



kaiflex[®] RT-ST

Load bearing protection against thermal bridging and corrosion

Kaiflex RT-ST insulated load bearing pipe sections are vapour sealed and prevent condensation, corrosion and energy loss at critical points.

- Reliably prevents thermal bridging
- Vapour barrier in-built
- Reduces energy losses
- Reliable long term performance
- Easy to apply





Kaiflex RT-ST insulated load bearing pipe sections are vapour sealed and resistant to compression. With excellent thermal performance Kaiflex RT-ST pipe sections prevent condensation, corrosion and energy loss at critical points.

Kaiflex RT-ST consists of high density, compression resistant, PIR foam sections combined with water vapour resistant Kaiflex ST insulation and a protective outer shell covering. Load bearing pipe clamps that would tear or compress standard insulation tubes can be applied directly around Kaiflex RT-ST sections.

Fully compatible with all other Kaiflex products, Kaiflex RT-ST sections feature an interlocking design and represent a durable, reliable and visually attractive solution that prevents avoidable energy loss and helps to keep pipework free of corrosion.



Prevents condensation & corrosion at pipe supports

Pipe supports are natural weak points where condensation and corrosion are more likely. Kaiflex insulation systems keep pipe supports dry and free from corrosion.



Restricts thermal bridging

Thermal bridges are weak points in an insulation system through which energy is lost at a much faster rate. Insulation can effectively break thermal bridges, greatly improving the overall performance.



Load bearing without compression

Insulation applied at pipe supports must be capable of bearing the weight of the insulated pipe without compression. Kaiflex pipe supports incorporate a rigid load bearing element to prevent compression.

Kaiflex RT-ST Technical Data

Material		Two PUR/PIR bearing segments, embedded in elastomeric foam based on synthetic rubber.	
Covering		PVC	
Colour		Black	
Upper temperature limit		+110 °C	
Lower temperature limit		-50 °C	See remark (1)
Thermal conductivity		see Kaiflex ST	
Water vapour permeability	Moisture resistance factor μ	see Kaiflex ST No separate vapour barrier required	
Euroclass [◊]		E _L (as part of a system incl. Kaiflex ST tubes: B _L -s3, d0)	Test acc. to DIN EN 13501-1
Density	Insulation insert	70/120 kg/m ³	
Other attributes	Insulation insert Storage temperature Application temperature	CFC-free ≥ +10 °C ≥ +10 °C	
Shelf life		1 year	Store in a dry room at a typical relative humidity (between 50 % and 70 %) and room temperature (between 0 °C and +35 °C)

Remark (1) For temperatures below -50 °C please contact our Technical Support Team for advice.

[◊] The Euroclass rating applies to metallic or solid mineral substrates.

Kaiflex RT-ST Technical Data · Pipe clamp

Description		2-piece pipe clamp: 2 lock screws. Protective outer shell covering for load bearing pipe clamps.	
Max. permissible load and tensibility		Ø 1.300 N. Maximum permissible load (Fa,z) was determined by application of statistical methods of tensile strengths in compliance with a max. admissible deformation of 1. mm and 2 % of the max. tensible pipe diameter.	
Technical data		Made of steel, electrolytically galvanised.	
Lock screw		Hexagon screws with cross recess, electrolytically galvanised. Four-fold welded on terminal nut.	
Screw thread		M 8 / M 10 nut-and washer-assembly	
Clamping/Tension screws		M 6 or M 8	
Width of clamp strap		20 to 25 mm	
Thickness of clamp strap		1,25 to 3,0 mm	



