obduramus®

CIRCUM-LEM

Liner end sleeve with DIBt approval – At the end, it's all sealed

- Compression seal
- Pipe diameter DN 150 – DN 400
- Application:
  Connecting and sealing liner ends on pipes and structures, protecting vulnerable liner ends.

Obduramus Circum-LEM

At the end, it's all sealed

The Circum-LEM liner end sleeve has been approved by the DIBt (German Institute for Structural Engineering). It is using mechanical compression and seals the liner ends in pipes. Expanding the stainless steel sleeve presses the EPDM seal against the inliner and also permanently seals it to the host pipe. The EPDM seal's special geometry ensures the bridging and sealing of any gaps within the lined pipe end.

Technical Information

Width	*250 mm*
Nominal width	*DN 150 – DN 400*
Seal	*EPDM approval in accordance with DIN-EN 681-1*
Stainless steel sleeve	*1.4404*

Advantages of the Circum-LEM

- DIBt approval
- Patented external lock
- No protruding obstacles
- Packer-protecting
- Fully fitted and ready to mount
- Free from environmentally harmful lubricants

The system has been tested by IKT for resistance high pressure flushing and for water tightness under external pressure.

- P07104-T01 water tightness under external pressure
- P07104-T06 Field test and water tightness test

Test report available for download from our website.

Obduramus Circum-LEM

Liner end sleeve

Item number	Liner end sleeve DN	Sleeve length	V4A stainless steel sleeve			EPDM rubber seal			Designed for pipes:		Liner thickness		Cut-back Liner	Weight
			Sheet thick-ness	Roll size	Max. ex-pansion	Rubber thick-ness	Height knobs Liner	Height knobs Pipe	Min. internal Ø	Max. internal Ø	min.	max.		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
6-150 LEM	150	250	1,0	117	154	2,0	4,0	11,0	147	176	3,0	9,0	100 – 140	1,42
6-200 LEM	200	250	1,2	150	204	2,0	4,0	11,0	180	226	3,0	9,0	100 – 140	2,1
6-250 LEM	250	250	1,2	190	254	2,0	5,0	11,0	220	276	3,0	9,0	100 – 140	2,4
6-300 LEM	300	250	1,2	235	306	2,0	5,0	11,0	265	328	3,0	9,0	100 – 140	3,2
6-400 LEM	400	250	1,5	325	407	2,0	5,0	11,0	355	429	3,0	9,0	100 – 140	4,8

Dimensions within the scope of our production tolerances

Stand: 05.2023