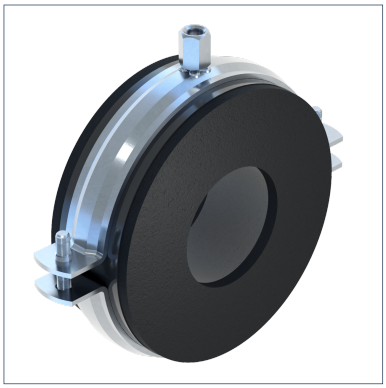
Chilled Water Clamp LKS 32



General Information

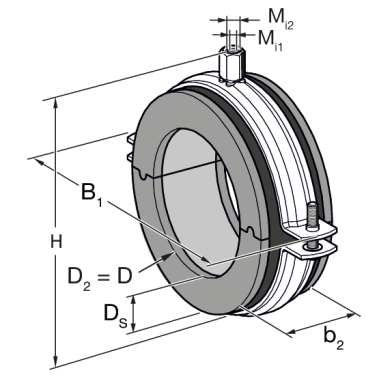
Suitable for secure prevention of condensation water at the pipe support location of refrigeration and cold-water pipelines. An optimal diffusion-tight connection with the pipe insulation is easily and safely achieved by fixing usual insulation materials to the clamp faces using adhesive. Recommended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

Installation

The tightening torque is 2 Nm for all sizes.

For types up to 168, the maximum support spans specified in DIN 1988 may be used.

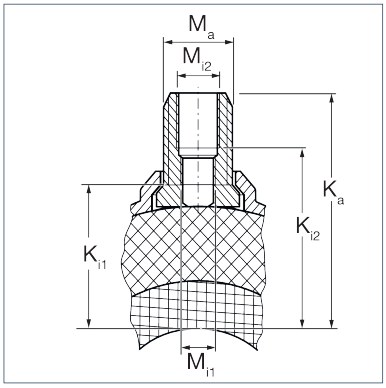
The installation instructions in DIN 4140 must be observed (any gaps must be sealed).



Type	Nominal thickness [mm]	Size	Length PUR element [mm]
LKS 32	32	15 - 70	50
LKS 32	32	76 - 273	100

Temperature

Max. temperature	105 °C
Min. temperature	-40 °C

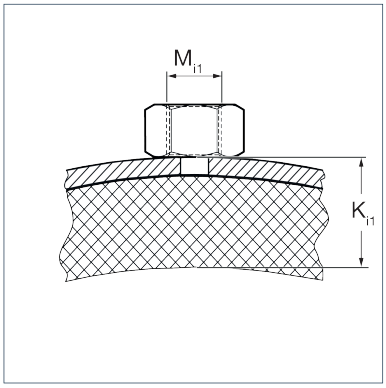


Thermal Conductivity

Thermal conductivity λ {0°C}	λ = 0,024 - 0,026 W/mK
Thermal conductivity λ {10°C}	λ = 0,038 W/mK
Thermal conductivity λ {40°C}	λ = 0,040 W/mK

Mechanical Properties

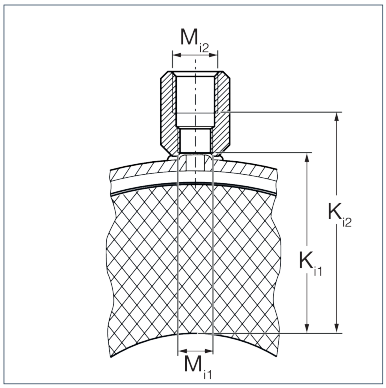
Insertion isolation	18 dB(A)



Material Properties

Halogen-free	1
UV-resistant	0
Water vapour diffusion resistance factor	μ 7000
Storage shelf life	1 year

Chilled Water Clamp LKS 32



Material

Primary element material	steel
Isolating element material	PUR ALU EPDM
Connecting element material	steel
Surface finish	electro galvanized (Fe//Zn)
Corrosion protection class	C2

