



Connection sets

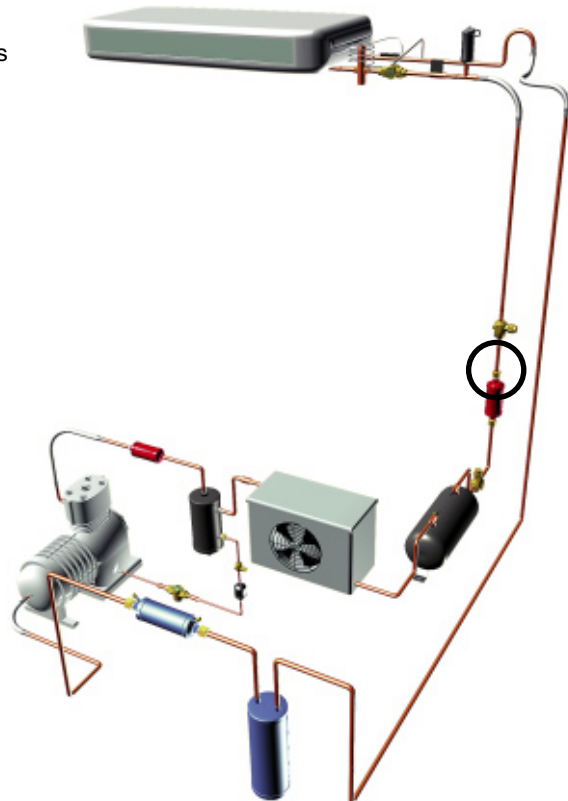
DTGB - 71.1-1-1-10

→ KRCY

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■ Applications

- The connection sets can be used with all line components equipped with SAE connections to screw, in refrigerating and air conditioning installations.
- They ensure perfect air-tightness, even after several replacements of components, and facilitate maintenance conditions.



■ Functional features

- Products are compatible with HFCs, HCFCs, CFCs, as well as with their associated oils and additives. Products are designed for use of non-hazardous refrigerants from group 2 of PED 97/23/EC.
- Product classification in CE categories is performed using the PED 97/23/EC table, corresponding to a nominal diameter-based selection.
- The connection sets are composed of a brass dudgeon, a brass nut and a guided copper ring (except KRCY 6 S/MMS).
- The dudgeon is brazed on the piping on one side and the nut is screwed on a component on the other; the guided copper ring is positioned at the end of the dudgeon, in a specifically designed housing.
- For each model, connection sets are supplied in plastic bags containing 10 complete sets each.

■ CARLY advantages

- Compared with a traditional mounting (dudgeon on copper piping), the connection sets:
 - ensure higher air tightness
 - increase the connection's reliability in time
 - allow numerous mountings and removals of components, without work hardening or rupture of the piping dudgeon, which are major sources of refrigerant leaks
 - facilitate component replacement operations: the copper ring is the only part to replace, compared with a classic piping without KRCY (easy and cheap).
- GOST certified products.



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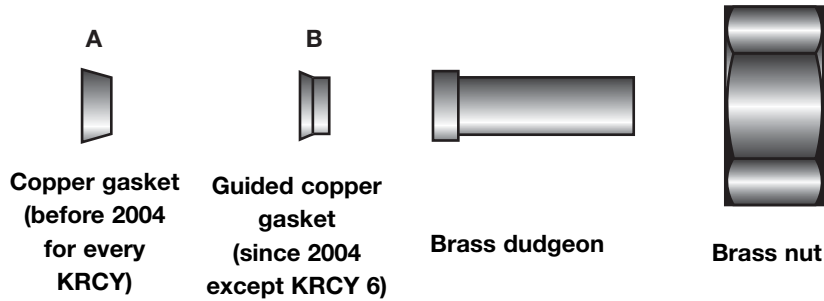
■ Recommendations

* When mounting the connection sets, it is imperative to ensure a good positioning of the copper rings in their housing, in order to not deform them abnormally during tightening.

* It is imperative to respect the tightening torques listed in the table below.

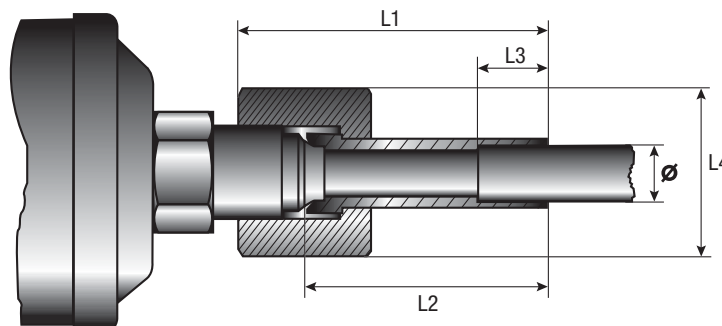
* After each removal, imperatively replace the copper gaskets.

* General assembly precautions: refer to chapter 115.



