



FULL CATALOGUE

FLEXIBLE THERMOPLASTIC HOSES AND FITTINGS FOR HVACR

the preferred flexible choice for all pressure switches,
manometers and oil line connections

**the market leading brand of
thermoplastic hose and fittings
designed specifically for Air
Conditioning and Refrigeration
systems**



G O M A X[®]

QUADRA[®] SYSTEM

APPLICATIONS



QUADRA:  DN2
QUADRA:  DN4
QUADRA:  DN6
QUADRA:  PACKAGES
QUADRA:  ACCESSORIES

The **QUADRA DN2** flexible thermoplastic capillary hose, in two colors orange and black, represent the most efficient and developed system for the connection of pressure gauges, pressure switches and pressure test points.

Transfer Oil advice the standardization of use of the **QUADRA DN2** hose, choosing the orange color for the high pressure circuits and the black color for the low pressure circuits, so identifying in an unambiguous way the two parts of the circuit.

This reduces the possibilities of misconnections of the two pressure lines of the machine during production and maintenance.


The extraordinary number of **QUADRA DN2** fittings covers all possible types of installations, making the need of copper rigid tubes and capillaries unnecessary.


QUADRA DN2 hoses and fittings can be easily assembled using the specific QUADRA hand pliers RXA007, or the all new ELECTRIC PLIER RXA011-RXA012.



TECHNICAL DATA

PERFORMANCE and condition of use



non UL part number		part number 		DN	OD	BEND RADIUS	CRIMPING DIAMETER		
50m	10m	50m	10m	mm	mm	mm	Ø mm		
0780C 0780BC	0780K 0780BK	0380C 0380BC	0380K 0380BK	DN2	6,1	10	7±0,1	NA	7 -0,2 7 +0,1

WP			BP			WT	
bar	MPa	psi	bar	MPa	psi	min °C	max °C
120	12,0	1740	600	60	8700	-45°	+130°

PERMITTED FLUIDS

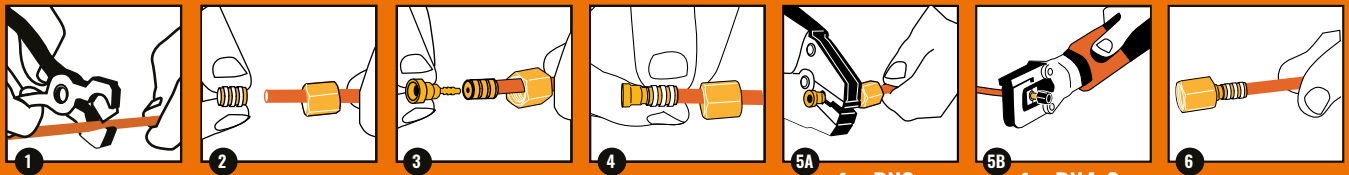
Type of Gas	Type of Oil
HFC (R134a, R404A, R407A, R407B, R407C, R410A, R507)	polyol ester based
HCFC (R22)	mineral oils
R744	polyol ester based

Classification of QUADRA capillary hoses

according to Directive 97/23/CE

PART NUMBER	CLASSIFICATION
0780C 0780BC 0780K 0780BK	paragraph 3 article 3

Assembly instructions for crimping fittings for QUADRA DN2 capillary hose



Cut the QUADRA capillary hose to the required length using the special WXA004 cutter

Slip the nut over the hose (depending on fitting type). Ensure that the threaded side is pointing towards the end of the hose that needs the assembling.

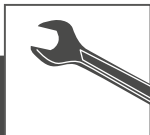
When pushing the ferrule over the hose end, ensure its correct positioning, in line with the hose end. Push the insert into the hose end you want to assemble.

Pay attention not to move the components already fitted and slide the ferrule over the hose towards the insert positioning it in line with the insert.

Crimp the ferrule with our hand pliers type RXA007, up to the limit stop of the pliers: once the optimal deformation has been achieved the pliers will open automatically.

Crimp the ferrule using our pliers cod. RXA010. The deformation is achieved when the plier release.

The assembling is finished and the eventual nut can easily slide over the ferrule: check the correct positioning of the components and make sure the entire surface of the ferrule has been swaged.

