm

Features

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

Caution

- Use only with W3/8" threaded rod.

Item No.	Colour Variation	Applicable Threaded Rod	Pcs/Pkg
ZC3	 	W3/8	200

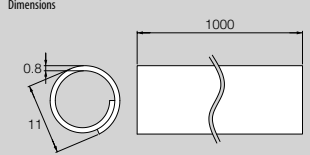
*Material ... PP (for indoor)

*Not flame retardant.

BC3 Threaded Rod Cover


BC3-W

BC3-K


Dimensions


Unit : mm

Item No.	Colour Variation	Applicable Threaded Rod	Pcs/Pkg
BC3	 	W3/8 • M10	100

*Material ... EVA (for indoor)

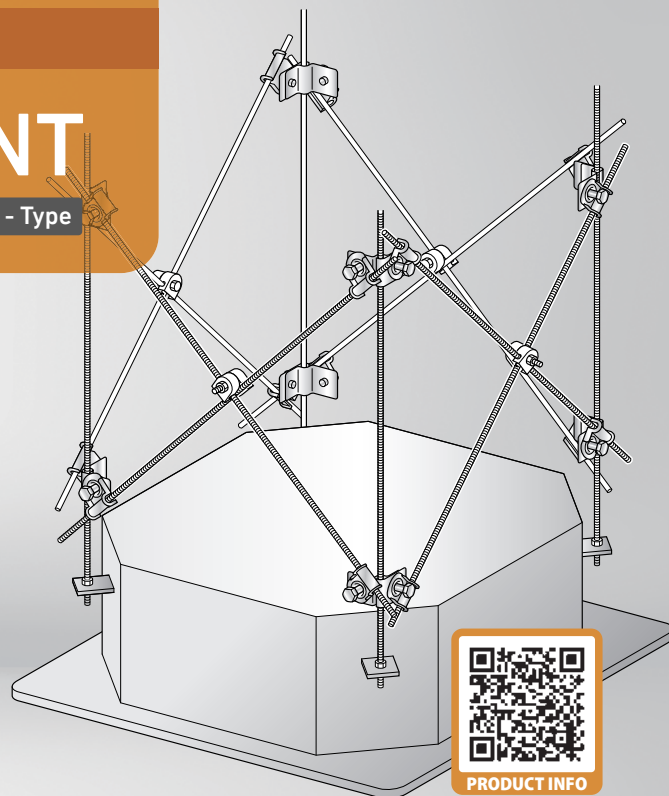
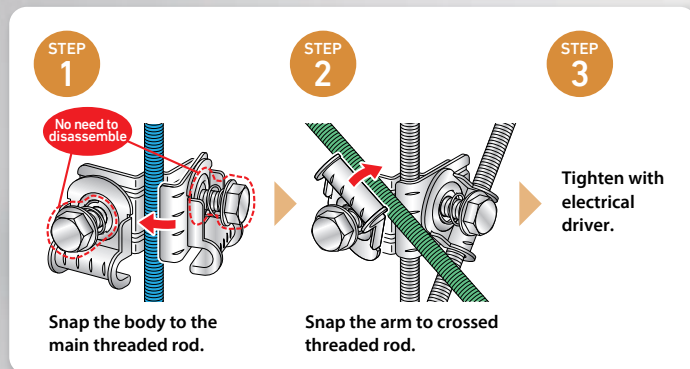
*Not flame retardant.

 Colour Variation:  ...White,  ...Ivory,  ...Black
Pipe Support/Holder & Tying Band

SEISMIC RESTRAINT

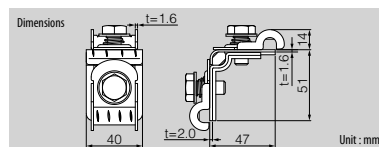
V - Type D - Type

Spring loaded seismic restraint clips for AC unit.
Applicable to W3/8 and W1/2 threaded rod.



FL-V V - Type

Attachment for bolt fixing
Cross Installation



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

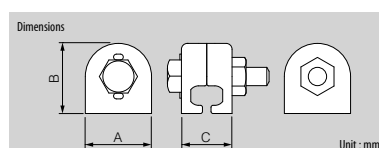
FL-D D - Type

Attachment for bolt fixing
Cross Installation



Contents

- Metal (nut side) ... 1pc
- Metal (bolt side) ... 1pc
- Hexagon bolt W3/8x45L ... 1pc
- W3/8 nut ... 1pc



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



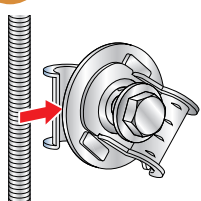
Item No.	Items included	Pcs/Pkg
FL-VS	FL-Vx8pc, FL-Dx4pc	8
FL-VS-4	FL-V-4x8pc, FL-D-4x4pc	4

SEISMIC RESTRAINT

C - Type CW - Type E - Type

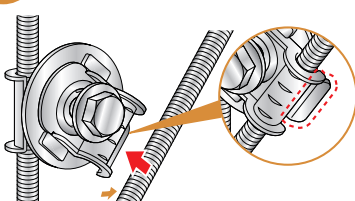
Spring loaded seismic restraint clips for any other mechanical equipment.
Applicable to W3/8 and W1/2 threaded rod.

STEP 1



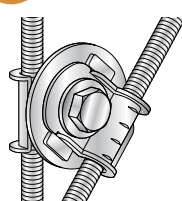
Spring load mechanism will ease the installation.

STEP 2



Snap the arm to crossed threaded rod.

STEP 3



Tighten with electrical driver.

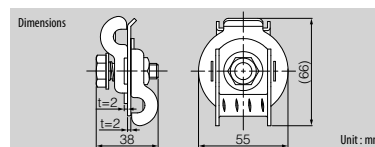


PRODUCT INFO

FL-C

C - Type

Single arm clip for crossing



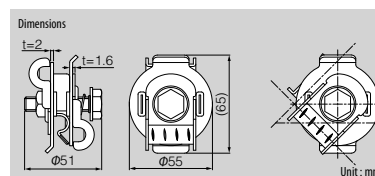
Item No.	Applicable threaded rod	A	B	C	Pcs/Pkg
FL-C	W3/8	55	60	38	100
FL-C-4	W1/2	64	70	38	50

*Material ... Unichrome Finish

FL-CW

CW - Type

Double arm clip for crossing



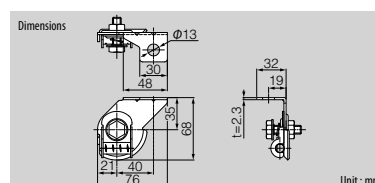
Item No.	Applicable threaded rod	Pcs/Pkg
FL-CW	W3/8	50

*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

BIGTIE



Secure
Fastener

Wide plastic pipe tie.

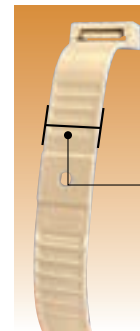
CONVENIENT

Available in small packages for convenience on the go.



