

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.

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.

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



Kaiflex RT-ST Technical Data

Material		Two PIR bearing segments, embedded in elastomeric foam based on synthetic rubber.	
Covering		PVC	
Colour		Black	
Max. service temperature		+110 °C	
Min. service temperature		-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 [°]		Euroclass E _L (as part of a system incl. Kaiflex ST s2 tubes: C _L -s2, d0)	Test acc. to DIN EN 13501-1
Density	Insulation insert	70 kg/m ³	
Compressive strength (compression strain at 10 % compression)	Insulation insert	≥520 kPa	In acc. with EN 826
Other certificates / approvals	Insulation insert	CFC-free	
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 Pipe support · self-adhesive

Colour: Black												
Copper pipe Cu			Iron & steel pipe Fe		Max. support interval m	13 mm Insulation thickness			19 mm Insulation thickness			
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm		OD mm	Reference	Order No.	OD mm	Reference	Order No.	
	3/8	10.0			2.00	36.0	RT-ST13x010	4002234	48.0	RT-ST19x010	4002266	
3/8	1/2	12.0			2.00	38.0	RT-ST13x012	4002235	50.0	RT-ST19x012	4002267	
1/2	5/8	15.0			2.00	41.0	RT-ST13x015	4002236	53.0	RT-ST19x015	4002268	
					2.00	44.0	RT-ST13x018	4002237	56.0	RT-ST19x018	4002269	
3/4	7/8	22	1/2	21.3	2.75	48.0	RT-ST13x022	4002238	60.0	RT-ST19x022	4002271	
1	1 1/8	28	3/4	26.9	3.00	54.0	RT-ST13x028	4002240	66.0	RT-ST19x028	4002273	
1 1/4	1 3/8	35	1	33.7	3.50	61.0	RT-ST13x035	4002242	73.0	RT-ST19x035	4002276	
1 1/2	1 5/8	42	1 1/4	42.4	3.75	68.0	RT-ST13x042	4002243	80.0	RT-ST19x042	4002278	
			1 1/2	48.3	4.25	74.0	RT-ST13x048	4002244	86.0	RT-ST19x048	4002279	
2	2 1/8	54			4.25	80.0	RT-ST13x054	4002246	93.0	RT-ST19x054	4002280	
					4.25	83.0	RT-ST13x057	4002247	95.0	RT-ST19x057	4002281	
			2	60.3	4.25	86.0	RT-ST13x060	4002248	98.0	RT-ST19x060	4002282	
					4.75	92.0	RT-ST13x064	4002249	104.0	RT-ST19x064	4002283	
					4.75	98.0	RT-ST13x070	4002251	110.0	RT-ST19x070	4002284	
2 13/16	3	76.1	2 1/2	76.1	4.75	104.0	RT-ST13x076	4002252	116.0	RT-ST19x076	4002285	
			3	88.9	5.50	117.0	RT-ST13x089	4002254	129.0	RT-ST19x089	4002287	
4	4 1/4	108			6.00	136.0	RT-ST13x108	4002256 *	148.0	RT-ST19x108	4002288 *	
			4	114.3	6.00	144.0	RT-ST13x114	4002257	156.0	RT-ST19x114	4002289	
				125.0	6.00							
		133			6.00	163.0	RT-ST13x133	4002259 *	175.0	RT-ST19x133	4002291 *	
			5	139.7	6.00	170.0	RT-ST13x140	4002260	182.0	RT-ST19x140	4002292	
		159			6.00	190.0	RT-ST13x160	4002261	202.0	RT-ST19x160	4002293	
				168.3	6.00	196.0	RT-ST13x168	4004916 *	208.0	RT-ST19x168	4002294	
		219		219.1	6.00	247.0	RT-ST13x219	4002263	259.0	RT-ST19x219	4002296	