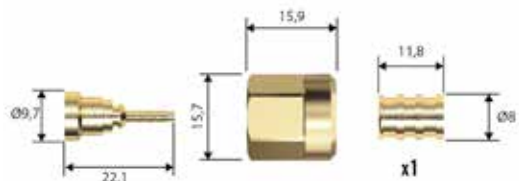


Note:

Once the hose has been installed in the system, do not move or rotate it, to avoid unscrewing of the nut or damaging the fitting and the risk of leakage. Do not exceed maximum performance limits. Respect the nut torque value: - Torque wrench 14 7/16"-20 UNF for 1/4" SAE connections | 16 ÷ 18 N-m. Do not exceed 20 N-m - Torque wrench 22 5/8"-18 UNF for 3/8" SAE connections | 30 ÷ 32 N-m. Do not exceed 34 N-m.

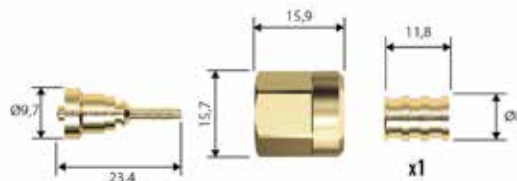
QUADRA: DN2
 QUADRA: DN4
 QUADRA: DN6
 QUADRA: PACKAGES
 QUADRA: ACCESSORIES

1/4 SAE Straight Female Fitting



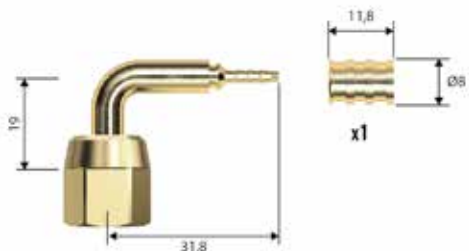
Part number	XBA02C	WBA02C	KBA02C
Pack	50 pcs	50 pcs	10 pcs
Copper gasket			

1/4 SAE Straight Female Fitting + Valve Opener



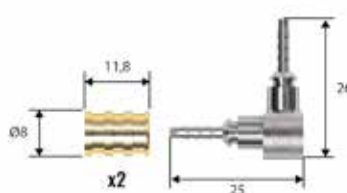
Part number	XBB02C	WBB02C	KBB02C
Pack	50 pcs	50 pcs	10 pcs
Copper gasket			

1/4 SAE Female Elbow 90° Fitting



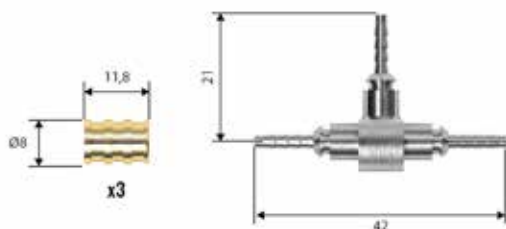
Part number	XCA02C	WCA02C	KCA02C
Pack	50 pcs	50 pcs	10 pcs
Copper gasket			

Elbow Fitting 90°



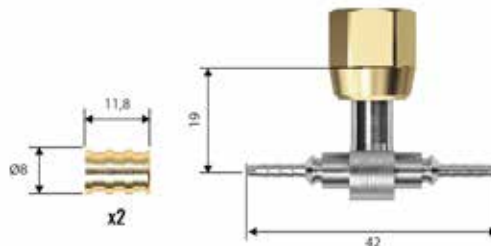
Part number		WPD2C1	KPD2C1
Pack		50 pcs	10 pcs
Copper gasket			

