

180° BEND CONNECTION KIT for INDOOR UNITS (SPLIT-SYSTEM) - Female SAE Swivel Nut with Long Tan Copper Gasket x Male SAE Flare

It is used for an easy and quick tubing connection into the embedded box. Normally we have : on the right side of the embedded box the condensate draining pipe and almost in all cases on the left side the refrigerant copper tubing (liquid / gas). With the 180° Bend Connection Kit it is possible to have one single right side for both lines, where it is simple and economic for building works (condensate drain pipe and refrigerant lines).

- 20% smaller (in length) than other models on the market;
- Annealed copper tube with higher wall thickness also for R-410a refrigerant application equipments;
- One brass ending with hex Male SAE flare;
- Brass hex swivel Nut Female SAE. Bush with replaceable Long Tan Copper Gasket (easy connection in every position);
- In order to have a new installation it is enough the change only of the Long Tan Copper Gasket;
- For indoor units (DX Fan-Coils) Split-Systems, only Cooling and Heat Pumps, with Capacity of 7.000 ÷ 36.000 Btu/h (2,05 ÷ 10,54 Kw);
- Thermal insulation tape with cork which prevents condensation drips (included).

Flare Fittings Distance : 2,3" (60 mm.) approx

NOTE : Heating the copper tube until anneal (soften) in order to avoid the risk of collapse of the tube wall compromising the sealing flaring. Apply dry Nitrogen flow at 3,3 ÷ 7,2 Psi (0,3 ÷ 0,5 Bar) to prevent oxide formation on the inner surface of the tubes. (Use Heat Barrier Spray Gel Model HBS-32 to protect the plastic embedded box and thermal insulation of copper tubing).

How to install :

1. Screw on by hand the Swivel Nut with bush and without the Long Tan Copper Gasket on the Fan-Coil Indoor Unit connection in order to have the exact measure of the tube before cutting it. Cut the tube using a wheel cutter and remove internal burrs. Place the Long Tan Copper Gasket in its seat and screw on by hand the adapter on the Male SAE Flare end of the indoor unit. Adjust the adapter's position so that the Male ending is easily accessible. Tighten down the Swivel Flare Nut using two wrenches (refer to Equipments Manufacturer for proper settings of Torque Wrenches). Repeat the process for the other adapter;
2. Push the union nut (delivery with the indoor unit) over the tube and flare it at 45°. Screw on by hand the Swivel Nut. Tighten down the Swivel Flare Nut using two wrenches (refer to Equipments Manufacturer for proper settings of Torque Wrenches). Repeat the process for the other adapter;
3. Apply the Cork Insulation Tape (included) on the copper tubing and fittings.



CORK INSULATION TAPE (included)



W06 4 6SFF

Model	Description
W06 4 6SFF	180° Bend Connection Kit 1/4" (7/16" 20UNF) Female SAE Swivel Nut with Long Tan Copper Gasket x 1/4" (7/16" 20UNF) Male SAE flare + 3/8" (5/8" 18UNF) Female SAE Swivel Nut with Long Tan Copper Gasket x 3/8" (5/8" 18UNF) Male SAE flare.

W06 4 8SFF	1/4" (7/16" 20UNF) F. SAE w/Long Tan Copper Gasket x 1/4" M. SAE flare + 1/2" (3/4" 16UNF) F. SAE w/Long Tan Copper Gasket x 1/2" M. SAE flare.
W06 410SFF	1/4" (7/16" 20UNF) F. SAE w/Long Tan Copper Gasket x 1/4" M. SAE flare + 5/8" (7/8" 14UNF) F. SAE w/Long Tan Copper Gasket x 5/8" M. SAE flare.
W06 610SFF	3/8" (5/8" 18UNF) F. SAE w/Long Tan Copper Gasket x 3/8" M. SAE flare + 5/8" (7/8" 14UNF) F. SAE w/Long Tan Copper Gasket x 5/8" M. SAE flare.
Spare Parts	
B3- 4	Long Tan Copper Gasket for 1/4" (7/16" 20UNF) Female SAE Swivel Nut.
B3- 6	3/8" (5/8" 18UNF) F. SAE Swivel Nut.
B3- 8	1/2" (3/4" 16UNF) F. SAE Swivel Nut.
B3-10	5/8" (7/8" 14UNF) F. SAE Swivel Nut.

