



Daikin Airconditioning (Singapore) Pte Ltd



HVAC INSTALLATION MATERIALS



PSB Singapore



ASTM B280 - 16



QAIC/SG/380-A



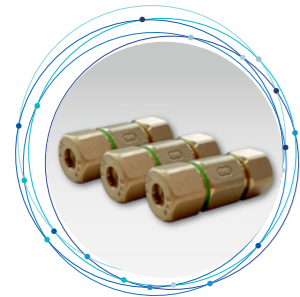
DAIKIN GAS TIGHT JOINT (DGT)



Daikin Gas Tight Joint (DGT) is non-brazed connection for Refrigerant piping.

DGT meets with the stringent requirements in terms of safety and leak tightness while providing substantial benefits:

- i. Enhanced Safety with no brazing required
- ii. Time Saver with easy fitting installation
- iii. Less labour intensive
- iv. No Hot Work Permit application is required



+ LINE UP

Model Name	Size (mm)
BDGTA06	ø 6.4
BDGTA06	ø 9.5
BDGTA12	ø 12.7
BDGTA15	ø 15.9
BDGTA19	ø 19.1
BDGTA22	ø 22.2
BDGTA28	ø 28.6

+ SPECIFICATIONS

Applicable Refrigerant	R32, R410A, R407C, Other HFC refrigerant
Applicable Refrigerant Oil	Ether oil, Ester oil, Polyol ester oil, Polyalkylene glycol oil
Maximum Pressure	4.3Mps
Minimum Pressure	-755mmHg
Maximum Temperature	130°C
Minimum Temperature	-45°C
Standard	ISO14903



SEAMLESS COPPER PANCAKE COIL & STRAIGHT PIPE



DSP Seamless Copper Pancake Coil and Straight Copper Pipe are manufactured to the stringent quality standards.

To ensure excellent performance, the highest quality cathode copper with 99.9% Cu is used. The product line offers a wide selection of choices to meet the needs of various air-conditioning and refrigeration (ACR) applications.

Standard Length Per Coil/Pipe

Type	Temper	Length (m)
Pancake Coil	Annealed	15
Straight Copper Pipe	Hard Drawn	5.8



SPECIFICATIONS

Chemical Properties

Standard	Grade	Chemical Properties	
		Copper CU (%)	Phosphorus P (%)
ASTM B280	C12200	99.9	0.015 - 0.04

