

# BESTOLIAO

## Planetary Counterflow Mixer Gearboxes

The Involute Planetary Counterflow Mixer Gearbox is an outcome of specialized product development for the needs of the growing construction industry worldwide.

The gearbox works on the principle of counter flow mixing due to a rotating star rotor along with a rotating side scraper, which mix the raw materials to produce concrete with high homogeneity and quality within seconds!

To ensure the high quality of the gearbox, all gears and slewing housings are manufactured in-house. The gears are hardened and ground. Heavy-duty bearings are used to ensure the gearbox withstands the high loads.

An oil sump tank within the gearbox absorbs heat and keeps the gearing well lubricated without any need for external cooling. Provisions are made for installation of side scrapers on each gearbox.

The gearbox with its cast iron housing and robust construction, can withstand continuous operation for years.

Currently operational at several locations worldwide, the gearbox is a perfect and economical solution for a ready mix concrete plant.

**Accessories Available:** Star rotors, motor mounting flanges, flexible coupling or fluid coupling for overload protection.

**Applications:** Concrete ready mix, blocks, bricks, roof tiles, pipes, asphalt mixing, glass, ceramics etc.



### Benefits:

- ⚙️ *Planetary action of star rotors produces highly homogeneous mixture within seconds*
- ⚙️ *Suitable for all grades of concrete*
- ⚙️ *Easy assembly on the mixer pan*
- ⚙️ *Low noise & highly efficient gearing*
- ⚙️ *Heavy duty bearings & triple oil seals*
- ⚙️ *Durable and robust construction with easy maintenance*

Model	CMG300	CMG500	CMG750	CMG1125	CMG1500	CMG1875	CMG2250
Maximum Input (lit.)	300	500	750	1125	1500	1875	2250
Maximum Input (kg.)	480	750	1200	1800	2400	3000	3600
Output Capacity (lit.)	200	330	500	875	1000	1500	1750
Motor Power Input (kW)	5.5 – 7.5	11 - 15	18.5 - 30	30 - 37	37 - 45	45 - 55	55 - 75
RPM of Slewing Body	13	13	12	12	10	10	10
RPM of Star Rotors	39	39	36	36	36	36	36
Number of Star Rotors	1	1	1	1	2	2	2
Number of Side Scrapers (Installation Provision)	1	1	1	1	2	2	2
Sweep Diameter (mm)	~1500	~1600	~2000	~2200	~2400	~2600	~2800
Coupling	Flexible	Flexible	Flexible	Flexible	Flexible	Flexible*	Flexible*
Weight (kg)	300	450	1175	1250	2300	2350	2400

\* Fluid Coupling Option Available at Extra Cost