WIDE

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



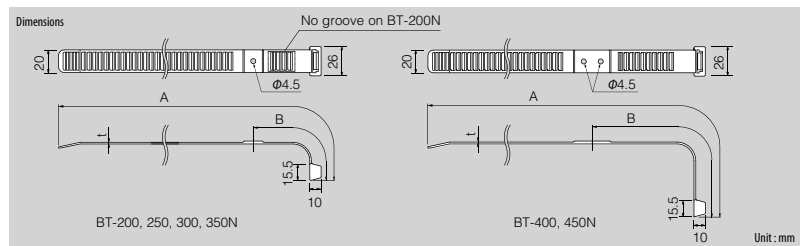
Width
20mm

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

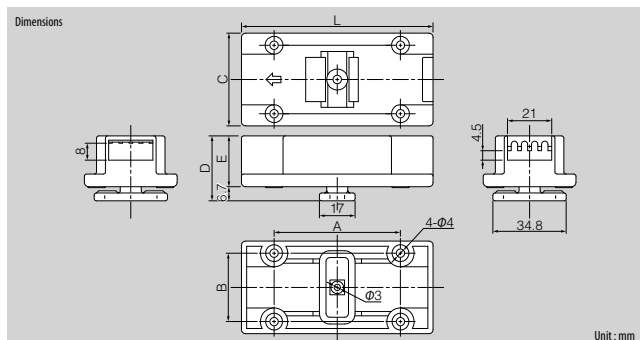
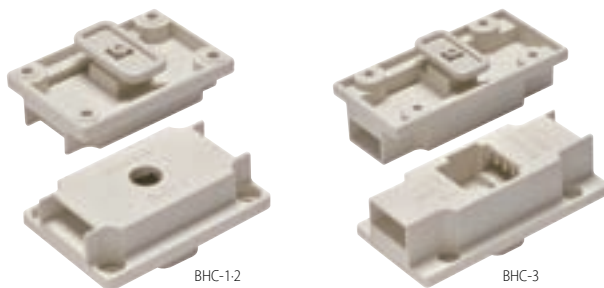
Specifications

- Temperature range ... -10 ~ 50°C
- Working temperature ... 0 ~ 40°C

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



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

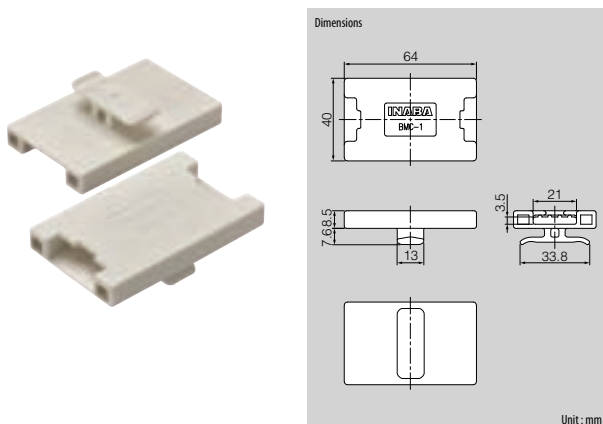
Features

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

Caution

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

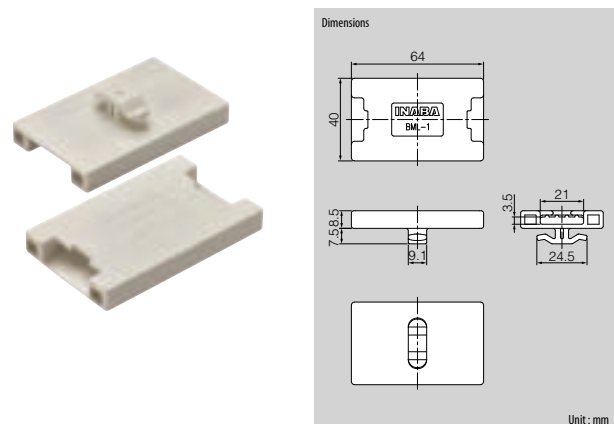
BMC-1 HOLDER FOR STRUT CHANNEL



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

*Material ... POM

BML-1 HOLDER FOR THREADED ANGLE



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

*Material ... POM

PLAROCK



PRODUCT INFO

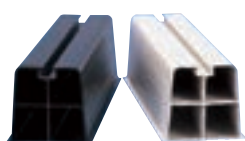


PR

PLAROCK

Condenser Riser

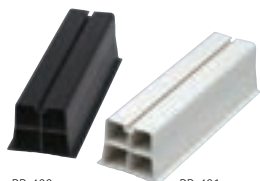
PR350 Series



PR-350N

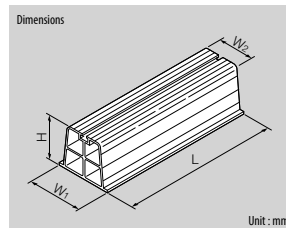
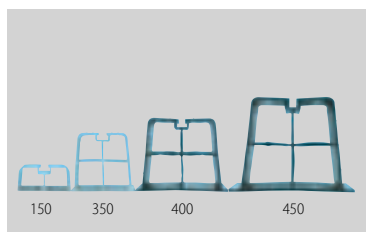
PR-351N

PR400 Series



PR-400

PR-401



Unit : mm

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

Series	Item No.	Colour Variation	Allowable load (N[kgf])	Dimension L×W ₁ ×W ₂ ×H (mm)	Attached bolt	Pcs/Pkg
150	PR-151	■	1,372[140]	360× 86× 80× 40	Dacrotized	20
	PR-350N	■	1,372[140]	360×100× 80× 95	Dacrotized	20
	PR-351N	■	1,372[140]	360×100× 80× 95	Dacrotized	20
350	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
	PR-400	■	3,922[400]	450×150×110×120	HDZ	6
400	PR-401-I	■	3,922[400]	450×150×110×120	HDZ	6
	PR-400-L	■	15,691[1,600]	1,800×150×110×120	N/A	1
	PR-450P	■	4,413[450]	450×205×137×154	HDZ	6
450	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.	Colour Variation	Applicable PLAROCK	Set/Pkg*
PRC-350N	■	350N Series	50
PRC-351N	■		50

*Material ...PVC

*2pcs/set

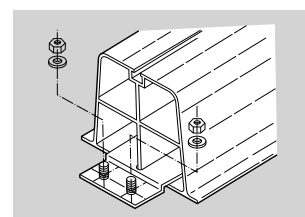
PR-P

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.

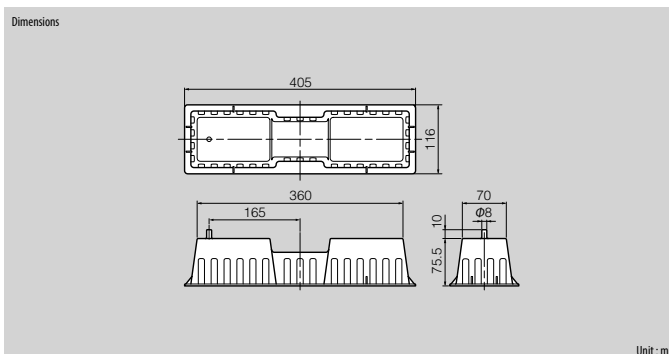
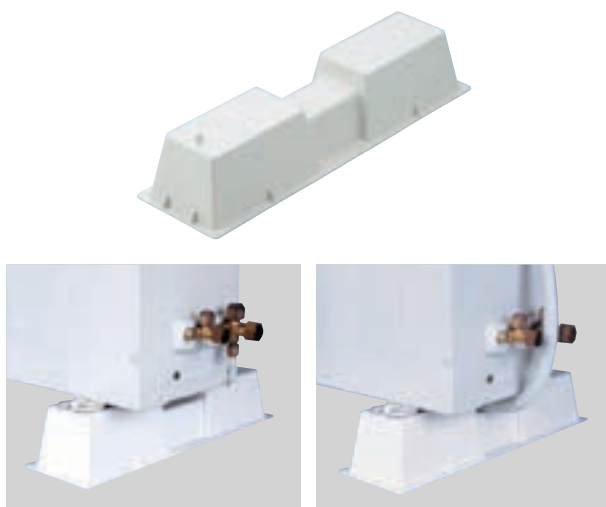
Colour Variation: ■ ...Ivory, ■ ...Black