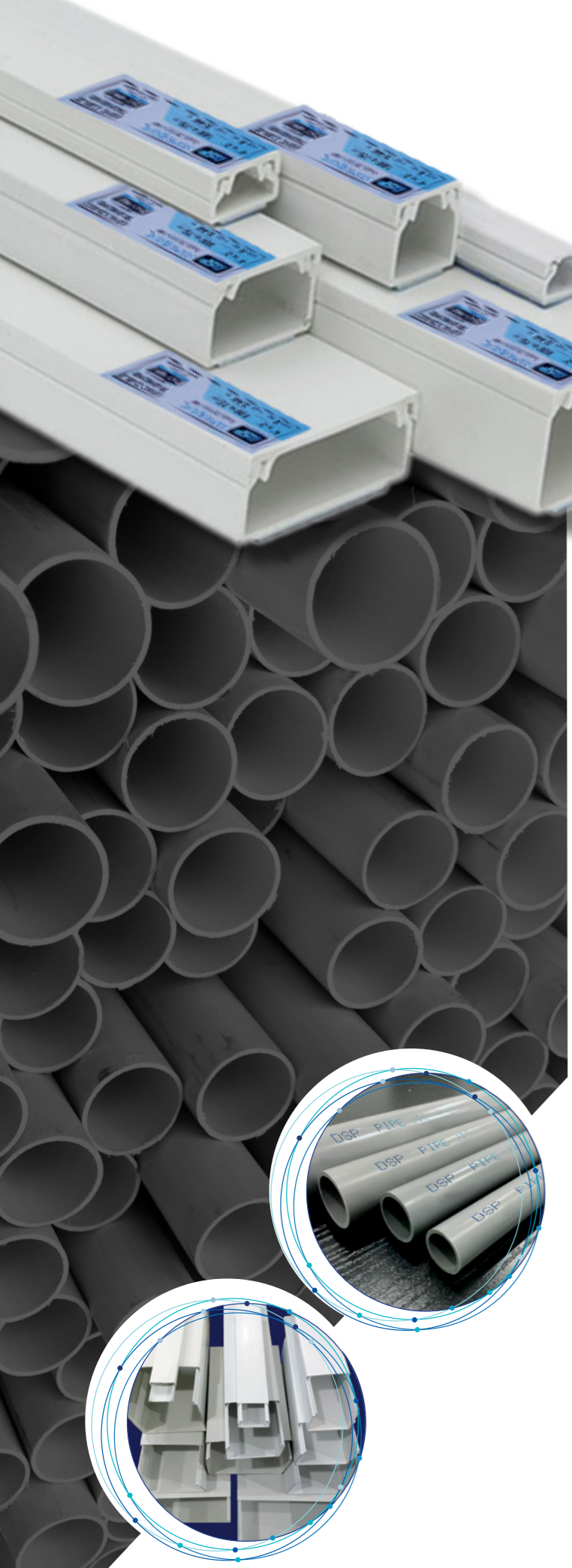
Mechanical Properties

Temper	Mechanical Properties			
	Tensile Strength (Mpa)	Elongation (%)	Hardness	Average Grain Size (mm)
H58	min 250	-	-	-
O60	min 205	min 40	-	min 0.04

Available Sizes

Type		Annealed Pancake Coil	
SWG		22	21
Wall Thickness (mm)		0.71	0.81
Outer Diameter			
mm	inch		
6.35	1/4"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.52	3/8"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12.7	1/2"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15.88	5/8"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19.05	3/4"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22.22	7/8"		<input checked="" type="checkbox"/>
25.4	1"		
28.58	1 1/8"		
34.93	1 3/8"		
41.28	1 5/8"		

* Subject to availability. Please call to enquire.



TRUNKING & UPVC DRAINAGE PIPE

DSP Trunking and uPVC Drainage Pipe offer a range of unique characteristics that make them versatile in their field of application.

These pipes are grey in colour and are commonly used as cable ducting, flush pipe and air-conditioning water discharge outlet.

There is an ease in handling due to the pipe's light weight. This makes transportation and unloading easier and thus minimise operation cost.

The smooth bore provides greater hydraulic capacity and minimises deposit build up or roughening of the pipe walls.

The pipes can be readily joined by solvent welding. This provides the versatility in joining and minimise the flow of obstructions.

Standard Length Per Piece

Type	Length (ft)	Length (m)
Trunking	8	2.44
uPVC Drainage Pipe	9.5	2.9



Comply: 315 SS275:1999

SPECIFICATIONS

Characteristics and Advantages

WIDE SELECTION

Complete range of A/C Trunking from 52 x 25mm to maximum size of 250 x 125mm.

GREAT SAVINGS

Made higher and wider (cater for A/C industries) in order for extra capacity, therefore paying extra for large trunking is not required.

VERSATILE

Improved snap-on lids provides strong cover grip with removable character that allows multiple openings and closings without deformation.

DURABILITY

Anti-corrosion with weather-resistant additive to ensure a long-lasting finishing to withstand their extreme UV attack with mid-day temperatures of 60°C.

uPVC Trunking

Width & Height		Exact Size	Pack
50 x 25 mm	2 x 1 inch	55 x 31 mm	10
50 x 38 mm	2 x 1 1/2 inch	55 x 38 mm	10
50 x 50 mm	2 x 2 inch	55 x 55 mm	10
75 x 50 mm	3 x 2 inch	75 x 54 mm	10
75 x 64 mm	3 x 2 1/2 inch	80 x 65 mm	10
75 x 75 mm	3 x 3 inch	76 x 79 mm	10
100 x 50 mm	4 x 2 inch	100 x 54 mm	10
100 x 64 mm	4 x 2 1/2 inch	103 x 65 mm	10
100 x 75 mm	4 x 3 inch	101 x 75 mm	6
100 x 100 mm	4 x 4 inch	101 x 105 mm	6
125 x 50 mm	5 x 2 inch	125 x 50 mm	5
150 x 50 mm	6 x 2 inch	150 x 50 mm	5
150 x 75 mm	6 x 3 inch	152 x 75 mm	5
150 x 100 mm	6 x 4 inch	153 x 106 mm	2
200 x 100 mm	8 x 4 inch	200 x 105 mm	2
250 x 125 mm	10 x 5 inch	250 x 125 mm	2

uPVC Drainage Pipe

Size (O.D.)	Thickness	Packing
13 mm	1.85 mm	50
16 mm	1.90 mm	20
20 mm	2.75 mm	20
25 mm	1.95 mm	20
30 mm	2.75 mm	20
40 mm	2.00 mm	10
	3.10 mm	10
	2.00 mm	10
	3.10 mm	10
	2.00 mm	10



