

## Lawton K65

### The tube system for high pressure applications

In refrigeration, and in particular in the area of supermarket refrigeration systems, more and more ecology-oriented plant concepts are being implemented.

The modern, environment-friendly refrigerant CO<sup>2</sup> that is used here leads to high operating pressures. For these applications the new K65 tube system is available.

Tubes and fittings are made of the high-strength copper alloy K65 which has already been used with success in electrical engineering and the automotive industry. K65 allows economical installation of refrigeration systems with operating pressures up to 120 bar.

K65 has good processing properties which are similar to those of copper. K65 tubes may be brazed to K65 fittings in the traditional way. K65 fittings are manufactured by IBP Conex. Safety ensured by two well-known manufacturers K65 tubes and K65 fittings fall under a joint system guarantee that includes CO<sup>2</sup> applications up to 120 bar for the items listed.

#### Easy to identify – even after installation

K65 tubes and fittings are marked appropriately, so that the system components can be clearly identified at all times. In addition, the material is slightly magnetic and can easily be distinguished from copper by means of a neodymium magnet – a helpful, practical advantage.

#### Economical

The main advantage is the mechanical strength of K65. Because of the high strength of the material, the K65 product can be made with comparatively thinner walls. The light weight of tubes made of K65 means not only a saving in material, but also easier handling, for example when mounting the tubes on ceilings.



K65 Tubes for CO<sup>2</sup> Applications

OD (inches)	80 bar available in 5 metre lengths	120 bar available in 6 metre lengths
3/8"		•
1/2"	•	•
5/8"	•	•
3/4"	•	•
7/8"	•	•
1.1/8"	•	•
1.3/8"	•	•
1.5/8"	•	•
2.1/8"	•	•

Further dimensions for industrial applications, and also for other pressures, are available according to customer specifications. Changes in surface colour are possible with this material. However, these changes are purely optical and will not affect the technical performance.



### K65 Fittings

#### K65 90 Degree Long Radius Elbow



Part Code	Size	Bar	Bag	Box
K65ELLR38	3/8"	120	5	100
K65ELLR12	1/2"	120	5	100
K65ELLR58	5/8"	120	5	100
K65ELLR34	3/4"	120	5	100
K65ELLR78	7/8"	120	5	100
K65ELLR1.18	1.1/8"	120	5	100
K65ELLR1.38	1.3/8"	120	1	30
K65ELLR1.58	1.5/8"	120	1	20
K65ELLR2.18	2.1/8"	120	1	10



#### K65 90 Degree Long Radius Street Elbow

K65ELLRS38	3/8"	120	5	100
K65ELLRS12	1/2"	120	5	100
K65ELLRS58	5/8"	120	5	100
K65ELLRS34	3/4"	120	5	100
K65ELLRS78	7/8"	120	5	100
K65ELLRS1.18	1.1/8"	120	5	100
K65ELLRS1.38	1.3/8"	120	1	30
K65ELLRS1.58	1.5/8"	120	1	20
K65ELLRS2.18	2.1/8"	120	1	10



#### K65 45 Degree Elbow

K65EL45/38	3/8"	120	5	100
K65EL45/12	1/2"	120	5	100
K65EL45/58	5/8"	120	5	100
K65EL45/34	3/4"	120	5	100
K65EL45/78	7/8"	120	5	100
K65EL45/1.18	1.1/8"	120	5	100
K65EL45/1.38	1.3/8"	120	1	30
K65EL45/1.58	1.5/8"	120	1	20



#### K65 45 Degree Street Elbow

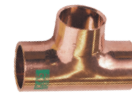
K65ELS45/34	3/4"	120	5	100
K65ELS45/78	7/8"	120	5	100
K65ELS45/1.18	1.1/8"	120	5	100
K65ELS45/1.38	1.3/8"	120	1	30
K65ELS45/1.58	1.5/8"	120	1	20