Condenser Riser & Bracket

PP CONDENSER RISER & ANTI VIBRATION PAD

LC

PP CONDENSER RISER



Specifications

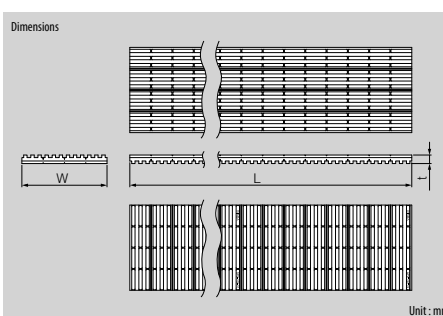
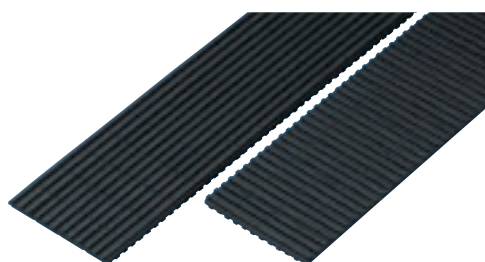
- Temperature Range ... -10°C to 50°C (Surface temperature)
- Allowable Load ... 588N (60kgf: When using 2pcs at the level)

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

*Material ... PP

GPC

ANTI-VIBRATION PAD



Features

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

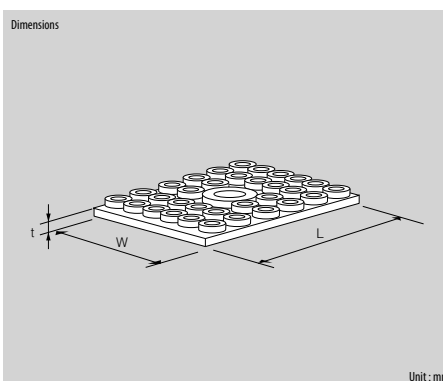
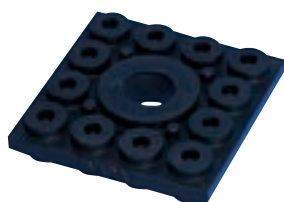
- Do not apply this product directly to any PVC floor material as plasticizer ingredient may cause discolouration.

Item No.	Colour 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



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.	Colour 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

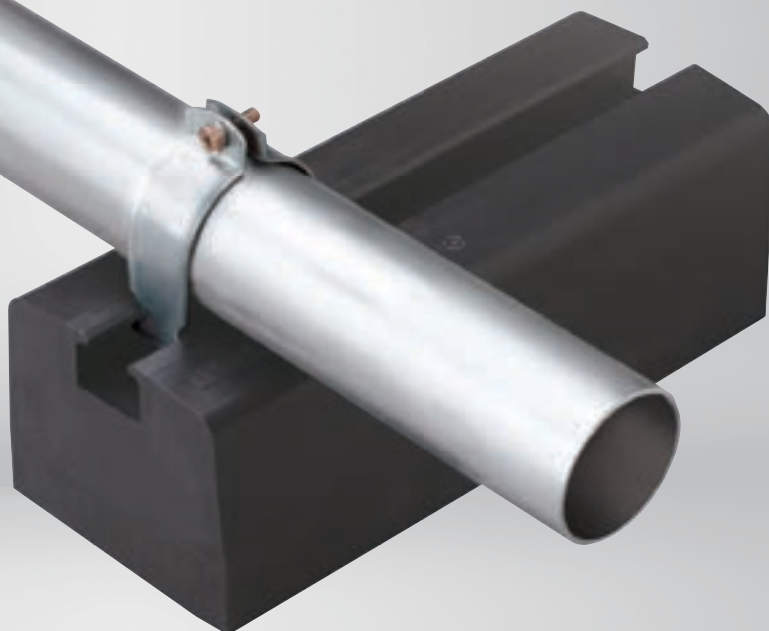
Colour Variation: ... Ivory, ... Black
Condenser Riser & Bracket

RECYCROCK

Eco-friendly
– uses recycled materials

Versatile mounting block
for pipes, cables or condensers

3/8 Rail Type

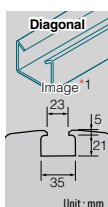
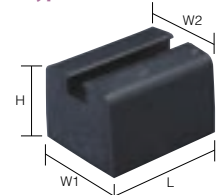


CR

RECYCROCK

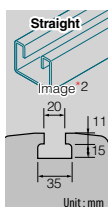
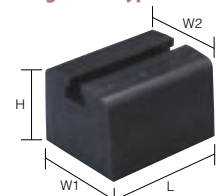
Multiple use Support System

D Type



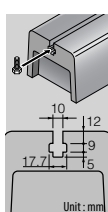
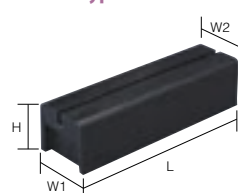
*1 ... Metal rail is not attached.

Hanger Rail Type



*2 ... Metal rail is not attached.

3/8 Rail Type



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

[CR-D] RECYCROCK – D Type

Item No.	Colour 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.	Colour 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.	Colour 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.	Colour 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

Colour Variation: ■ ...Black



PRODUCT INFO

HF

ADHESIVE TAPE [Standard Thickness]



Item No.	Colour 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

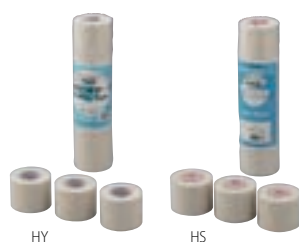
- Thinner than the above HF series, improved flexibility allows ease of application.

Item No.	Colour 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



HY

HS



Features

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

Item No.	Colour 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.	Colour 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



HN

HK

Ref

Tape colour details

- Ivory Colour Tapes HY, HF, HV are all similar in colour to Ivory, SD & NSD lineset trunking.

Item No.	Colour 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.	Colour 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.	Colour 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 colour.

 Colour Variation: ...White, ...Ivory, ...Anthracite grey, ...Brown, ...Black, ...Yellow, ...Red, ...Blue
Tape/Sleeve

UV RESISTANT TAPE

Highly UV stabilized

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

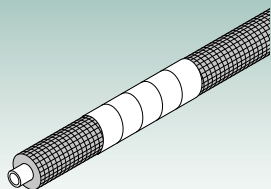
Fits perfectly into the embossed insulation surface.



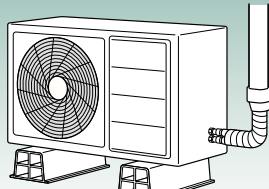
PRODUCT INFO



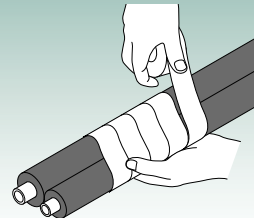
Insulation without UV protection damaged by solar UV exposure



Protects insulated copper tube from UV.



