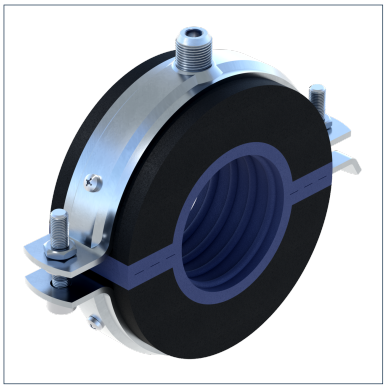
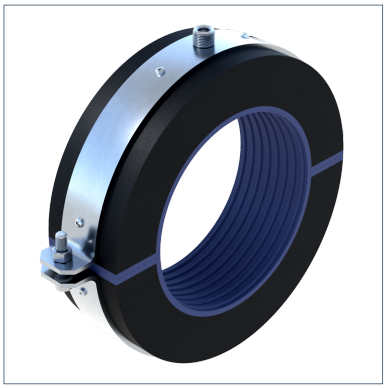
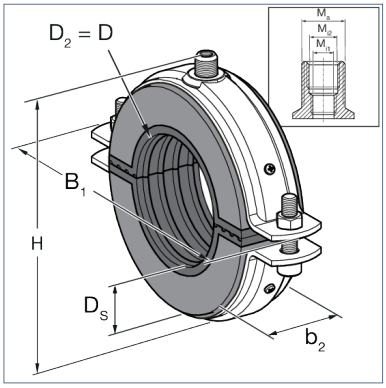
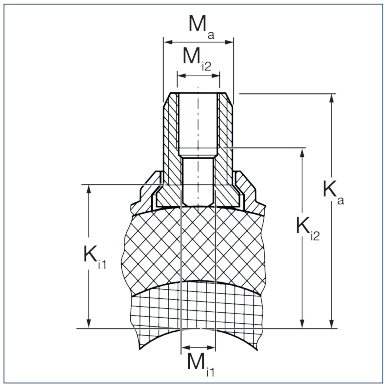
Chilled Water Clamp SKS Top-2C









General Information

Used for cold-water pipeline systems and refrigeration installations. Fixation of pipe lines degenerated from sound and vibration. First class sound absorption by means of soft foam. One size covers several pipe dimensions. Permissible pipe dia. tolerances are securely adjusted by the elastomer part which also prevents from condensation which may occur due to slots. No sealant is needed - the smooth adhesion of the pipe insulation at the front surface is possible. Suitable also for heavy loads.

Installation

Size [mm]	Tightening torque [Nm]
17 - 22	2
23 - 26	2
27 - 32	2
33 - 38	2
38 - 47	3
48 - 54	3
57 - 62	3
63 - 68	3
70 - 75	3
76 - 81	5
89 - 94	5
107 - 112	10
113 - 117	10
125 - 128	10
133 - 137	10
138 - 142	10
157 - 161	10
168 - 172	10
219 - 327	15

Temperature

Max. temperature	110 °C
Min. temperature	-50 °C

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Thermal Conductivity

Thermal conductivity λ {10°C}	λ = 0,042 W/Mk
Thermal conductivity λ {20°C}	λ = 0,043 W/Mk
Thermal conductivity λ {30°C}	λ = 0,044 W/Mk
Thermal conductivity λ {40°C}	λ = 0,045 W/Mk

Mechanical Properties

Compressive strength	0.70 N/mm²
Insertion isolation	25,3 dB(A)
Insertion isolation as system test	26,3 dB(A)

Material Properties

Halogen-free	1
UV-resistant	0

Material

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

Forces

Type	-V{Z,perm.}
SKS TOP-2C 17-22/40	0.35 kN
SKS TOP-2C 23-26/40	0.45 kN
SKS TOP-2C 27-32/40	0.55 kN
SKS TOP-2C 33-38/40	0.65 kN
SKS TOP-2C 38-42/40	0.75 kN
SKS TOP-2C 42-47/40	0.80 kN
SKS TOP-2C 48-54/40	0.95 kN
SKS TOP-2C 57-62/50	1.40 kN
SKS TOP-2C 63-68/50	1.55 kN
SKS TOP-2C 70-75/50	1.70 kN
SKS TOP-2C 76-81/50	1.85 kN

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Type	-V{Z,perm.}
SKS TOP-2C 89-94/50	2.20 kN
SKS TOP-2C 107-112/60	3.15 kN
SKS TOP-2C 113-117/60	3.30 kN
SKS TOP-2C 125-128/60	3.65 kN
SKS TOP-2C 133-137/60	3.90 kN
SKS TOP-2C 138-142/60	4.05 kN
SKS TOP-2C 157-161/60	4.60 kN
SKS TOP-2C 168-172/60	4.95 kN
SKS TOP-2C 219-222/100	8.00 kN
SKS TOP-2C 272-275/100	8.00 kN
SKS TOP-2C 324-327/100	8.00 kN

