



PREMIUM QUALITY

HEATING, COOLING,
VENTILATION AND
AIR CONDITIONING (HVAC)
EQUIPMENT



SOLAR SAFE ALUMINUM-CLAD INSULATED COPPER TUBE

FLAME RETARDANCY 



Features

High Thermal Insulation: The closed-cell insulation structure minimizes heat transfer.

External Protection: The durable outer jacket protects the tubing from impact, moisture and environmental factors.

Condensation Prevention: Prevents surface condensation and extends system service life.

Easy Installation: The pre-insulated construction reduces installation time.

Copper Durability: High-quality copper provides excellent leak tightness and long service life.

Fire

Excellent flame-retardant performance
BL-s1, d0, M1, UL723
VOC (Volatile Organic Compounds) compliant

Sustainability

Fully recyclable

Thermal Performance

Wide service temperature range
Minimum -80 °C
Maximum 95 °C (EN 14707)

Water

Closed-cell structure for high water-vapor resistance
Water-vapor resistance factor $\mu \geq 10,000$ (EN 13469)
Water absorption WS05 (EN 13472)

TECHNICAL SPECIFICATIONS

Chemical Composition	99.9% Cu-Dhp	Thermal Conductivity (20°C)	364W/mK
Compliance	EN 12735-1	Condition	Ends sealed, dehydrated
Key Benefits	High Thermal Insulation, External Protection, Condensation Prevention		

Tube Diameter (inch)	1/4"	3/8"	1/2"	1/2"	5/8"	3/4"	7/8"
Tube Wall Thickness (mm)	0.8	0.8	0.8	1	1	1	1.12
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Working Pressure (bar)	191	123	91	115	91	75	72
Coil Length (m)	15/50	15/50	15/50	15/50	15/50	15/50	15/50
R-Value	4.5	4.0	4.0	4.0	4.0	4.0	4.0

SOLAR SAFE ALUMINUM-CLAD INSULATED TWIN COPPER TUBE

FLAME RETARDANCY 



TECHNICAL SPECIFICATIONS

Chemical Composition 99.9% Cu-Dhp

Thermal Conductivity (20°C) 364W/mK

Compliance EN 12735-1

Condition Ends sealed, dehydrated

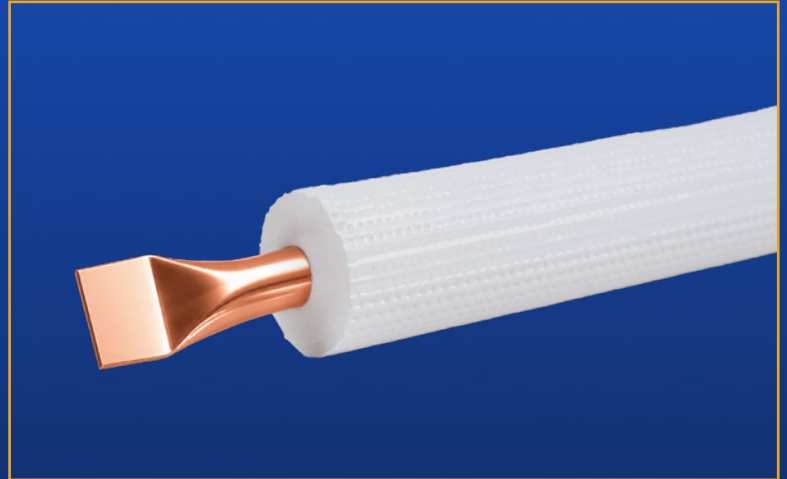
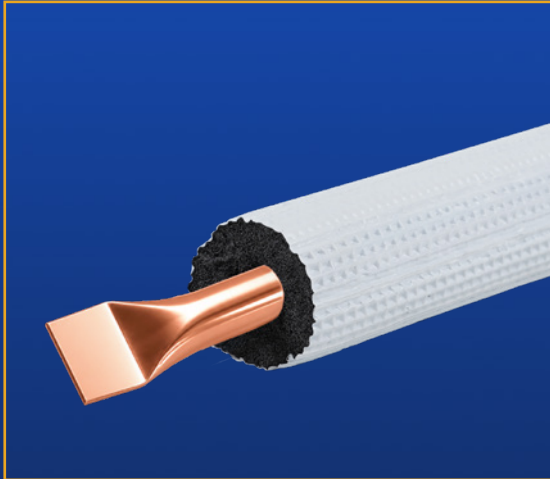
Key Benefits High Thermal Insulation, External Protection, Condensation Prevention



Tube Diameter (inch)	1/4" + 3/8"	1/4" + 1/2"	1/4" + 5/8"	3/8" + 5/8"
Tube Wall Thickness (mm)	0.8 + 0.8	0.8 + 0.9	0.8 + 1	0.8 + 1
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Working Pressure (bar)	191 - 123	191 - 109	191 - 91	123 - 91
Coil Length (m)	15 - 50	15 - 50	15 - 50	15 - 50
R-Value	4.0	4.0	4.0	4.0

WHITE PE INSULATED COPPER TUBE

FLAME RETARDANCY 



Features

Distinctive aesthetic appearance
Excellent mechanical strength

Fire

Excellent flame-retardant performance
BL-s1, d0, M1, UL723
VOC (Volatile Organic Compounds) compliant

Sustainability

Fully recyclable

Thermal Performance

Wide service temperature range
Minimum -80 °C
Maximum 95 °C (EN 14707)

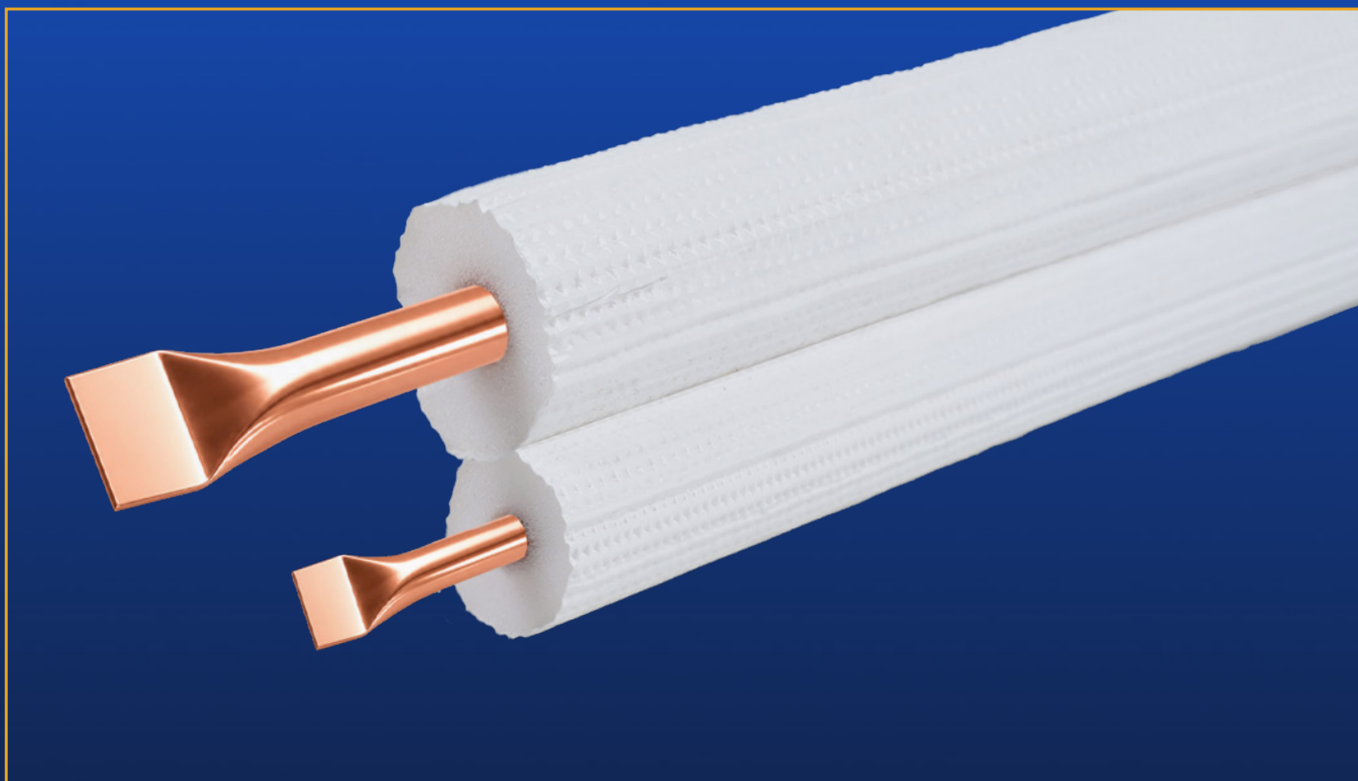
Water

Closed-cell structure for high water-vapor resistance
Water-vapor resistance factor $\mu \geq 10,000$ (EN 13469)
Water absorption WS05 (EN 13472)

Tube Diameter (inch)	1/4	3/8	1/2	1/2	5/8	3/4	7/8
Tube Wall Thickness (mm)	0.8	0.8	0.8	0.9	1	1	1.12
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Working Pressure (bar)	191	123	91	103	91	75	72
Coil Length (m)	15/50	15/50	15/50	15/50	15/50	15/50	15/50

WHITE PE INSULATED TWIN COPPER TUBE

FLAME RETARDANCY 



TECHNICAL SPECIFICATIONS

Chemical Composition 99.9% Cu-Dhp

Thermal Conductivity (20°C) 364W/mK

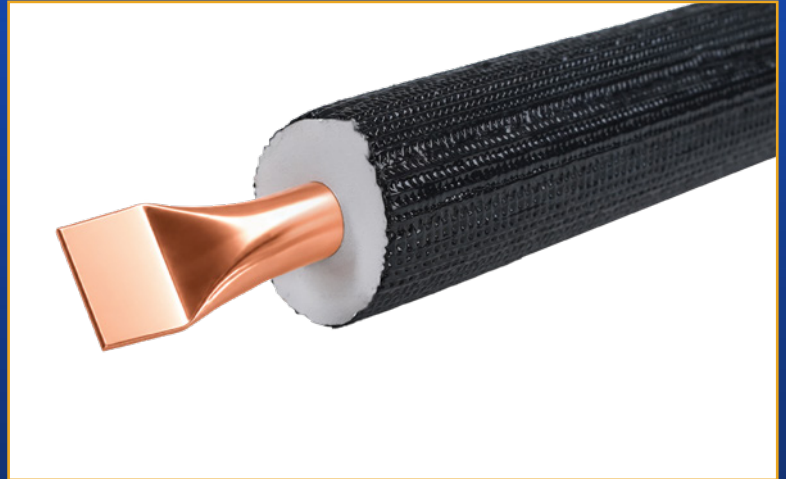
Compliance EN 12735-1

Condition Ends sealed, dehydrated

Tube Diameter (inch)	1/4" + 3/8"	1/4" + 1/2"	1/4" + 5/8"	3/8" + 5/8"	3/8" + 3/4"	1/2" + 3/4"
Tube Wall Thickness (mm)	0.8 + 0.8	0.8 + 0.9	0.8 + 1	0.8 + 1	0.8 + 1	0.8 + 1
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Working Pressure (bar)	191 - 123	191 - 103	191 - 91	123 - 91	123 - 75	91 - 75
Coil Length (m)	15 - 50	15 - 50	15 - 50	15 - 50	15 - 50	15 - 50

BLACK PE INSULATED COPPER TUBE

FLAME RETARDANCY 



Features

Distinctive aesthetic appearance
Excellent mechanical strength

Fire

Excellent flame-retardant performance
BL-s1, d0, M1, UL723
VOC (Volatile Organic Compounds) compliant

Sustainability

Fully recyclable

Thermal Performance

Wide service temperature range
Minimum -80 °C
Maximum 95 °C (EN 14707)

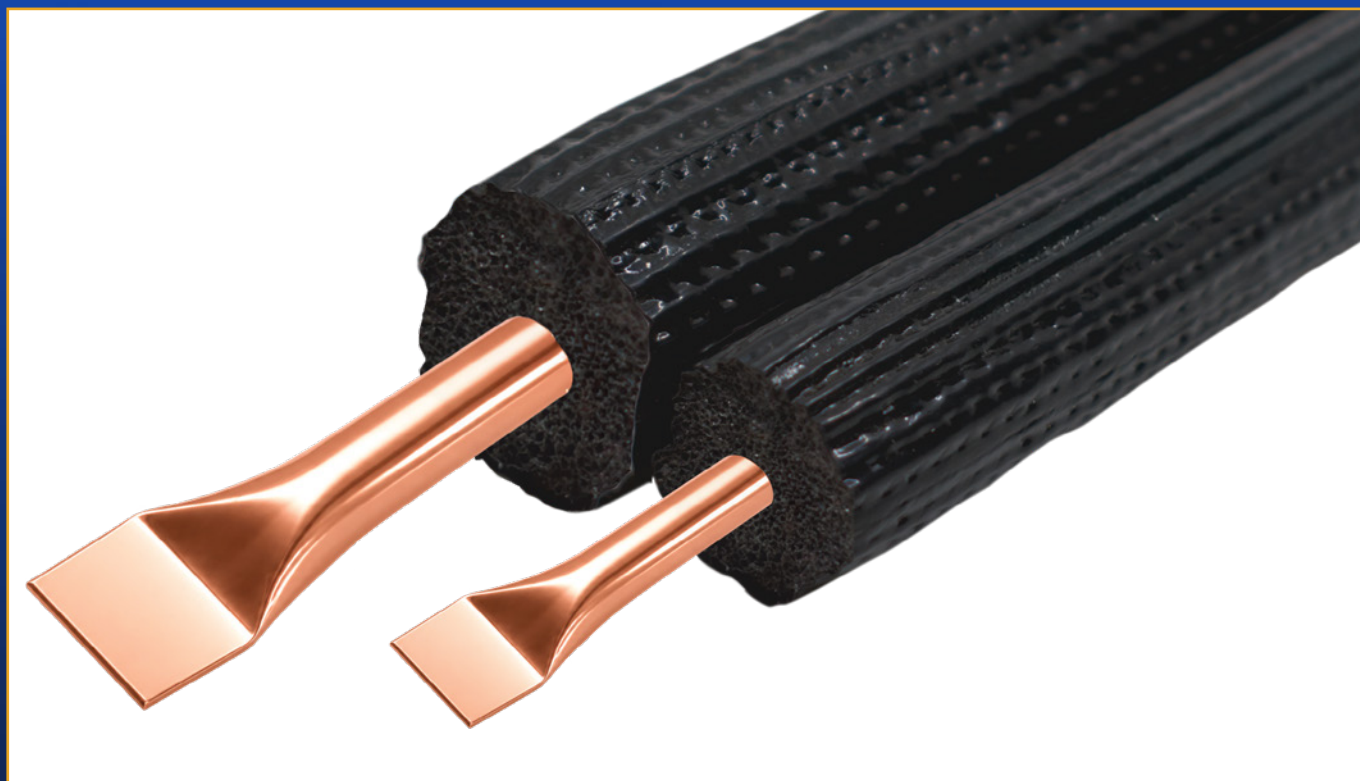
Water

Closed-cell structure for high water-vapor resistance
Water-vapor resistance factor $\mu \geq 10,000$ (EN 13469)
Water absorption WS05 (EN 13472)

Tube Diameter (inch)	1/4	3/8	1/2	1/2	5/8	3/4	7/8
Tube Wall Thickness (mm)	0.8	0.8	0.8	0.9	1	1	1.12
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Working Pressure (bar)	191	123	91	103	91	75	72
Coil Length (m)	15/50	15/50	15/50	15/50	15/50	15/50	15/50

BLACK PE INSULATED TWIN COPPER TUBE

FLAME RETARDANCY 



TECHNICAL SPECIFICATIONS

Chemical Composition 99.9% Cu-Dhp

Thermal Conductivity (20°C) 364W/mK

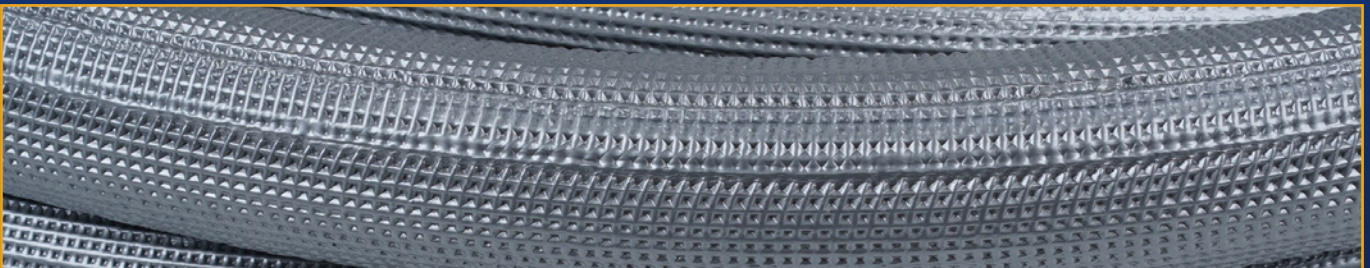
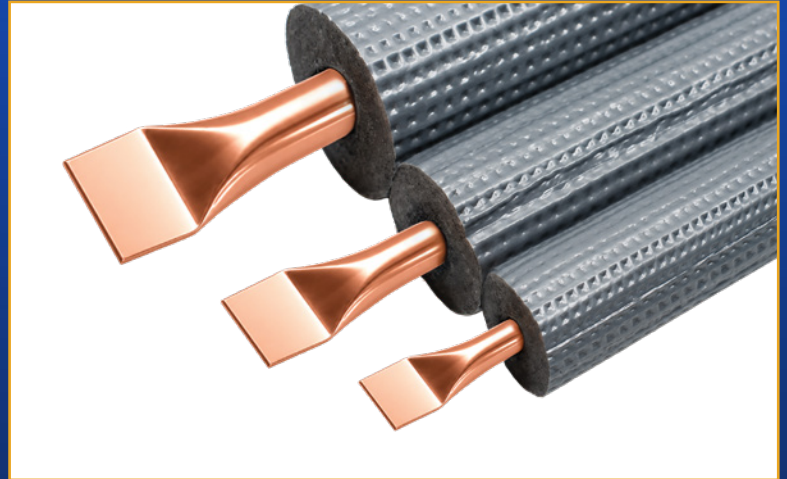
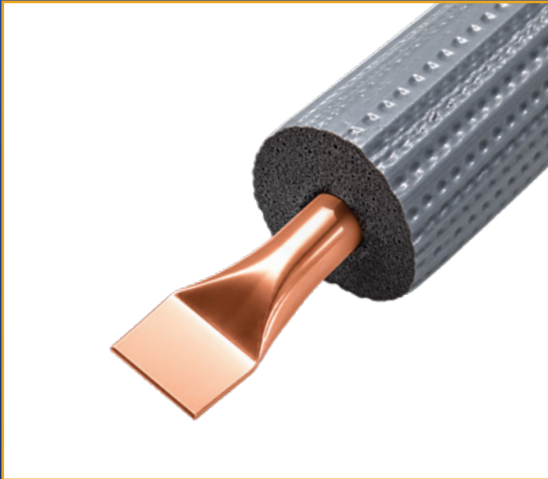
Compliance EN 12735-1