Covers exposed piping between AC outdoor unit and Slimduct.



Also suitable 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.

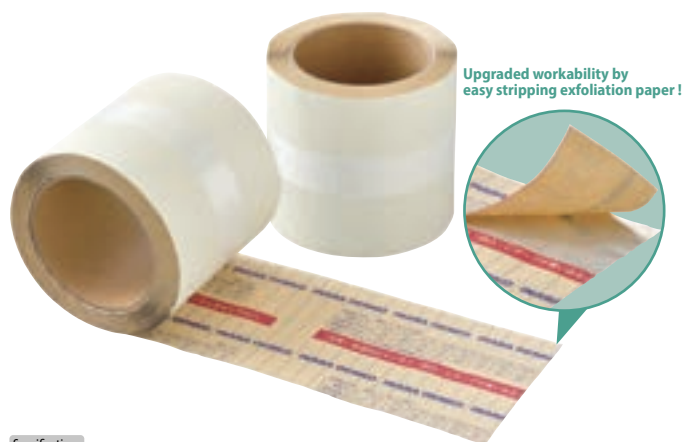
Item No.	Colour Variation	Size (W×L)	Pcs/Pkg
UVT-50-I		50mm×20m	24
UVT-25-I		25mm×20m	48

*Material . . . Polyethylene

Colour Variation: ...Ivory

JTA

INSULATION JOINT ADHESIVE TAPE



Others

INABA



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°C to 60°C

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.	Colour 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

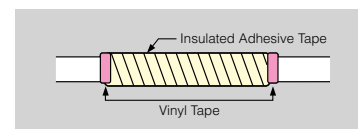


Features

- 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.	Colour 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°C)

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°C)



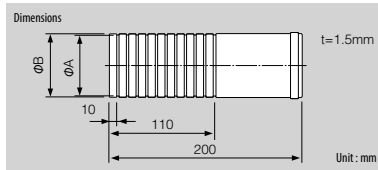
PRODUCT INFO

FP PLAIN WALL SLEEVE



Features

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



Typical installation in combination with WC WALL CAP

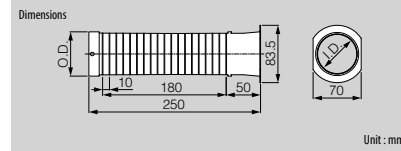
Item No.	Colour Variation	Applicable WALL CAP	A (I.D.)	B (O.D.)	I.D. in combination with UWC	I.D. in combination with WC	Core drill diameter	Pcs /Pkg
FP-60N		WC-60N,UWC-60	61.5	63.5	58	57	65	100
FP-65N		WC-65N,UWC-65	66.5	68.5	63	62	70	100
FP-75N		WC-75N	75.5	78.5	-	71	80	100

*Material ... PE

FPP Flanged Wall Sleeve (Long Type)



Provides slope (5 degrees maximum) by cutting the sleeve



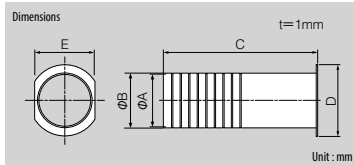
Features

- Applicable for exterior walls up to 250mm thick.
- Provides slope (5 degrees maximum) by cutting the sleeve.
- Cut lines marked every centimeter.

Item No.	Colour Variation	I.D.	O.D.	Core drill diameter	Pcs /Pkg
FPP-60		57	64.5	65	100

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

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.	Colour 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

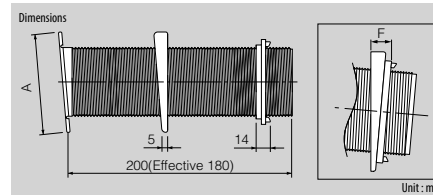
*Material ... PE+PP *Colour ... Ivory (Silky White)

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.	Colour Variation	A	I.D.	Core drill diameter	Effective length(max)	F	Pcs /Pkg
FPS-85		130	84.5	95	180mm	23	10

*Material ... PE

NFP ADJUSTABLE WALL SLEEVE



Item No.	Colour 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

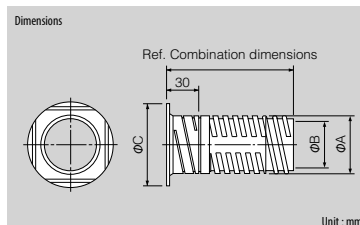
*Material ... PE

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.



NFP Description of Part Names

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

Combination Dimensions

Parts Combination	Adjustable Length	NFP Required Q'ty
A+B	99mm~105mm	1 set
A+C	127mm~180mm	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 ADJUSTABLE WALL SLEEVE KIT



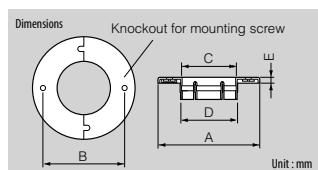
Item No.	Colour Variation	Contents	Pcs /Pkg
NFP-60S		NFP-60+(NWC-60+NWM-C)×2	30
NFP-65S		NFP-65+(NWC-65+NWM-C)×2	30
NFP-75S		NFP-75+(NWC-75+NWM-C)×2	30

Colour Variation: ...Ivory



PRODUCT INFO

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.

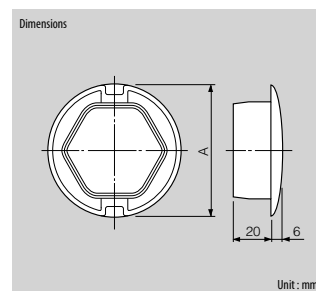
Caution

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

Item No.	Colour 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



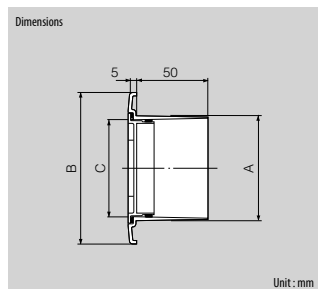
Features

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

Item No.	Colour 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



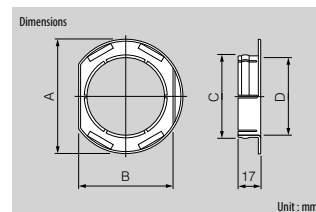
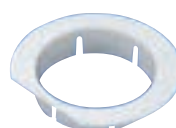
Caution

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

Item No.	Colour 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 *Colour ... 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.	Colour 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 *Colour ... Ivory (Silky White)

AP SEALANT PUTTY for A/C

Features

- All weather, fire retardant non-drying putty with superior adhesion.
- Temperature range : -20°C~50°C
- Working temperature : 5°C~40°C
- * Putty will harden below 5°C, 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.	Colour Variation	Contents	Pcs/Pkg
AP- 200		200g	100
AP-1000		1000g	20

CATCHER



CATCHER is the first Universal Condenser Bracket developed in Japan.

High - Quality Products

High-quality products varified from every angle including strength, materials, and durability.
We have the latest testing equipment to control quality.

Improved Work Efficiency

Designed to be functional and easy to install.
It's expected to reduce work costs.

