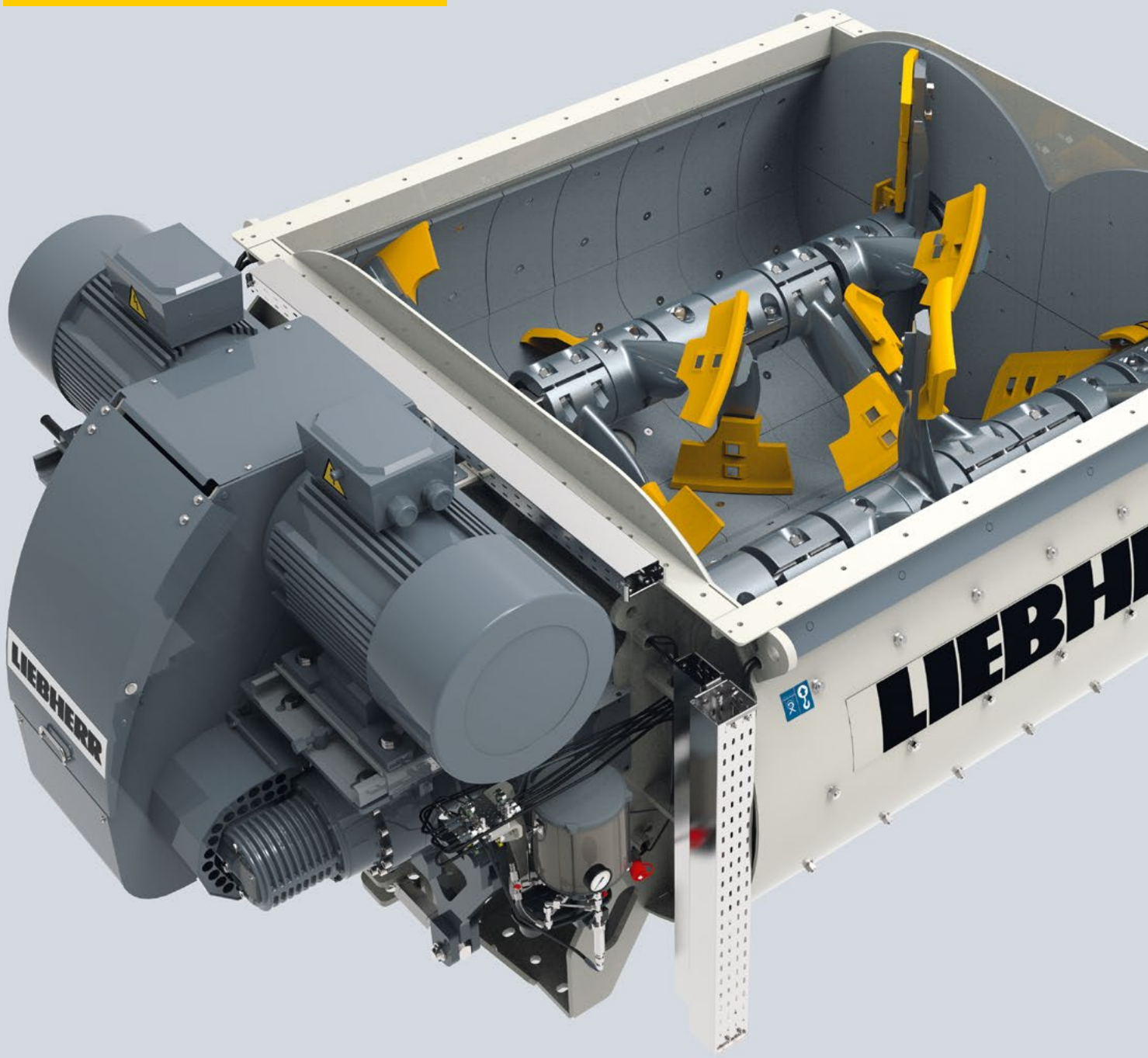
The perfect mixture

Robust and efficient

LIEBHERR

Twin-shaft mixers



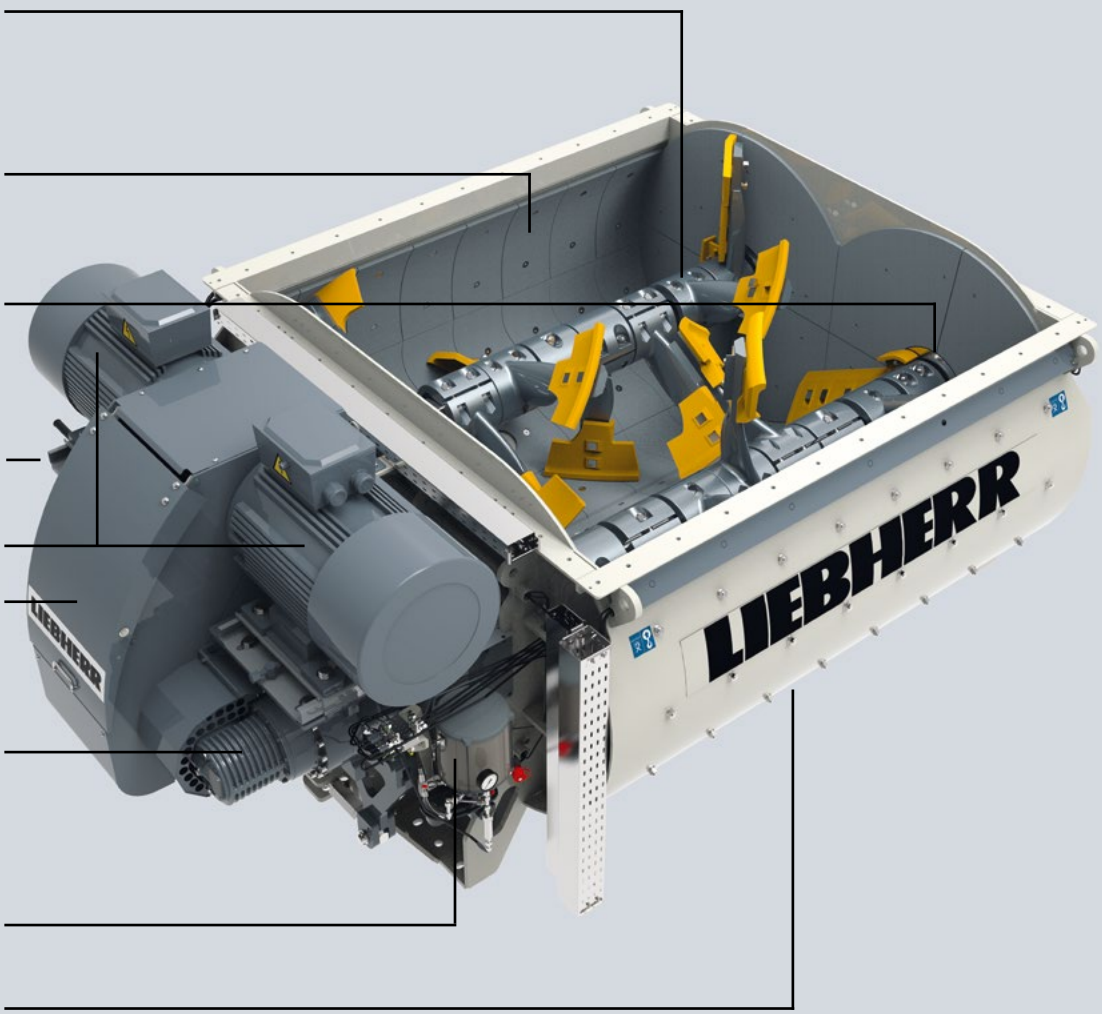
Twin-shaft mixers

Robust and efficient

The twin-shaft mixers made for ready-mix concrete with enhanced customer benefit

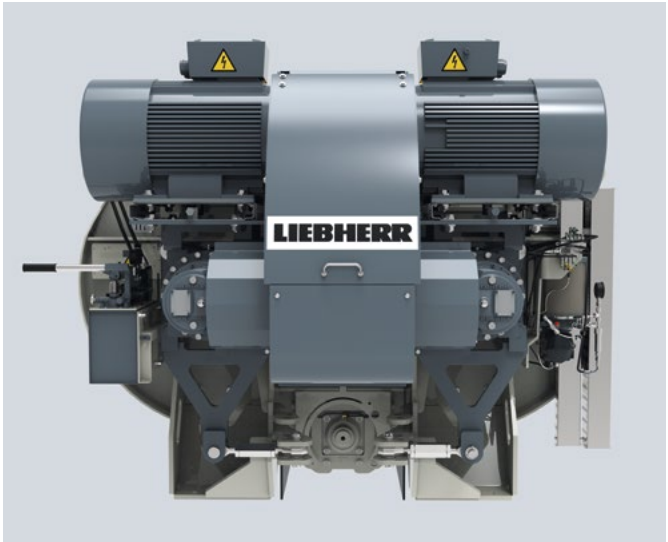
The new Liebherr twin-shaft mixers are setting a new benchmark regarding the economical production of ready-mix concrete. Many years of experience and special details ensure a maximum customer benefit by well-known Liebherr-quality. Liebherr twin-shaft mixers are honored by high mixing quality, short mixing times, the speed-optimised mixing process and good accessibility.

- Robust mixing tool with intertwining mixing arms in an arrangement of 60°
- Corrugated pattern of wear tiles made of chrome-nitrite chilled casting
- Wear-resistant labyrinth sealing in sectioned design