Condition Ends sealed, dehydrated

Tube Diameter (inch)	1/4" + 3/8"	1/4" + 1/2"	1/4" + 5/8"	3/8" + 5/8"	3/8" + 3/4"	1/2" + 3/4"
Tube Wall Thickness (mm)	0.8 + 0.8	0.8 + 0.9	0.8 + 1	0.8 + 1	0.8 + 1	0.8 + 1
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Working Pressure (bar)	191 - 123	191 - 103	191 - 91	90 - 91	123 - 75	91 - 75
Coil Length (m)	15 - 50	15 - 50	15 - 50	15 - 50	15 - 50	15 - 50

PLATINUM PE INSULATED COPPER TUBE

FLAME RETARDANCY 



Features

Distinctive aesthetic appearance
Excellent mechanical strength

Fire

Excellent flame-retardant performance
BL-s1, d0, M1, UL723
VOC (Volatile Organic Compounds) compliant

Sustainability

Fully recyclable

Thermal Performance

Wide service temperature range
Minimum -80 °C
Maximum 95 °C (EN 14707)

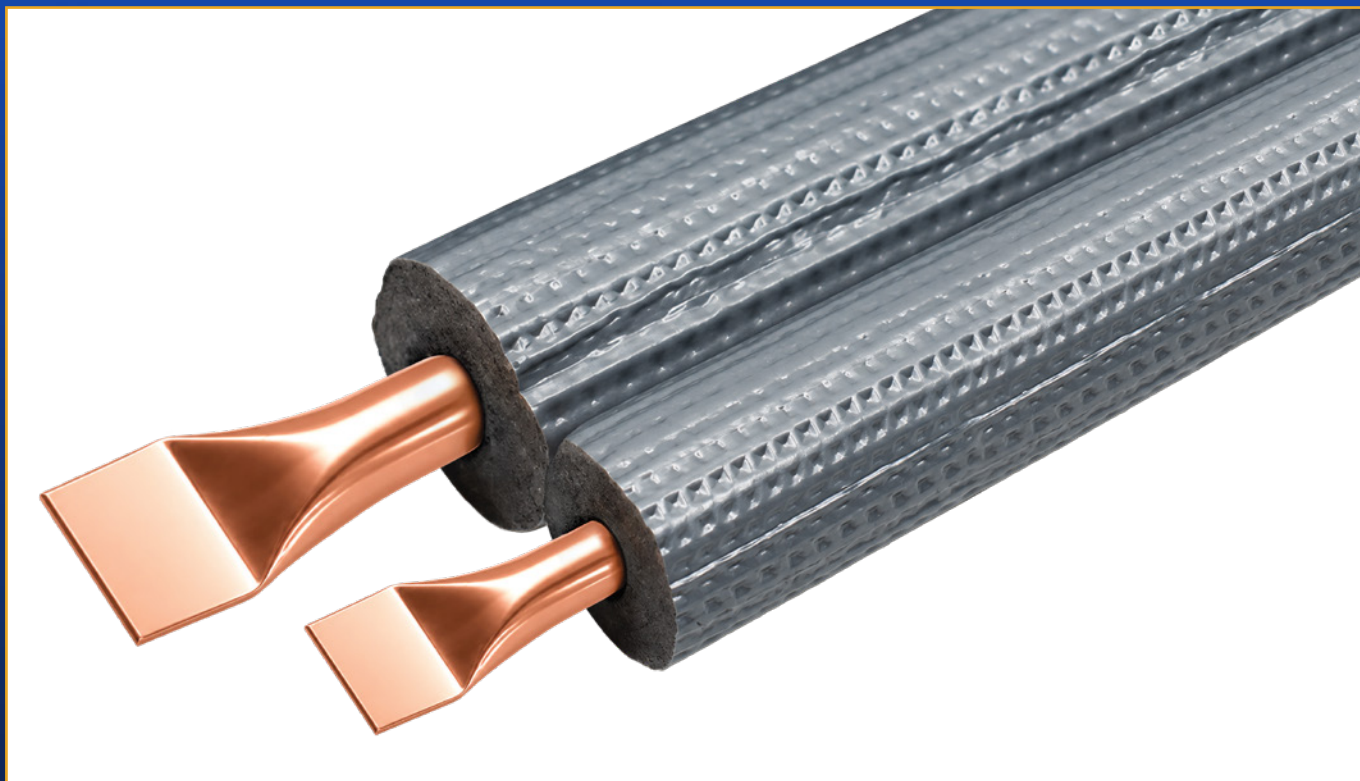
Water

Closed-cell structure for high water-vapor resistance
Water-vapor resistance factor $\mu \geq 10,000$ (EN 13469)
Water absorption WS05 (EN 13472)

Tube Diameter (inch)	1/4	3/8	1/2	1/2	5/8	3/4	7/8
Tube Wall Thickness (mm)	0.8	0.8	0.8	0.9	1	1	1.12
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Working Pressure (bar)	191	123	91	103	91	75	72
Coil Length (m)	15/50	15/50	15/50	15/50	15/50	15/50	15/50

PLATINUM PE INSULATED TWIN COPPER TUBE

FLAME RETARDANCY 



TECHNICAL SPECIFICATIONS

Chemical Composition 99.9% Cu-Dhp

Thermal Conductivity (20°C) 364W/mK

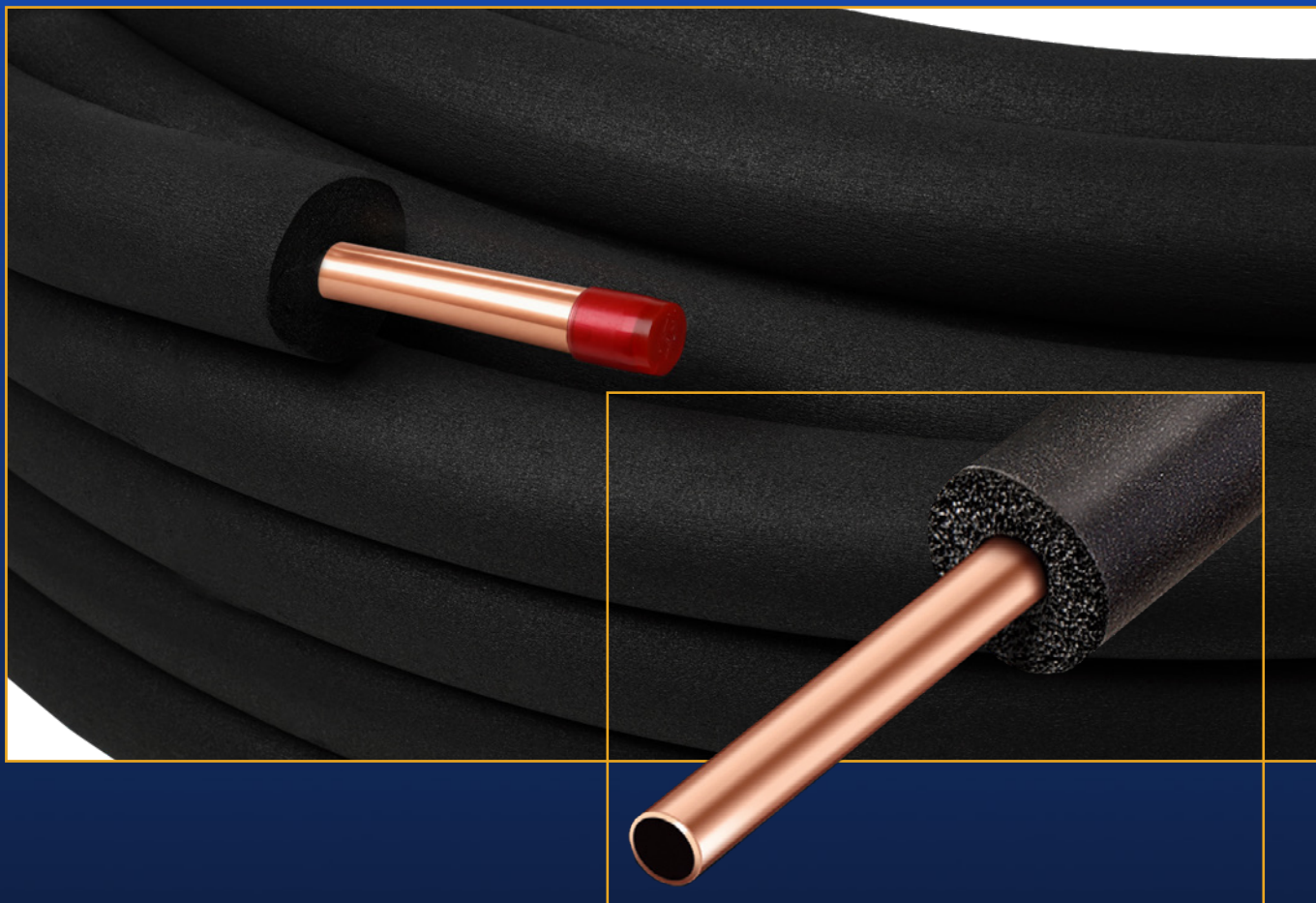
Compliance EN 12735-1

Condition Ends sealed, dehydrated

Tube Diameter (inch)	1/4" + 3/8"	1/4" + 1/2"	1/4" + 5/8"	3/8" + 5/8"	3/8" + 3/4"	1/2" + 3/4"
Tube Wall Thickness (mm)	0.8 + 0.8	0.8 + 0.9	0.8 + 1	0.8 + 1	0.8 + 1	0.8 + 1
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Working Pressure (bar)	191 - 123	191 - 103	191 - 91	123 - 91	123 - 75	91 - 75
Coil Length (m)	15 - 50	15 - 50	15 - 50	15 - 50	15 - 50	15 - 50

RUBBER INSULATED COPPER TUBE

FLAME RETARDANCY 



TECHNICAL SPECIFICATIONS

Chemical Composition 99.9% Cu-Dhp

Thermal Conductivity (20°C) 364W/mK

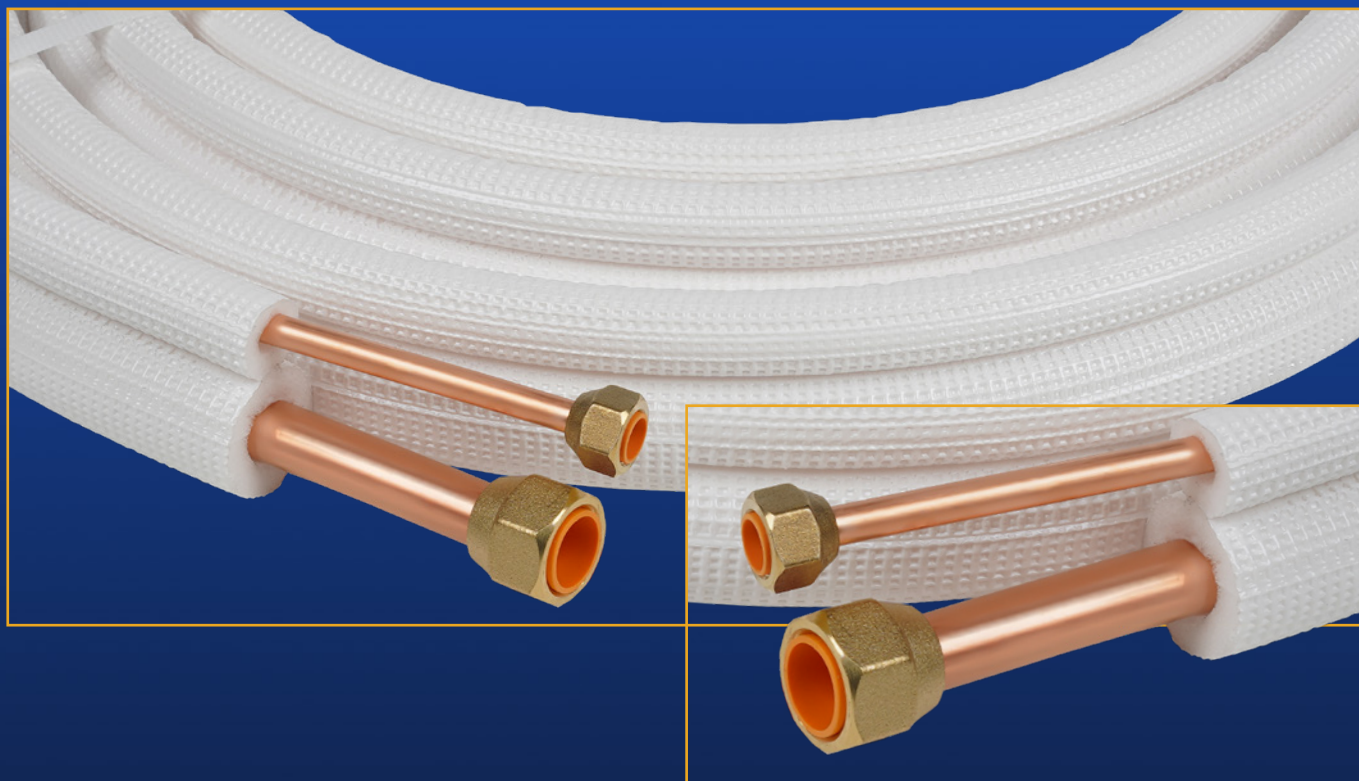
Compliance EN 12735-1

Condition Ends sealed, dehydrated

Tube Diameter (inch)	1/4	3/8	1/2	1/2	5/8	3/4	7/8
Tube Wall Thickness (mm)	0.8	0.8	0.8	0.9	1	1	1.2
Insulation Thickness (mm)	6/9/13	6/9/13	6/9/13	6/9/13	6/9/13	6/9/13	6/9/13
Working Pressure (bar)	191	123	91	103	91	75	77
Coil Length (m)	15-50	15-50	15-50	15-50	15-50	15-50	15-50

A/C INSTALLATION KIT

FLAME RETARDANCY 



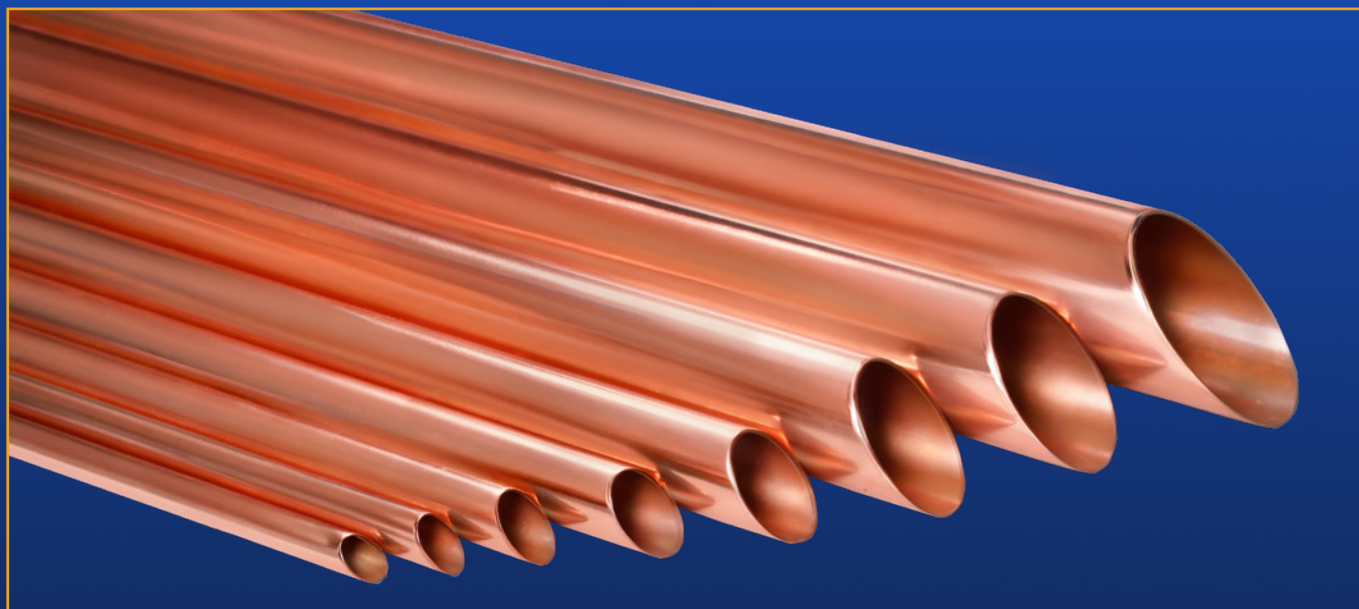
INSULATED COPPER TUBE - VRF SYSTEM INSTALLATION KIT

Tube Diameter (inch)	1/4 + 3/8	1/4 + 1/2	1/4 + 1/2	1/4 + 5/8	3/8 + 5/8	3/8 + 3/4	1/2 + 3/4
Tube Wall Thickness (mm)	0.8	0.8	0.8	0.9	1	1	1.2
Insulation Thickness (mm)	7 - 9	7 - 9	7 - 9	7 - 9	7 - 9	7 - 9	7 - 9
Working Pressure (bar)	191 - 123	191 - 91	194 - 92	218 - 81	157 - 91	157 - 75	140 - 91
Coil Length (m)	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15

INSULATED COPPER TUBE - SPLIT SYSTEM INSTALLATION KIT

Tube Diameter (inch)	1/4 + 3/8	1/4 + 1/2	1/4 + 1/2	1/4 + 5/8	3/8 + 5/8	3/8 + 3/4	1/2 + 3/4
Tube Wall Thickness (mm)	0.7 + 0.7	0.7 + 0.7	0.7 + 0.8	0.8 + 1	0.7 + 0.8	0.7 + 0.9	0.7 + 0.9
Insulation Thickness (mm)	7 - 9	7 - 9	7 - 9	7 - 9	7 - 9	7 - 9	7 - 9
Working Pressure (bar)	165 - 107	165 - 79	165 - 91	191 - 91	107 - 72	107 - 67	165 - 67
Coil Length (m)	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15

COPPER STRAIGHT TUBE



Hard-Drawn Copper Straight Tube

Technical Data (according to EN 12735-1 and EN 1057)

Temper	Temper Designation	Tensile Strength (N/mm ²)	Elongation (%)	Hardness HV5 (approx.)
Hard	R290	Min. 290	Min. 3	≥ 100

Product Dimensions and Packaging

Temper Designation	Outside Diameter (mm)	Wall Thickness (mm)	Product Size	Packaging
R290	10 - 105	1 - 2	up to 6 m	Stretch-Wrapped Bundle

I MEDICAL COPPER TUBE (EN 13348)



Medical Copper Tubes (Cu-DHP 99.90%) are suitable for medical gas systems, gas mixtures, air and vacuum systems, and anesthetic gas scavenging systems. They are meticulously cleaned and protected in accordance with the technical requirements of EN 13348 and supplied ready for use.