Fire Performance

Class EL according to DIN EN 13501-1

Types

Type	Size min.	Size max.	DN	Thread connection	Insulation thickness	Weight	Quantity	Part number
SKS TOP-2C 17-22/40	17.00 mm	22.00 mm	DN 15 (1/2")	M8/M10/ M16	20 mm	0.207 kg/pcs.	50 pcs.	191207
SKS TOP-2C 23-26/40	23.00 mm	26.00 mm		M8/M10/ M16	20 mm	0.208 kg/pcs.	50 pcs.	194980
SKS TOP-2C 27-32/40	27.00 mm	32.00 mm	DN 20 (3/4")	M8/M10/ M16	20 mm	0.200 kg/pcs.	50 pcs.	191216
SKS TOP-2C 33-38/40	33.00 mm	38.00 mm	DN 25 (1")	M8/M10/ M16	20 mm	0.200 kg/pcs.	50 pcs.	191225
SKS TOP-2C 38-42/40	38.00 mm	42.00 mm		M8/M10/ M16	30 mm	0.432 kg/pcs.	25 pcs.	194997
SKS TOP-2C 42-47/40	42.00 mm	47.00 mm	DN 32 (1 1/4")	M8/M10/ M16	30 mm	0.450 kg/pcs.	25 pcs.	191234
SKS TOP-2C 48-54/40	48.00 mm	54.00 mm	DN 40 (1 1/2")	M8/M10/ M16	30 mm	0.450 kg/pcs.	25 pcs.	191243
SKS TOP-2C 57-62/50	57.00 mm	62.00 mm	DN 50 (2")	M8/M10/ M16	30 mm	0.550 kg/pcs.	25 pcs.	191252
SKS TOP-2C 63-68/50	63.00 mm	68.00 mm		M8/M10/ M16	30 mm	0.522 kg/pcs.	25 pcs.	195000
SKS TOP-2C 70-75/50	70.00 mm	75.00 mm		M8/M10/ M16	30 mm	0.550 kg/pcs.	25 pcs.	191261
SKS TOP-2C 76-81/50	76.00 mm	81.00 mm	DN 65 (2 1/2")	M12/ M16/1/2"	30 mm	0.900 kg/pcs.	25 pcs.	191279

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Type	Size min.	Size max.	DN	Thread connection	Insulation thickness	Weight	Quantity	Part number
SKS TOP-2C 89-94/50	89.00 mm	94.00 mm	DN 80 (3")	M12/ M16/1/2"	30 mm	1.000 kg/pcs.	25 pcs.	191288
SKS TOP-2C 107-112/60	107.00 mm	112.00 mm		M12/ M16/1/2"	40 mm	1.300 kg/pcs.	10 pcs.	191297
SKS TOP-2C 113-117/60	113.00 mm	117.00 mm	DN 100 (4")	M12/ M16/1/2"	40 mm	1.430 kg/pcs.	10 pcs.	191306
SKS TOP-2C 125-128/60	125.00 mm	128.00 mm		M12/ M16/1/2"	40 mm	1.450 kg/pcs.	10 pcs.	195048
SKS TOP-2C 133-137/60	133.00 mm	137.00 mm		M12/ M16/1/2"	40 mm	1.490 kg/pcs.	10 pcs.	191315
SKS TOP-2C 138-142/60	138.00 mm	142.00 mm	DN 125 (5")	M12/ M16/1/2"	40 mm	1.530 kg/pcs.	10 pcs.	191324
SKS TOP-2C 157-161/60	157.00 mm	161.00 mm		M12/ M16/1/2"	40 mm	1.650 kg/pcs.	10 pcs.	191333
SKS TOP-2C 168-172/60	168.00 mm	172.00 mm	DN 150 (6")	M12/ M16/1/2"	40 mm	1.700 kg/pcs.	10 pcs.	191342
SKS TOP-2C 219-222/100	219.00 mm	222.00 mm	DN 200 (8")	M12/ M16/1/2"	60 mm	3.930 kg/pcs.	1 pcs.	191351
SKS TOP-2C 272-275/100	272.00 mm	275.00 mm	DN 250 (10")	M12/ M16/1/2"	60 mm	4.480 kg/pcs.	1 pcs.	191369
SKS TOP-2C 324-327/100	324.00 mm	327.00 mm		M12/ M16/1/2"	60 mm	5.180 kg/pcs.	1 pcs.	191378