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	25 mm Insulation thickness			32 mm Insulation thickness			
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm		OD mm	Reference	Order No.	OD mm	Reference	Order No.	
	3/8	10.0			2.00	60.0	RT-ST25x010	4002301	74.0	RT-ST32x010	4002326	
3/8	1/2	12.0			2.00	62.0	RT-ST25x012	4002302	76.0	RT-ST32x012	4002327	
1/2	5/8	15.0			2.00	65.0	RT-ST25x015	4002303	79.0	RT-ST32x015	4002328	
					2.00	68.0	RT-ST25x018	4002304	82.0	RT-ST32x018	4002329	
3/4	7/8	22	1/2	21.3	2.75	72.0	RT-ST25x022	4002305	86.0	RT-ST32x022	4002330	
1	1 1/8	28	3/4	26.9	3.00	78.0	RT-ST25x028	4002306	92.0	RT-ST32x028	4002331	
1 1/4	1 3/8	35	1	33.7	3.50	85.0	RT-ST25x035	4002307	99.0	RT-ST32x035	4002332	
1 1/2	1 5/8	42	1 1/4	42.4	3.75	92.0	RT-ST25x042	4002308	106.0	RT-ST32x042	4002333	
			1 1/2	48.3	4.25	98.0	RT-ST25x048	4002309	112.0	RT-ST32x048	4002334	
2	2 1/8	54			4.25	104.0	RT-ST25x054	4002310	118.0	RT-ST32x054	4002335	
					4.25				121.0	RT-ST32x057	4005816 *	
			2	60.3	4.25	110.0	RT-ST25x060	4002311	124.0	RT-ST32x060	4002336	
					4.75	116.0	RT-ST25x064	4002312	130.0	RT-ST32x064	4002337	
					4.75				136.0	RT-ST32x070	4002338	
2 13/16	3	76.1	2 1/2	76.1	4.75	128.0	RT-ST25x076	4002313	142.0	RT-ST32x076	4002339	
			3	88.9	5.50	141.0	RT-ST25x089	4002314	155.0	RT-ST32x089	4002341	
4	4 1/4	108			6.00	160.0	RT-ST25x108	4002315 *	174.0	RT-ST32x108	4002343 *	
			4	114.3	6.00	168.0	RT-ST25x114	4002316	182.0	RT-ST32x114	4002344	
									190.0	RT-ST32x125	4006705 *	
		133			6.00		RT-ST25x133	4002317	201.0	RT-ST32x133	4002345 *	
			5	139.7	6.00	194.0	RT-ST25x140	4002318	208.0	RT-ST32x140	4002346	
		159			6.00	214.0	RT-ST25x160	4002319	228.0	RT-ST32x160	4002347	
				168.3	6.00	220.0	RT-ST25x168	4002320	234.0	RT-ST32x168	4002348	
		219		219.1	6.00	271.0	RT-ST25x219	4002322	285.0	RT-ST32x219	4002349	

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 FT Technical Data

Material		Load bearing PIR inserts embedded in a layer of elastomeric foam based on synthetic rubber. Covered by a diffusion-tight metallic film	
Colour		Black	
Max. service temperature		+85 °C	
Min. service temperature		-50 °C	See remark (1)
Thermal conductivity		see Kaiflex KKplus s3	
Water vapour permeability	Moisture resistance factor μ	see Kaiflex KKplus s3 No separate vapour barrier required	
Euroclass [°]		E	Test acc. to DIN EN 13501-1
Density	Insulation insert	120 kg/m ³	
Other certificates / approvals	Insulation insert	CFC-free	
	Storage temperature	≥ +10 °C	
	Application temperature	≥ +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 FT Strip support



Colour: Black · Length: 2 m

Reference	Order No.	Insulation Thickness mm	Width mm	m / carton	pcs/ carton
FT-KK+013	4004055 *	13	75	24	12
FT-KK+019	4004056	19	100	20	10
FT-KK+032	4004057	32	100	12	6

* No stock item, delivery time on request.

