



## Chilled Water Clamp LKS 13

Group: 1255

### Application

Suitable for secure prevention of condensation water at the pipe support location of refrigeration and cold-water pipelines. An optimal diffusion-tight connection with the pipe insulation is easily and safely achieved by fixing usual insulation materials to the clamp faces using adhesive. Recommended up to  $-0^{\circ}\text{C}$  at normal ambient condition.

### Scope of delivery

Consisting of pipe clamp and insulation insert. The one-piece insulation insert comprising two joined PUR elements forms a comprehensive connection between PUR element and pipe clamp all around the pipe. The outer edges of the PUR elements are equipped with elastomer foam and coated by a black aluminium foil.

Type	Nominal thickness of the insulation [mm]	Size	Length of PUR element b [mm]
LKS 13	13	10 - 89	50
		102 - 168	100

### Technical Data

The unsupported lengths as listed in DIN 1988 may be applied for types LKS 13 and LKS M 19 to 168.

The regulations of DIN 4140 have to be respected (an existing gap has to be sealed with sealant). Sealant DP 30/45 see Chapter "Fixed Point Packages".

Clamp material:	Steel, electro-galvanised
Insulation insert:	Free of halogens
PUR core:	Specific gravity 80 or 120 $\text{kg/m}^3$
Thermal conductivity:	$\lambda = 0.024 - 0.026 \text{ W/(mK)}$ at $0^{\circ}\text{C}$
	$\lambda = 0.038 \text{ W/(mK)}$ at $10^{\circ}\text{C}$
	$\lambda = 0.040 \text{ W/(mK)}$ at $40^{\circ}\text{C}$
Steam diffusion resistance factor:	$\mu \geq 7000$
Fire resistance:	$E_1$ (DIN EN 13501-1)
Temperature range:	$-40^{\circ}\text{C}$ up to $+105^{\circ}\text{C}$
Insulation insert:	Up to 18 dB(A)
Storage temperature:	$\geq 10^{\circ}\text{C}$
Storage period:	1 year

\* = Delivery time: 10 workdays

Type	Pipe Ø D [mm]	B [mm]	Insulation thickness S [mm]	Thread connection	W [kg]	Quantity [pack]	Part number
LKS 13-10	10.0	68.5	13.0	M8/M10	0.06	48	<b>804043</b>
LKS 13-12	12.0	76.0	13.0	M8/M10	0.06	48	<b>804044</b>
LKS 13-15	15.0	76.0	13.0	M8/M10	0.07	48	<b>114693</b>
LKS 13-16 *	16.0	76.0	13.0	M8/M10	0.07	48	<b>114694</b>
LKS 13-18	18.0	76.0	13.0	M8/M10	0.07	48	<b>114695</b>
LKS 13-20 *	20.0	76.0	13.0	M8/M10	0.08	36	<b>114696</b>
LKS 13-22	22.0	91.5	13.0	M8/M10	0.08	36	<b>114697</b>
LKS 13-25	25.0	91.5	13.0	M8/M10	0.08	30	<b>114698</b>
LKS 13-26 *	26.0	91.5	13.0	M8/M10	0.08	30	<b>114699</b>
LKS 13-28	28.0	99.0	13.5	M8/M10	0.09	30	<b>114700</b>
LKS 13-30	30.0	99.0	13.5	M8/M10	0.09	30	<b>114701</b>
LKS 13-32 *	32.0	99.0	13.5	M8/M10	0.09	30	<b>114702</b>
LKS 13-35	35.0	105.0	13.5	M8/M10	0.09	30	<b>114703</b>
LKS 13-38	38.0	105.0	14.0	M8/M10	0.10	30	<b>114704</b>
LKS 13-40 *	40.0	112.0	14.0	M8/M10	0.10	30	<b>114706</b>
LKS 13-42	42.0	112.0	14.0	M8/M10	0.10	24	<b>114707</b>
LKS 13-44	44.5	112.0	14.0	M8/M10	0.17	24	<b>114708</b>
LKS 13-48	48.3	125.0	14.0	M8/M10	0.17	24	<b>114709</b>
LKS 13-50 *	50.0	134.0	14.0	M8/M10	0.18	24	<b>114710</b>
LKS 13-54	54.0	134.0	14.0	M8/M10	0.19	24	<b>114711</b>
LKS 13-57	57.0	134.0	15.0	M8/M10	0.19	24	<b>114712</b>
LKS 13-60	60.3	141.0	15.0	M8/M10	0.20	24	<b>114713</b>
LKS 13-64	64.0	141.0	15.0	M8/M10	0.20	18	<b>114715</b>
LKS 13-70	70.0	146.5	15.0	M8/M10	0.21	18	<b>114716</b>
LKS 13-76	76.1	151.0	15.0	M8/M10	0.22	18	<b>114717</b>
LKS 13-80	80.0	159.5	15.0	M8/M10	0.23	18	<b>114718</b>
LKS 13-89	88.9	173.0	15.0	M8/M10	0.29	18	<b>114719</b>
LKS 13-102	101.6	186.0	15.5	M8/M10	0.32	6	<b>114720</b>
LKS 13-108	108.0	193.0	15.5	M8/M10	0.34	6	<b>114721</b>
LKS 13-110 *	110.0	193.0	15.5	M8/M10	0.34	6	<b>114722</b>
LKS 13-114	114.3	193.0	15.5	M8/M10	0.35	6	<b>114724</b>
LKS 13-125 *	125.0	215.0	16.0	M8/M10	0.37	6	<b>114725</b>
LKS 13-133	133.0	215.0	16.0	M8/M10	0.39	6	<b>114726</b>
LKS 13-139	139.7	243.0	16.0	M12/M16 <sup>1</sup> / <sub>2</sub> "	1.02	6	<b>114727</b>
LKS 13-160	159.0	265.0	16.0	M12/M16 <sup>1</sup> / <sub>2</sub> "	1.17	6	<b>114728</b>
LKS 13-168	168.3	276.0	16.0	M12/M16 <sup>1</sup> / <sub>2</sub> "	1.22	6	<b>114729</b>