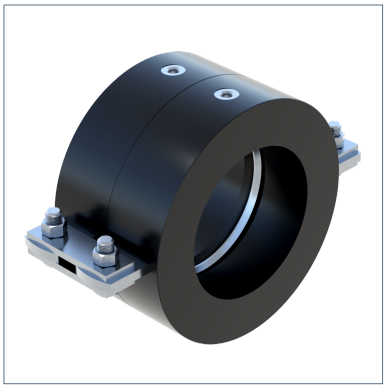
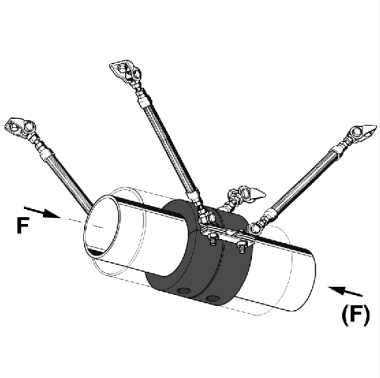
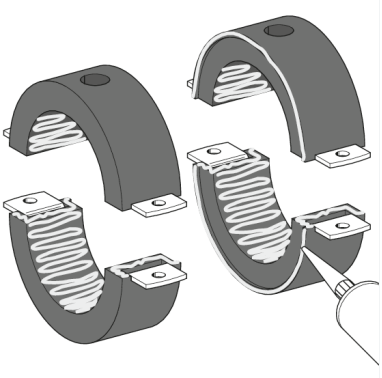
Chilled Water Fixed Point Clamp FKS







General Information

Fixed Point Chilled Water Clamp for the absorption of axial forces. Especially used for risers. The contraction forces are transferred to the pipe clamp by a steel pressure ring welded to the perimeter of the steel pipe. The clamp is anchored to the building structure via an installed anchor bracket.

Installation

1. Weld pressure ring to pipe at location of required anchor point and conserve subsequently. Welding process, filler metal and dimensioning of the weld size are to be specified by the customer. For stainless steel pipes select a suitable welding filler (recommendation: 1.4370) to avoid contact corrosion.
2. Apply a thin bead of sealant to the inside adjacent shell faces of the clamp.
3. Position clamp shells on either side of the pressure ring and connect via splice plate.
4. Check if joint between the clamps is closed tightely by the sealant.
5. Install refrigeration clamp by means of Mounting Kit.

Temperature

Max. temperature	105 °C
Min. temperature	-50 °C

Thermal Conductivity

Thermal conductivity λ {0°C}	0,042 W/mK

Material Properties

Halogen-free	0
UV-resistant	0
Water vapour diffusion resistance factor	μ 1000

Material

Isolating element material	PUR
Connecting element material	steel
Corrosion protection class	C2

Forces

Type	V{X,perm.}
FKS 76,1	2,50 kN
FKS 88,9	3,00 kN
FKS 108	4,00 kN
FKS 114,3	4,00 kN
FKS 133	4,50 kN

Chilled Water Fixed Point Clamp FKS

Type	V{X,perm.}
FKS 139,7	4,50 kN
FKS 168,3	6,00 kN
FKS 219,1	9,00 kN
FKS 273	12,00 kN
FKS 323,9	15,00 kN

Fire Performance

Class EL according to DIN EN 13501-1

Additional information

Delivery time: 10 business days

Types

Type	DN	Weight	Quantity	Part number
FKS 76,1	DN 65 (2 1/2")	2,02 kg/pcs.	1 pcs.	190271
FKS 88,9	DN 80 (3")	2,65 kg/pcs.	1 pcs.	190289
FKS 108	DN 90 (3 1/2")	3,48 kg/pcs.	1 pcs.	190298
FKS 114,3	DN 100 (4")	4,9 kg/pcs.	1 pcs.	190307
FKS 133	DN 100 (4")	5,6 kg/pcs.	1 pcs.	190316
FKS 139,7	DN 125 (5")	4,82 kg/pcs.	1 pcs.	190325
FKS 168,3	DN 150 (6")	5,62 kg/pcs.	1 pcs.	190343
FKS 219,1	DN 200 (8")	16,14 kg/pcs.	1 pcs.	190352
FKS 273	DN 250 (10")	20,31 kg/pcs.	1 pcs.	190379
FKS 323,9	DN 300 (12")	23,34 kg/pcs.	1 pcs.	190388

Dimensions

Type	B1	b2	D	D2	DS	d	e
FKS 76,1	203 mm	100 mm	76,1 mm	76,1 mm	30 mm	10,5 mm	173 mm
FKS 88,9	211 mm	100 mm	88,9 mm	88,9 mm	30 mm	10,5 mm	181 mm
FKS 108	203 mm	120 mm	108 mm	108 mm	30 mm	10,5 mm	173 mm
FKS 114,3	274 mm	120 mm	114,3 mm	114,3 mm	40 mm	13 mm	238 mm
FKS 133	300 mm	120 mm	133 mm	133 mm	40 mm	13 mm	264 mm
FKS 139,7	300 mm	120 mm	139,7 mm	139,7 mm	40 mm	13 mm	264 mm
FKS 168,3	328 mm	120 mm	168,3 mm	168,3 mm	40 mm	13 mm	292 mm
FKS 219,1	439 mm	200 mm	219,1 mm	219,1 mm	60 mm	13 mm	399 mm
FKS 273	493 mm	200 mm	273 mm	273 mm	60 mm	17 mm	453 mm
FKS 323,9	544 mm	200 mm	323,9 mm	323,9 mm	60 mm	17 mm	504 mm

Chilled Water Fixed Point Clamp FKS

Certification

epd-global
Powered by EPD-Norway