Diameter (mm)	Wall Thickness (mm)	Packaging
10	1	5 m Straight Tube
12	0,6	
12	1	
15	0,7	
15	1	
22	0,9	
22	1	
28	1	

Diameter (mm)	Wall Thickness (mm)	Packaging
28	1,5	5 m Straight Tube
35	1,2	
35	1,5	
42	1,2	
42	1,5	
54	1,2	
54	1,5	
54	2	



LWC COPPER TUBE (EN 12735-1)

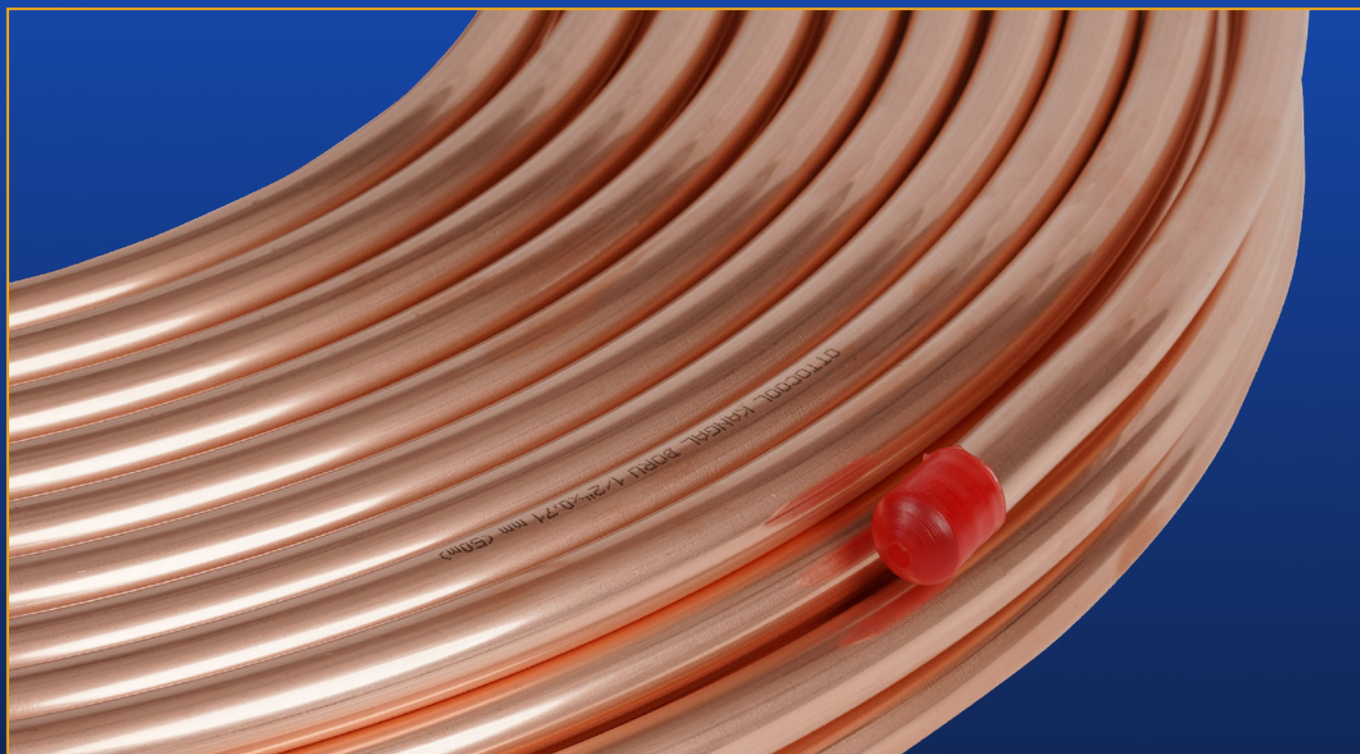


LWC Copper Tube (Cu-DHP 99.90%) is mainly used in air-conditioning, refrigeration and selected general engineering applications. LWC Copper Tubes are manufactured in accordance with EN 12735 and also meet ASTM B280 requirements.

Dimensions		Material Details	Temper		Coil Weight	Packaging	
Outside Diameter (mm) 4-19,05	Wall Thickness (mm) 0,28-1,10	Copper: 99.90% Phosphorus: 0,015 - 0,040%	Half Hard (R250)	Annealed (R220)	80-250 kg	Reel	Without Reel
		C12200 DHP (ASTM B68, B75, B88)	Also available in hard temper			Cardboard and Wooden Reel	Cardboard
		Cu - DHP (EN 12735, EN 12449)				Shrink-wrapped and palletized	

PRODUCTS															
W.T.	mm	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.63	0.7	0.76	0.8	0.9	1	1.2
O.D.		0.012	0.014	0.016	0.018	0.020	0.022	0.024	0.025	0.028	0.030	0.031	0.035	0.039	0.047
4	...			✓	✓	✓	✓	✓	✓	✓	✓	✓			
4.76	3.16			✓	✓	✓	✓	✓	✓	✓					
6.35	1/4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
7.93	5/16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
9.52	3/8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
12	...		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
12.7	1.2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15.87	5.8			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	...					✓	✓	✓	✓	✓	✓	✓	✓	✓	
18	...							✓	✓	✓	✓	✓	✓	✓	
19.05	3/4							✓	✓	✓	✓	✓	✓	✓	✓

COPPER PANCAKE COIL



Copper pancake coils (Cu-DHP 99.90%, R220 annealed) are manufactured to EN 12735-1 for air-conditioning and refrigeration systems. They offer high corrosion resistance and are supplied clean and dehydrated, with sealed ends. All coils are inkjet marked, shrink-wrapped and packed in cardboard boxes.

Copper Pancake Coil

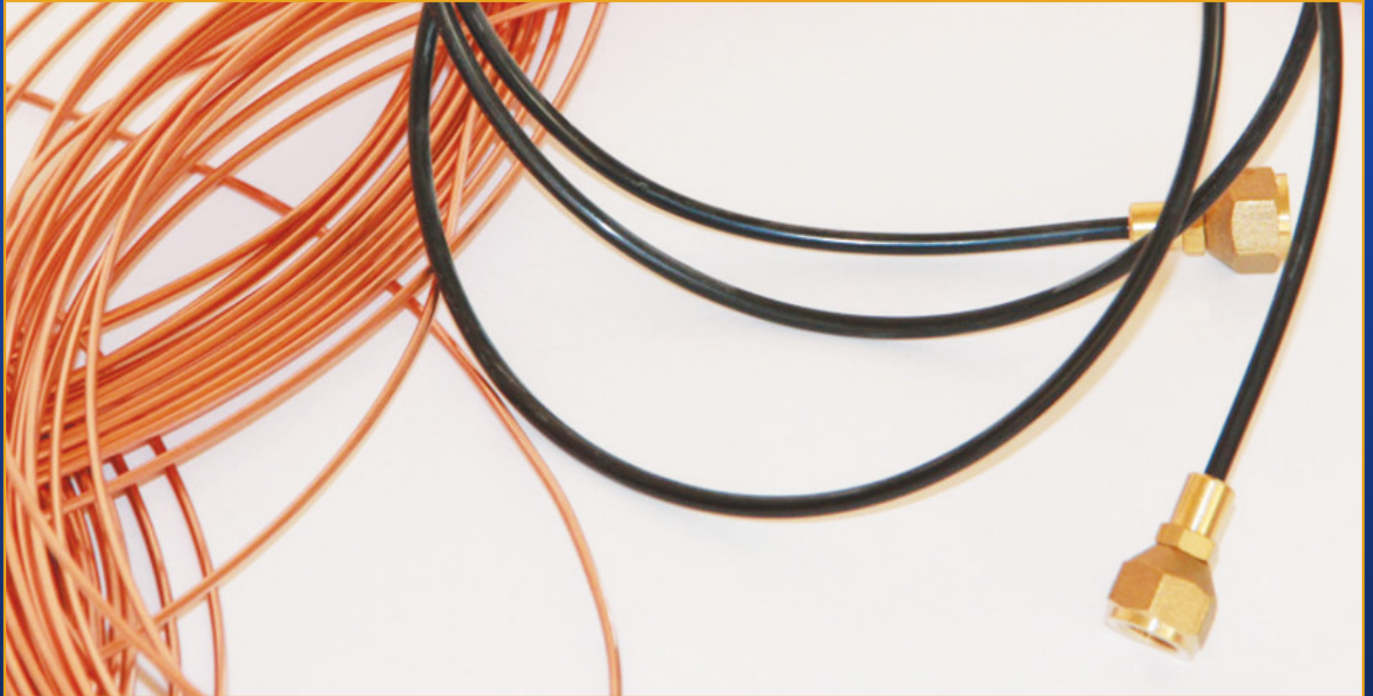
Technical Data (according to EN 12735-1)

Temper	Temper Designation	Tensile Strength (N/mm ²)	Elongation at Break A5 (%)	Hardness HV5 (approx.)
Soft	R220	Min. 220	40	40-70

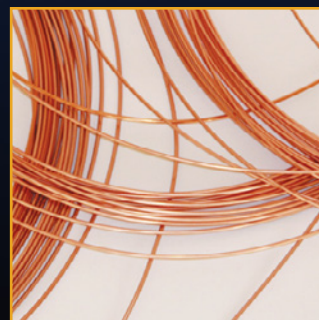
Product Dimensions and Packaging

Temper Designation	Outside Diameter (mm)	Wall Thickness (mm)	Product Size	Packaging
R220	5-22	0.5-2.0	15-50 m coil	Cardboard Box / Pallet

INDUSTRIAL CAPILLARY TUBES



OTTOCOOL capillary tubes are manufactured either bare or PE/PVC coated. Available in weights up to 300 kg, they can be supplied as coils, rolls or straight lengths, in hard, half-hard or annealed condition. Ottocool capillary tubes are manufactured in accordance with EN 12449, EN 12450 and customer-specific requirements. They are ideal for white goods, industrial refrigeration equipment, hot- and cold-air regulators, thermocouples, thermometers and pressure gauges. Various roll lengths and special PE packaging are available for retail sales.



| COPPER FITTINGS



Copper fittings manufactured in accordance with ANSI/ASME B16.22 and EN 1254-1 provide ideal solutions for air, gas and vacuum systems, medical systems, and compressed-gas components.

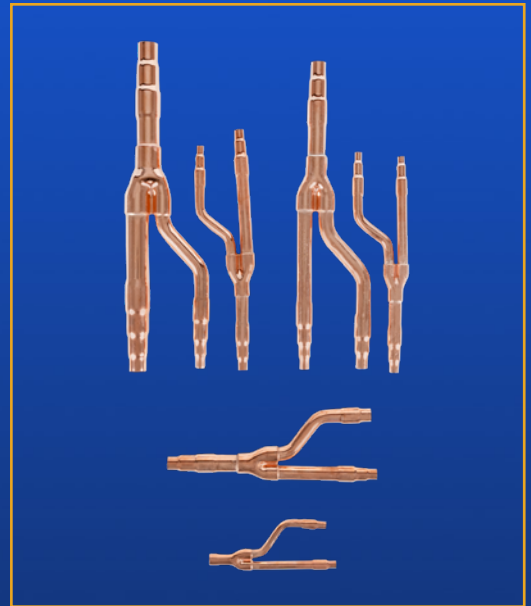
Metric Diameters: 6 mm to 133 mm

Inch Diameters: ¼" to 4-1/8"



COPPER REFRIGERANT BRANCH JOINTS

Typical central air-conditioning systems consist of one or more outdoor units and multiple indoor units. Ottocool branch joints are used to branch the refrigerant piping from the outdoor unit to the indoor units. We manufacture Ottocool branch joints compatible with all air-conditioning systems on the market. The table lists our main branch-joint models and technical specifications.



DAIKIN	FUJITSU	GREE AND YORK	HAIER	HITACHI	LG AND ARCELIK	MCQUAY	MIDEA	mitsubishi heavy	SAMSUNG	TOSHIBA
KHRQ22M20T	UTR-BP090X	FQ-01A/A	FQG-B335A	E-525SN	ARBLN01621	MDS-MY2	FQZHN-01C	DIS-22-1	MXJ-YA1509M	RBM-BY-55E
KHRQ22M29-T9	UTR-BP180X	FQ-01B/A	FQG-B506A	E-102SN	ARBLN03321	MDS-MY3	FQZHN-02C	DIS-180-1	MXJ-YA2512M	RBM-BY-105E
KHRQ22M64T	UTR-CP567X	FQ-02A	FQG-B730A	E-242SN	ARCNN020	MDS-MY4	FQZHN-03C	DIS-371-1	MXJ-YA2815M	RBM-BY-205E
KHRQ22M75T	UTR-BP567X	FQ-03A	FQG-B1350A	M-20SNQ	ARBLN07121	MDS-MY1	FQZHN-02N1C	DAS-2A-1	MXJ-YA3119M	RBM-BY-305E
BHFQ22M1007	BHFQ22M1007	ML01A	HZG-20A	E-162SN	ARCNN030	MDS-MY5	FQZHN-04C	DIS-540-1	MXJ-YA3419M	RBM-BT14
BHFQ22M1517	BHFQ22M1517	FQ-04A	FQG-B2040A	E-302SN	ARBLN014521	MDS-MY6	FQZHN-05C		MXJ-TA3419M	RBM-BT24
			HZG-30A	M-30SNQ			FQZHN-03N1C		MXJ-YA4119M	
							FQZHN-04N1C			

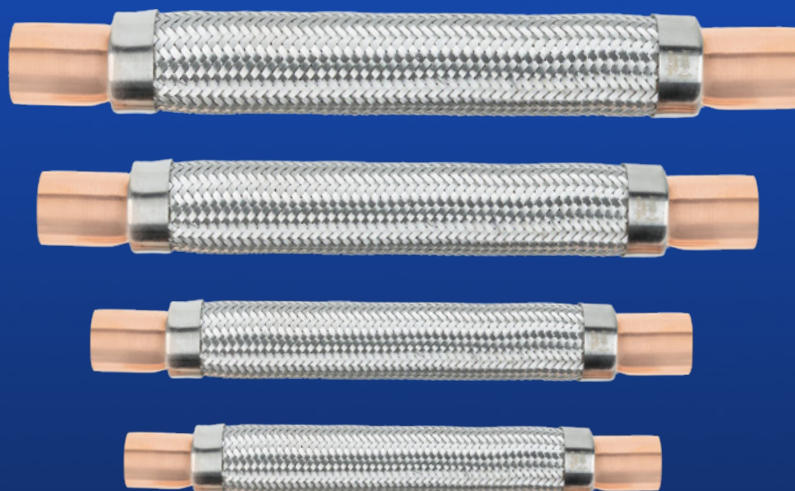
OIL TRAP (LOOP)



An oil trap (loop) is a U-shaped tube bend that ensures controlled oil return to the compressor in air-conditioning and refrigeration systems. It promotes proper oil circulation and improves system performance.

Feature	Description
Product Type	Oil trap (loop)
Application	Vertical piping
Purpose	Oil control
Effect	System efficiency

VIBRATION ABSORBER HOSES



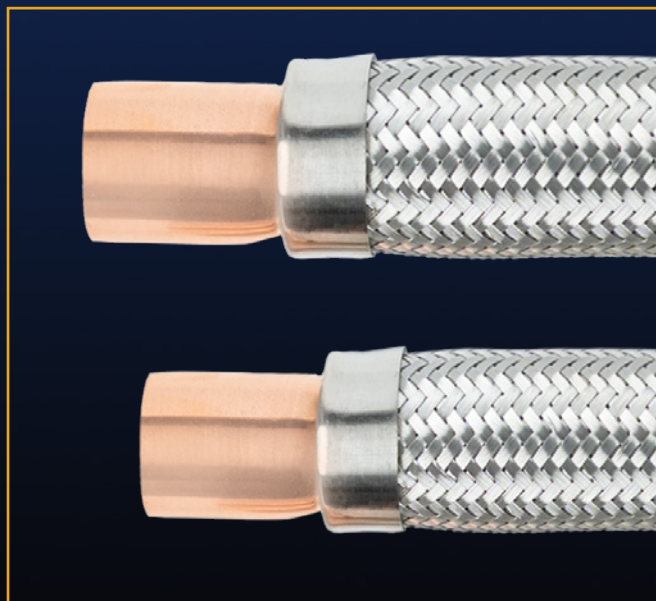
Designed to prevent compressor vibrations from being transmitted through the piping. Reduces vibration in air-conditioning and refrigeration systems for safer, longer-lasting operation.

APPLICATION BENEFIT

Installed on the compressor suction and discharge lines to help prevent vibration-related failures and damage in the system.

Feature	Description
Application	Air-conditioning & refrigeration systems
Installation	Suction & discharge line
Purpose	Vibration reduction
Outer Braid	Stainless steel

VIBRATION ABSORBER HOSE 22 mm (7/8")
VIBRATION ABSORBER HOSE 28 mm (1-1/8")
VIBRATION ABSORBER HOSE 35 mm (1-3/8")
VIBRATION ABSORBER HOSE 42 mm (1-5/8")



COPPER-TUBE ACCESS VALVE



The copper-tube access valve provides a service point for refrigerant charging, pressure checks, evacuation and maintenance in air-conditioning and refrigeration systems.

APPLICATION AREAS

Provides convenient access to the refrigerant circuit for charging, servicing and pressure checks.