Forces

Type	-V{Z,perm.}
LKS 32- 15	0.35 kN
LKS 32- 18	0.45 kN
LKS 32- 22	0.55 kN
LKS 32- 25	0.55 kN
LKS 32- 28	0.60 kN
LKS 32- 30	0.60 kN
LKS 32- 35	0.60 kN
LKS 32- 38	0.60 kN
LKS 32- 42	0.60 kN
LKS 32- 44	0.60 kN
LKS 32- 48	0.60 kN
LKS 32- 54	1.30 kN
LKS 32- 57	1.40 kN
LKS 32- 60	1.50 kN
LKS 32- 64	1.65 kN
LKS 32- 70	1.55 kN
LKS 32- 76	1.70 kN
LKS 32- 80	1.75 kN
LKS 32- 89	1.85 kN
LKS 32- 108	3.35 kN
LKS 32- 114	3.50 kN
LKS 32- 133	3.85 kN
LKS 32- 139	4.00 kN
LKS 32- 160	4.35 kN
LKS 32- 168	4.55 kN
LKS 32- 219	5.55 kN
LKS 32- 273	6.60 kN

Chilled Water Clamp LKS 32

Fire Performance

Class B2 according to DIN 4102

Types

Type	Pipe diameter (outside)	Thread connection	Insulation thickness	Weight	Quantity	Part number
LKS 32-15	15.00 mm	M8/M10	31 mm	0.176 kg/pcs.	24 pcs.	114772
LKS 32-18	18.00 mm	M8/M10	31 mm	0.179 kg/pcs.	24 pcs.	114774
LKS 32-22	22.00 mm	M8/M10	31 mm	0.186 kg/pcs.	24 pcs.	114776
LKS 32-25	25.00 mm	M8/M10	31 mm	0.188 kg/pcs.	24 pcs.	114777
LKS 32-28	28.00 mm	M8/M10	31 mm	0.201 kg/pcs.	24 pcs.	114780
LKS 32-30	30.00 mm	M8/M10	34 mm	0.217 kg/pcs.	18 pcs.	114781
LKS 32-35	35.00 mm	M8/M10	34 mm	0.225 kg/pcs.	18 pcs.	114783
LKS 32-38	38.00 mm	M8/M10	36 mm	0.238 kg/pcs.	18 pcs.	114784
LKS 32-42	42.00 mm	M8/M10	36 mm	0.252 kg/pcs.	18 pcs.	114786
LKS 32-44	44.00 mm	M8/M10	37 mm	0.310 kg/pcs.	18 pcs.	114788
LKS 32-48	48.00 mm	M8/M10	37 mm	0.308 kg/pcs.	18 pcs.	114789
LKS 32-54	54.00 mm	M8/M10	38 mm	0.359 kg/pcs.	12 pcs.	114791
LKS 32-57	57.00 mm	M8/M10	38 mm	0.360 kg/pcs.	12 pcs.	114792
LKS 32-60	60.00 mm	M8/M10	38 mm	0.351 kg/pcs.	12 pcs.	114793
LKS 32-64	64.00 mm	M8/M10	39 mm	0.374 kg/pcs.	10 pcs.	114794
LKS 32-70	70.00 mm	M8/M10	39 mm	0.374 kg/pcs.	10 pcs.	114795
LKS 32-76	76.00 mm	M8/M10	42 mm	0.568 kg/pcs.	8 pcs.	114797
LKS 32-80	80.00 mm	M8/M10	42 mm	0.580 kg/pcs.	8 pcs.	114798
LKS 32-89	89.00 mm	M8/M10	42 mm	0.634 kg/pcs.	6 pcs.	114799

Chilled Water Clamp LKS 32

Type	Pipe diameter (outside)	Thread connection	Insulation thickness	Weight	Quantity	Part number
LKS 32-108	108.00 mm	M12/M16/1/2"	42 mm	1.355 kg/pcs.	6 pcs.	114801
LKS 32-114	114.00 mm	M12/M16/1/2"	43 mm	1.460 kg/pcs.	6 pcs.	114804
LKS 32-133	133.00 mm	M12/M16/1/2"	44 mm	1.610 kg/pcs.	6 pcs.	114806
LKS 32-139	139.00 mm	M12/M16/1/2"	43 mm	1.579 kg/pcs.	6 pcs.	114807
LKS 32-160	160.00 mm	M12/M16/1/2"	45 mm	1.818 kg/pcs.	4 pcs.	114808
LKS 32-168	168.00 mm	M12/M16/1/2"	45 mm	1.872 kg/pcs.	4 pcs.	114809
LKS 32-219	219.00 mm	M12/M16/1/2"	46 mm	2.229 kg/pcs.	2 pcs.	114813
LKS 32-273	273.00 mm	M16	45 mm	3.982 kg/pcs.	2 pcs.	114816