Construction Example in JAPAN

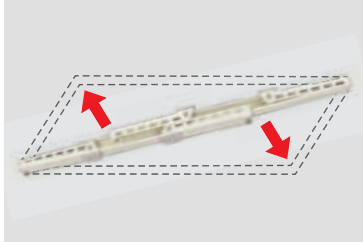
With a wide variety of products, you can choose according to your installation location.



Universal Condenser Bracket SLAB STAND

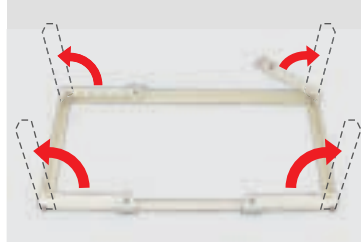
Easy
Assembly

Save assembly time with unique ideas.

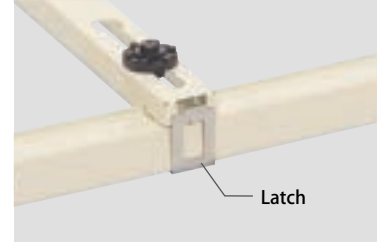


Simple Steps

Just open the frame and it becomes a rectangle. The legs are already temporarily assembled, so you can just stand them up and tighten a bolt.



*Specifications are only for IC-NG and C-NG-L.

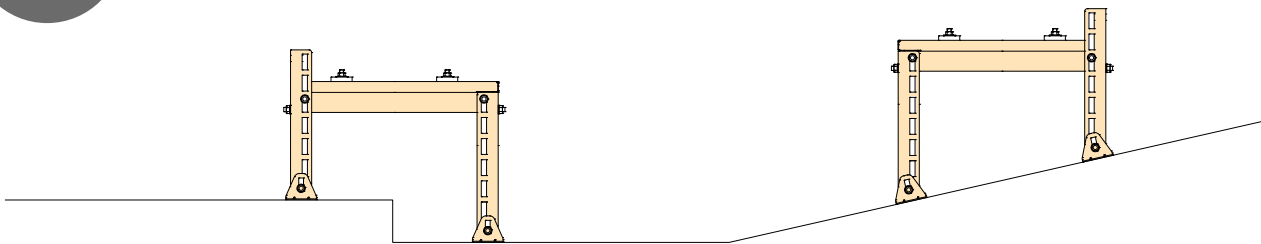


No Bolts

Simply push the latch into the frame to fix the base.

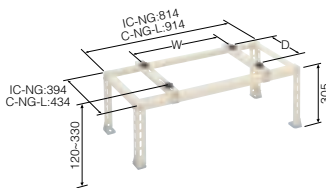
Flexible
Installation

Stays level even on sloped or uneven ground.

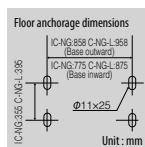


SLAB STAND - H300mm

For Residential



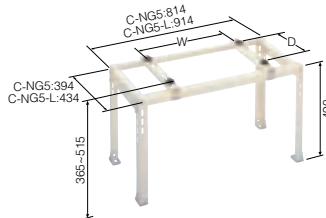
Capacity
80 kg



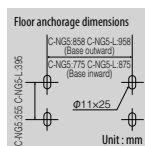
Item No.	Specification / Material	A/C applicable size	Pitch adjustment Rectangular setting	Min. lot
IC-NG	■	W : 300 ~ 700 D : 160 ~ 340	0° ~ 32° (Level ~ 6.2/10) 0° ~ 13° (Level ~ 2.3/10)	4
C-NG-L	■	W : 400 ~ 800 D : 200 ~ 380	0° ~ 28° (Level ~ 5.2/10) 0° ~ 12° (Level ~ 2.1/10)	4

SLAB STAND - H500mm

For Residential



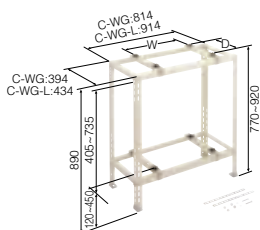
Capacity
80 kg



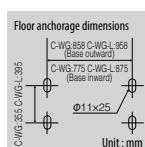
Item No.	Specification / Material	A/C applicable size	Pitch adjustment Rectangular setting	Min. lot
C-NG5	■	W : 300 ~ 700 D : 160 ~ 340	0° ~ 23° (Level ~ 4.2/10) 0° ~ 11° (Level ~ 1.9/10)	4
C-NG5-L	■	W : 400 ~ 800 D : 200 ~ 380	0° ~ 21° (Level ~ 3.8/10) 0° ~ 10° (Level ~ 1.7/10)	4

DUPLEX STAND

For Residential



Capacity
80 kg x 2 units



	Effective A/C dimensions on 1st step
	(Width) (Depth) (Height)
C-WG	734 314 723
C-WG-L	834 354 723

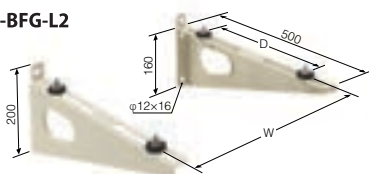
Item No.	Specification / Material	A/C applicable size	Pitch adjustment Rectangular setting	Min. lot
C-WG	■	W : 300 ~ 700 D : 160 ~ 340	0° ~ 19° (Level ~ 3.4/10) 0° ~ 9° (Level ~ 1.6/10)	2
C-WG-L	■	W : 400 ~ 800 D : 200 ~ 380	0° ~ 17° (Level ~ 3.0/10) 0° ~ 8° (Level ~ 1.4/10)	2

Specification / Material : ■ ... A highly corrosion resistant hot dip galvanized steel + Powder Coating
CATCHER – Universal Condenser Bracket

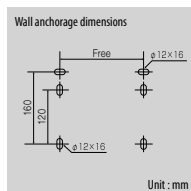
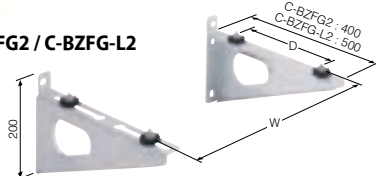
WALL BRACKET - Separated Type

For Residential

C-BFG-L2



C-BZFG2 / C-BZFG-L2



Caution

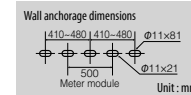
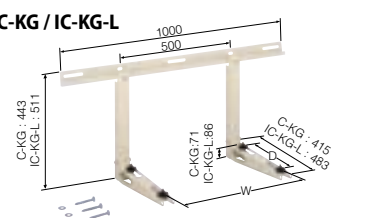
• Coach bolts are not included.