Copper-Tube Access Valve

TECHNICAL SPECIFICATIONS

Material

Copper

Function

Refrigerant access and servicing

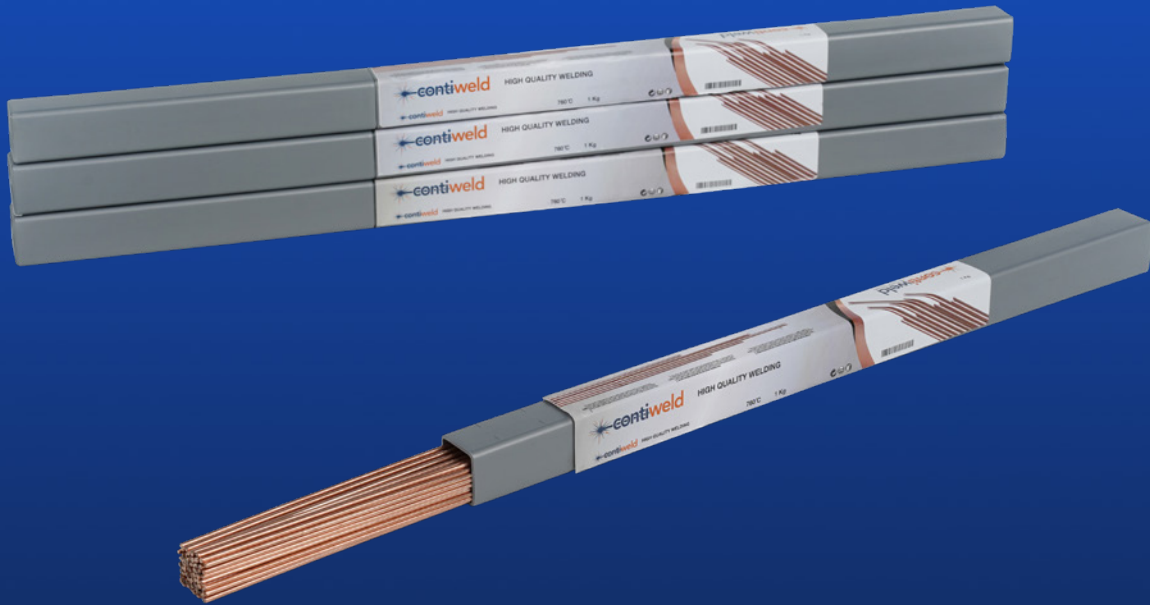
Advantage

Leak-tight and durable construction

Application

Air-conditioning & refrigeration systems

BRAZING ROD



TECHNICAL SPECIFICATIONS

Connection Type

Leak-tight & high-strength

Application

Easy brazing (low melting point, high conductivity)

Coating

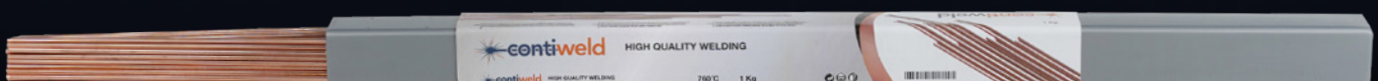
Copper

Application

Brazing operations



Feature	Value
Diameter	2 mm / 3 mm
Length	50 cm
Form	Rod
Pack	1 kg



LOCKING FOLDING A/C BRACKET WITH SPIRIT LEVEL (Bubble Level)



TECHNICAL SPECIFICATIONS

Material Thickness 1,2 mm - 1,5 mm

Screws and Anchors Suitable for concrete and brick surfaces.

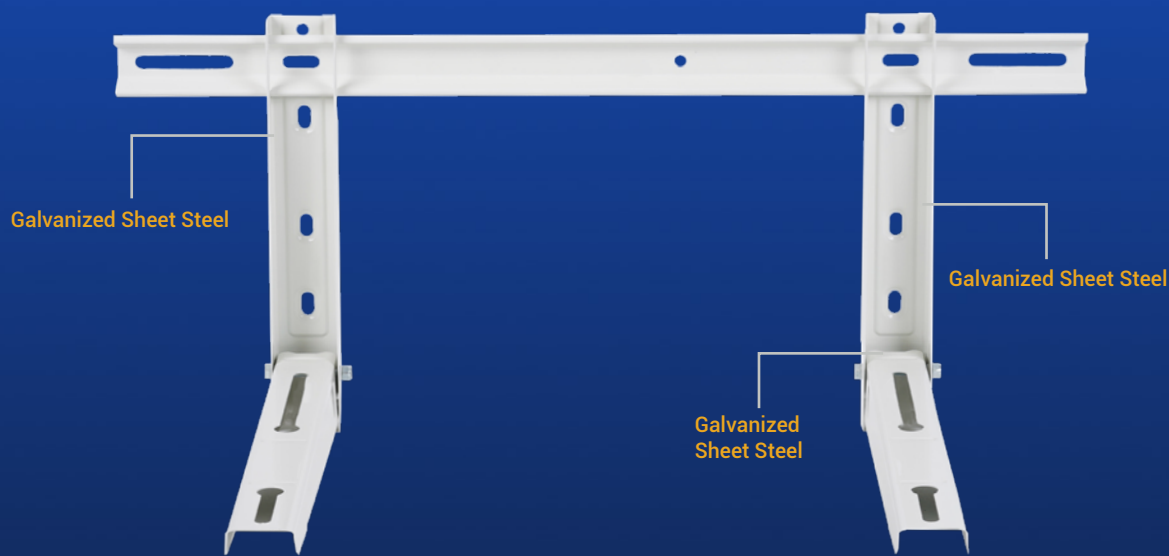
Capacity Load capacity up to 140 kg.

Installation Compatibility Suitable for split A/C outdoor units of all brands and models.



Width (mm)	Height (mm)	Thickness (mm)
350	420	1,2
350	420	1,5
380	480	1,2
380	480	1,5

FOLDING A/C BRACKET WITHOUT LEVEL



TECHNICAL SPECIFICATIONS

Material Thickness 1,2 mm - 1,5 mm

Screws and Anchors Suitable for concrete and brick surfaces.

Capacity Load capacity up to 140 kg.

Installation Compatibility Suitable for split A/C outdoor units of all brands and models.

Width (mm)	Height (mm)	Thickness (mm)
350	420	1,2
350	420	1,5
380	480	1,2
380	480	1,5



DOUBLE-BOLT A/C BRACKET



TECHNICAL SPECIFICATIONS

Material Thickness 2,0 mm

Screws and Anchors Suitable for concrete and brick surfaces.

Capacity Load capacity up to 140 kg.

Installation Compatibility Suitable for split A/C outdoor units of all brands and models.



Width (mm)	Height (mm)	Thickness (mm)
480	500	2
430	500	2
380	430	2

| WELDED A/C BRACKET



TECHNICAL SPECIFICATIONS

Material Thickness 2,0 mm - 2,5 mm

Screws and Anchors Suitable for concrete and brick surfaces.

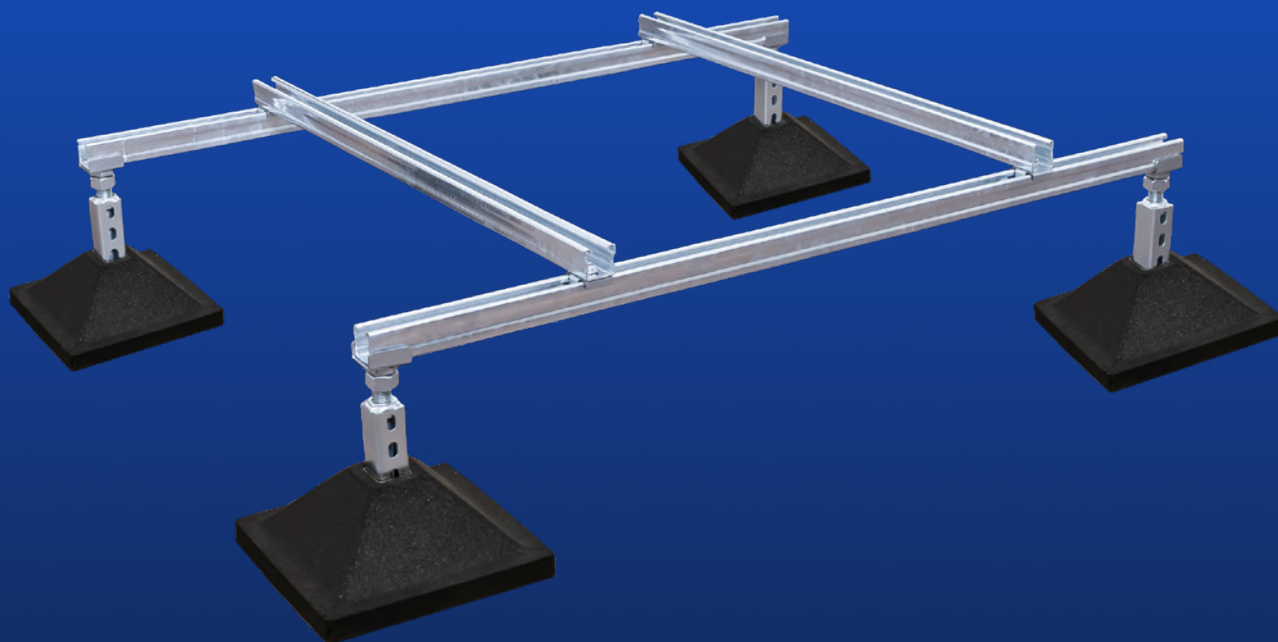
Capacity Load capacity up to 140 kg.

Installation Compatibility Suitable for split A/C outdoor units of all brands and models.

Width (mm)	Height (mm)	Thickness (mm)
350	430	2
430	500	2
500	600	2
700	700	2,5



OUTDOOR UNIT AND EQUIPMENT PLATFORM



The outdoor unit and equipment platform is designed for balanced and secure positioning of air-conditioning and mechanical equipment. It distributes loads evenly to provide stable, long-lasting support.

PRODUCT FEATURES

Its base and extension-frame design distributes the load over a wide area, minimizing vibration and instability. An ideal mounting solution for split A/C and VRF/VRV systems.

TECHNICAL SPECIFICATIONS

Material	Galvanized steel profile
Feet	Rubber / plastic options
Load Capacity	500 kg
Surface	Electro-galvanized coating



RUBBER VIBRATION MOUNT



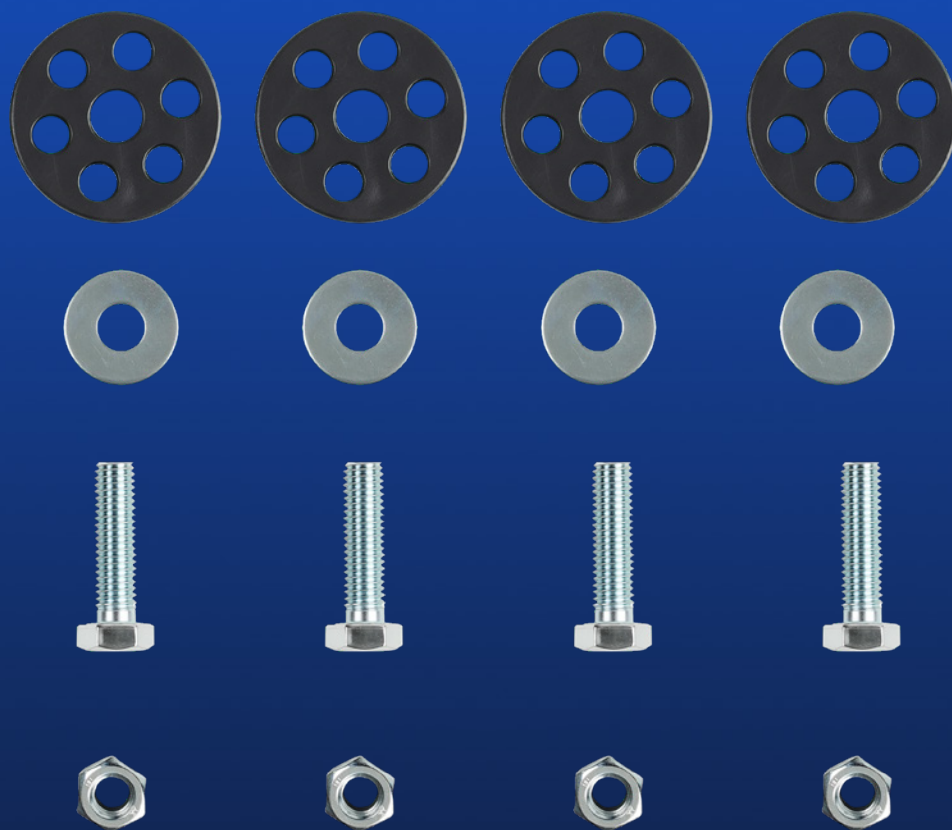
TECHNICAL SPECIFICATIONS

Material	High-density rubber + aluminum profile
Vibration Damping	Minimizes vibration and resonance during A/C operation
Corrosion Resistance	High resistance to corrosion thanks to the aluminum profile
Application	Split A/C outdoor units, VRF systems and various industrial equipment



Length (mm)	Width (mm)	Height (mm)
250	130	100
250	160	100
400	130	100
450	180	100
450	160	100
600	130	100
600	160	100
600	180	100
1000	130	100

| ANTI-VIBRATION MOUNT (Vibration Isolator)



Ideal for vibration isolation of 7000, 9000 and 12000 BTU air conditioners.
Easy to install.



A/C VIBRATION MOUNT



Its durable rubber body, plastic support components and robust threaded construction provide long service life. Suitable for safe use with split A/C outdoor units and very easy to install.

Feature	Description
Purpose	Reduces vibration and noise generated by the A/C outdoor unit.
Installation Location	Installed between the A/C mounting foot and the outdoor unit.
Material Construction	Made of durable rubber, plastic and metal threaded components.
Noise Reduction	Helps prevent noise caused by vibration.

A/C RUBBER MOUNT 110X50x1

A/C RUBBER MOUNT 50X40X1

A/C RUBBER MOUNT 45X30X2

A/C RUBBER MOUNT 35 X30X 2



I RUBBER MOUNT



Its high-density rubber body, wide-base design and robust threaded connection help reduce vibration and noise. Suitable for heavy-duty A/C outdoor units, it offers high load capacity, long service life and easy installation.

Feature	Description
Purpose	Reduces vibration and noise generated by the A/C outdoor unit.
Installation Location	Installed between the A/C outdoor unit and the mounting bracket or floor.
Material Construction	High-density rubber body, metal stud and fasteners.
Noise Reduction	Helps reduce transmission of vibration and resonance from the outdoor unit.

A/C RUBBER MOUNT 110X50x1

A/C RUBBER MOUNT 50X40X1

A/C RUBBER MOUNT 45X30X2

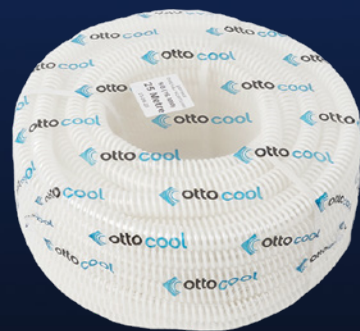
A/C RUBBER MOUNT 35 X30X 2

| SPIRAL A/C DRAIN HOSE



TECHNICAL SPECIFICATIONS

Material	Rigid + flexible PVC blend
Color	Transparent and white
Flexibility	Easy installation in confined spaces, resistant to cracking
Application	Condensate drainage for split and VRF air-conditioning systems



A/C INSTALLATION KIT



Made with an aluminum-copper (Al-Cu) construction, the A/C installation kit provides a secure connection between indoor and outdoor units of wall-mounted air conditioners. Its corrosion-resistant construction ensures long service life.



Material	Aluminum + Copper (Al-Cu)
Compatibility	Wall-mounted air conditioners
Durability	Corrosion resistant
Application	A/C connection line

Feature	Value
Diameter	1/2 – 3/4 inch
Length	10 m
Material	Al-Cu

COAXIAL, SIGNAL, LIYCY AND HALOGEN-FREE CABLES



TTR Cables	Copper conductors provide safe power transmission in low-voltage installations.
Coaxial Cables	The central copper conductor and shielded construction transmit TV, antenna and internet signals with minimal interference.
LIYCY Cables	Fine copper strands and shielding provide reliable signal transmission in control and automation systems.
Halogen-Free Cables	Combine copper conductors with safe insulation that does not release toxic gases in the event of fire.

PVC TAPES



PVC tapes are used for insulation in mechanical and electrical installations, ventilation and air-conditioning systems.

They provide durable and reliable solutions for heating/cooling piping and electrical applications.



TECHNICAL SPECIFICATIONS

Protection

Resistant to rust, decay and abrasion

Chemical Resistance

High

Durability

Resistant to moisture and harsh weather conditions

Adhesive

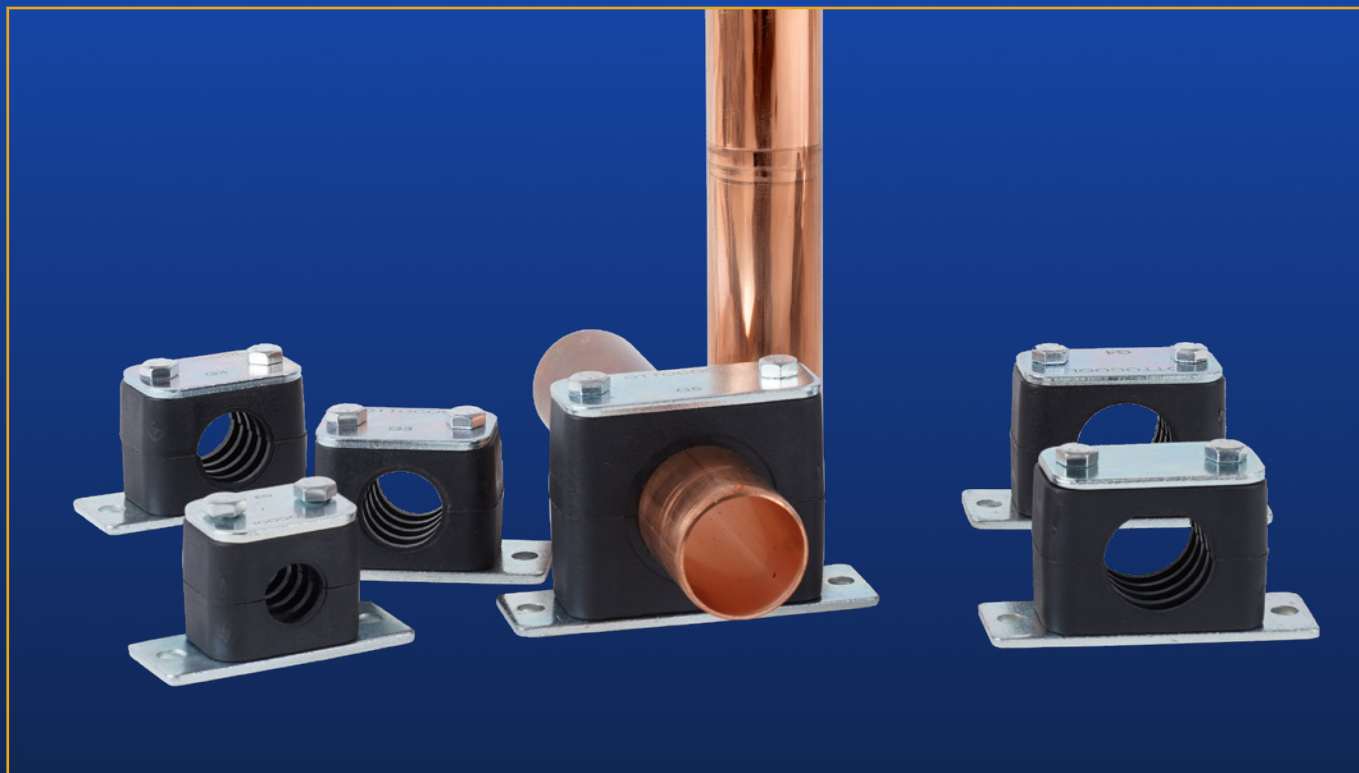
Strong factory-grade adhesion

APPLICATION AREAS

- Electrical installations (insulation & wrapping)
- Ventilation systems
- Heating/cooling pipe insulation
- Air-conditioning systems

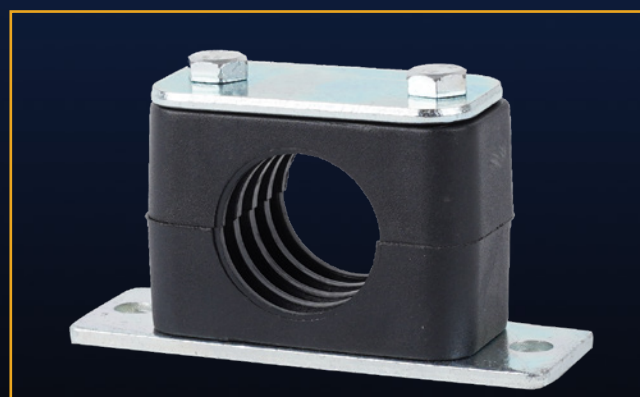
OTTOCOOL PVC TAPE 50 x 25 (WHITE)
OTTOCOOL PVC TAPE 50 X 25 (BLACK)
OTTOCOOL PVC TAPE 19 x 10 BLACK
OTTOCOOL PVC TAPE 19 x 10 WHITE
OTTOCOOL PVC DECORATIVE TAPE (NARROW ROLL)
OTTOCOOL PVC DECORATIVE TAPE (NARROW ROLL) 25 m
RUBBER-BASED TAPE 15 m x 3 cm
RUBBER-BASED TAPE 15 m x 5 cm

COPPER TUBE RISER CLAMP



The Copper Tube Riser Clamp is a professional support component designed to prevent downward movement of copper tubes in vertical piping due to their own weight and to safely transfer loads to the building structure. Its robust steel body grips the tube securely, providing reliable support and contributing to long service life of the piping system.