Dimensions

Type	B1	b2	D	D2	DS	H	Mi1	Mi2	Ki1	Ki2
LKS 32-15	125 mm	50 mm	15 mm	15 mm	31 mm	106.5 mm	M8	M10	37 mm	46.17 mm
LKS 32-18	125 mm	50 mm	18 mm	18 mm	31 mm	106.5 mm	M8	M10	37 mm	46.17 mm
LKS 32-22	134 mm	50 mm	22 mm	22 mm	31 mm	114.5 mm	M8	M10	37 mm	46.17 mm
LKS 32-25	134 mm	50 mm	25 mm	25 mm	31 mm	114.5 mm	M8	M10	37 mm	46.17 mm
LKS 32-28	141 mm	50 mm	28 mm	28 mm	31 mm	123.5 mm	M8	M10	37 mm	46.17 mm
LKS 32-30	146.5 mm	50 mm	30 mm	30 mm	34 mm	125.5 mm	M8	M10	40 mm	49.17 mm
LKS 32-35	151 mm	50 mm	35 mm	35 mm	34 mm	133.5 mm	M8	M10	40 mm	49.17 mm
LKS 32-38	159.5 mm	50 mm	38.1 mm	38.1 mm	36 mm	141.5 mm	M8	M10	42 mm	51.17 mm
LKS 32-42	159.5 mm	50 mm	42.1 mm	42.1 mm	36 mm	141.5 mm	M8	M10	42 mm	51.17 mm
LKS 32-44	173 mm	50 mm	44.1 mm	44.1 mm	37 mm	152.5 mm	M8	M10	44.11 mm	51.83 mm
LKS 32-48	173 mm	50 mm	48.2 mm	48.2 mm	37 mm	152.5 mm	M8	M10	44.11 mm	51.83 mm
LKS 32-54	186 mm	50 mm	54.2 mm	54.2 mm	38 mm	165.5 mm	M8	M10	45.11 mm	52.83 mm

Chilled Water Clamp LKS 32

Type	B1	b2	D	D2	DS	H	Mi1	Mi2	Ki1	Ki2
LKS 32-57	186 mm	50 mm	57.3 mm	57.3 mm	38 mm	165.5 mm	M8	M10	45.11 mm	52.83 mm
LKS 32-60	186 mm	50 mm	60.3 mm	60.3 mm	38 mm	165.5 mm	M8	M10	45.11 mm	52.83 mm
LKS 32-64	193 mm	50 mm	64.3 mm	64.3 mm	39 mm	171.5 mm	M8	M10	45.91 mm	53.63 mm
LKS 32-70	203 mm	50 mm	70.4 mm	70.4 mm	39 mm	181.5 mm	M8	M10	45.91 mm	53.63 mm
LKS 32-76	215 mm	100 mm	76.4 mm	76.4 mm	42 mm	194.5 mm	M8	M10	49.11 mm	56.83 mm
LKS 32-80	215 mm	100 mm	80 mm	80 mm	42 mm	194.5 mm	M8	M10	49.11 mm	56.83 mm
LKS 32-89	229 mm	100 mm	89.6 mm	89.6 mm	42 mm	206.5 mm	M8	M10	49.11 mm	56.83 mm
LKS 32-108	265 mm	100 mm	108.8 mm	108.8 mm	42 mm	229 mm	M12	M16	45.74 mm	58.75 mm
LKS 32-114	276 mm	100 mm	114.8 mm	114.8 mm	43 mm	240 mm	M12	M16	47.14 mm	60.15 mm
LKS 32-133	296 mm	100 mm	134 mm	134 mm	44 mm	260 mm	M12	M16	47.14 mm	60.15 mm
LKS 32-139	296 mm	100 mm	139 mm	139 mm	43 mm	260 mm	M12	M16	47.14 mm	60.15 mm
LKS 32-160	321 mm	100 mm	160 mm	160 mm	45 mm	285 mm	M12	M16	49.14 mm	62.15 mm
LKS 32-168	332 mm	100 mm	169.4 mm	169.4 mm	45 mm	296 mm	M12	M16	49.14 mm	62.15 mm
LKS 32-219	387 mm	100 mm	220.9 mm	220.9 mm	46 mm	351 mm	M12	M16	49.14 mm	62.15 mm
LKS 32-273	482 mm	100 mm	275.4 mm	275.4 mm	45 mm	391 mm	M16		49.69 mm	

Certification