"T" Fitting



Part number		WPBOC1	KPBOC1
Pack		50 pcs	10 pcs
Copper gasket			

"T" Fitting with One Female 1/4 SAE



Part number	XPBOC2	WPBOC2	KPBOC2
Pack	50 pcs	50 pcs	10 pcs
Copper gasket			

QUADRA: DN2

QUADRA: DN4

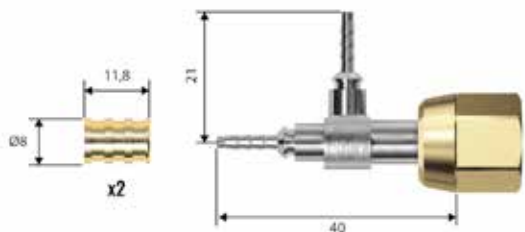
QUADRA: DN6

QUADRA: PACKAGES

QUADRA: ACCESSORIES

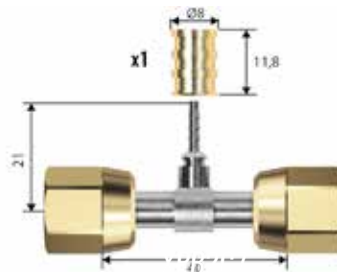
QUADRA DN2 fittings

“T” Fitting With One Female 1/4 SAE



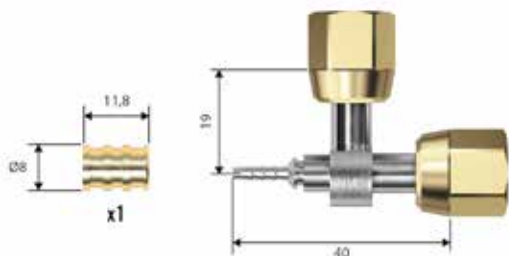
Part number	XPB2C4	WPB2C4	KPB2C4
Pack	50 pcs	50 pcs	10 pcs
Copper gasket			

“T” Fitting With 2 Females 1/4 SAE At 180°



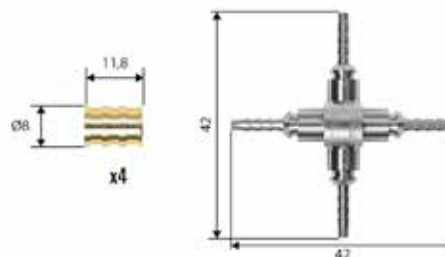
Part number	XPB2C3	WPB2C3	KPB2C3
Pack	50 pcs	50 pcs	10 pcs
Copper gasket			

“T” Fitting With 2 Females 1/4 SAE at 90°



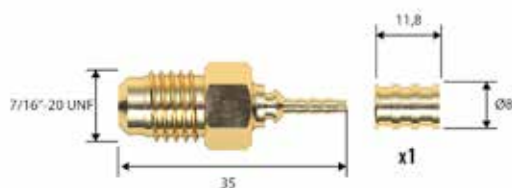
Part number	XPB2C7	WPB2C7	KPB2C7
Pack	50 pcs	50 pcs	10 pcs
Copper gasket			

Cross Fitting



Part number		WPA2C1	KPA2C1
Pack		50 pcs	10 pcs
Copper gasket			

1/4 SAE Straight Male



Part number		WDN22C	KDN22C
Pack		50 pcs	10 pcs
Copper gasket			

Copper Brazing Fitting (4x6x100 mm)



Part number		WZE2C1	
Pack		50 pcs	
Copper gasket			

We are glad to introduce our **NEW QUADRA CASE**. As we are aware that dimensions and comfort matters when we are talking about work, the new QUADRA case is now a briefcase and features a sturdy outer case with a new foam inner divider for the different tools and boxes. Boxes can individually be removed and easily taken to the workstation.

The full case has new part number W00005 and includes more items than before:

- 10 meters of QUADRA DN2 ORANGE HOSE
- 10 meters of QUADRA DN2 BLACK HOSE
- 1 pcs of QUADRA HAND PLIER DN2
- 1 pcs of CUTTER
- 2 pcs of BLADES FOR CUTTER
- 20 pcs of DN2 STRAIGHT FEMALE
- 20 pcs of DN2 STRAIGHT FEMALE WITH VALVE
- 10 pcs of DN2 ELBOW 90° FEMALE 1/4 SAE(7/16 UN) P
- 10 pcs of DN2 "TEE"
- 10 pcs of DN2 "TEE" FITTING WITH 1 FEMALE 1/4 SAE
- 50 pcs of COPPER GASKET 1/4 SAE DN2 -DN4
- 50 pcs of REMOVABLE VALVE OPENER -DN2
- 10 pcs of DN2 MALE 1/4 (7/16-20 UNF)
- 4 pcs of DN2 CROSS FITTING
- 2 pcs of DN2 COPPER BRAZING TUBE MALE
- 5 pcs of DN2 "TEE" FITTING WITH 2 FEMALES 1/4 SAE AT 180°

The empty case can be ordered with new part number MR293.



W00005

Complete

MR293

Empty