Kaiflex RT-ST Pipe support · self-adhesive

Colour: Black											
Copper pipe Cu	Iron & steel pipe Fe		Max. support interval m (in acc. with DIN 1988)	13 mm Insulation thickness				19 mm Insulation thickness			
	OD mm	Inch		OD mm	OD mm	Reference	Order No.	Carton content	OD mm	Reference	Order No.
6,0			2,00								
8,0			2,00								
10,0	1/8	10,2	2,00	36,0	RT-ST13x010	4002234	52	48,0	RT-ST19x010	4002266	32
12,0		12,5	2,00	38,0	RT-ST13x012	4002235	48	50,0	RT-ST19x012	4002267	28
15,0	1/4	13,5	2,00	41,0	RT-ST13x015	4002236	40	53,0	RT-ST19x015	4002268	22
18,0	3/8	17,2	2,25	44,0	RT-ST13x018	4002237	32	56,0	RT-ST19x018	4002269	20
22,0	1/2	21,3	2,75	48,0	RT-ST13x022	4002238	32	60,0	RT-ST19x022	4002271	32
28,0	3/4	26,9	3,00	54,0	RT-ST13x028	4002240	40	66,0	RT-ST19x028	4002273	24
35,0	1	33,7	3,50	61,0	RT-ST13x035	4002242	30	73,0	RT-ST19x035	4002276	38
42,0	1 1/4	42,4	3,75	68,0	RT-ST13x042	4002243	46	80,0	RT-ST19x042	4002278	32
		44,5									
	1 1/2	48,3	4,25	74,0	RT-ST13x048	4002244	34	86,0	RT-ST19x048	4002279	28
54,0		54,0	4,25	80,0	RT-ST13x054	4002246	32	93,0	RT-ST19x054	4002280	48
57,0		57,0	4,25	83,0	RT-ST13x057	4002247	28	95,0	RT-ST19x057	4002281	48
	2	60,3	4,75	86,0	RT-ST13x060	4002248	56	98,0	RT-ST19x060	4002282	44
64,0		63,5	4,75	92,0	RT-ST13x064	4002249	48	104,0	RT-ST19x064	4002283	40
70,0		70,0	4,75	98,0	RT-ST13x070	4002251	44	110,0	RT-ST19x070	4002284	30
76,1	2 1/2	76,1	5,50	104,0	RT-ST13x076	4002252	40	116,0	RT-ST19x076	4002285	30
80,0			5,50								
88,9	3	88,9	6,00	117,0	RT-ST13x089	4002254	30	129,0	RT-ST19x089	4002287	26
114,0	4	114,3	6,00	144,0	RT-ST13x114	4002257	18	156,0	RT-ST19x114	4002289	16
		125,0	6,00								
	5	139,7	6,00	170,0	RT-ST13x140	4002260	14	182,0	RT-ST19x140	4002292	12
159,0		160,0	6,00	190,0	RT-ST13x160	4002261	12	202,0	RT-ST19x160	4002293	8

Length pipe support: <133 mm: 50 mm · ≥133 mm: 100 mm

Load bearing capacity sufficient as long as mounting distances are applied according to DIN 1988 or shorter.

* No stock item, delivery time on request.



Kaiflex RT-ST Pipe support · self-adhesive

Colour: Black											
Copper pipe Cu	Iron & steel pipe Fe		Max. support interval m (in acc. with DIN 1988)	25 mm Insulation thickness				32 mm Insulation thickness			
	OD mm	Inch		OD mm	OD mm	Reference	Order No.	Carton content	OD mm	Reference	Order No.
6,0			2,00								
8,0			2,00								
10,0	1/8	10,2	2,00	60,0	RT-ST25x010	4002301	32	74,0	RT-ST32x010	4002326	18
12,0		12,5	2,00	62,0	RT-ST25x012	4002302	28	76,0	RT-ST32x012	4002327	18
15,0	1/4	13,5	2,00	65,0	RT-ST25x015	4002303	24	79,0	RT-ST32x015	4002328	18
18,0	3/8	17,2	2,25	68,0	RT-ST25x018	4002304	24	82,0	RT-ST32x018	4002329	28
22,0	1/2	21,3	2,75	72,0	RT-ST25x022	4002305	38	86,0	RT-ST32x022	4002330	24
28,0	3/4	26,9	3,00	78,0	RT-ST25x028	4002306	32	92,0	RT-ST32x028	4002331	24
35,0	1	33,7	3,50	85,0	RT-ST25x035	4002307	26	99,0	RT-ST32x035	4002332	18
42,0	1 1/4	42,4	3,75	92,0	RT-ST25x042	4002308	22	106,0	RT-ST32x042	4002333	40
		44,5									
	1 1/2	48,3	4,25	98,0	RT-ST25x048	4002309	44	112,0	RT-ST32x048	4002334	30
54,0		54,0	4,25	104,0	RT-ST25x054	4002310	40	118,0	RT-ST32x054	4002335	30
57,0		57,0	4,25					121,0	RT-ST32x057	4005816 *	28
	2	60,3	4,75	110,0	RT-ST25x060	4002311	36	124,0	RT-ST32x060	4002336	26
64,0		63,5	4,75	116,0	RT-ST25x064	4002312	30	130,0	RT-ST32x064	4002337	24
70,0		70,0	4,75	122,0	RT-ST25x070	4005815 *	28	136,0	RT-ST32x070	4002338	22
76,1	2 1/2	76,1	5,50	128,0	RT-ST25x076	4002313	24	142,0	RT-ST32x076	4002339	22
80,0			5,50								
88,9	3	88,9	6,00	141,0	RT-ST25x089	4002314	22	155,0	RT-ST32x089	4002341	16
114,0	4	114,3	6,00	168,0	RT-ST25x114	4002316	12	182,0	RT-ST32x114	4002344	12
		125,0	6,00								
	5	139,7	6,00	194,0	RT-ST25x140	4002318	12	208,0	RT-ST32x140	4002346	8
159,0		160,0	6,00	214,0	RT-ST25x160	4002319	8	228,0	RT-ST32x160	4002347	6

