

MEKA

MBF SERIES

BELT FEEDERS

FOR CONSISTENT
FEED RATE

MEKA Belt Feeders are chosen for their outstanding life characteristics and durability in the harshest conditions.

MEKA has developed belt feeders to suit the most demanding applications in the mining industry.

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Belt feeders are short belt conveyors that are specifically designed for material flow regulation, extracting material from one area and ensuring that downstream equipment receives the appropriate volume.

These short conveyors are employed to extract material under dump hoppers or surge bins and to provide the desired, continuous feed rate for screens, crushers, and conveyors. Belt feeder design thus needs to consider all specific requirements determined by the material being moved, as well as capacity and geometry.

The rugged design and features such as robust heavy-duty idlers, frames, abrasion resistant liners and chute work help significantly increase service life. Additionally, components are easy to access, which simplifies the maintenance process, so spare and wear parts can be quickly and easily replaced with minimal downtime. We also offer a wide range of additional features and services for these feeders to enable maximum efficiency of your operations.

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PRODUCT FEATURES

- Belt speed range: 0.01 - 0.6 m/s (i.e. adjusted when drive components selected, or with optional frequency converter)
- Material height adjusting gate range: selected based on the biggest lump size of the handled material and can be adjusted typically 75 - 120 mm from factory preset value
- Installation inclination: standard horizontal,
- Mounted from structures above
- Power transmission through bevel hollow shaft gear, or planetary gear directly from motor
- Oil bath lubrication in gearbox, idlers prelubricated for lifetime, housings grease lubrication
- Feeder components are of heavy duty type
- Welded frame including heavy steel profiles
- Belt tightening is maintained by screw take-up device,

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TECHNICAL SPECIFICATIONS



		MBF 6515	MBF 8020	MBF 8025	MBF 1020	MBF 1025
W x L	mm	650x1545	800x2100	800x2540	1000x2100	1000x2540
	inchxfeet	26x5	31x7	31x8	40x7	40x8
Drive	kW	2.2	4	4	5.5	5.5
	HP	3	5.5	5.5	7.5	7.5
Capacity	mtph	250	350	350	450	450
	stph	275	385	385	495	495
Belt Speed	m/sec	0.35	0.35	0.35	0.35	0.35
	ft/min	69	69	69	69	69

>> At specified inclination and 1.6 t/m3. Capacities depend not only on feeder size but also on feeder inclination, feed gradation, etc.
Other sizes are also available on request.