■ Technical features

CARLY references	Connections		CARLY references	Connections		Type of copper gaskets	Dimensions (mm)				Maximal torque (N.m)	Net weight (kg)
	To screw SAE inch	To solder ODF inch		To screw SAE inch	To solder ODF mm		L1	L2	L3	L4 upper faces		
KRCY 2 S	1/4	1/4	KRCY 2 MMS	1/4	6	B	36,3	27	8,0	19	20	0,040
KRCY 3 S	3/8	3/8	KRCY 3 MMS	3/8	10	B	41,0	31	11,7	24	45	0,065
KRCY 4 S	1/2	1/2	KRCY 4 MMS	1/2	12	B	46,0	33	11,7	27	60	0,090
KRCY 5 S/MMS	5/8	5/8	KRCY 5 S/MMS	5/8	16	B	50,5	35	15,0	30	80	0,115
KRCY 6 S	3/4 BSP	3/4	KRCY 6 MMS	3/4 BSP	18	A	55,0	37	15,0	36	85	0,185
KRCY 23 S	3/8	1/4	KRCY 23 MMS	3/8	6	B	37,0	27	8,0	24	45	0,070
KRCY 34 S	1/2	3/8	KRCY 34 MMS	1/2	10	B	44,0	31	11,7	27	60	0,100
KRCY 45 S	5/8	1/2	KRCY 45 MMS	5/8	12	B	48,5	33	15,0	30	80	0,130





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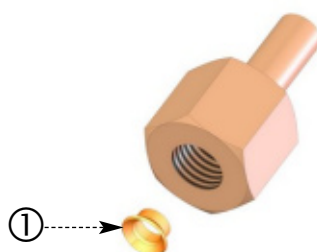
CARLY references	Nominal diameter	CARLY references	Nominal diameter	Maximal working pressure	Working pressure (1)	Maximal working temperature	Minimal working temperature	Working temperature (1)	CE Category (2)
	DN (inch)		DN (mm)						
KRCY 2 S	1/4	KRCY 2 MMS	6	42	10	120	-40	-20	Art3§3
KRCY 3 S	3/8	KRCY 3 MMS	10	42	10	120	-40	-20	Art3§3
KRCY 4 S	1/2	KRCY 4 MMS	12	42	10	120	-40	-20	Art3§3
KRCY 5 S/MMS	5/8	KRCY 5 S/MMS	16	42	10	120	-40	-20	Art3§3
KRCY 6 S	3/4	KRCY 6 MMS	18	42	10	120	-40	-20	Art3§3
KRCY 23 S	1/4	KRCY 23 MMS	6	42	10	120	-40	-20	Art3§3
KRCY 34 S	3/8	KRCY 34 MMS	10	42	10	120	-40	-20	Art3§3
KRCY 45 S	1/2	KRCY 45 MMS	12	42	10	120	-40	-20	Art3§3

(1) The working pressure is limited to the PS BT value when working temperature is lower than or equal to TS BT value.

(2) Classification by diameter, according to PED 97/23/EC (refer to chapter 0 page 7).

■ Spare parts

CARLY references	Part Nb	Description	Types	Quantity
CY 15590010	1	Set of 25 copper taper gaskets for 1/4" SAE connection	2 S/MMS before 2004	1
CY 15590015	1	Set of 25 guided taper copper gaskets for 1/4" SAE connection	2 S/MMS after 2004	1
CY 15590020	1	Set of 25 copper taper gaskets for 3/8" SAE connection	3 S/MMS - 23 S/MMS before 2004	1
CY 15590025	1	Set of 25 guided taper copper gaskets for 3/8" SAE connection	3 S/MMS - 23 S/MMS after 2004	1
CY 15590030	1	Set of 25 copper taper gaskets for 1/2" SAE connection	4 S/MMS - 34 S/MMS before 2004	1
CY 15590035	1	Set of 25 guided taper copper gaskets for 1/2" SAE connection	4 S/MMS - 34 S/MMS after 2004	1
CY 15590040	1	Set of 25 copper taper gaskets for 5/8" SAE connection	5 S/MMS - 45 S/MMS before 2004	1
CY 15590045	1	Set of 25 guided taper copper gaskets for 5/8" SAE connection	5 S/MMS - 45 S/MMS after 2004	1
CY 15590050	1	Set of 25 copper taper gaskets for 3/4" SAE connection	6 S/MMS	1





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■ Weights and packaging

CARLY references	Unit weight (kg)		Packaging unit	
	With packaging	Without packaging	standard	OEM'S
KRCY 2 S et MMS	0,041	0,040	10	100
KRCY 3 S & MMS	0,066	0,065	10	100
KRCY 4 S et MMS	0,091	0,090	10	100
KRCY 5 S/MMS	0,116	0,115	10	100

CARLY references	Unit weight (kg)		Packaging unit	
	With packaging	Without packaging	standard	OEM'S
KRCY 6 S & MMS	0,186	0,185	10	100
KRCY 23 S & MMS	0,071	0,070	10	100
KRCY 34 S & MMS	0,101	0,100	10	100
KRCY 45 S & MMS	0,131	0,130	10	100