Item No.	Specification / Material	A/C applicable size	Min. lot
C-BFG-L2		W : Free D : 140 ~ 440	6
C-BZFG2		W : Free D : 100 ~ 330	6
C-BZFG-L2		W : Free D : 140 ~ 440	6

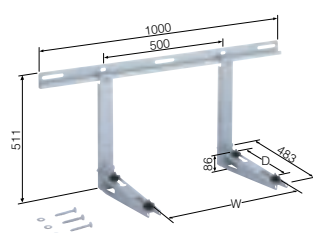
WALL BRACKET

For Residential

C-KG / IC-KG-L



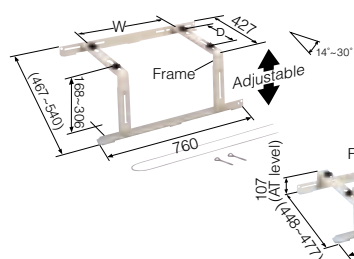
C-KZG-L



Item No.	Specification / Material	A/C applicable size	Min. lot
C-KG		W : 70 ~ 940 D : 160 ~ 340	4
IC-KG-L		W : 70 ~ 940 D : 160 ~ 400	4
C-KZG-L		W : 70 ~ 940 D : 160 ~ 400	4

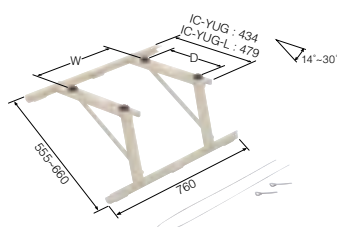
SLOPED ROOF BRACKET

For Residential

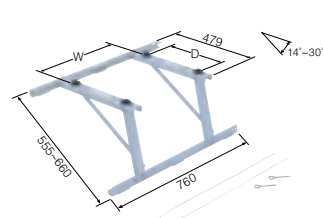


Can be adjusted for mild slope (0° ~ 17°) by assembling the frame upside down.

Item No.	Specification / Material	A/C applicable size	Pitch of roof Mild slope	Min. lot
C-YG		W : 300 ~ 700 D : 180 ~ 345	14° ~ 30° (2.5/10 ~ 5.8/10) 0° ~ 17° (Level ~ 3/10)	4



Item No.	Specification / Material	A/C applicable size	Pitch of roof Mild slope	Min. lot
IC-YUG		W : 100 ~ 700 D : 160 ~ 340	14° ~ 30° (2.5/10 ~ 5.8/10)	4
IC-YUG-L		W : 100 ~ 700 D : 160 ~ 400	14° ~ 30° (2.5/10 ~ 5.8/10)	4

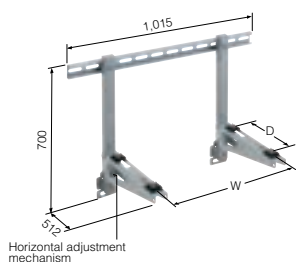


Item No.	Specification / Material	A/C applicable size	Pitch of roof Mild slope	Min. lot
C-YUZG-L		W : 100 ~ 700 D : 160 ~ 400	14° ~ 30° (2.5/10 ~ 5.8/10)	4

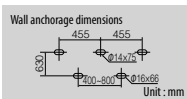
Specification / Material : ... A highly corrosion resistant hot dip galvanized steel + Powder Coating, ... Hot-Dip Galvanized

WALL BRACKET

For Light commercial

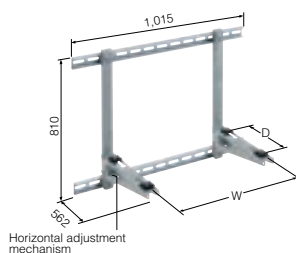


Capacity
150kg

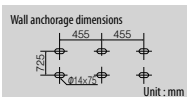


Anti-vibration base available

Item No.	Specification / Material	A/C applicable size	Min. lot
PC-KJ31	■	W : 400 ~ 800 D : 250 ~ 380	1

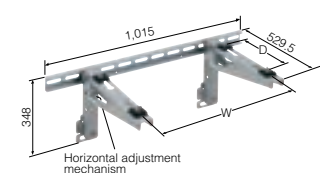


Capacity
150kg

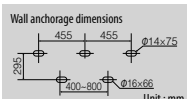


Anti-vibration base available

Item No.	Specification / Material	A/C applicable size	Min. lot
PC-KJ61	■	W : 400 ~ 800 D : 300 ~ 430	1

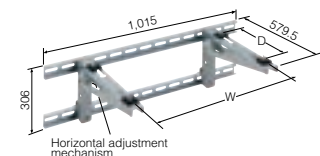


Capacity
150kg

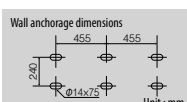


Anti-vibration base available

Item No.	Specification / Material	A/C applicable size	Min. lot
PC-BJ31	■	W : 400 ~ 800 D : 250 ~ 380	1



Capacity
150kg

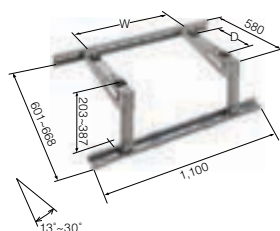


Anti-vibration base available

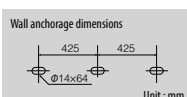
Item No.	Specification / Material	A/C applicable size	Min. lot
PC-BJ61	■	W : 400 ~ 800 D : 300 ~ 430	1

SLOPED ROOF BRACKET

For Light commercial



Capacity
150kg

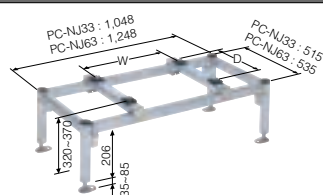


Anti-vibration base available

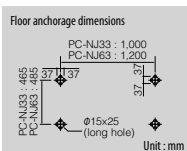
Item No.	Specification / Material	A/C applicable size	Pitch of roof Mild slope	Min. lot
PC-YJ60	■	W : 400 ~ 1,000 D : 300 ~ 430	13° ~ 30° (23/10 ~ 5.8/10)	1

SLAB STAND

For Light commercial



Capacity
200kg



Anti-vibration base available

Item No.	Specification / Material	A/C applicable size	Min. lot
PC-NJ33	■	W : 400 ~ 810 D : 250 ~ 410	1
PC-NJ63	■	W : 400 ~ 1,010 D : 270 ~ 430	1



TA550AH/TA55AHT-2

FLARING TOOL (Quick Handle Type)

Quick Handle makes flaring job much easier!



Quick handle



Forward

Backward

Slide-Lock



Easy and accurate positioning of clamping bar

Features

- White lines for easy positioning during clamping
- Slide lock mechanism for easy positioning of clamp bar

Size

For 1/4", 3/8", 1/2", 5/8"

Kit Contents

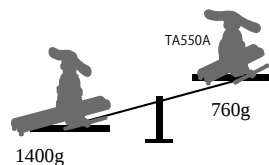
- Flaring Tool(TA550AH), Tube Cutter(TA560A), Reamer(TA530), Case(TA550CS-2)

Part No.	Description	Material	Weight
TA550AH	Unit Only	Aluminum	1,050g
TA55AHT-2	Kit	Aluminum	2,640g

TA550A/TA55AT-2/TA550NB-E/TA55NBT-2E

FLARING TOOL (Standard Type)

Simple and Robust!



50% lighter than steel designs

Features

- Lightweight (760g) and compact for easy carrying. It also improves workability.

Size

TA550A/TA55AT-2: For 1/4", 3/8", 1/2", 5/8"

TA550NB-E/TA55NBT-2E: For 1/4", 3/8", 1/2", 5/8", 3/4"

Kit Contents

- Flaring Tool(TA550NB-E), Tube Cutter(TA560A), Reamer(TA530), Case(TA550CS-2)

Part No.	Description	Material	Weight
TA550A	Unit Only	Aluminum	760g
TA55AT-2	Kit	Aluminum	2,350g
TA550NB-E	Unit Only	Steel	1,400g
TA55NBT-2E	Kit	Steel	3,000g

TA550CX/TA55CXT-2

FLARING TOOL (Impact Driver Type)

Electric driver makes flaring job much faster!



