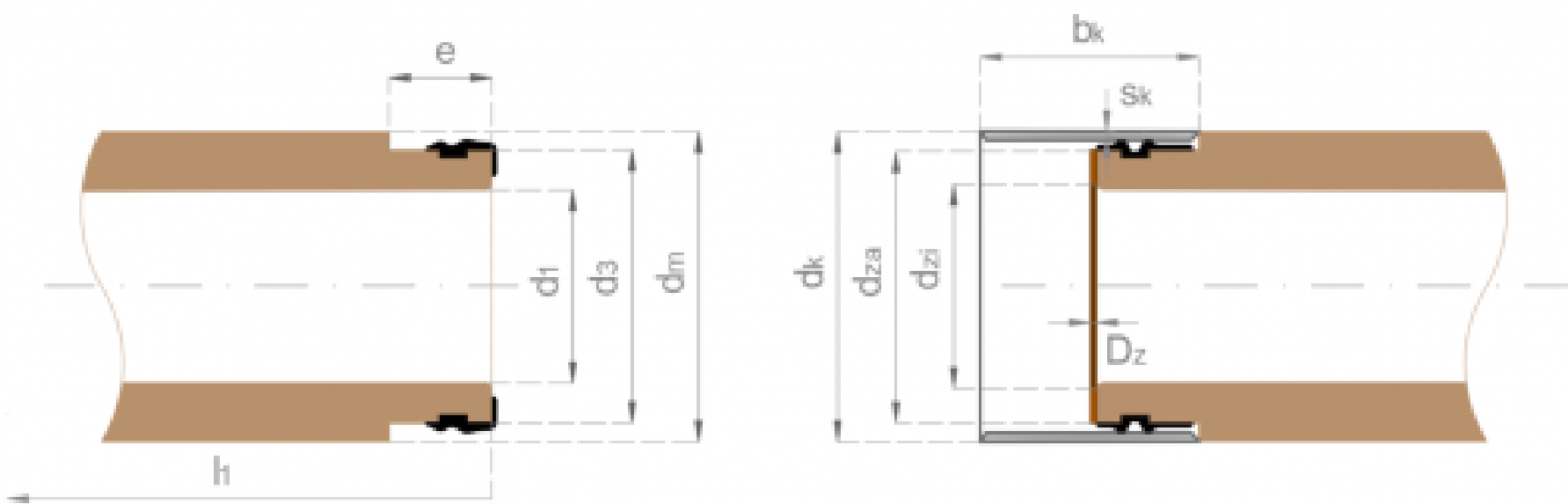


KERA.DRIVE  
JACKING PIPES



TECHNICAL DRAWING



NOMINAL SIZE DN 500

150

200

250

300

400

500

600

LENGTH (CM)

100

200

WEIGHT  
264 kg/m

CRUSHING STRENGTH FN  
120 kN/m

CHARACTERISTICS

			DN 500
Internal diameter	d <sub>1</sub>	mm	494,5 +/-5
Spigot diameter	d <sub>3</sub>	mm	616,5 +0/-1

External pipe diameter	mm	mm	mm
Assembly depth	e	mm	55
Pipe length	l <sub>1</sub>	mm	1984
Coupling diameter	d <sub>k</sub>	mm	628,5
Coupling thickness S <sub>k</sub> / mm	s <sub>k</sub>	mm	2
Coupling width	b <sub>k</sub>	mm	115
Thickness of thrust ring	D <sub>z</sub>	mm	18
Jacking force pilot pipe jacking*		kN	2100
Jacking force microtunneling*		kN	1900

BRIEF DESCRIPTION

- \* Please note:
- The maximum permissible jacking force must be calculated in each case according to the applicable regulations, e.g. DWA-A 161 of March 2014 .
  - Values given here serve only as a guide for planning
  - This is subject to the condition that the effective jacking forces are continuously monitored and logged during the jacking process
  - The maximum pressure of the jacking device must be limited to the permissible jacking force

Our jacking pipes with nominal sizes DN 400 to DN 600 have a new, intelligent joint system.

The joint system consists of two identical mechanical joints. The seal is pre-installed beneath the coupling on one side. The second joint and the required thrust ring are supplied separately to ensure the greatest possible protection from weather-related influences. While the thrust ring is used on the coupling side, the second joint is simply attached and fixed to the factory-machined groove at the spigot. Note that the joint, after mounting, at first projects beyond the facing of the spigot.

When the pipes are brought together – that is, when the spigot is inserted – the joint is rolled back and slides over the spigot with minimal friction.The joint material is so constructed that the use of lubricant during assembly on site is neither recommended nor necessary. This KERA.Drive joint system reliably withstands an internal and external pressure exceeding 0.5 bar.

Coupling made of corrosion-resistant stainless steel In accordance with EN 295 with pre-installed rubber joint and thrust ring made of wood composite.

