

CIRCUM MINI



obduramus® CIRCUM-MINI

**Internal repair sleeve
with DIBt approval –
for small to medium diameters**

- ⊙ Compression seal
- ↔ Pipe diameter DN 150 – DN 800
- ✱ Application:
Longitudinal cracks, radial cracks, leaky pipe connections, missing wall sections, abandoning unused laterals, replacing missing formwork behind liners, part formation.

Obduramus Circum-MINI For small to medium diameters

The Circum-MINI stainless steel repair sleeve is an internal pipe sleeve which has been approved by the DIBt (German Institute for Structural Engineering). It is positioned over the damaged spot using an inflatable packer and then pressed against the pipe walls. Expanding the stainless steel sleeve presses the EPDM seal against the inner pipe walls and permanently seals the damaged spot.

Technical Information

Width	400 to 450mm
Nominal width	DN 150 – DN 800
Seal	EPDM approval in accordance with DIN-EN 681-1
Stainless steel sleeve	1.4404

Advantages of the Circum-MINI:

- DIBt approval
- Patented external lock
- No protruding obstacles
- Packer-protecting
- Fully fitted and ready to mount
- Free from environmentally harmful lubricants
- Internal pressure tested up to 16 Bar

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

- P07104-T02 water tightness test
- P07104-T03 field test

Test report available for download from our website.

Obduramus Circum-MINI

Internal repair sleeve

Item number	Sleeve DN	Sleeve length	Total Ø rolled	V4A stainless steel sleeve			EPDM seal			Designed for pipes:		Individual Sealing length	Total weight
				Sheet thickness	Roll size	Max. expansion	Rubber thickness	Sealing knob height	Height incl. knobs	Min. internal Ø	Max. internal Ø		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
1-150 Mini*	150	400	129	1,0	117	154	2,0	5,0	7,0	140	162	310	2,11
1-200 Mini	200	400	164	1,2	150	204	2,0	5,0	7,0	175	215	310	3,2
1-225 Mini	225	400	180	1,2	165	222	2,0	5,0	7,0	190	232	310	
1-250 Mini	250	420	202	1,2	190	254	2,0	5,0	7,0	215	262	330	4,4
1-300 Mini	300	420	251	1,2	235	306	2,0	6,0	8,0	262	316	330	5,2
1-375 Mini	375	420	310	1,2	290	390	2,0	8,0	10,0	320	398	330	
1-400 Mini	400	420	345	1,5	325	407	2,0	8,0	10,0	355	420	330	8,1
1-450 Mini	450	450	382	1,5	360	460	2,5	8,0	11,0	400	468	350	
1-500 Mini	500	450	442	1,5	420	506	2,5	8,0	11,0	451	520	350	10,6
1-525 Mini	525	450	442	1,5	420	530	2,5	8,0	11,0	455	538	350	
1-600 Mini	600	450	531	2,0	510	610	2,5	8,0	11,0	541	623	350	13,3
1-700 Mini	700	450	621	2,0	600	714	2,5	8,0	11,0	631	727	350	
1-750 Mini	750	450	612	2,0	590	760	2,5	8,0	11,0	635	768	350	
1-800 Mini	800	450	721	2,0	700	810	2,5	8,0	11,0	731	823	350	

All sleeves are available without flaring, with one-end flared or both ends flared. Please specify when ordering..

Dimensions within the scope of our production tolerances..

*Serial installation of DN 150 is possible in stoneware with 2 sleeves..