Feature	Description
Application	Vertical Piping Systems
Material	Galvanized Steel
Function	Provides secure and reliable fixing of tubes Installation Type
Riser Shafts	and Floor Penetrations



PIPE CLAMP WITH NUT (STAINLESS STEEL)



Pipe clamps with nut, made of 304-grade stainless steel, are used to securely fasten piping.

Their high-strength construction provides a durable, long-lasting installation solution.

SIZE	BREAKING LOAD (KN)	WORKING LOAD (KN)
1/4" - 1"	6,6	2,2
1 1/4" - 2"	7,6	2,7
67-73 - 99-108	11,7	3,9
4" - 8"	13,2	4,4

PRODUCT CODE	SIZE	CLAMPING RANGE	L	H	M	SxB	N	PCS PER CARTON	CARTON WEIGHT
		(mm)	(mm)	(mm)		(mm)			(Approx. kg)
NSPS008	1/4"	11 - 15	54,5	24	M5	1,5x20	M8	200	9,1
NSPS010	3/8"	16 - 20	58,5	26	M5	1,5x20	M8	200	9,9
NSPS015	1/2"	20 - 24	62,5	28	M5	1,5x20	M8	150	8
NSPS020	3/4"	25 - 30	68,5	31	M5	1,5x20	M8	100	6,01
NSPS025	1"	32 - 37	76	34,5	M5	1,5x20	M8	100	6,68
NSPS032	1 1/4"	39 - 46	91,5	39	M6	1,5x20	M8	100	8,1
NSPS040	1 1/2"	48 - 53	99	42,5	M6	1,5x20	M8	75	6,74
NSPS047	54-58	54 - 58	105	45,5	M6	1,5x20	M8	75	7
NSPS050	2"	59 - 66	112	49	M6	1,5x20	M8	50	5,27
NSPS060	67-73	67 - 73	125	53,5	M6	2x25	M10	30	5,4
NSPS065	2 1/2"	74 - 80	134	58	M6	2x25	M10	30	5,98
NSPS075	80-87	80 - 87	141	61	M6	2x25	M10	30	6,32
NSPS080	3"	87 - 94	146,5	63,5	M6	2x25	M10	30	6,54
NSPS085	93-100	93 - 100	151	65,5	M6	2x25	M10	30	6,9
NSPS095	99-108	99 - 108	159,5	69	M6	2x25	M10	30	7,2
NSPS100	4"	108 - 116	173	72	M6	2,5x25	M10	30	8,85
NSPS110	120-129	120 - 129	184	77,5	M6	2,5x25	M10	30	9,38
NSPS120	129-135	129 - 135	192	82	M6	2,5x25	M10	30	9,8
NSPS125	5"	135 - 143	199,5	90	M6	2,5x25	M10	25	8,88
NSPS140	149-161	149 - 161	215	96,5	M6	2,5x25	M10	25	9,32
NSPS150	6"	162 - 170	227	102	M6	2,5x25	M10	20	8,19
NSPS180	198-207	198 - 207	260	115,5	M6	2,5x25	M10	15	7,07
NSPS200	8"	216 - 224	277	130	M6	2,5x25	M10	15	7,4

| BRASS UNIONS



Brass union fittings provide secure, leak-tight connections in piping systems. Their corrosion-resistant construction ensures long service life.

PURPOSE

Its removable design makes installation and maintenance of pipe connections easier.

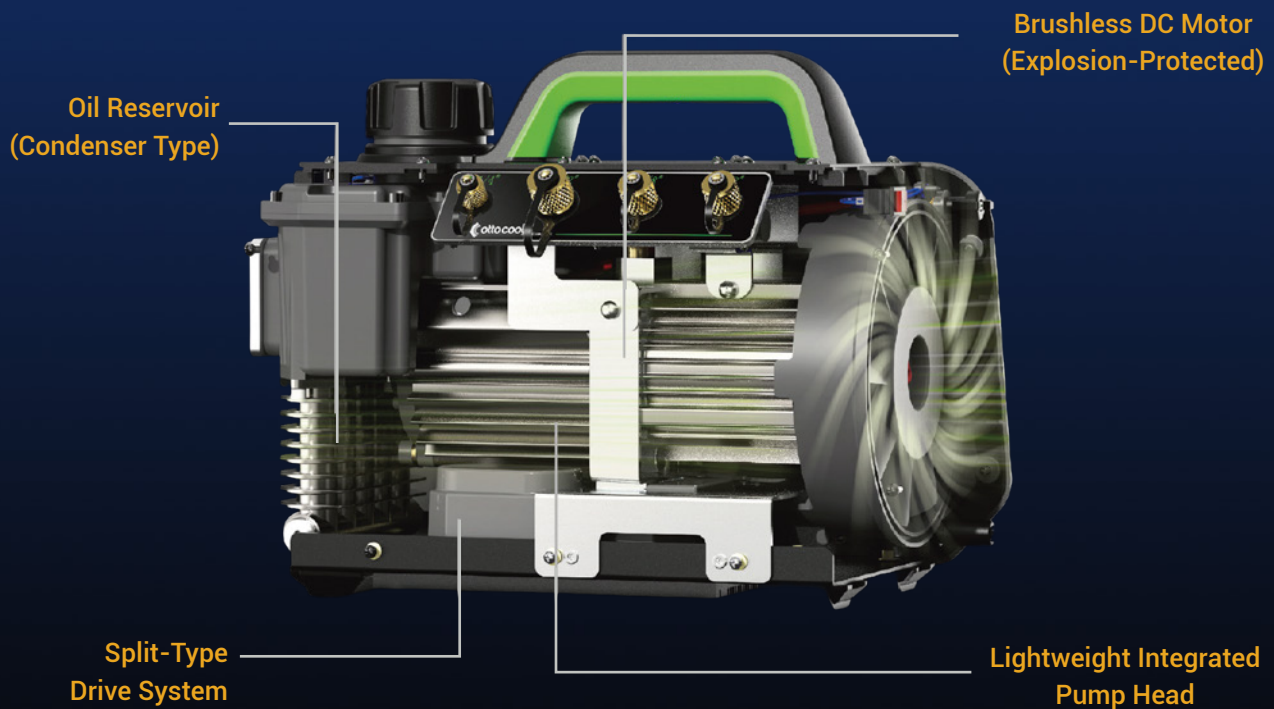
UNION 1/4"
UNION 3/ 8"
UNION 1/2"
UNION 5/ 8"
UNION 3/4"

Technical Specifications	
Temperature	Resistant to high temperatures
Connection	Leak-tight construction
Durability	Resistant to corrosion and rust
Advantage	Can be removed and reinstalled



Feature	Description
Application	Piping connections
Durability	Long service life
Construction	Leak-tight
Product Type	Straight brass union

| AIR-COOLED VACUUM PUMP



INTEGRATED HEAT DISSIPATION

Keeps the Vacuum Pump Operating Under Optimum Conditions

AIR-COOLED VACUUM PUMP



SMART VACUUM PUMP

Separate pump-head and oil-reservoir design

A stable oil level enables faster evacuation and keeps the vacuum pump operating under optimum conditions.

Lightweight pump-head design

High-strength aerospace-grade aluminum for the pump head.

DC motor design

Suitable for R32 and other mildly flammable refrigerant gas types

High-performance air-cooled design

Large fan for integrated heat dissipation.

Oil reservoir (Condenser-type design)

The condenser-style design distributes heat evenly over a large area for more effective cooling.

Product No.	OT-FL8	OT-FL15
Flow Rate	8CFM / 13,6 ^{M3}	15 CFM / 25,5 ^{M3}
	241 ^{m3/s}	425 ^{m3/s}
Stage	Two-Stage	Two-Stage
Power	2Pa	2Pa
Ultimate Vacuum	15 micron	15 micron
Inlet Port	1/4", 1/2" and 3/8" flare	1/4", 1/2" and 3/8" flare
Oil Capacity	600 ml	600 ml
Dimensions	388x212x286mm	388x212x286mm
Weight	12 kg	12 kg

CORDLESS LITHIUM-ION VACUUM PUMP



SMART VACUUM PUMP

Safe Explosion-protected and spark-free.

Efficient Ultra-fast evacuation.

Smart Brushless variable-frequency motor.

Portable Lightweight and easy to carry in its aluminum case.

Product No.	OT-2BMC	OT-2SC
Flow Rate	2,5 CFM / 4,25 M ³	2,5 CFM / 4,25 M ³
	70 L/min	70 L/min
Stage	Two-Stage	Single-Stage
Power	1/4 HP	1/4 HP
Ultimate Vacuum	15 micron	60 micron
Inlet Port	1/4" flare	1/4" flare
Oil Capacity	240 ml	300 ml
Dimensions	249.5x105x200mm	249.5x105x200mm
Weight	4 kg	3,5 kg

CORDLESS LITHIUM-ION VACUUM PUMP



SMART VACUUM PUMP

- | | | | |
|--------------|-------------------------------------|------------------|---|
| Safe | Explosion-protected and spark-free. | Efficient | Ultra-fast evacuation. |
| Smart | Brushless variable-frequency motor. | Portable | Lightweight and easy to carry in its aluminum case. |

Product No.	OT-4BMC	OT-4SC
Flow Rate	4,5 CFM / 7,65 ^{M3}	4,5 CFM / 7,65 ^{M3}
	127 L/min	127 L/min
Stage	Two-Stage	Single-Stage
Power	1/4 HP	1/4 HP
Ultimate Vacuum	15 micron	60 micron
Inlet Port	1/4" and 3/8" flare	1/4" and 3/8" flare
Oil Capacity	720 ml	890 ml
Dimensions	363x128x276mm	363x128x276mm
Weight	6 kg	5,4 kg

VACUUM PUMP



SMART VACUUM PUMP

- Brushless motor for R32 and other flammable refrigerant gas types.
- Portable, modern design.
- Integrated valve prevents vacuum loss.

Product No.	OT-2BM	OT-2SC
Flow Rate	2,5 CFM / 4,25 ^{M3}	2,5 CFM / 4,25 ^{M3}
	71 L/min	71 L/min
Stage	Two-Stage	Single-Stage
Power	1/4 HP	1/4 HP
Ultimate Vacuum	15 micron	60 micron
Inlet Port	1/4" flare	1/4" flare
Oil Capacity	240 ml	300 ml
Dimensions	215,5x105x200mm	215,5x105x200mm
Weight	3,5 kg	3 kg

VACUUM PUMP



SMART VACUUM PUMP

- Brushless motor for R32 and other flammable refrigerant gas types.
- Portable, modern design.
- Built-in solenoid valve and vacuum gauge.

Product No.	OT-4BM	OT-4S
Flow Rate	4,5 CFM / 7,65 M ³	4,5 CFM / 7,65 M ³
	127 L/min	127 L/min
Stage	Two-Stage	Single-Stage
Power	1/4 HP	1/4 HP
Ultimate Vacuum	15 micron	60 micron
Inlet Port	1/4" and 3/8" flare	1/4" and 3/8" flare
Oil Capacity	720 ml	890 ml
Dimensions	290x128x276mm	290x128x276mm
Weight	5,3 kg	4,7 kg

VACUUM PUMP



VACUUM PUMP

- Brushless motor for R32 and other flammable refrigerant gas types.
- Portable, modern design.
- Built-in solenoid valve and vacuum gauge.

Product No.	OT-6BM	OT-8BM	OT-10BM	OT-12BM
Flow Rate	6,5 CFM / 11,05 ^{M3}	8,5 CFM / 14,45 ^{M3}	10,5 CFM / 17,85 ^{M3}	12,5 CFM / 21,25 ^{M3}
	184 L/min	241 L/min	297 L/min	354 L/min
Stage	Two-Stage	Two-Stage	Two-Stage	Two-Stage
Power	1 HP	1 HP	1 HP	1 HP
Ultimate Vacuum	15 micron	15 micron	15 micron	15 micron
Inlet Port	1/4" and 3/8" flare	1/4" and 3/8" flare	1/4" and 3/8" flare	1/4" and 3/8" flare
Oil Capacity	600 ml	600 ml	600 ml	600 ml
Dimensions	349x139x333mm	349x139x333mm	349x139x333mm	349x139x333mm
Weight	11 kg	11 kg	11 kg	11 kg

VACUUM PUMP



VACUUM PUMP

Full Double-Layer Steel Construction

Ultra-high sealing performance.
Deeper ultimate vacuum.

Industrial-Grade Design

Extremely durable.
Ultra-high flow rate

Built-in Smart Control Valve

Prevents oil contamination when the refrigeration system is shut down.

Gas Ballast Valve

Accelerates vapor removal without contaminating the oil.

Smart Motor

Powerful and easy to start at -1 °C ambient temperature.

Brushless variable-frequency motor, suitable for R32 and similar refrigerant gas types.

Product No.	OT-15BM
Flow Rate	15 CFM / 25,5 ^{M3}
	25 ^{m3/s}
Stage	Two-Stage
Power	5X10-1 Pa
Ultimate Vacuum	15 micron
Inlet Port	1/4", 5/16" and 3/8" flare
Oil Capacity	1100 ml
Dimensions	407x161x334mm
Weight	14,2 kg

REFRIGERANT GAS RECOVERY MACHINE

ONE-BUTTON
SELF-PURGE
FUNCTION SWITCH

OT-520D

DIGITAL DISPLAY

OIL-FREE COMPRESSOR



BRUSHLESS
DC MOTOR

LIGHTWEIGHT DESIGN AND FAST RECOVERY

Brushless DC Motor

Safe, spark-free design
Lightweight and easy to carry

Twin-Cylinder Design

Fast recovery
Compact design

Digital Display

Easy and accurate pressure reading
Backlight for nighttime use

Oil-Free Compressor

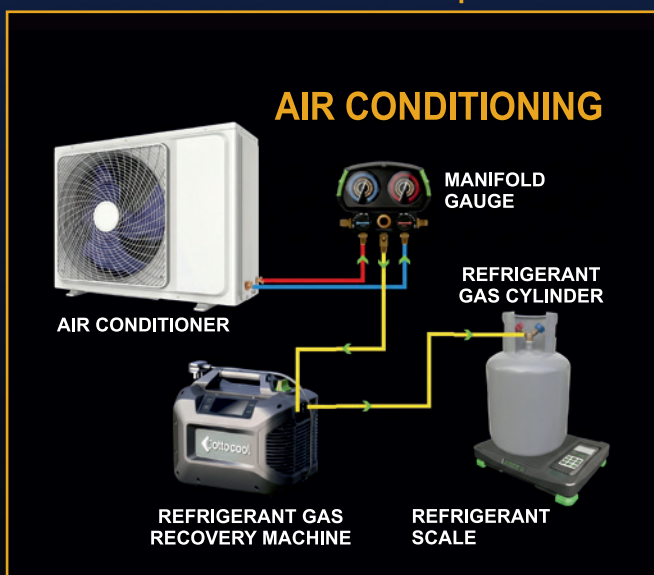
Suitable for R32 and all other
refrigerant gas types

Built-in Pressure Sensor

Accurate pressure measurement
Overpressure protection (38 bar)

Self-Purge

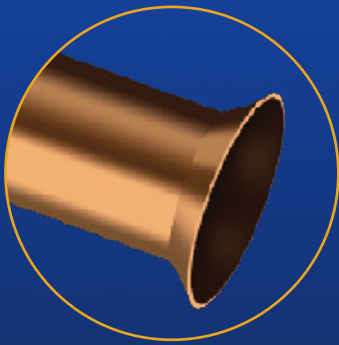
Prevents mixing of different re-
frigerant gas types



Product No.	OT-520D		
Compatible refrigerant gas	Series III: R12, R134a, R401C, R406A, R500, 1234YF Series IV: R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Series V: R402A, R404A, R407A, R407B, R410A, R507, R32		
Number of Pistons	2		
Power Supply	220 V – 240 V, 50/60 Hz		
Motor	750 W (1 HP)		
Rotational speed	2500 rpm		
Current	220 V: 6 A		
Compressor	Forced-air cooled, piston type, oil-free		
High-pressure protection	38.5 bar / 3850 kPa (558 psi)		
Operating temperature	0 °C ~ 40 °C / 32 ~ 104 °F		
Dimensions	375 x 250 x 320 mm		
Net Weight	10 kg		
Refrigerant gas	R134a	R22	R410A
Liquid	2.40 kg/min	2.70 kg/min	3.50 kg/min
Push-pull	7.50 kg/min	8.50 kg/min	9.50 kg/min

FLARING TOOL

OT-519FT



- PRECISION FLARING
- HIGH EFFICIENCY
- LIGHTWEIGHT DESIGN



Multi-size flaring clamps



Eccentric flaring cone



Can be used with an electric drill
Higher efficiency with less effort



Product No.	Description
OT-519FT	1/4", 3/8", 1/2", 5/8" (16mm), 3/4"(19mm)
Optional Flaring Clamps: 5/16" (8mm), 6mm, 9mm, 10mm, 12mm	

