

K65 Refrigeration Fittings Data Sheet



Lawton K65 Fittings	3/8" - 2.5/8"
Applications	High Pressure Air Conditioning and Refrigeration Piping Systems, CO ₂ Supermarket Refrigeration, Heating and Solar Engineering
Market Segment	Commercial and Industrial
Material	Wieland K65, CuFe2P (CW107C), produced from Wieland K65 tube
End Configuration	Capillary brazing ends
Maximum Working Pressure	130 bar
Service Temperature Range	-196 °C to +150 °C
Joining	Brazing, using a silver brazing filler of minimum 2 % Ag, by professional processing
Dimensional Standard	ASME B16.22
Dimensions	See Webpage
Material Standards	EN 12449, VdTUV Material Data Sheet 567
Design Standards	EN 12735-1, EN 12735-2, EN 378-1, EN 378-2, EN 14276-1, EN 14276-2, AD 2000-Merkblatt W 0 and W 6/2
Product Marking	>B< K65, (dim.), 130 BAR
Material Identification	Slightly magnetic, and so distinguished from copper with a strong magnet, including after installation
Guarantee	75 Years (See website for full T&Cs)

Material Mechanical Properties

For mechanical properties of the K65 material see K65 Tube Datasheet.

Material Composition

Element	Min (%)	Max (%)
Copper (Cu)	Rem.	-
Iron (Fe)	2.100	2.600
Phosphorus (P)	0.015	0.150
Zinc (Zn)	0.050	0.200
Lead (Pb)	-	0.030
Others, total	-	0.200

Size Designation

K65 Fitting Nominal Size	Tube O.D. (mm)	ASME B16.22 Nominal (standard water tube size)	Item No. size code (eighths of an inch)
3/8"	9.52	1/4"	003
1/2"	12.7	3/8"	004
5/8"	15.87	1/2"	005
3/4"	19.05	5/8"	006
7/8"	22.23	3/4"	007
1 1/8"	28.57	1"	009
1 3/8"	34.92	1 1/4"	011
1 5/8"	41.27	1 1/2"	013
2 1/8"	53.97	2"	017
2 5/8"	66.67	2 1/2"	021

For more details, please refer to our website or contact us by e-mail at technical@lawtontubes.co.uk