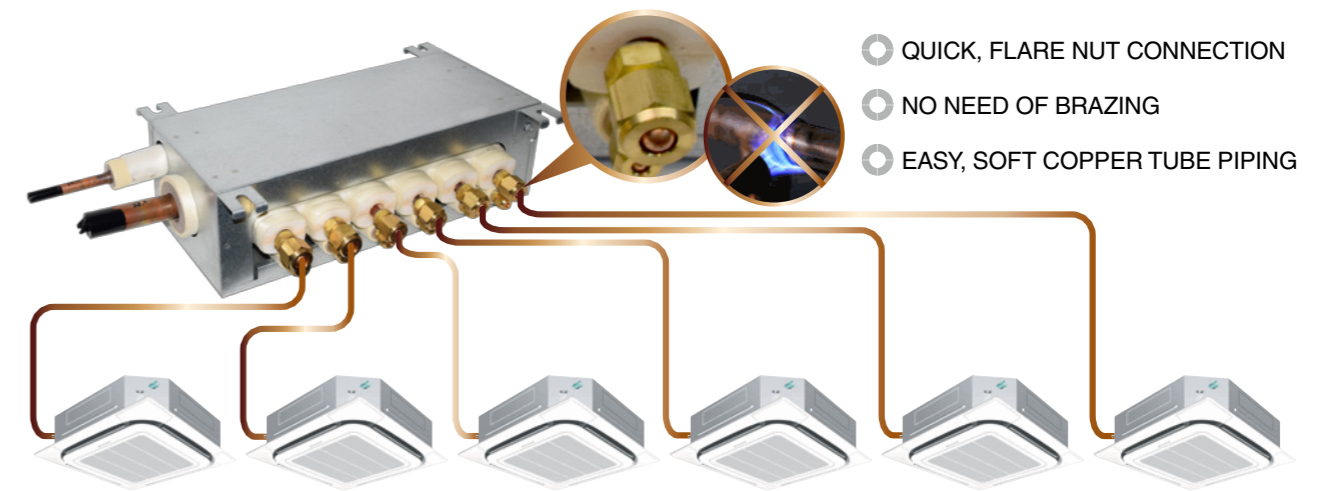
**HEADER
PACK**



Advantages

<p>INSTALLATION TIME SAVING</p> <p>1/3 of conventional</p>	<p>EASY TO INSTALL</p> <p>No brazing work</p>	<p>SAFETY</p> <p>No fire in the building</p>	<p>SPACE SAVING</p> <p>Attic height reduction by 300mm</p>
---	--	---	---

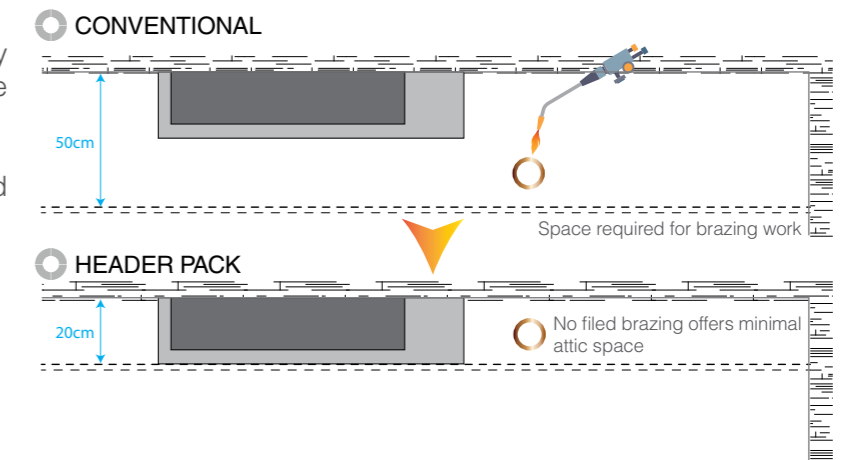
CONNECT UP TO 6 INDOOR UNITS



COMPACT DESIGN TO FIT INTO NARROW ATTIC SPACE

Light weight and the compact body gives minimum damage on the building structure.