ECCENTRIC RATCHET FLARING TOOL

OT-R806A



- RATCHET MECHANISM (REMOVABLE HANDLE)
- CAN BE USED WITH AN ELECTRIC DRILL
- HIGH-STRENGTH ALUMINUM-ALLOY CLAMP
- ALUMINUM-ALLOY CLAMP STOP PLATE
- BODY: HIGH-STRENGTH FORGED ALUMINUM / STEEL
- EXCELLENT FEEL, PRECISION FLARING, LIGHTWEIGHT DESIGN



Product No.	Description	
OT-R806A	Inch sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	
OT-R806M	Metric sizes: 6mm, 9mm, 10mm, 12mm, 16mm, 19mm	
OT-R806FT-L	OT-R806 + ST-532 + ST-207	Inch and metric sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 6, 9, 10, 12, 16, 19mm

ECCENTRIC FLARING TOOL

OT-806A

- HIGH-STRENGTH ALUMINUM-ALLOY CLAMP
- ALUMINUM-ALLOY CLAMP STOP PLATE
- BODY: HIGH-STRENGTH FORGED ALUMINUM / STEEL
- EXCELLENT FEEL, PRECISION FLARING, LIGHTWEIGHT DESIGN



Product No.	Description	
OT-806A	Inch sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	
OT-806M	Metric sizes: 6mm, 9mm, 10mm, 12mm, 16mm, 19mm	
OT-806FT-L	OT-R806 + ST-532 + ST-207	Inch and metric sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 6, 9, 10, 12, 16, 19mm

OT-809AM

- 2-IN-1 METRIC AND INCH
- SUPPORTS FLARING OF 9 MM TUBE
- HIGH-STRENGTH ALUMINUM ALLOY, LIGHTWEIGHT AND EXTREMELY DURABLE



Product No.	Description
OT-809AM	2-in-1 Metric and Inch: 6 mm, 1/4", 9 mm, 3/8", 10 mm, 12 mm, 1/2", 5/8" (16 mm) and 3/4" (19 mm)

FLARING AND SWAGING/EXPANDING TOOL

OT-275A-L



Multi-size swaging head



Precision flaring



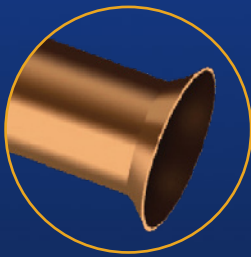
Precision swaging

Product No.	Description
OT-275A-L	Flaring: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"
	Swaging: 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"

| CORDLESS LITHIUM-ION FLARING TOOL



- 2-in-1 Metric and Inch
- Supports Flaring of 9 mm Tube
- Easier Work with Cordless Flaring



PRECISION FLARING, FINE WORKMANSHIP, EXTREMELY DURABLE

| CORDLESS LITHIUM-ION FLARING TOOL



-  **POWERFUL PERFORMANCE**
-  **PRECISION FLARING**
-  **LONG BATTERY LIFE**

CORDLESS LITHIUM-ION FLARING TOOL

OT-E900



Technical Specifications

Product No.	OT-E900A	OT-E900AM
Power	11.1V Lithium-ion battery	
Compatible Tube Type	Copper tube	
Tube Diameter	1/4", 3/8", 1/2", 5/8", 3/4"	6mm, 1/4", 9mm, 3/8", 12mm, 1/2", 5/8" (16mm), 3/4" (19mm)
Dimensions	243x101x102 mm	
Weight	3,5 kg	3,9 kg



| CORDLESS LITHIUM-ION FLARING TOOL



**LITHIUM-ION
BATTERY POWERED**

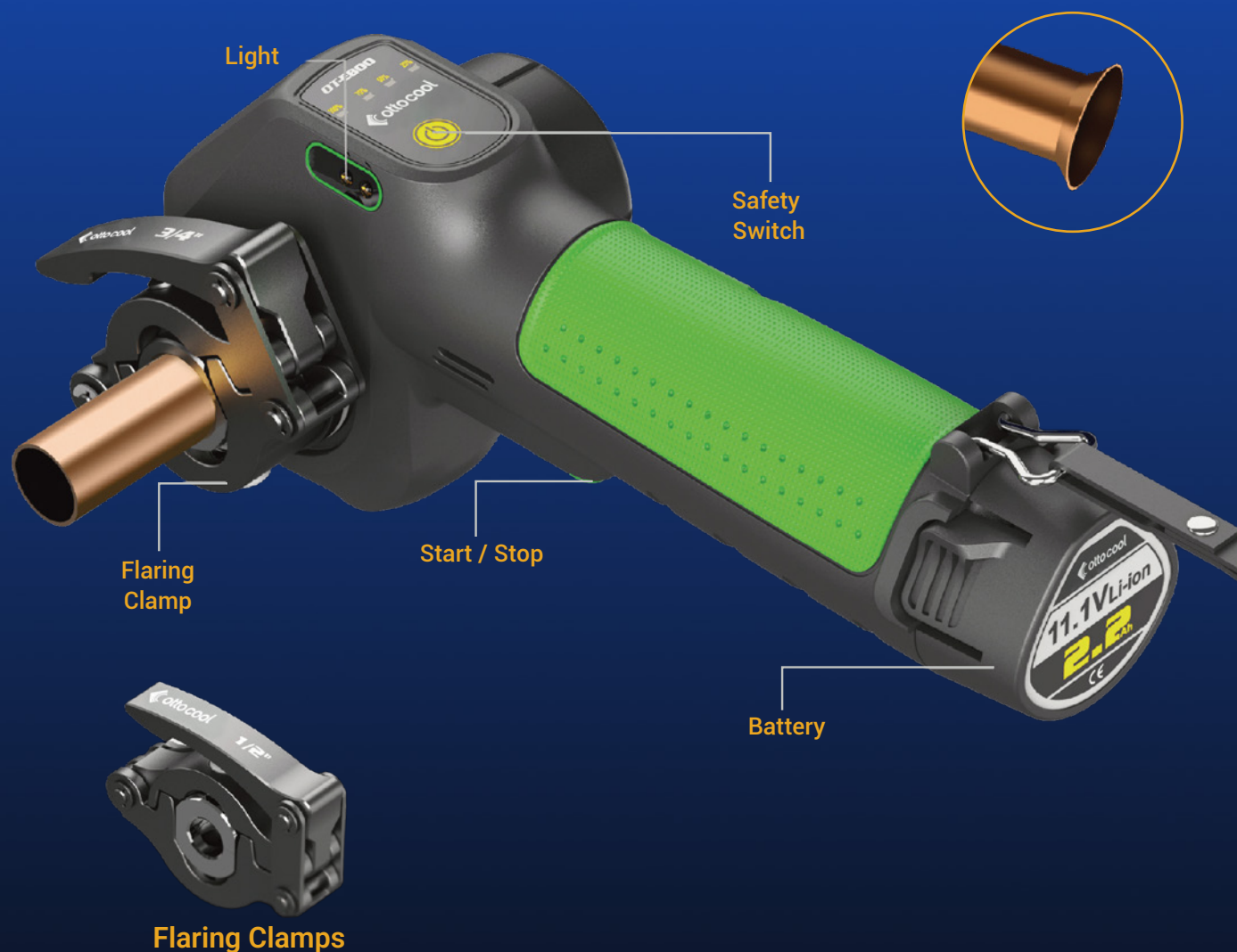


HIGH EFFICIENCY



**LONG BATTERY
LIFE**

CORDLESS LITHIUM-ION FLARING TOOL



Product No.	OT-E800A
Power	11.1V Lithium-ion battery
Compatible Tube Type	Copper tube
Tube Diameter	1/4", 3/8", 1/2", 5/8" (16mm), 3/4" (19mm) Optional flaring clamps: 6mm, 9mm, 10mm, 12mm
Dimensions	245 x 114 x 102 mm
Weight	4,1 kg

CORDLESS LITHIUM-ION TUBE EXPANDER



Product No.	Description	
OT-E300A	OT-E300A + ST-532	Inch sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"
OT-E300M	OT-E300M + ST-532	Metric sizes: 10, 12, 16, 19, 22, 25, 28mm
OT-E300AL	OT-E300A + ST-650	Inch sizes: 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"
OT-E300ML	OT-E300M + ST-650	Metric sizes: 10, 12, 16, 19, 22, 25, 28, 32, 35, 38, 42mm

CORDLESS LITHIUM-ION TUBE EXPANDER

 OT-E300



 **LITHIUM-ION
BATTERY POWERED**

 **HIGH EFFICIENCY**

 **LONG BATTERY
LIFE**

HYDRAULIC TUBE EXPANDER



LIGHTWEIGHT FORGED ALUMINUM, EASY TO CARRY



Product No.	Description	
OT-E300A	OT-E300A + OT-532	Inch sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8" O.D. Tube
OT-E300M	OT-E300M + OT-532	Metric sizes: 10, 12, 16, 19, 22, 25, 28mm O.D. Tube
OT-E300AL	OT-E300A + OT-650	Inch sizes: 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" O.D. Tube
OT-E300ML	OT-E300M + OT-650	Metric sizes: 10, 12, 16, 19, 22, 25, 28, 32, 35, 38, 42mm O.D. Tube

LEVER-TYPE TUBE EXPANDER



LIGHTWEIGHT FORGED ALUMINUM, EASY TO CARRY

Product No.	Description	
OT-100A	OT-100A + ST-532	Inch sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8" O.D. Tube
OT-100A	OT-100M + ST-532	Metric sizes: 10, 12, 16, 19, 22, 25, 28mm O.D. Tube

SWAGING PINS



Product No.	Description	Product No.	Description
OT-E900S-04	For 1/4" O.D. tubes	OT-E900S-10	For 5/8" O.D. tubes
OT-E900S-06	For 3/8" O.D. tubes	OT-E900S-12	For 3/4" O.D. tubes
OT-E900S-08	For 1/2" O.D. tubes	OT-E900S-14	For 7/8" O.D. tubes

FLARING PINS



**QUICK
SWAGING PIN**
OTTO-E900S-4S

Description:
1/4"(6mm),
3/8"(9mm),
1/2"(12mm)
5/8"(16mm)



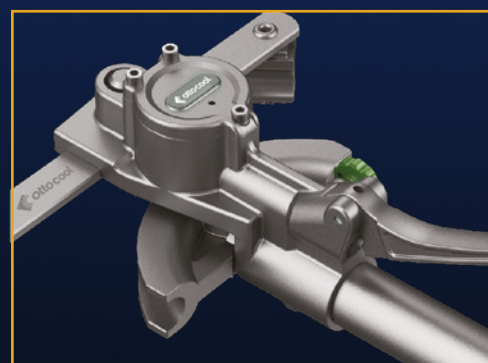
Product No.	Description	Product No.	Description
OT-E900F-04	For 1/4" O.D. tubes	OT-E900F-10	For 5/8" O.D. tubes
OT-E900F-06	For 3/8" O.D. tubes	OT-E900F-12	For 3/4" O.D. tubes
OT-E900F-08	For 1/2" O.D. tubes		

HYDRAULIC TUBE BENDER

 **OT-Y999**



POWERFUL BENDING



FORGED ALUMINUM, LIGHTWEIGHT DESIGN

Product No.	Description	
OT-Y999	1/4" (6mm), 5/16" (8mm), 3/8" (10mm), 1/2" (12mm), 5/8" (16mm), 3/4" (19mm), 7/8" (22mm)	Blow-Molded Carrying Case Aluminum Former

CORDLESS LITHIUM-ION TUBE BENDER



LITHIUM-ION BATTERY POWERED, EFFICIENT AND LABOR-SAVING



Quick installation of bending former and universal crossbar



7-in-1 bending block for easy switching between different tube sizes



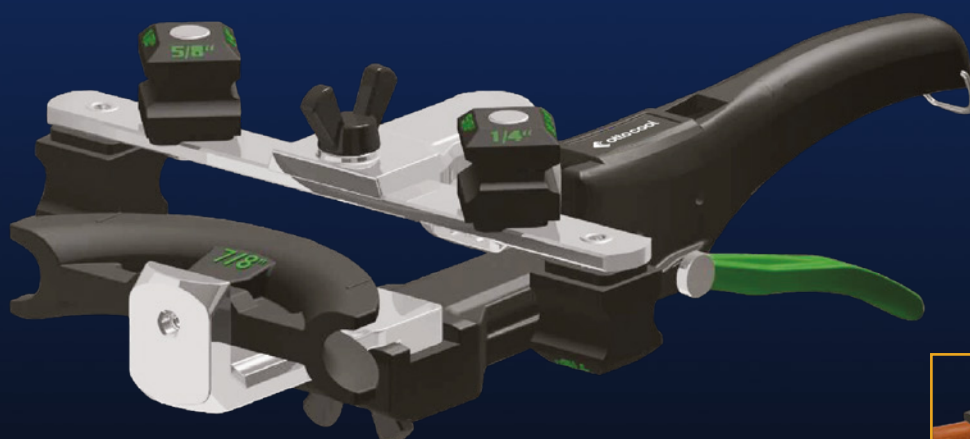
Lithium-ion battery power makes bending easier

Product No.	Description	
OT-E999	1/4"(6mm), 5/16"(8mm), 3/8"(10mm), 1/2"(12mm), 5/8"(16mm), 3/4"(19mm), 7/8"(22mm)	In blow-molded carrying case Aluminum former
OT-E999L	1/4"(6mm), 5/16"(8mm), 3/8"(10mm), 1/2"(12mm), 5/8"(16mm), 3/4"(19mm), 7/8"(22mm), 1"(25mm), 1-1/4"(32mm)	

| 90° TUBE BENDING SET



REVERSE BENDING



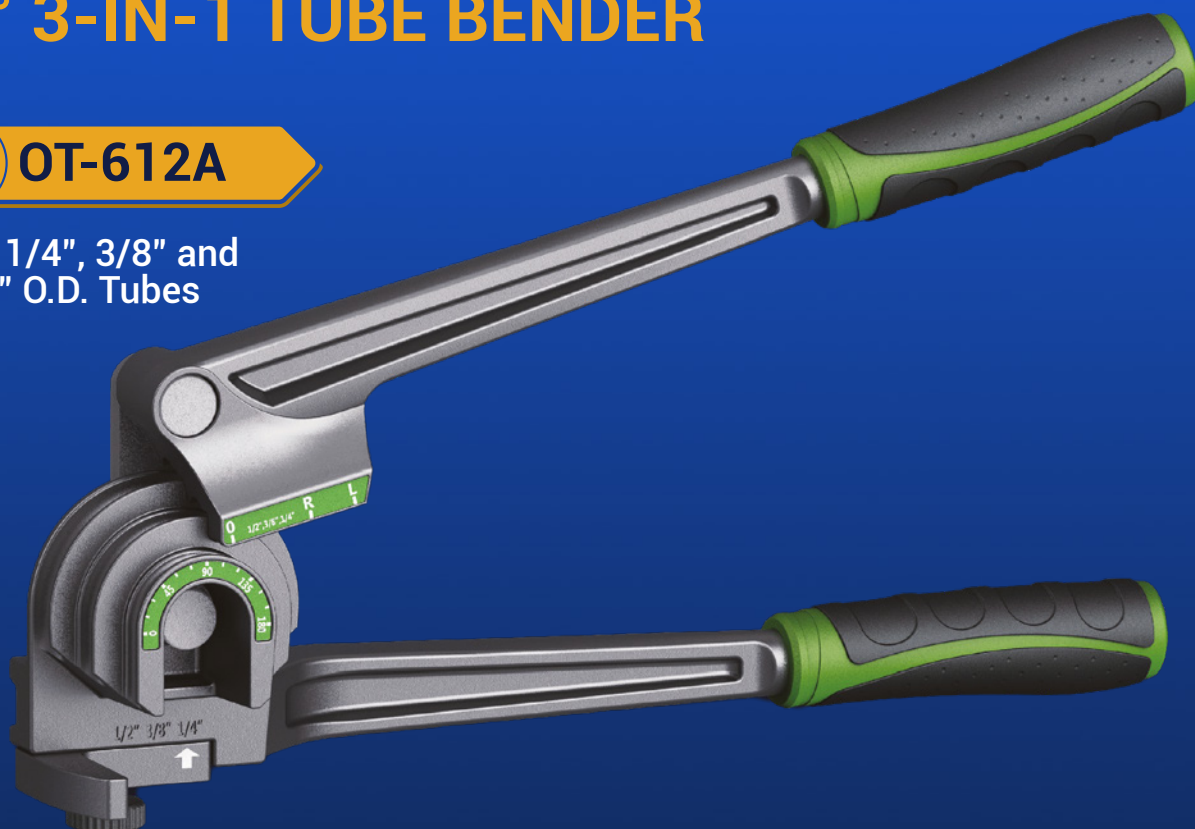
EASY OPERATION AND EXCELLENT BENDING

Product No.	Description	
OT-R999 + OT-207	Inch sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"	In blow-molded carrying case Aluminum former

180° 3-IN-1 TUBE BENDER

OT-612A

For 1/4", 3/8" and 1/2" O.D. Tubes



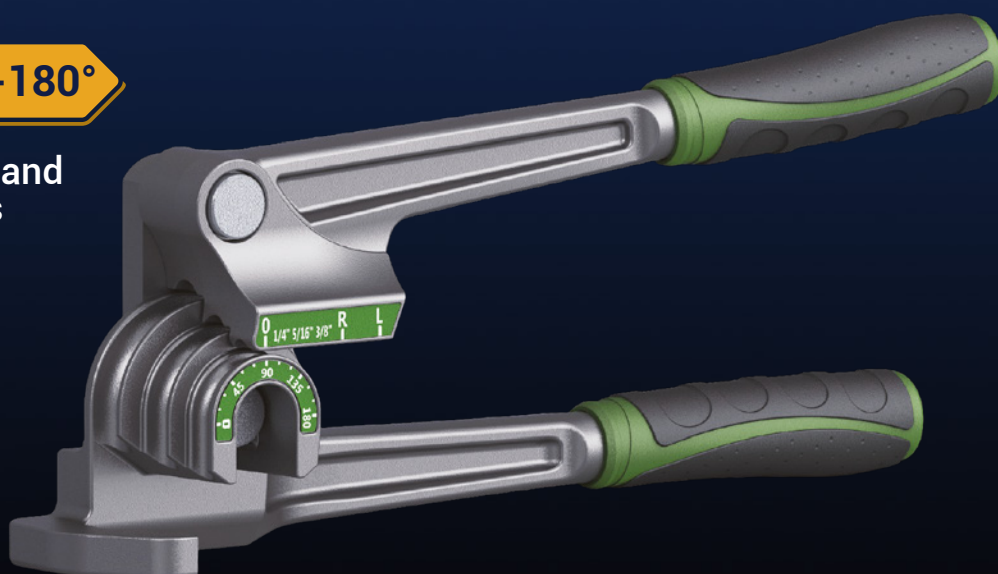
OT-612M

For 6 mm, 10 mm and 12 mm O.D. Tubes

- Aluminum-alloy body
- Open-side design slides onto the tube at any point and can bend thin-wall tube down to 0.4 mm without deformation.
- Calibrated markings for precise left-hand, right-hand and offset bends; the 180° starting position requires less effort.

