

#### Main features

- Special roller table design
- Re-inforced fan
- Heavy duty fan cover
- Gearbox and motor housings in greycast iron (ductile iron on request)
- Motor windings developed for mains and frequency inverter duty providing brake out torques up to 4 times nominal torque
- Direct-On-Line with high number of starts and stops
- Stalling and blocking times of up to 5 min
- Gearbox housings and gearwheels designed for heavy duty shock load
- Thermistors protect motor windings
- Insulation classes F and H
- Seals designed for high temperatures
- High resistant paint coating
- Enclosure IP 65 as standard (IP 66 on request)



# Roller Table Geared Motors

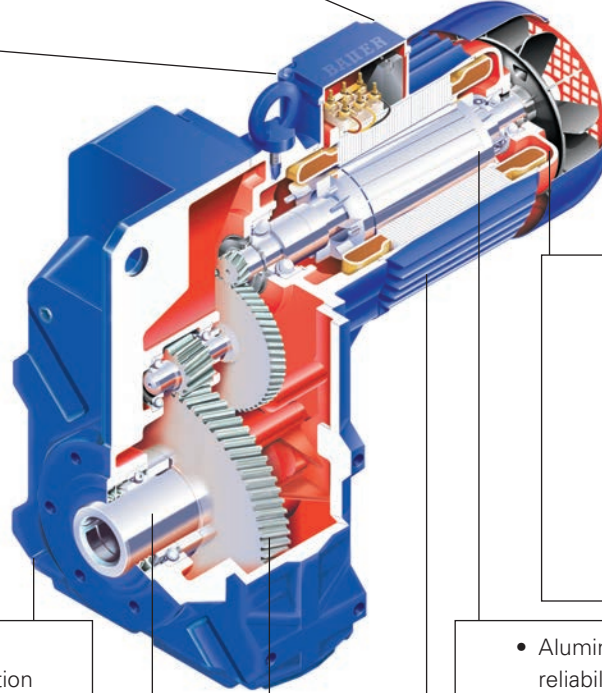
Solutions for the Metal Processing Industry

Bauer Gear Motor supplies modern drive solutions for all industry sectors in which material must be moved. The customer benefit lies in the robustness and durability of our products. The simple and cost effective installation, the minor service necessity and the high efficiency reduce the costs throughout the whole life of the drive. Bauer Gear Motor is available with highly qualified advisors, technicians and fitters for you all around the world. They speak your language – in every sense of the word.

Typical for the steel industry is that all equipment is set under extremely arduous ambient conditions. These include heat, cooling water jets, tinder, dust and heavy charging generating high shock loads on the gearboxes. Bauer Gear Motor is known for its heavy duty geared motors which are especially designed to master all these extreme conditions. For this purpose Bauer Gear Motor has developed a special series for the steel industry, the so called „Roller Table“ geared motors. Typical applications for the geared motors are transporting steel and non-ferrous metals in various forms in and out of furnaces, towards various working stations where the steel is formed into plates, tubes and wires up to the finishing line and then to despatch.



- CAGE CLAMP®
- connection technology as standard.
- Optional with conventional terminal board.



- State-of-the-art gearbox housing designed for operation under harsh conditions.
- Compact closed housing is ideal for preventing lubricant loss and dirt build-up.
- High tensile cast housing.
- Vibration-free housing, noise absorbent and resistant against chemical effects.
- The housing is machined in a single clamping process.

- Series BF as standard in 2-stage design, as from BF80 3-stage.
- Attachment by means of hollow shaft, solid shaft, torque arm, flange or foot.
- Higher ratios available through attachment of a purpose built pre-stage or pre-connected gearbox.
- Reduced axial space requirement using hollow shaft design with torque arm. Coupling no longer necessary.
- No expensive leveling as foundation and foot plate or flange not required.

- The stator winding is manufactured from high quality enamelled copper wire with state-of-the-art three layer insulation in the groove and winding head.
- The stator winding is impregnated with a damp-proof and drip-free resin.
- The electrical design of the motor is adapted to the gearbox.

- Aluminium die cast cage rotor ensures a high reliability at high starting torques and low starting currents.
- Pull-up torques are mostly avoided.

- Stator housings with jacket and cooling fins are manufactured in one casting and ensure efficient heat dissipation.
- Motor housings, bearing covers and terminal boxes made of corrosion resistant aluminium die casting.
- Stator housings also available in cast iron.
- Spacious terminal box also completely sealed against dust and water spray.
- A large measure on safety through sturdy cable lugs on the winding ends.
- Handy terminals allow easy connection.

- Gear wheels made of high tensile and case hardened steel.
- Highly wear resistant through flank hardness of 60-62 HRC.
- Impervious to shock.
- Tooth flanks shaved, hobbled or ground.
- Strong, non-flexible pinion shafts and bearings guarantee an exact tooth meshing.

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