- External hydraulic double pump
- High-performance drive motors
- Clearly arranged service positions on the drive side
- Efficient powertrain with Liebherr planetary gearbox
- Central grease unit with special grease (CTK)
- Hydraulic mixer gate



Efficient powertrain

The Liebherr planetary gearboxes with particularly good efficiency and speeds of 0-45 rpm favour the speed-optimised mixing process and thus optimum energy input into the mix. Excellent mixing results can be realized in a short period. Independent hydraulic circuits ensure maximum operational safety and a long lifetime. One for the mechanics and one for the lubrication and for the cooling of the gearbox. Maintenance activities can be conducted quickly due to the clearly arranged service positions on the drive side. This results in a high availability of the mixer.



Improved wear properties

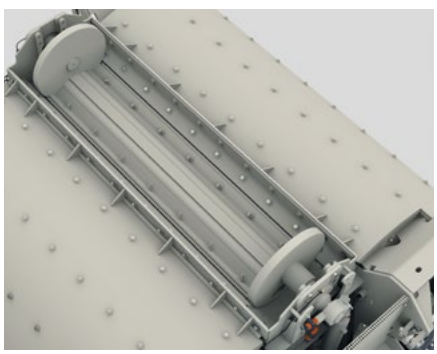
- The wear-resistant labyrinth sealing is protecting the bearings, which results in a longer lifetime. The sectioned design simplifies the disassembly of the sealing considerably in case of replacement.
- The usage of a central grease unit as standard with Liebherr special grease (CTK) results in a long lifetime of the seals and the bearings. The high-viscosity and water-repellent properties of the CTK grease is assuring the operation of the plant also among extreme conditions.

Robust mixing tool with wear tiles

- The mixer is designed for highest loads because of the robust mixing tool and the corrugated pattern of the wear tiles which are made of chromium carbide. The corrugated pattern prevents the gaps between the wear plates from washing out (wear) in an early stage.
- The arrangement of the mixing arms results in high shearing forces during the mixing process. Cement and admixtures are dissolved in an optimal way.

