

KALFLEX Flexible Wear Protection

**Effective Wear Protection in Pipes and Elbows
Adapts to Movement Quickly and Easily**



KALFLEX wear resistant flexible pipe systems provide a cost-effective solution for connecting conveying system components that move due to vibration, thermal expansion, or as a result of intended movement. The flexible system can be easily integrated into existing pipe systems using normal flanging and works well in pneumatic conveying equipment. The elbows are useful in replacing worn components of undetermined angle or radius.

The interior of flexible KALFLEX is composed of individual wear resistant segments to provide flexibility. The segments are enclosed in an engineered rubber jacket to ensure stability and tightness.

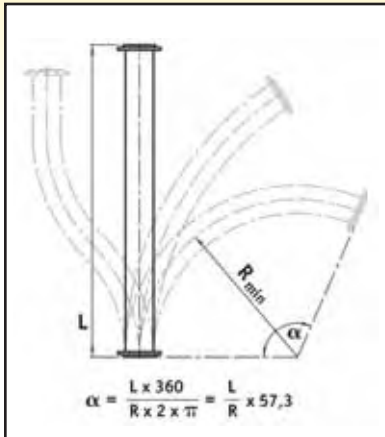
Depending on the application, KALFLEX piping components can be supplied with KALMETALL®-C hard cast iron or ALRESIST® high alumina ceramic.

- Quick, easy, cost-effective installation.
- Uses a variety of flange and coupling connections.
- Flexible radius and angle positions.
- Maximum temperatures up to 180°C/356°F.
- Sizes range from 20 to 150 mm (0.79" to 5.91") ID.
- Maximum 10 bar pressure (145 psi).
- Absorbs vibration and thermal expansion.
- Isolates weighing equipment.
- Highly wear resistant.

KALFLEX
Flexible wear protection

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KALFLEX Components Lined with KALMETALL®-C or ALRESIST® Protect Pipe and Bends From Extreme Wear



KALMETALL®-C
For Impact Wear and Sliding Abrasion

KALMETALL-C hard cast iron segments are used in KALFLEX components to withstand wear from impact and sliding abrasion. Select from a variety of alloying compounds with hardness from 580-700 HV, to optimize protection in specific applications. Diameters range from 20 mm to 150 mm (.79" to 5.91" ID).

ALRESIST®
For Use in Extreme Wear

ALRESIST alumina oxide ceramic segments with a Moh's hardness of 9, are used in KALFLEX components exposed to extreme abrasive wear. When ALRESIST is used, the end segments are made of KALMETALL-C and the flanges are carbon steel for strength. Diameters range from 50 mm to 100 mm (1.97" to 3.94" ID).

KALFLEX Dimensions for KALMETALL®-C(K) or ALRESIST®(A)																
Type	Dimensions								Weight							
	Pipe ID		Length				Radius minimum		K				A			
			L min.		L max.				L min.				L max.			
	mm	inches	mm	inches	mm	inches	mm	inches	kg	lbs	kg	lbs	kg	lbs	kg	lbs
K	20	0.79	210	8.27	1510	59.45	250	9.84	4.7	10.3			12.5	27.5		
K	25	0.98	210	8.27	1510	59.45	250	9.84	5.9	13			15.8	34.8		
K	32	1.26	288	11.34	1548	60.94	300	11.81	7.5	16.5			20.1	44.2		
K	40	1.57	285	11.22	1558	61.34	350	13.78	10.3	22.7			31.2	68.6		
K/A	50	1.97	284	11.18	2070	81.50	459	18.07	13.6	29.9	13.2	29	44	96.8	36	79.2
K/A	65	2.56	345	13.58	2055	80.91	600	23.62	17.1	37.6	16.3	35.9	54.9	120.8	39.7	87.3
K/A	80	3.15	345	13.58	2530	99.61	800	31.50	19.9	43.8	19	41.8	79.7	175.3	58.1	127.8
K/A	100	3.94	365	14.37	2550	100.39	1000	39.37	26.5	58.3	25.5	56.1	102.4	225.3	78.4	172.5
K	125	4.92	500	19.69	2590	101.97	1200	47.24	34.7	76.3			128.2	282		
K	150	5.91	509	20.04	2542	100.08	1400	55.12	48.5	106.7			153	336.6		

Abresist Corporation offers pre-engineered linings matched to each application. Our services include:

- Engineering
- Installation on-site
- Complete steel fabrications
- Supervision of customer or contractor labor

Experience with:

- Bottom and fly ash
- Ore
- Coal/coke
- Iron oxide
- Dried sewage fertilizer
- Cement/clinker
- Grain
- Carbon
- Limestone
- Sand
- Glass/cullet
- Hog fuel/woodchips



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