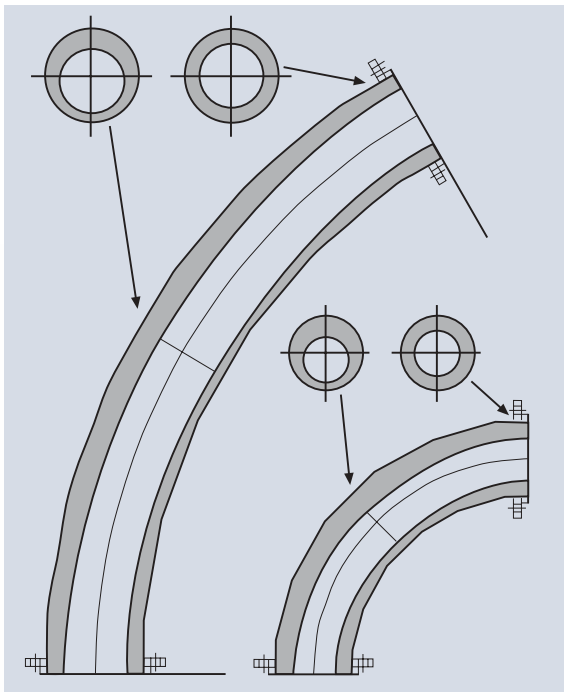


Jointless Lining...

Comprehensive Program for Pipes and Bends with KALCRET



Pipes and bends with an inside diameter of more than 40 mm can be lined with KALCRET.

Pipes and bends up to 600 mm inside diameter are lined with KALCRET cast compound while lining with KALCRET trowelled compound is more economic for pipes and bends of larger diameter.

The advantage of the KALCRET wear protection is that the lining can be made thicker in the outer radius of the bend where it is subject to higher wear (asymmetric cross section).

Thanks to the production process, the manufacture of radii is highly flexible. Even particularly small radii can be fabricated.

All pipe connections of the well-known Kalenborn program can be used.

Wear can be monitored with the aid of KALDETECT.

Benefits:

- minimum inside diameter 40 mm
- radii of more than 500 mm (variable)
- pipe length up to 5,000 mm
- jointless lining with a minimum thickness of 20 mm
- asymmetric cross section possible
- connections as defined in standard specification Rd 6a
- wear monitoring by KALDETECT

Production by Kalenborn: Comprehensive Program, Jointless Lining, Asymmetric Configuration and Small Radii

Standard program for KALCRET pipes and bends

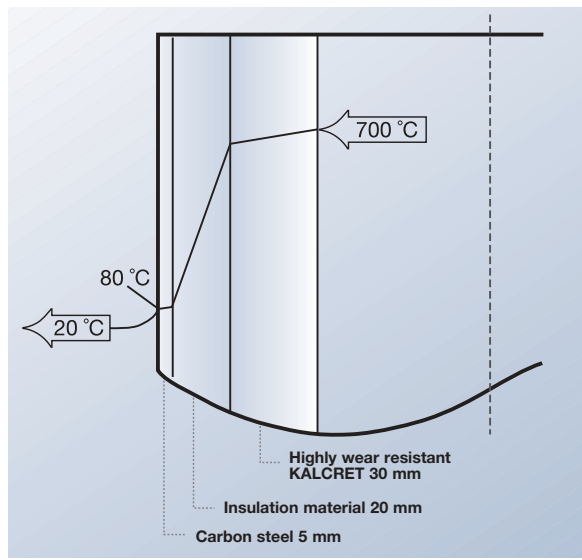
Inside diameters
80 mm
100 mm
125 mm
146 mm
150 mm
175 mm
200 mm

Pipe lengths
500 mm
1,000 mm
1,500 mm
2,000 mm
3,000 mm

Bends Radii	Angles		
	45°	60°	90°
750 mm	45°	60°	90°
1,000 mm	45°	60°	90°
1,500 mm	30°	45°	60°
2,000 mm	15°	30°	45°
2,500 mm	15°	30°	45°
3,000 mm	15°	30°	45°

Other dimensions available as well

KALCRET pipes for use at high temperatures



Pipes lined with KALCRET and characterized by a specific wall construction are offered for use at high temperatures.

A particular insulation material has been mounted between the steel shell and the wear resistant KALCRET hard compound.

This system offers the following advantages:

- temperature difference up to 620 °C / 1,148 °F at a wall thickness of 55 mm
- low pipe weight thanks to minimized pipe dimensions
- use of cost effective carbon steel as structural material
- excellent wear protection at extremely high temperatures up to 1,000 °C / 1,832 °F

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