180° BEND CONNECTION KIT for INDOOR UNITS (SPLIT-SYSTEM) - Female SAE Swivel Nut with Long Tan Copper Gasket x ODS Solder type

Same as W06 4 6SFF, W06 4 8SFF, W06 410SFF, W06 610SFF except one end ODS Solder type, copper to copper.

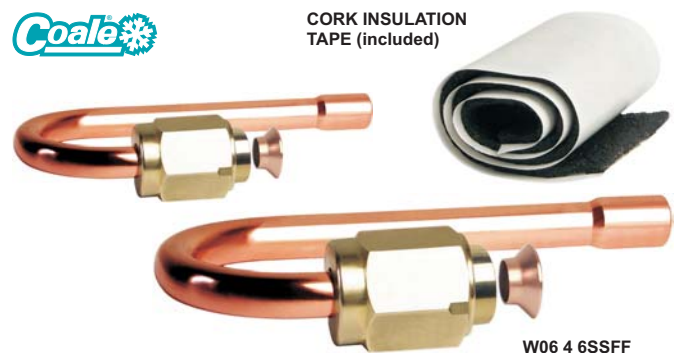
- Thermal insulation tape with cork which prevents condensation drips (included).

How to install :

1. Screw on by hand the Swivel Nut with bush and without the Long Tan Copper Gasket on the Fan-Coil Indoor Unit connection in order to have the exact measure of the tube before cutting it. Cut the tube using a wheel cutter and remove internal burrs. Place the Long Tan Copper Gasket in its seat and screw on by hand the adapter on the Male SAE Flare end of the indoor unit. Adjust the adapter's position so that the expanded ending is easily accessible for brazing. Tighten down the Swivel Flare Nut using two wrenches (refer to Equipments Manufacturer for proper settings of Torque Wrenches). Repeat the process for the other adapter;
2. Put the end of the existing tube and expanded pipe together. Use Heat Barrier Spray Gel Model HBS-32 to protect the plastic embedded box and thermal insulation of copper tubing. During brazing process apply dry Nitrogen flow at 3,3 ÷ 7,2 Psi (0,3 ÷ 0,5 Bar) to prevent oxide formation on the inner surface of the tubes. Use Phos-Copper Brazing Alloy with 5% Ag. - Silver content (No flux is required);
3. Apply the Cork Insulation Tape (included) on the copper tubing and fittings.



CORK INSULATION TAPE (included)



W06 4 6SSFF

Model	Description
W06 4 6SSFF	180° Bend Connection Kit 1/4" (7/16" 20UNF) Female SAE Swivel Nut with Long Tan Copper Gasket x 1/4" ODS solder + 3/8" (5/8" 18UNF) Female SAE Swivel Nut with Long Tan Copper Gasket x 3/8" ODS solder. Cork Insulation Tape.
W06 4 8SSFF	1/4" (7/16" 20UNF) F. SAE w/Long Tan Copper Gasket x 1/4" ODS solder + 1/2" (3/4" 16UNF) F. SAE w/Long Tan Copper Gasket x 3/8" ODS solder. Cork Insulation Tape.

180° BEND CONNECTION KIT for INDOOR UNITS (SPLIT-SYSTEM)

W06 410SSFF	1/4" (7/16" 20UNF) F. SAE w/Long Tan Copper Gasket x 1/4" ODS solder + 5/8" (7/8" 14UNF) F. SAE w/Long Tan Copper Gasket x 5/8" ODS solder. Cork Insulation Tape.
W06 610SSFF	3/8" (5/8" 18UNF) F. SAE w/Long Tan Copper Gasket x 3/8" ODS solder + 5/8" (7/8" 14UNF) F. SAE w/Long Tan Copper Gasket x 5/8" ODS solder. Cork Insulation Tape.
Spare Parts	
B3- 4	Long Tan Copper Gasket for 1/4" (7/16" 20UNF) Female SAE Swivel Nut.
B3- 6	3/8" (5/8" 18UNF) F. SAE Swivel Nut.
B3- 8	1/2" (3/4" 16UNF) F. SAE Swivel Nut.
B3-10	5/8" (7/8" 14UNF) F. SAE Swivel Nut.