OT-N368-180°

For 1/4", 5/16" and 3/8" O.D. Tubes



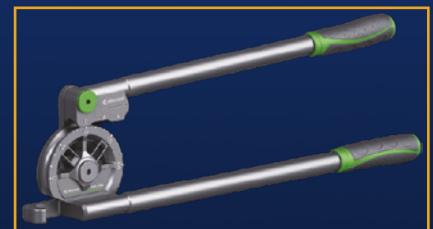
WHEEL-TYPE TUBE BENDER



Bending former



Retaining hook for
positioning the tube



HIGH-STRENGTH ALUMINUM ALLOY, LIGHTWEIGHT DESIGN

Product No.	Description
OT-N364A-06	For 3/8" O.D. tubes
OT-N364M-06	For 10mm O.D. tubes
OT-N364A-08	For 1/2" O.D. tubes
OT-N364M-08	For 12mm O.D. tubes
OT-N364-10	For 5/8" and 16mm O.D. tubes
OT-N364-12	For 3/4" and 19mm O.D. tubes
OT-N364-14	For 7/8" and 22mm O.D. tubes

SMART SPRING-LOADED TUBE CUTTER



- Smart spring design for rapid blade feed
- Sharp blade design for a smooth cut edge
- Bearing-roller design for smooth cutting



Spring-Loaded Design

Product No.	Description	
OT-432S	SMART SPRING-LOADED TUBE CUTTER	3/16" to 1-1/4" (4-32 mm)

ROLLER-TYPE TUBE CUTTER

OT-532



Product No.	Description	
OT-319	Roller-Type Tube Cutter	ø 1/8" to 3/4" (3-19mm)
OT-428		ø 3/16" to 1-1/8" (4-28mm)
OT-532		ø 3/16" to 1-1/4" (5-32mm)
OT-650		ø 1/4" to 2" (6-50mm)
OT-670		ø 1/4" to 2-3/4" (6-70mm)



OT-428

- ALLOY-STEEL BLADE: SHARP AND DURABLE
- BEARING: SMOOTH AND PRECISE
- ALUMINUM-ALLOY CUTTER BODY: LIGHTWEIGHT AND LABOR-SAVING

RATCHET TORQUE WRENCH



- Easy operation in confined spaces
- Preset torque design with audible indication when the required torque is reached
- For flare connections in R410A/R32 refrigerant gas systems



No.	Diameter	Compatible copper tube	Torque	Length	Weight
1	17 mm	1/4"	18 N.M (±2N.M)	217 mm	335g
2	22 mm	3/8"	38 N.M (±4N.M)	252 mm	395g
3	24 mm	1/2"	55 N.M (±6N.M)	263 mm	440g
4	26 mm	1/2"	55 N.M (±6N.M)	263 mm	440g
5	27 mm	5/8"	75 N.M (±7N.M)	294 mm	475g
6	29 mm	5/8"	75 N.M (±7N.M)	294 mm	475g

| TUBE REPAIR PLIERS



- For 1/4", 3/8", 1/2", 5/8" tubes
- EASILY REPAIRS
- FLATTENED TUBES



- For 1/4", 3/8", 1/2", 5/8", 3/4" tubes
- EASILY REPAIRS
- FLATTENED TUBES

| TUBE PINCH-OFF PLIERS (HEAVY DUTY)



Powerful tube pinch-off

No.	Description	Application Range	Length	Weight
OT-201B	10"	3-10mm (1/8" – 3/8")	228 mm	0,5 kg

| TUBE STRAIGHTENING TOOL



Product No.	Description	Product No.	Description
OT-302-3/16"	For 3/16" O.D. tubes	OT-302-6	For 6 mm O.D. tubes
OT-302-1/4"	For 1/4" O.D. tubes	OT-302-8	For 8 mm O.D. tubes
OT-302-3/8"	For 3/8" O.D. tubes	OT-302-10	For 10 mm O.D. tubes
OT-302-1/2"	For 1/2" O.D. tubes	OT-302-12	For 12 mm O.D. tubes

PLIERS-TYPE TUBE EXPANDER



OT-622

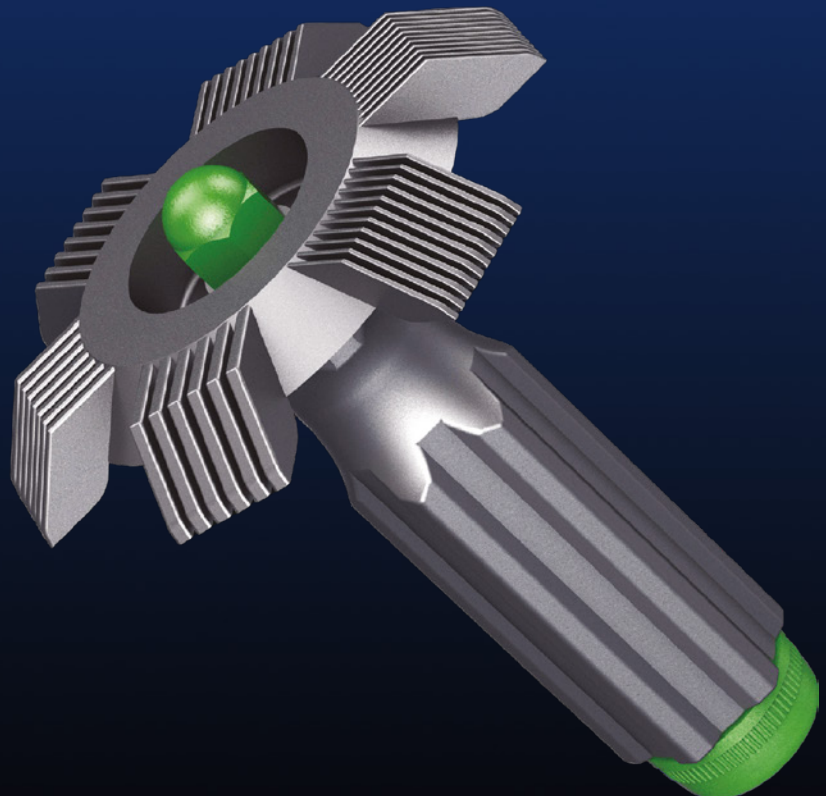
Applicable sizes:

6mm, 8mm, 9mm, 10mm,
12mm, 16mm, 19mm, 22mm,
1/4", 5/16", 3/8", 1/2", 5/8",
3/4", 7/8" O.D. Tubes

FIN COMB



For 8, 9, 10, 12, 14
and 15 fins per inch



| PEN-TYPE DEBURRING TOOL

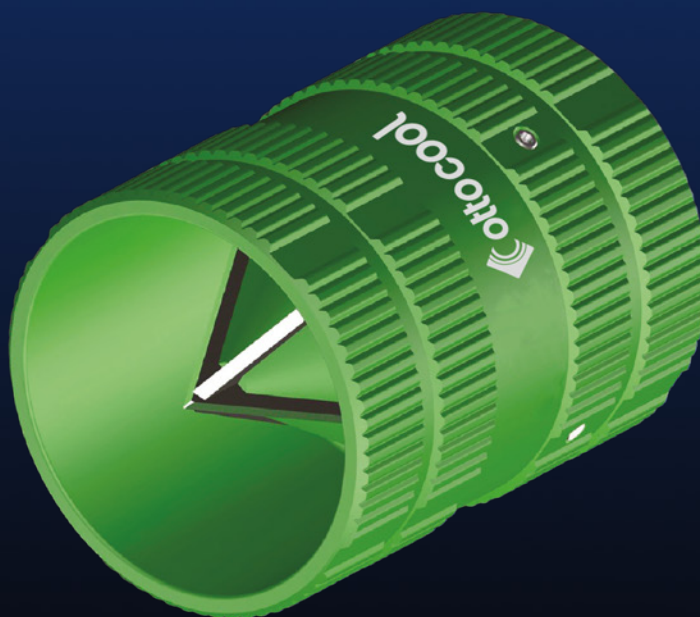


- Convenient deburring tool
- Rotating blade

| INNER-OUTER TUBE REAMER



- Aluminum body
- 1/4" ~ 1-5/8" O.D. Tubes
- Easy deburring



| VALVE CORE REMOVER



OT-VA1



| REFRIGERANT GAS CONTROL VALVE



OT-VB1



OT-VC1

Product No.	Female	Male	Product No.	Female	Male
OT-VB1	1/4" (R22)	1/4" (R22)	OT-VC1	1/4" (R22)	1/4" (R22)
OT-VB2	5/16" (R410a)	1/4" (R22)	OT-VC2	5/16" (R410a)	1/4" (R22)
OT-VB3	5/16" (R410a)	5/16" (R410a)	OT-VC3	5/16" (R410a)	5/16" (R410a)
OT-VB4	1/4" (R22)	5/16" (R410a)	OT-VC4	1/4" (R22)	5/16" (R410a)

REFRIGERANT GAS LEAK DETECTOR

OT-382P



- Applications: automotive A/C, central air-conditioning, cold storage, etc.
- Detects CFC, HCFC and HFC refrigerants.
- Minimum detectable leak: <3 g/year (R134a)
- Selectable high/medium/low leak sensitivity.
- Adjustable automatic/manual zeroing.
- Ambient concentration reset.

Product No.	OT-382P		
Alarm Method	Audible and visual: buzzer, color LCD display	Charging Time	3 hours
Flexible stainless-steel probe length	40 cm (15.5")	Sensor Warm-Up Time	10 sec
Power Supply	1 x 18650 lithium-ion battery	Operating Temperature and Humidity	0 ~ 40 °C, <80% RH
Charging Current	0.6 A	Storage Temperature and Humidity	-10 ~ 60 °C, <70% RH
Battery Capacity	3000 mAh	Operating Altitude	<2000 m (6500 ft)
Runtime on Full Charge	Approx. 7 hours continuous use	Dimensions / Weight	173 x 66 x 56 mm (approx. 400 g)
Auto Power-Off	10 minutes	Accessories	1 x 18650 lithium-ion battery, 1 x Type-C USB cable, user manual, carrying case

REFRIGERANT GAS LEAK DETECTOR

OT-382P

Built-in
suction pump

Large color LCD display

USB Type-C port

Peak Leak Reading
Memory

15.5" (40 CM) Flexible
stainless-steel probe

Semiconductor gas
sensor

Lithium-ion
battery power
supply

VACUUM GAUGE



- Vacuum Measurement Range: 740000 - 0.75 micron
- Target Vacuum Alarm Function
- One-Touch Full-Range Calibration
- System Vacuum Leak Detection and Vacuum Quality Assessment
- Portable Design, Battery Power, Power Indicator, Automatic Shut-Off After 10 Minutes of Inactivity



TECHNICAL SPECIFICATIONS

Range	740000~0.75 micron
Accuracy	±5% of reading
Resolution	0.1 Pa (<10 Pa); 1 Pa (<100 Pa); 10 Pa (<1000 Pa)
Unit	Pa, mbar, mmHg, mTorr, inHg, micron
Battery Life	40 hours (3 AA batteries)
Maximum Overload Pressure	5 bar
Operating Temperature	-5 to 50 °C
Audible Alarm	90 dB, switches off after 10 seconds

WIRELESS DIGITAL REFRIGERANT SCALE



PRECISION CHARGING

High-Strength
Aluminum-Alloy Weighing
Platform
125 kg weighing range
Easy to carry

Wireless Control
Technology
No control cable
interference
More precise charging

High-Reliability Weighing
Sensor
 $\pm 0.05\%$ reading accuracy
Resolution ± 5 g

Large-Display Controller
Easy data reading
Backlight for nighttime use

TECHNICAL SPECIFICATIONS

Weighing Range	100 kg
Resolution	5 g, 0.01 lb, 0.16 oz
Accuracy	$\pm 0.05\%$
Power Supply	Scale Power: 6 x 1.5 V (AA) Controller Power: 5 x 1.5 V (AAA)
Battery Life	50 Hours Continuous Use
Operating Temperature	-10 - 45 °C
Net Weight	4.13 kg
Platform Dimensions	314 x 239 x 61 mm

| SINGLE ANALOG MANIFOLD

- FOLDING HOOK
- OPTIONAL GAUGES
- ALUMINUM ALLOY ROUND WHEEL HANDLE
- MANUAL BALL-VALVE DESIGN
- TEXTURED PROTECTIVE COVER WITH SUPERIOR SHOCK PROTECTION



Gauge Diameter 68mm	High Pressure	OT-B168H	OT-B168H1	OT-B168H2	OT-B168H3
	Low Pressure	OT-B168L	OT-B168L1	OT-B168L2	OT-B168L3
Gauge Scale		R22, R404A, R410A, R407C	R410A, R32, R407C, R134A	R404A, R410A, R22, R134A	R454B, R32 R410A, R22

| ANALOG MANIFOLD

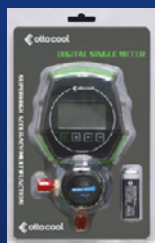
- FOLDING HOOK
- OPTIONAL GAUGES
- ALUMINUM VALVE
- MANUAL BALL-VALVE DESIGN
- TEXTURED PROTECTIVE COVER WITH SUPERIOR SHOCK PROTECTION



Gauge Diameter 68mm	OT-B268	OT-B2681	OT-B2682	OT-B2683
Gauge Diameter 80mm	OT-B280	OT-B2801	OT-B2802	OT-B2803
Gauge Scale	R22, R404A, R410A, R407C	R410A, R32, R407C, R134A	R404A, R410A, R22, R134A	R454B, R32 R410A, R22
Hose Length	60" (150 cm)			
Description	3 charging hoses: red, yellow and blue (1/4" SAE). Working pressure 800 psi. Burst pressure 4000 psi. Aluminum body with sight glass. Designed for 1/4" SAE connections.			

| SINGLE DIGITAL MANIFOLD

- FOLDING HOOK
- MANUAL BALL-VALVE DESIGN
- TEXTURED PROTECTIVE COVER WITH SUPERIOR SHOCK PROTECTION
- COMPATIBLE WITH MORE THAN 90 REFRIGERANT GAS TYPES



Gauge Diameter 68mm	Gauge Diameter 80mm
OT-B168DH	Includes data for more than 90 refrigerant gas types, including R22, R32, R600, R1234yf, R410A, R134A, etc.
OT-B168DL	

| DIGITAL MANIFOLD

- FOLDING HOOK
- MANUAL BALL-VALVE DESIGN
- TEXTURED PROTECTIVE COVER WITH SUPERIOR SHOCK PROTECTION
- COMPATIBLE WITH MORE THAN 90 REFRIGERANT GAS TYPES



Product No.	Hose Length	Description
OT-B268D	60" (150 cm)	3 charging hoses: red, yellow and blue (1/4" SAE). Working pressure 800 psi. Burst pressure 4000 psi. Aluminum test-manifold body with sight glass. Designed with a 1/4" SAE connection for refrigerant gas service.

DIGITAL MANIFOLD

OT-DM2

Bluetooth Support

Sight Glass

Hose Parking Port

Refrigerant Liquid
Charging Port
(Low Pressure)

ESC

MENU

↑

↓

Service Port
(Refrigerant Liquid Charging,
Vacuum and Recovery)

Pressure Test Port (High
Pressure)

Temperature Sensor
Input Port

4" Color Display

Silicone Rubber Keypad

High-Reliability Shut-Off
Valve



Clamp-Type Temperature Sensor



High-Reliability
Bidirectional Piston Valve



Multi-Directional Alloy Hook

Product No.	OT-DM2	Working Pressure	-30 inHg to 750 psi
Refrigerant liquid List	R11, R12, R13, R14, R113, R114, R115, R116, R123, R124, R125, R1270, R134A, R141B, R142B, R143A, R152A, R170, R21, R218, R22, R227EA, R23, R236EA, R245CA, R245FA, R290, R32, RC318, R365MFC, R401A, R401B, R401C, R402A, R402B, R403A, R403B, R404A, R405A, R406A, R407A, R407B, R407C, R407D, R407E, R408A, R409A, R409B, R410A, R410B, R411A, R411B, R412A, R413A, R414A, R414B, R415A, R415B, R416A, R417A, R418A, R419A, R420A, R421A, R421B, R422A, R422B, R422C, R422D, R423A, R424A, R425A, R426A, R427A, R428A, R500, R501, R502, R503, R504, R507A, R508A, R508B, R509A, R50, R600, R600A, R717, R744, R1234YF		
Accessories	Carrying case, 3 x 150 cm hoses, 2 x clamp-type temperature sensors, battery		

DIGITAL MANIFOLD

OT-DM4



Clamp-Type Temperature Sensor



High-Reliability
Bidirectional Piston Valve



Multi-Directional Alloy Hook

Product No.	OT-DM4	Working Pressure	-30 inHg to 750 psi
Refrigerant liquid List	R11, R12, R13, R14, R113, R114, R115, R116, R123, R124, R125, R1270, R134A, R141B, R142B, R143A, R152A, R170, R21, R218, R22, R227EA, R23, R236EA, R245CA, R245FA, R290, R32, RC318, R365MFC, R401A, R401B, R401C, R402A, R402B, R403A, R403B, R404A, R405A, R406A, R407A, R407B, R407C, R407D, R407E, R408A, R409A, R409B, R410A, R410B, R411A, R411B, R412A, R413A, R414A, R414B, R415A, R415B, R416A, R417A, R418A, R419A, R420A, R421A, R421B, R422A, R422B, R422C, R422D, R423A, R424A, R425A, R426A, R427A, R428A, R500, R501, R502, R503, R504, R507A, R508A, R508B, R509A, R50, R600, R600A, R717, R744, R1234YF		
Accessories	Carrying case, 4 x 150 cm hoses, 2 x clamp-type temperature sensors, battery		

