

KALFLEX. FLEXIBLE HOISING SYSTEM

Material Data Sheet



Applications

Hydraulic or pneumatic conveying of highly abrasive materials such as granules, quartz sand, sludge, lime powder or coal dust. KALFLEX works for components which are exposed to conscious movement forces, vibration or temperature changes.

Technical Description

- Inner tube: highly wear-proof ceramic lining.
- Reinforcement: woven inlay with steel spirals.
- Rubber sleeving: weather-resistant and durable EPDM.
- Temperature ranges: -40°C to +80°C / -40°F to +176°F.

Flangesystem / Installation

- KALFLEX hoses are fitted with SPLIT-END FLANGE and must be used to the following maximum working pressure:
 - ID ≤ 150 mm: 10 bar,
 - ID > 150 mm:
 - 10 bar for static application (no hose movement, no water hammer, no traction) and/or temperature max < 40°C / 104°F.
 - 5 bar for dynamic application and/or temperature > 40°C / 104°F.

Complementary information

- KALFLEX hoses are manufactured and delivered in multiple length of 1.0 m.

A wide range for all your applications:

Dimensions			Pressure		
Internal diameter mm	Radius R min. mm	Ceramic thickness mm	Operating pressure max. bars	Pressure below atmospheric max. bars	Weight kg/m
50 -0/+1	200	4	10	0,9	4,8
65 -0/+1	300	4	10	0,9	5,8
80 -0/+1	350	4	10	0,9	6,7
100 -0/+1	400	4	10	0,9	8,2
125 -0/+1,5	600	4	10	0,9	10,1
150 -0/+1,5	700	4	10	0,9	11,9
200 -0/+2	1300	4	10/5	0,9	16,7

FLANSCHSYSTEM: SPLIT-END FLANGE

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Advantages

- SPLIT-END FLANGE can be adjusted easily for fitting and will not deform in service.
- Quick and easy to replace.
- The flanges can be removed from a damaged hose and reused on replacement.
- A lightweight flange system.

Technical description

- Standardised drilling.
- Working pressure:
 - ID \leq 150 mm: 10 bar,
 - ID $>$ 150 mm:
 - 10 bar for static application (no hose movement, no water hammer, no traction) and/or temperature max $<$ 40°C/104°F.
 - 5 bar for dynamic application and/or temperature $>$ 40°C/104°F.

Complete Flangesystem SPLIT-END FLANGE with half shells, gasket and bolts / nuts / washers.