#### K65 Reducing Tee



Part Code	Size	Bar	Bag	Box
K65TE12X12X38	1/2" x 1/2" x 3/8"	120	5	100
K65TE12X38X38	1/2" x 3/8" x 3/8"	120	5	100
K65TE58X58X38	5/8" x 5/8" x 3/8"	120	5	100
K65TE58X58X12	5/8" x 5/8" x 1/2"	120	5	100
K65TE58X12X12	5/8" x 1/2" x 1/2"	120	5	100
K65TE34X34X58	3/4" x 3/4" x 5/8"	120	5	100
K65TE34X34X12	3/4" x 3/4" x 1/2"	120	5	100
K65TE78X78X12	7/8" x 7/8" x 1/2"	120	5	20
K65TE78X78X58	7/8" x 7/8" x 5/8"	120	5	100
K65TE78X78X34	7/8" x 7/8" x 3/4"	120	5	100
K65TE1.18X1.18X34	1.1/8" x 1.1/8" x 3/4"	120	5	100
K65TE1.18X1.18X78	1.1/8" x 1.1/8" x 7/8"	120	5	100
K65TE1.18X78X12	1.1/8" x 7/8" x 1/2"	120	5	100
K65TE1.38X1.38X34	1.3/8" x 1.3/8" x 3/4"	120	5	30
K65TE1.38X1.38X78	1.3/8" x 1.3/8" x 7/8"	120	5	30
K65TE1.38X1.38X1.18	1.3/8" x 1.3/8" x 1.1/8"	120	1	20
K65TE1.58X1.58X34	1.5/8" x 1.5/8" x 3/4"	120	1	20
K65TE1.58X1.58X78	1.5/8" x 1.5/8" x 7/8"	120	1	20
K65TE1.58X1.58X1.18	1.5/8" x 1.5/8" x 1.1/8"	120	1	20
K65TE2.18X2.18X1.58	2.1/8" x 2.1/8" x 1.5/8"	120	1	15



#### K65 Equal Tee

K65TE38	3/8"	120	5	100
K65TE12	1/2"	120	5	100
K65TE58	5/8"	120	5	100
K65TE34	3/4"	120	5	100
K65TE78	7/8"	120	5	100
K65TE1.18	1.1/8"	120	5	100
K65TE1.38	1.3/8"	120	1	30
K65TE1.58	1.5/8"	120	1	20
K65TE2.18	2.1/8"	120	1	15



#### K65 Fitting Reducer

K65RED12X38	1/2" X 3/8"	120	5	100
K65RED58X38	5/8" X 3/8"	120	5	100
K65RED58X12	5/8" X 1/2"	120	5	100
K65RED34X38	3/4" X 3/8"	120	5	100
K65RED34X12	3/4" X 1/2"	120	5	100
K65RED34X58	3/4" X 5/8"	120	5	100
K65RED78X38	7/8" X 3/8"	120	5	100
K65RED78X12	7/8" X 1/2"	120	5	100
K65RED78X58	7/8" X 5/8"	120	5	100
K65RED78X34	7/8" X 3/4"	120	5	100
K65RED1.18X12	1.1/8" X 1/2"	120	5	100
K65RED1.18X58	1.1/8" X 5/8"	120	5	100
K65RED1.18X34	1.1/8" X 3/4"	120	5	100
K65RED1.18X78	1.1/8" X 7/8"	120	5	100
K65RED1.38X1.18	1.3/8" X 1.1/8"	120	1	60
K65RED1.58X78	1.5/8" X 7/8"	120	1	30
K65RED1.58X1.38	1.5/8" X 1.3/8"	120	1	60
K65RED2.18X1.58	2.1/8" X 1.5/8"	120	1	30

## K65 Couplings



Part Code	Size	Bar	Bag	Box
K65CP38	3/8"	120	5	100
K65CP12	1/2"	120	5	100
K65CP58	5/8"	120	5	100
K65CP34	3/4"	120	5	100
K65CP78	7/8"	120	5	100
K65CP1.18	1.1/8"	120	5	100
K65CP1.38	1.3/8"	120	5	60
K65CP1.58	1.5/8"	120	5	30
K65CP2.18	2.1/8"	120	5	30
K65CP12X38	1/2" X 3/8"	120	5	100
K65CP58X12	5/8" X 1/2"	120	5	100
K65CP34X58	3/4" X 5/8"	120	5	100
K65CP78X34	7/8" X 3/4"	120	5	100
K65CP1.18X12	1.1/8" X 1/2"	120	5	100
K65CP1.18X78	1.1/8" X 7/8"	120	5	100
K65CP1.38X12	1.3/8" X 1/2"	120	1	60
K65CP1.38X58	1.3/8" X 5/8"	120	1	60
K65CP1.38X34	1.3/8" X 3/4"	120	1	60
K65CP1.38X78	1.3/8" X 7/8"	120	1	60
K65CP1.38X1.18	1.3/8" X 1.1/8"	120	1	60
K65CP1.58X34	1.5/8" X 3/4"	120	1	30
K65CP1.58X78	1.5/8" X 7/8"	120	1	30
K65CP1.58X1.18	1.5/8" X 1.1/8"	120	1	30
K65CP1.58X1.38	1.5/8" X 1.3/8"	120	1	30
K65CP2.18X1.58	2.1/8" X 1.5/8"	120	1	30

## K65 End Cap



K65EC38	3/8"	120	5	100
K65EC12	1/2"	120	5	100
K65EC58	5/8"	120	5	100
K65EC34	3/4"	120	5	100
K65EC78	7/8"	120	5	100
K65EC1.18	1.1/8"	120	5	100
K65EC1.38	1.3/8"	120	5	60
K65EC1.58	1.5/8"	120	1	30
K65EC2.18	2.1/8"	120	1	30