Features

- Socket adapter and copper tube guide included

Size

For 1/4", 3/8", 1/2", 5/8", 3/4"

Kit Contents

- Flaring Tool(TA550CX), Tube Cutter(TA560A), Reamer(TA530), Case(TA550CS-2)

Part No.	Description	Material	Weight
TA550CX	Unit Only	Steel	1,500g
TA55CXT-2	Kit	Steel	3,100g

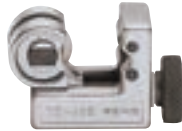


SCAN ME

TA560 Series

TUBE CUTTER

Sharp blade for clean cutting surface!



Features

- For 1/8"~1-1/4" (3.18~31.75mm)
- One spare cutting wheel included in handle

Features

- For 1/8"~5/8" (3.18~15.88mm)
- One spare cutting wheel included

Part No.	Capacity	Length
TA560A	1/8"~1-1/4"	128mm
TA560H	1/8"~5/8"	162mm

Replacement Cutting Wheel

Part No.	Quantity
TA560A-1	5

TA520CK

CRANK REAMER

Rotary style blade makes easy deburring.



Features

- The crank type allows quick and continuous rotation without wrist fatigue.
- For 1/4"~3/4"

Part No.	Capacity	Description
TA520CK	1/4"~3/4"	Crank reamer

Capable to rotate quickly
and remove burrs smoothly.



Beautiful finish no matter who does it.

Replacement Blade

Part No.	Capacity	Description
TA520CR-11	1/4"~3/4"	Inside
TA520CR-12	1/4"~5/8"	Outside

TA530 Series/TA535M-1

DEBURRING TOOLS

Variety of reamers for various use!

Deburring Tool for the inside and the outside of the tube set



TA530TA-S

Features

- For 1/4"~1-3/8" (8~35mm)
- Target pipe: Copper pipe, Stainless steel pipe
- 40blades



TA530TB

Features

- For 1/2"~2-1/8" (10~54mm)
- Target pipe: Copper pipe, Stainless steel pipe
- 40blades



TA530

Features

- For 1/8"~7/8" (3.18~22.23mm)
- Target pipe: Copper pipe

- Target pipe: Copper pipe



TA535M-1

Features

- For 1/8"~5/8" (3.18~15.88mm)



Part No.	Capacity	Description
TA530	1/8"~7/8"	Robust steel body
TA530TA-S	1/4"~1-3/8"	Compatible with electric drill adapter*
TA530TB	1/2"~2-1/8"	For big size pipe
TA535M-1	1/8"~5/8"	Suitable for PVC

*Do not use with impact driver.

TA920FA/FB

FLARE AID (Bottle type / Tube type)

Protecting the flared surface and sealing tight!



Features

- Compatible with all refrigerants except mineral oil



Part No.	Volume	Package Qty
TA920FA	50ml	1
TA920FB	30ml	1

TA515M-S1

GEAR TYPE TUBE BENDER

For Soft & Hard Copper Tubes

High portability, workability, and beauty of the finished product.



Features

- Tubes: For Soft and Hard copper tubes
- Radius: $R=4D$ (Excluding TA515M-13, bend up to 180°)
- Length of Tripod / Weight Min. 550 mm ~ Max. 790mm / 6.9kg

Set contents

- Bender former and guide: 7/8", 1", 1-1/8" (TA515M-7/8/9)
- Tripod (TA515M-T)
- Ratchet wrench (TA515M-W)
- Carrying bag (TA515M-B)

Part No.	Tubes	Radius
TA515M-S1	Soft and Hard	$R=4D$

OPTIONS



Adapter for Impact or Drill Driver

Part No.
TA515M-D



Tripod

Part No.
TA515M-T

1/2" Telescopic Ratchet Wrench
Length: 420~660mm

Part No.
TA515M-W

Carrying Bag
Dimensions: W670xD330xH300mm

Part No.
TA515M-B

Set of Bender
Former and Guide

Part No.	Tube O.D.	Radius
TA515M- 7	7/8"	88.9mm
TA515M- 8	1"	101.6mm
TA515M- 9	1-1/8"	114.3mm
TA515M-10	1-1/4"	127.0mm
TA515M-11	1-3/8"	139.7mm
TA515M-12	1-1/2"	152.4mm
TA515M-13	1-5/8"	152.4mm

TA512PR

RATCHET TUBE BENDER SET

For Soft Copper Tubes

Standard model with reverse adapter included for excellent cost performance.



Features

- Tube O.D.: 1/4"~7/8" (6.35~22.23mm)
- Max. Bending Angle: 90°
- For soft copper tubes

Contents of Set

- Main body
- Revers adapters
- Formers (1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8")
- Guide arms (1/4"~5/8")
- Guide arms (3/4"~7/8")

Part No.	Tubes
TA512PR	Soft

TA540P Series

DETACHABLE LEVER BENDER

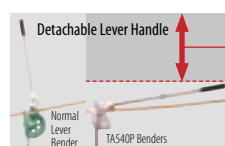
For Soft Copper Tubes

Split-type bender with excellent workability at the wall.



Features

- Up to 90° Bending
- For soft copper tubes



Enable to work in limited spaces



Rollers in bending handle reduce friction

Part No.	Tube O.D.	Radius	Length
TA540P-4	1/2"	38mm	405~575mm
TA540P-5	5/8"	57mm	430~600mm
TA540P-6	3/4"	76mm	620~850mm
TA540P-7	7/8"	85mm	635~865mm

TA525PA

LIGHTWEIGHT EXPANDER KIT

For Soft Copper Tubes

A new lightweight expander with a main body weight of 850g is now available!



Features

- Tube O.D.: 1/4"~2-1/8" (Optional Expander Heads Available)
- For soft pipe

Set contents

- Main body
- 6 heads for expanding (3/8", 1/2", 5/8", 3/4", 7/8", 1")
- Includes a deburring tool.
- Carrying case

Tube O.D. 1/4"~2-1/8" (6.35~53.98mm)
Optional Expander Heads Available

Part No.	Tubes
TA525PA	Soft

Expander Heads



Part No.	Tube O.D.	Part No.	Tube O.D.	Part No.	Tube O.D.
TA525-2	1/4"	TA525-7	7/8"	TA525-12	1-1/2"
TA525-3	3/8"	TA525-8	1"	TA525-13	1-5/8"
TA525-4	1/2"	TA525-9	1-1/8"	TA525-14	1-3/4"
TA525-5	5/8"	TA525-10	1-1/4"	TA525-15	2"
TA525-6	3/4"	TA525-11	1-3/8"	TA525-16	2-1/8"

* Optional head can be selected from TA525-2 to 16.

TA510L Series SPRING BENDER FOR INSULATED COPPER TUBES

Insert the bender into the copper tube and bend it.



Features

- Length: 2.6m
- Enable to bend without removal of insulation.
- Pull spring bender out while turning it counterclockwise after bending tube.

Part No.	Tube O.D.
TA510L-2	1/4" (6.35mm)
TA510L-3	3/8" (9.53mm)
TA510L-4	1/2" (12.70mm)
TA510L-5	5/8" (15.88mm)
TA510L-6	3/4" (19.05mm)

TA510SK STAINLESS SPRING BENDER FOR INSULATED COPPER TUBES SET

Made of Stainless



Set contents

- 3/8", 1/2", 5/8" each 1(2.6m)
- Case (TA984FA) 390×310×110mm

Part No.
TA510SK

TA504SA/SB COPPER TUBE REPAIR TOOL

Correction tool to return flattened copper tubing to near circular shape.