Dimensions

Type	B1	b2	D	D2	DS	H	Ma	Mi1	Mi2	Ki1	Ki2	Ka
SKS TOP-2C 17-22/40	104 mm	40 mm	19 mm	19 mm	20 mm	86 mm	M16	M8	M10	47.32 mm	56.07 mm	67.08 mm
SKS TOP-2C 23-26/40	111 mm	40 mm	25 mm	25 mm	20 mm	92 mm	M16	M8	M10	47.32 mm	56.07 mm	67.08 mm
SKS TOP-2C 27-32/40	111 mm	40 mm	29 mm	29 mm	20 mm	92 mm	M16	M8	M10	43.32 mm	52.07 mm	63.08 mm
SKS TOP-2C 33-38/40	117 mm	40 mm	35 mm	35 mm	20 mm	99 mm	M16	M8	M10	44.32 mm	53.07 mm	64.08 mm
SKS TOP-2C 38-42/40	170 mm	40 mm	40 mm	40 mm	30 mm	135.5 mm	M16	M8	M10	76.11 mm	85.08 mm	95.79 mm
SKS TOP-2C 42-47/40	170 mm	40 mm	44 mm	44 mm	30 mm	135.5 mm	M16	M8	M10	72.11 mm	81.08 mm	91.79 mm
SKS TOP-2C 48-54/40	170 mm	40 mm	50 mm	50 mm	30 mm	135.5 mm	M16	M8	M10	66.11 mm	75.08 mm	85.79 mm
SKS TOP-2C 57-62/50	191 mm	50 mm	59 mm	59 mm	30 mm	156.5 mm	M16	M8	M10	78.11 mm	87.08 mm	97.79 mm
SKS TOP-2C 63-68/50	191 mm	50 mm	65 mm	65 mm	30 mm	156.5 mm	M16	M8	M10	72.11 mm	81.08 mm	91.79 mm

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Type	B1	b2	D	D2	DS	H	Ma	Mi1	Mi2	Ki1	Ki2	Ka
SKS TOP-2C 70-75/50	191 mm	50 mm	72 mm	72 mm	30 mm	156.5 mm	M16	M8	M10	65.11 mm	74.08 mm	84.79 mm
SKS TOP-2C 76-81/50	210 mm	50 mm	78 mm	78 mm	30 mm	175 mm	M16	M8	M10	37.14 mm	50.15 mm	62.4 mm
SKS TOP-2C 89-94/50	225 mm	50 mm	91 mm	91 mm	30 mm	190 mm	M16	M8	M10	38.14 mm	51.15 mm	63.4 mm
SKS TOP-2C 107-112/60	255 mm	60 mm	110 mm	110 mm	40 mm	219 mm	M16	M8	M10	43.14 mm	56.15 mm	68.4 mm
SKS TOP-2C 113-117/60	265 mm	60 mm	116 mm	116 mm	40 mm	229 mm	M16	M8	M10	45.14 mm	58.15 mm	70.4 mm
SKS TOP-2C 125-128/60	287 mm	60 mm	127 mm	127 mm	40 mm	251 mm	M16	M8	M10	51.14 mm	64.15 mm	76.4 mm
SKS TOP-2C 133-137/60	287 mm	60 mm	135 mm	135 mm	40 mm	251 mm	M16	M8	M10	47.14 mm	60.15 mm	72.4 mm
SKS TOP-2C 138-142/60	287 mm	60 mm	141 mm	141 mm	40 mm	251 mm	M16	M8	M10	44.14 mm	57.15 mm	69.4 mm
SKS TOP-2C 157-161/60	321 mm	60 mm	161 mm	161 mm	40 mm	285 mm	M16	M8	M10	51.14 mm	64.15 mm	76.4 mm
SKS TOP-2C 168-172/60	321 mm	60 mm	170 mm	170 mm	40 mm	285 mm	M16	M8	M10	46.64 mm	59.65 mm	71.9 mm
SKS TOP-2C 219-222/100	420 mm	100 mm	221 mm	221 mm	60 mm	362 mm	1/2"	M12	M16	65.14 mm	78.15 mm	90.4 mm
SKS TOP-2C 272-275/100	493 mm	100 mm	275 mm	275 mm	60 mm	415 mm	1/2"	M12	M16	64.64 mm	77.65 mm	89.9 mm
SKS TOP-2C 324-327/100	546 mm	100 mm	326 mm	326 mm	60 mm	468 mm	1/2"	M12	M16	65.64 mm	78.65 mm	90.9 mm

Certification