Length pipe support: <133 mm: 50 mm · ≥133 mm: 100 mm

Load bearing capacity sufficient as long as mounting distances are applied according to DIN 1988 or shorter.

* No stock item, delivery time on request.

Load bearing protection against thermal bridging and corrosion

Full Set: Pipe support + clamp



Kaiflex RT-ST Set Pipe support · self-adhesive · with clamp

Colour: Black

Copper pipe Cu	Iron & steel pipe Fe		Max. support interval m (in acc. with DIN 1988)	13 mm [°] Insulation thickness				19 mm [°] Insulation thickness				
	OD mm	Inch		OD mm	Support OD mm	Reference	Order No.	Carton content	Support OD mm	Reference	Order No.	Carton content
6,0			2,00									
8,0			2,00									
10,0	1/8	10,2	2,00	36,0	RT-ST13x010-S	4001977	52	48,0	RT-ST19x010-S	4001998	32	
12,0		12,5	2,00	38,0	RT-ST13x012-S	4001978	48	50,0	RT-ST19x012-S	4001999	28	
15,0	1/4	13,5	2,00	41,0	RT-ST13x015-S	4001979	40	53,0	RT-ST19x015-S	4002000	22	
18,0	3/8	17,2	2,25	44,0	RT-ST13x018-S	4001980	32	56,0	RT-ST19x018-S	4002001	20	
22,0	1/2	21,3	2,75	48,0	RT-ST13x022-S	4001981	32	60,0	RT-ST19x022-S	4002002	32	
28,0	3/4	26,9	3,00	54,0	RT-ST13x028-S	4001982	40	66,0	RT-ST19x028-S	4002003	24	
35,0	1	33,7	3,50	61,0	RT-ST13x035-S	4001983	30	73,0	RT-ST19x035-S	4002004	38	
42,0	1 1/4	42,4	3,75	68,0	RT-ST13x042-S	4001984	46	80,0	RT-ST19x042-S	4002005	32	
		44,5										
	1 1/2	48,3	4,25	74,0	RT-ST13x048-S	4001985	34	86,0	RT-ST19x048-S	4002006	28	
54,0		54,0	4,25	80,0	RT-ST13x054-S	4001986	32	93,0	RT-ST19x054-S	4002007	48	
57,0		57,0	4,25	83,0	RT-ST13x057-S	4001987	28	95,0	RT-ST19x057-S	4002008	48	
	2	60,3	4,75	86,0	RT-ST13x060-S	4001988	56	98,0	RT-ST19x060-S	4002009	44	
64,0		63,5	4,75	92,0	RT-ST13x064-S	4001989	48	104,0	RT-ST19x064-S	4002010	40	
70,0		70,0	4,75	98,0	RT-ST13x070-S	4001990	44	110,0	RT-ST19x070-S	4002011	30	
76,1	2 1/2	76,1	5,50	104,0	RT-ST13x076-S	4001991	40	116,0	RT-ST19x076-S	4002012	30	
80,0			5,50									
88,9	3	88,9	6,00	117,0	RT-ST13x089-S	4001992	30	129,0	RT-ST19x089-S	4002013	26	
114,0	4	114,3	6,00									
		125,0	6,00									
	5	139,7	6,00	170,0	RT-ST13x140-S	4001996 *	14	182,0	RT-ST19x140-S	4002017	12	
159,0		160,0	6,00					202,0	RT-ST19x160-S	4002018 *	8	

