

ISO 18650-1:2021 (E)

Building construction machinery and equipment — Concrete mixers — Part 1: Commercial specifications

Contents

	Foreword	
1	Scope	
2	Normative references	
3	Terms and definitions	
4	Description of the basic structures of concrete mixers	
4.1	Basic structure of gravity concrete mixers	
4.1.1	General	
4.1.2	Basic structure of self-loading mobile concrete mixer	
4.2	Basic structure of compulsory concrete mixers	
5	Commercial specifications	
5.1	Basic characteristics of a concrete mixer	
5.1.1	General data	
5.1.2	Detailed data for the concrete mixer components	
5.1.2.1	Motors and engines for mixing mechanisms	
5.1.2.2	Skip hoist or bucket with optional specifications	
5.1.2.3	Hydraulic or pneumatic installation for tilt mechanism	
5.1.2.4	Water dosing installation with optional specifications	
5.2	Dimensional characteristics of concrete mixers	
5.3	Other specifications for particular types of concrete mixers	
5.3.1	General	
5.3.2	Tipping drum gravity concrete mixer	
5.3.3	Reversing-drum concrete mixer	
5.3.4	Discharging-chute concrete mixer	
5.3.5	Pan-type concrete mixers	
5.3.5.1	General data	
5.3.5.2	Turbo concrete mixer	
5.3.5.3	Planetary and turbo-planetary concrete mixer	
5.3.5.4	Counter-current and concurrent operation concrete mixers	
5.3.5.5	Concrete mixer with (a) high-speed stirrer(s)	
5.3.6	Paddle concrete mixer	
5.3.7	Continuous-type concrete mixer	
5.3.8	Self-loading mobile concrete mixer	
Annex A	(informative) Examples of concrete mixer structures and dimensional characteristics	