Higher ceiling offers luxurious and comfortable room.



HEADER PACK LINEUP

Model Name	HP	Piping connections (Liquid / Gas mm)		Indoor unit total capacity index
		Outdoor unit side	Indoor unit side	
BHF8RHP6	8	ø 9.5 / ø 19.1	(ø 9.5 / ø 15.9) x 3	150 ≤ X < 200
BHF10RHP6	10	ø 9.5 / ø 22.2	(ø 6.4 / ø 12.7) x 3	200 ≤ X < 290
BHF16RHP6	16	ø 12.7 / ø 28.6		290 ≤ X < 420



CLOSED CELL TUBING, SHEET & ROLL INSULATION



DSP Closed Cell Elastomeric Nitrile Rubber Tubing and Sheet Insulation are specifically manufactured for uncompromising, reliable performance, meeting all requirements from structure to dimensions.

Combined with our relentless attention to quality and detail, our product selection offers every aspect to meet the technical insulation demands to reduce energy consumption and prevent condensation and corrosion under insulation of air-conditioning and refrigeration (ACR) applications.

Standard Length Per Piece

Type	Length (ft)	Length (m)
Closed Cell Tubing	6	1.83
Sheet Flat	4 x 3	1.22 x 0.91
Sheet Roll	4 x 30	1.22 x 9.14



Characteristics and Advantages

<p>FLEXIBILITY</p> <p>The extreme flexibility of the material makes installation fast, easy and economical</p>	<p>HIGH EFFICIENCY</p> <p>Low thermal conductivity ('K' Value) which makes it highly efficient and effective in the insulation of cooling or heating system</p>	<p>DURABILITY</p> <p>Able to withstand tearing, rough handling and severe site conditions</p>	<p>PROTECTION</p> <p>Closed cell structure forms a good water vapor barrier</p>
<p>PREVENTIVE</p> <p>Dust, fiber free and resistance to fungus growth</p>	<p>SAFETY</p> <p>Self extinguished in nature</p>	<p>ENVIRONMENTAL FRIENDLY</p> <p>Non-corrosive</p>	

Chemical & Mechanical Properties

Average Physical Properties	Rating	Test Method
Density	60 kg/m' to 80 kg/m'	ASTM D1667
Thermal Conductivity ('K' Value) at 20°C mean temperature	0.035 W/mK	ASTM C518
Temperature Limit °C	-40°C to +105°C	
Water Absorption (% by weight)	<3%	ASTM D1056
Water Vapour Permeability Perm - in. Max	0.09 Perm-inch	ASTM E96
Water Vapour Resistance u Factor	> 5000	DIN 52615 - 73
Thermal Stability 7 Days 200°F (% shrinkage) 7 Days 220°F	4.5 5.5	ASTM C548
Average Fire Propagation Average Surface Spread of Flame Average Time of Burning	Class 0 Class 1 Less than 5 seconds	B5 476 PART 6 B5 476 PART 7 ASTM D635 - 91
Reaction To Fire	V-0, 5VA, HF-1, Self-Extinguishing, No Dripping	UL 94

Singapore Certificate of Conformity (TUV/PSB Class 'O')

Singapore Green Building Council (Awarded)