Length pipe support: <133 mm: 50 mm · ≥133 mm: 100 mm

Load bearing capacity sufficient as long as mounting distances are applied according to DIN 1988 or shorter.

[°] Suitable for all standard Kaiflex tubes.

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Load bearing protection against thermal bridging and corrosion

Full Set: Pipe support + clamp



Kaiflex RT-ST Set Pipe support · self-adhesive · with clamp

Colour: Black

Copper pipe Cu	Iron & steel pipe Fe		Max. support interval m (in acc. with DIN 1988)	25 mm [°] Insulation thickness				32 mm [°] Insulation thickness				
	OD mm	Inch		OD mm	Support OD mm	Reference	Order No.	Carton content	Support OD mm	Reference	Order No.	Carton content
6,0			2,00									
8,0			2,00									
10,0	1/8	10,2	2,00	60,0	RT-ST25x010-S	4002020	32					
12,0		12,5	2,00	62,0	RT-ST25x012-S	4002021	28					
15,0	1/4	13,5	2,00	65,0	RT-ST25x015-S	4002022	24	79,0	RT-ST32x015-S	4002040	18	
18,0	3/8	17,2	2,25	68,0	RT-ST25x018-S	4002023	24	82,0	RT-ST32x018-S	4002041	28	
22,0	1/2	21,3	2,75	72,0	RT-ST25x022-S	4002024	38	86,0	RT-ST32x022-S	4002042	24	
28,0	3/4	26,9	3,00	78,0	RT-ST25x028-S	4002025	32	92,0	RT-ST32x028-S	4002043	24	
35,0	1	33,7	3,50	85,0	RT-ST25x035-S	4002027	26	99,0	RT-ST32x035-S	4002044	18	
42,0	1 1/4	42,4	3,75	92,0	RT-ST25x042-S	4002028	22	106,0	RT-ST32x042-S	4002045	40	
		44,5										
	1 1/2	48,3	4,25	98,0	RT-ST25x048-S	4002029	44	112,0	RT-ST32x048-S	4002046	30	
54,0		54,0	4,25	104,0	RT-ST25x054-S	4002030	40	118,0	RT-ST32x054-S	4002047	30	
57,0		57,0	4,25									
	2	60,3	4,75	110,0	RT-ST25x060-S	4002031	36	124,0	RT-ST32x060-S	4002048	26	
64,0		63,5	4,75	116,0	RT-ST25x064-S	4002032	30	130,0	RT-ST32x064-S	4002049	24	
70,0		70,0	4,75	122,0				136,0	RT-ST32x070-S	4002050	22	
76,1	2 1/2	76,1	5,50	128,0	RT-ST25x076-S	4002033	24	142,0	RT-ST32x076-S	4002051	22	
80,0			5,50									
88,9	3	88,9	6,00	141,0	RT-ST25x089-S	4002034	22					
114,0	4	114,3	6,00	168,0	RT-ST25x114-S	4002036	12	182,0	RT-ST32x114-S	4002053	12	
		125,0	6,00									
	5	139,7	6,00	194,0	RT-ST25x140-S	4002037 *	12	208,0	RT-ST32x140-S	4002055 *	8	
159,0		160,0	6,00	214,0	RT-ST25x160-S	4002038	8					

Length pipe support: <133 mm: 50 mm · ≥133 mm: 100 mm

Load bearing capacity sufficient as long as mounting distances are applied according to DIN 1988 or shorter.

[°] Suitable for all standard Kaiflex tubes.

* No stock item, delivery time on request.

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