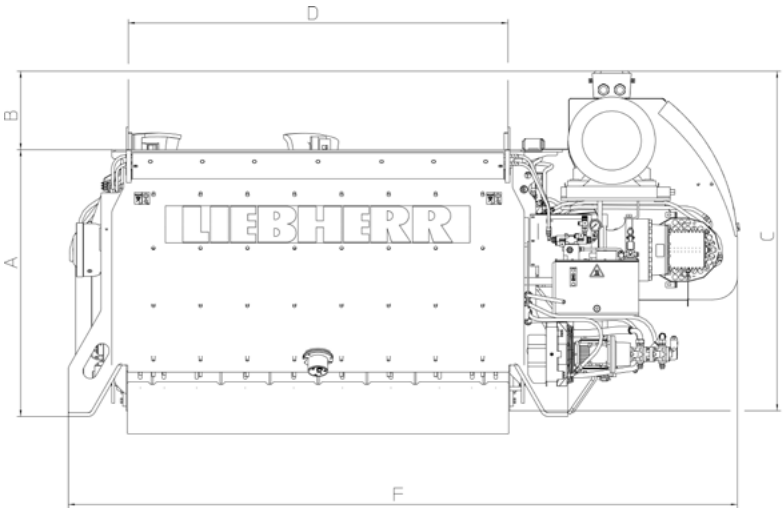
Hydraulic mixer gate

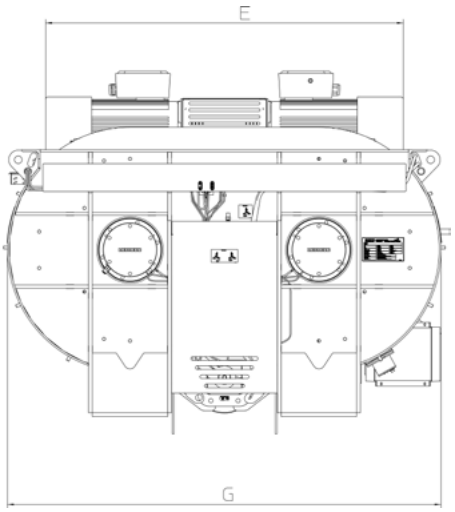
The hydraulic mechanism for closing the mixer gate utilizes high performance and control whilst maintaining maximum efficiency. There are no disruptions in the operation procedures because of clamped aggregates. The mixer gate is always closing properly and prevents soiling by outrunning concrete.



Twin-shaft mixers

Technical data





Options

– LiClean mixer high-pressure cleaning device
– Variable design of the mixer cover
– Others on request

Type			0.5	1.0	1.25	2.5	3.0	3.5	4.0	4.5
Nominal capacity according to DIN 459, part 1		m^3	0,5	1,0	1,25	2,5	3,0	3,5	4,0	4,5
Filling capacity		l	750	1500	1875	3750	4500	5250	6000	6750
Dimensions of the standard model	A	mm	943	943	1200	1465	1465	1300	1500	1500
	B	mm	310	310	460	432	432	460	460	460
	C	mm	1253	1253	1650	1842	1842	2000	2100	2100
	D	mm	1150	1600	1350	1832	2090	2650	2400	2400
	E	mm	1464	1464	1700	2030	2030	2050	2400	2400
	F	mm	2265	2715	2700	3425	3683	3975	3735	3735
	G	mm	1540	1540	2100	2387	2387	2400	2900	2900
Three-phase motor for the mixing tool		kW	2 x 18,5	2 x 18,5	45	75	2 x 55	2 x 55	2 x 75	2 x 75
Rotation speed of the mixing tool		rpm	0-45	0-45	0-27	0-30	0-30	0-24	0-24	0-24
Outer peripheral speed		m/s	1,9	1,9	1,5	2,0	2,0	1,6	1,9	1,9
Weight of the standard model		t	2,8	3,0	5,0	7,3	8,5	10,2	13,2	13,2

Liebherr-Mischtechnik GmbH · Postbox 145 · 88427 Bad Schussenried, Germany
Phone +49 7583 949-0 · info.lmt@liebherr.com · www.liebherr.com

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