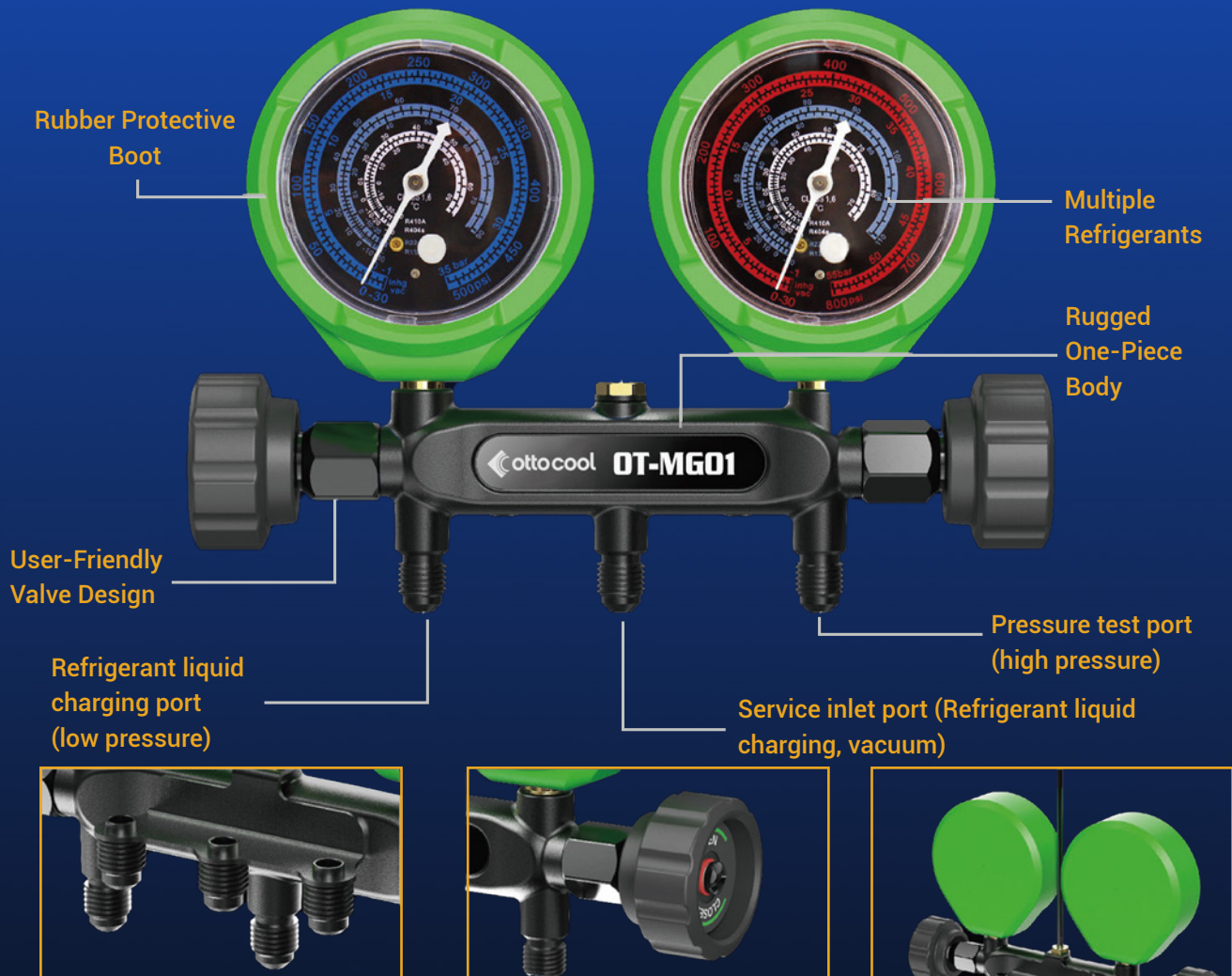
DIGITAL MANIFOLD

OT-6889



Product No.	OT-6889	Working Pressure	-30 inHg to 750 psi
Refrigerant liquid List	R11, R12, R13, R14, R113, R114, R115, R116, R123, R124, R125, R1270, R134A, R141B, R142B, R143A, R152A, R170, R21, R218, R22, R227EA, R23, R236EA, R245CA, R245FA, R290, R32, RC318, R365MFC, R401A, R401B, R401C, R402A, R402B, R403A, R403B, R404A, R405A, R406A, R407A, R407B, R407C, R407D, R407E, R408A, R409A, R409B, R410A, R410B, R411A, R411B, R412A, R413A, R414A, R414B, R415A, R415B, R416A, R417A, R418A, R419A, R420A, R421A, R421B, R422A, R422B, R422C, R422D, R423A, R424A, R425A, R426A, R427A, R428A, R500, R501, R502, R503, R504, R507A, R508A, R508B, R509A, R50, R600, R600A, R717, R744, R1234YF		
Accessories	Carrying case, 3 x 150 cm hoses, 2 x clamp-type temperature sensors, battery		

| 2-VALVE MANIFOLD GAUGE



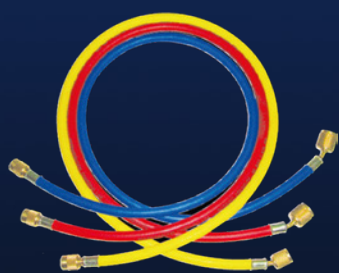
Product No.	OT-MG01	OT-MG02	OT-MG03	OT-MG04
Gauge Scale	R404A R410A R22 R134A	R410A R32 R407C R134A	R410A R407C R22 R404A	R454B R32 R410A R22
Working Pressure	-30 inHg to 800–4000 psi			
Accessories	Carrying case, 3 x 150 cm hoses			

MANIFOLD GAUGE



Product No.	OT-GH01	OT-GH02	OT-GH03	OT-GH04
High-Pressure Gauge Scale	R404A R410A R22 R134A	R410A R32 R407C R134A	R410A R32 R407C R134A	R454B R32 R410A R22

Product No.	OT-GL01	OT-GL01	OT-GL01	OT-GL01
Low-Pressure Gauge Scale	R404A R410A R22 R134A	R410A R32 R407C R134A	R410A R32 R407C R134A	R454B R32 R410A R22



R410 HIGH-PRESSURE CHARGING HOSE



- 3 x 150 cm red, yellow and blue hose set
- High-pressure charging hose made of special materials.
- Working Pressure 55 bar



R410 HIGH-PRESSURE CHARGING HOSE WITH VALVE



- 3 x 150 cm red, yellow and blue hose set with valves
- 3 x 150 cm red, yellow and blue hose set

HOSE PARKING ADAPTER



Sizes :

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

Suitable for different hose sizes



Y-TYPE CONNECTOR



Product No.	Description
OT-Y01	2 x 3/8" male connection to 1 x 1/4" female connection
OT-Y02	2 x 3/8" male connection to 1 x 3/8" female connection

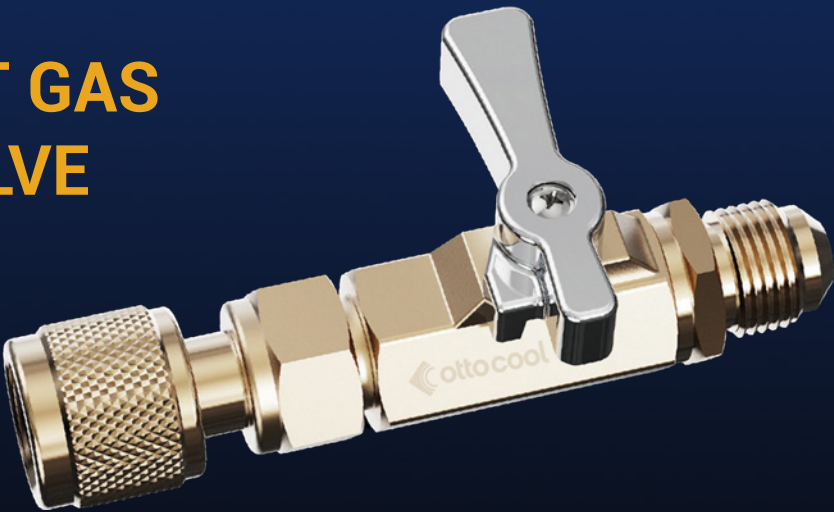
HIGH-FLOW VACUUM HOSE |

OT-VR01



Product No.	OT-VR01	OT-VR02	OT-VR03	OT-VR04
Length	1.8 m	1.8 m	1.8 m	1.8 m
Hose Diameter	3/8"	3/8"	1/2"	1/2"
Connection Sizes	1/4" – 3/8"	3/8" – 3/8"	1/4" – 3/8"	1/4" – 1/2"

REFRIGERANT GAS
CONTROL VALVE



Product No.	Description			
OT-BV01	Female	3/8"	Male	3/8"
OT-BV02	Male	3/8"	Male	3/8"

OTTOCOOL CONDENSATE PUMP



A1-A2

A MINI

A3

The Ottocool Condensate Pump is designed to remove condensate from air-conditioning systems safely and efficiently. Its compact design and quiet operation provide a practical solution.

- Ultra-quiet operation
- High-performance drainage system
- Compact and modern design
- Easy installation and operation

TECHNICAL SPECIFICATIONS

Model	A1	A2	A3	A Mini
Voltage	100-240V/50-60Hz	100-240V/50-60Hz	100-240V/50-60Hz	100-240V/50-60Hz
Discharge Head (Max.)	10 m / 33 ft	10 m / 33 ft	7m/23ft	8 m / 26 ft
Flow Rate (Max.)	24 L/h 6.4 US GPH	40 L/h 10.6 US GPH	400 L/h	12 L/h 3.2 US GPH
Effective Reservoir Capacity	200 ml	200 ml	2 L	50 ml
Max. A/C Capacity	9 kW 30000 btu/h	13 kW 45000 btu/h	9 kW 30000 btu/h	9 kW 30000 btu/h
Noise at 1 m	27 dB(A)	30 dB(A)	45dB(A)	19 dB(A)
Operating Ambient Temperature	0 °C~50 °C	0 °C~50 °C	2-50 °C	0 °C~50 °C

INTERNAL TUBE BENDING KIT



Allows insulated copper tubes to be bent easily without cracking or breaking. An ideal accessory for soft copper tubing.

APPLICATION BENEFIT

The 4-meter guide hose is inserted inside the tube to allow safe shaping and bending.

Feature	Value
Product Type	PVC Hose Set
Length	4 m (each)
Diameters	1/4 - 3/8 - 1/2 - 5/8
Set Contents	4 hoses



A/C COIL AND CONDENSER CLEANER



Features

- Over 80% biodegradable, environmentally friendly formula
- Foaming formula adheres to vertical surfaces and powerfully removes scale, dirt and oxidation
- Suitable for spraying, brushing, dipping and wiping
- For industrial use

Directions

- Dilute with water from 1:1 to 1:10 depending on the level of contamination.
- Leave on the surface for a few minutes; rinse thoroughly with plenty of water, preferably pressurized, before it dries.

Warnings

- Do not use on polished surfaces and do not allow the product to dry on the surface.
- Avoid eye and skin contact; wear gloves and safety glasses.
- Keep out of reach of children. Seek medical attention if swallowed.

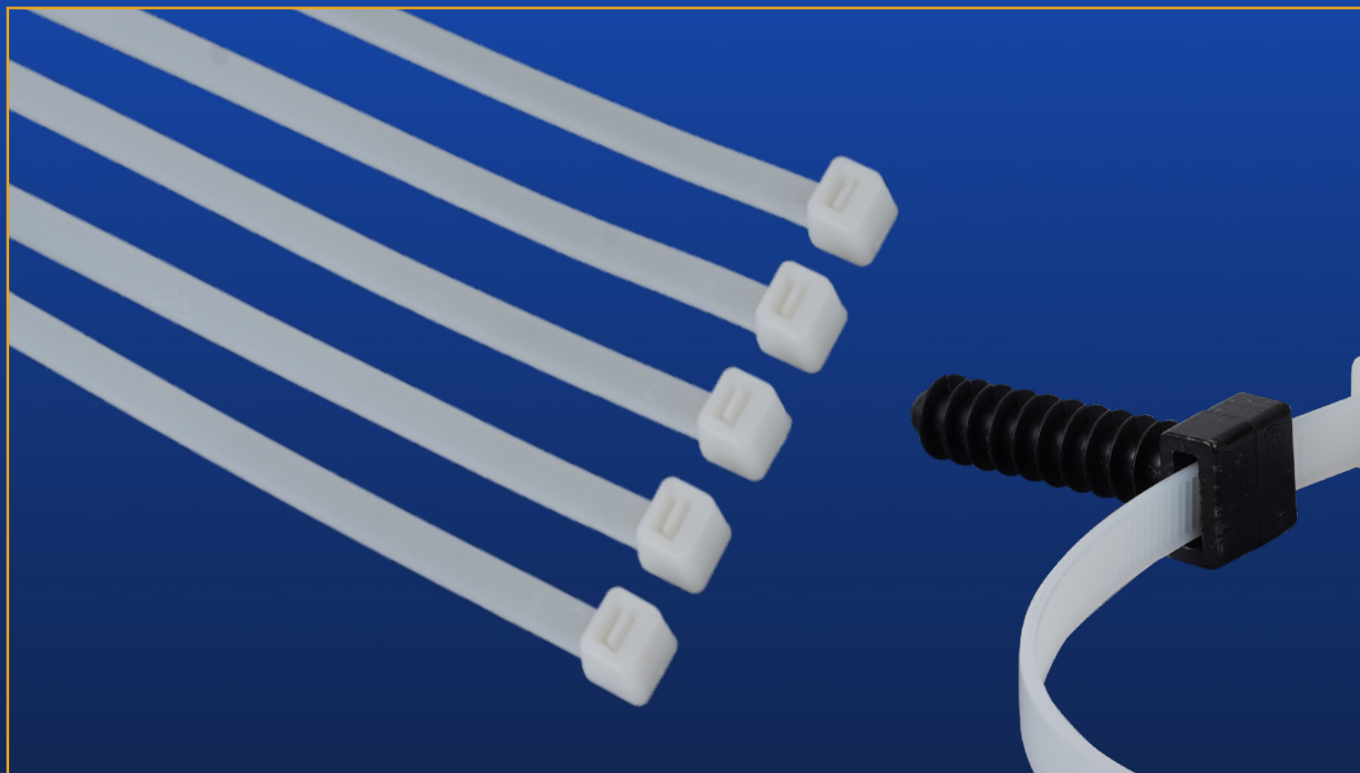
MINERAL VACUUM PUMP OIL



Features

- High vacuum performance and low evaporation
- High oxidation resistance
- Excellent lubrication and long service life
- (For industrial use.)

| PLASTIC CABLE TIE



A high-strength, practical fastener used to keep copper tubing, cables and other installation components organized and securely bundled in A/C installations and various fastening applications. Its locking mechanism provides a firm grip, enables quick installation and delivers long-term performance.

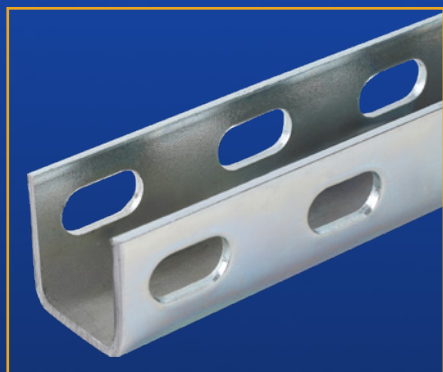
Feature	Description
Product Type	Plastic Cable Tie
Material	High-Strength Nylon
Locking System	One-Way Toothed Locking Mechanism
Durability	Resistant to Abrasion and Impact



PERFORATED CHANNELS

PERFORATED U-CHANNEL

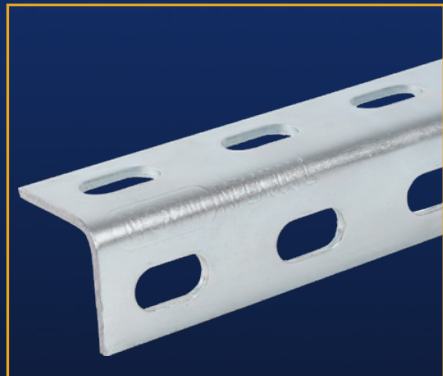
APPLICATION Used as a multipurpose suspension, support and fastening element.



PRODUCT CODE	SIZE	L (mm)	SxB (mm)	ExF (mm)	C (mm)	G (mm)	UNIT WEIGHT (kg)	PCS PER BUNDLE
NPUK302	30x30x2	2000	2x30	10x20	40	12	2,353	100
NPUK303-L	30x30x2,5	2000	2,5x30	10x20	40	12	2,629	100
NPUK303	30x30x3	2000	3x30	10x20	40	12	3,222	100
NPUK403-L	40x40x2,5	2000	2,5x40	12,5x25	40	17	3,605	100
NPUK403	40x40x3	2000	3x40	12,5x25	40	17	4,352	100
NPUK404	40x40x4	2000	4x40	12,5x25	40	17	5,644	100
NPUK503	50x50x3	2000	3x50	12,5x25	40	20	5,856	100
NPUK504	50x50x4	2000	4x50	12,5x25	40	20	7,43	100

PERFORATED L-ANGLE

APPLICATION Used as a multipurpose suspension, support and fastening element.



PRODUCT CODE	SIZE	L (mm)	SxB (mm)	ExF (mm)	C (mm)	G (mm)	UNIT WEIGHT (kg)	PCS PER BUNDLE
NPLK302	30x30x2	2000	2x30	10x20	40	11,5	1,497	100
NPLK303-L	30x30x2,5	2000	2,5x30	10x20	40	11,5	1,71	100
NPLK303	30x30x3	2000	3x30	10x20	40	11,5	2,153	100
NPLK403-L	40x40x2,5	2000	2,5x40	12,5x25	40	13	2,305	100
NPLK403	40x40x3	2000	3x40	12,5x25	40	13	2,751	100
NPLK404	40x40x4	2000	4x40	12,5x25	40	13	3,594	100
NPLK503	50x50x3	2000	3x50	12,5x25	40	15	3,839	100
NPLK504	50x50x4	2000	4x50	12,5x25	40	15	4,81	100

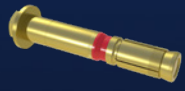
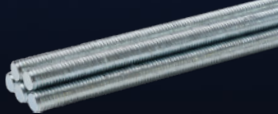
PERFORATED C-CHANNEL

APPLICATION Used as a multipurpose suspension, support and fastening element.



PRODUCT CODE	SIZE	L (mm)	A (mm)	SxB (mm)	Z (mm)	E1xF1 (mm)	E2xF2 (mm)	C (mm)
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
NPCK1827124000	18x27x1,25	4000	18	1,25x27	14	8,5x25	12x15	40
NPCK2830174000	28x30x1,75	4000	28	1,75x30	14	9x25	12x15	40
NPCK3840204000	38x40x2	4000	38	2x40	16,5	9x25	12x15	40

INSTALLATION EQUIPMENT

A/C MOUNTING SCREW & ANCHOR SET	
HOLLOW-BRICK WALL PLUG	
PLASTIC WALL PLUG	
DROP-IN ANCHOR	
SLEEVE ANCHOR	
TUBULAR ANCHOR	
WEDGE ANCHOR	
HOOK ANCHOR	
HEAVY-DUTY ANCHOR	
S-TYPE EXPANSION ANCHOR	
SUSPENDED CEILING ANCHOR	
THREADED ROD	
NUT / WASHER	





📍 Velimeşe OSB. Mah. 3. Yanyol Cad.
No:5/2 Velimeşe Ergene/ Tekirdağ/ TÜRKİYE
☎ +90 212 558 05 95
✉ info@anadolubakir.com
🌐 www.anadolubakir.com
🌐 www.ottocool.com