TA504SA



TA504SB

Part No.	Tube O.D.
TA504SA	1/4", 3/8", 1/2", 5/8"
TA504SB	1/4", 3/8", 1/2", 5/8", 3/4", 7/8"

TA746TA FLAT NOSE PLIER

For straightening condenser and evaporator fins.



Features

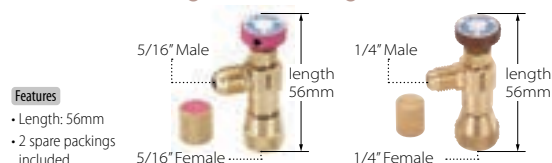
- Length: 160mm
- The thin blade can be used for fins with a narrow pitch.



Part No.
TA746TA

TA166ZA/TA166YA/TA166ZA-EXP CHARGING VALVE

Prevents refrigerant leakage when disconnecting the charging valve from the port on the unit.



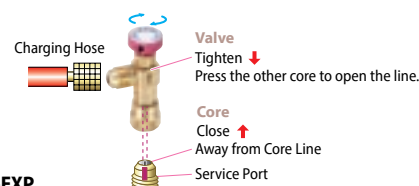
Features

- Length: 56mm
- 2 spare packings included

Part No.	Fittings
TA166ZA	5/16" (1/2-20UNF) fittings
TA166YA	1/4" (7/16-20UNF) fittings
TA166ZA-EXP	5/16" Female, 1/4" Male fittings

Gasket for TA166ZA/TA166YA/TA166ZA-EXP

Part No.	Quantity	Charging Valve
TA166H-1P	2	TA166ZA, TA166ZA-EXP
TA166HC-1P	2	TA166YA



Single screw



Double screw



TA771WT-23**COMBINATION TORQUE WRENCH**

1/4" and 3/8" torque wrench in one!

**Features**

- Two roles in one torque wrench
- 17 mm×17.2 N·m
- 22 mm×39.9 N·m
- For mini split A/C (RAC)

Part No.	Length
TA771WT-23	300 mm

Combination Torque Wrench with Case

Part No.
TA771WT-23S

Case for TA771WT-23

Part No.
TA771CS-7

TA771 Series**PRECISION TORQUE WRENCH****TOHNICHI Torque Wrench****Features**

- Forged tip eliminates deterioration due to wear.
- With calibration certificate

Part No.	Flare Nut	Wrench Size	Torque N·m	Length
TA771B	1/4"	17mm	17.2	220mm
TA771H	3/8"	22mm	39.9	265mm
TA771L*	1/2"	24mm	53.9	265mm
TA771R*	5/8"	27mm	75.0	335mm
TA771S-2	3/4"	36mm	120.0	403mm

* For refrigerants other than R410A/R32, and for some R410A/R32.

R410A/R32 only

**Features**

- Forged tip eliminates deterioration due to wear.
- With calibration certificate

Part No.	Flare Nut	Wrench Size	Torque N·m	Length
TA771L-2	1/2"	26mm	53.9	265mm
TA771R-2	5/8"	29mm	75.0	335mm

**Precision Torque Wrench Kit (For 1/4" and 3/8")****Set contents**

- TA771B 1/4" (17mm×17.2N·m)
- TA771H 3/8" (22mm×39.9N·m)
- TA771CS-5 (Carrying case)

Part No.
TA771BH

**Precision Torque Wrench Kit (For 1/2" and 5/8")****Set contents**

- TA771L-2 1/2" (26mm×53.9N·m)
- TA771R-2 5/8" (29mm×75.0N·m)
- TA771CS-6 (Carrying case)
- R410A/R32 system only

Part No.
TA771LR-3

**Precision Torque Wrench Kit (For 1/4", 3/8", 1/2")****Set contents**

- TA771B 1/4" (17mm×17.2N·m)
- TA771H 3/8" (22mm×39.9N·m)
- TA771L-2 1/2" (26mm×53.9N·m)
- TA771CS-6 (Carrying case)
- R410A/R32 system only

Part No.
TA771FC

TA823WC/TA823WD

HANDY AIR JACK

Great use as a stopper when connecting the left piping of a room air conditioner!

Useful in various places such as installation of room A/C, moving furniture and home appliances, and carrying them out!

Purpose

- As a stopper when connecting the left piping of room A/C

Features

- Up to 100kg
- Lifting size 2mm~50mm
- Material: Fiber cloth reinforced TPU



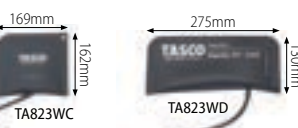
Standard Type



Wide Type



To secure work space



Part No.	Size
TA823WC	169×162mm
TA823WD	275×130mm

TA918SS/TA918SX

SUCTION CLEANER



Features

- Insert it into the end of a drain hose or into a drain outlet, and simply push or pull the handle to remove a pinch of filth.

Suction Cleaner

Part No.

TA918SS



Features

- For 13mm to 25mm I.D. drain pipes or hoses
- Includes straight nozzle and elbow nozzle

Suction Cleaner for drain hose

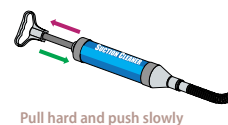
Part No.

TA918SX

- 1 Attach to drainage hose and push-pull 2-3 times.

- 2 Takes away the clogs in pipes.

- 3 No more clogs!!



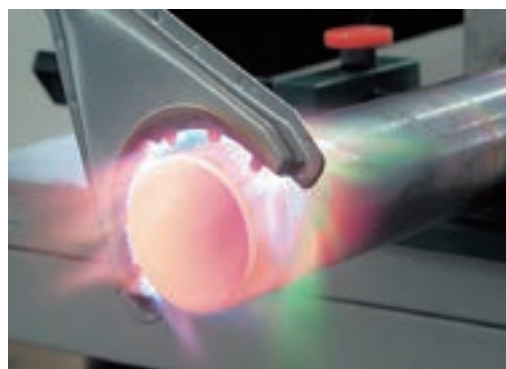
Pull hard and push slowly



TA379MP Series

PROPYLENE GAS TORCH (Ring Torch)

Reduced working time compared to conventional torch.



Max. Temperature

2200°C

Promax Gas Fire Kit

- Lightweight head for easy operation.
- One-touch ignition system - easy to ignite even in humid places.
- Ring fire mouth - Flames wrap around the copper pipe, increasing work efficiency!
- American type fitting.



Features

- Copper Pipe (Max 1-1/2")
- For TA379MP-5H (Propylene Torch)

Nozzle for Large Round Flame

Part No.

TA379MP-5RD



Features

- Copper Pipe (Max 7/8")
- For TA379MP-5H (Propylene Torch)

Nozzle for Small Round Flame

Part No.

TA379MP-5R



Features

- Hose length: 1.5m
- For TA379MP-5RD or TA379MP-5R

Trigger with 1.5m Hose

Part No.

TA379MP-5H



Set contents

- TA379MP-5H
- TA379MP-5R
- TA379MP-5RD

*Propylene Cylinders are not included. Please prepare separately.

Ring Torch Kit

Part No.

TA379MP-RS-EXP

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