Closed Cell Tubing

No.	Normal Insulation Size		Copper Pipe		Tubing - Standard Unit Length (6 Feet)							
			Nominal Size (OD)		Nominal Thickness (6mm)	Nominal Thickness (9mm)	Nominal Thickness (13mm)	Nominal Thickness (19mm)	Nominal Thickness (25mm)	Nominal Thickness (32mm)	Nominal Thickness (38mm)	Nominal Thickness (50mm)
	mm	inch	mm	inch	Pcs/Ctn	Pcs/Ctn	Pcs/Ctn	Pcs/Ctn	Pcs/Ctn	Pcs/Ctn	Pcs/Ctn	Pcs/Ctn
1	6	1/4	6	1/4	250	168	100	48	-	-	-	-
2	10	3/8	10	3/8	200	120	90	36	30	-	-	-
3	13	1/2	13	1/2	150	100	70	30	28	-	9	-
4	16	5/8	16	5/8	120	90	63	30	24	-	9	6
5	19	3/4	19	3/4	100	72	56	26	20	-	9	6
6	22	7/8	22	7/8	90	65	42	24	20	14	9	6
7	25	1	25	1	80	49	36	20	18	12	9	6
8	28	1 1/8	28	1 1/8	-	49	36	20	18	12	9	6
9	32	1 1/4	32	1 1/4	-	42	30	20	16	12	-	-
10	35	1 3/8	35	1 3/8	-	36	30	18	15	12	8	4
11	42	1 5/8	42	1 5/8	-	30	25	16	12	10	8	4
12	48	1 7/8	48	1 7/8	-	28	20	12	10	9	6	4
13	51	2	51	2	-	24	20	12	9	8	-	-
14	54	2 1/8	54	2 1/8	-	20	18	12	9	6	6	4
15	60	2 3/8	60	2 3/8	-	20	18	9	9	6	6	4
16	67	2 5/8	67	2 5/8	-	18	13	8	8	6	6	4
17	73	2 7/8	73	2 7/8	-	18	13	8	8	6	-	-
18	76	3	76	3	-	18	12	8	8	6	-	-
19	79	3 1/8	79	3 1/8	-	15	12	6	6	5	-	-
20	89	3 1/2	89	3 1/2	-	15	12	6	6	5	-	-
21	100	4	100	4	-	13	12	6	5	5	-	-
22	115	4 1/2	115	4 1/2	-	13	10	6	5	5	-	-

Sheet Flat

Standard Flat Sheets						
Nominal Thickness		Size		No of Sheets	Total Area Per Ctn	
mm	inch	m	ft	Per Carton	m ²	ft ²
3	1/8	1.22 x 0.914	4 x 3	80	89.2	960
6	1/4	1.22 x 0.914	4 x 3	40	44.6	480
9	3/8	1.22 x 0.914	4 x 3	26	28.99	312
13	1/2	1.22 x 0.914	4 x 3	20	22.3	240
15	5/8	1.22 x 0.914	4 x 3	16	17.84	192
19	3/4	1.22 x 0.914	4 x 3	14	15.61	168
25	1	1.22 x 0.914	4 x 3	10	11.15	120
32	1 1/4	1.22 x 0.914	4 x 3	8	8.92	96
38	1 1/2	1.22 x 0.914	4 x 3	7	7.8	84
50	2	1.22 x 0.914	4 x 3	5	5.57	60

Sheet Roll

Continuous Rolls						
Nominal Thickness		Size Per Roll		Total Area Per Roll		
mm	inch	m	ft	m ²	ft ²	ft ²
3	1/8	1.22 x 9.14	4 x 30	11.15	120	960
6	1/4	1.22 x 9.14	4 x 30	11.15	120	480
9	3/8	1.22 x 9.14	4 x 30	11.15	120	312
13	1/2	1.22 x 9.14	4 x 30	11.15	120	240
15	5/8	1.22 x 9.14	4 x 30	11.15	120	192
19	3/4	1.22 x 9.14	4 x 30	11.15	120	168
25	1	1.22 x 9.14	4 x 30	11.15	120	120
31	1 1/4	1.22 x 9.14	4 x 30	11.15	120	96
38	1 1/2	1.22 x 9.14	4 x 30	11.15	120	84
50	2	1.22 x 4.57	4 x 15	5.57	60	60

Daikin Airconditioning (Singapore) Pte Ltd
 10 Ang Mo Kio Industrial Park 2, Singapore 569501
 Tel: 6583 8888
 Website: www.daikin.com.sg

Spare Parts Centre
 Email: accessories@daikin.com.sg
 Tel: 6311 8687 Fax: 6349 7313
 Operating Hours
 Monday to Friday: 9.00am to 5.00pm
 Saturday: 9.00am to 12.00pm
 Sun & Public Holiday: Closed