M. HANIF & SONS

Industrial gearboxes, gearmotors and vacuum pumps

TECHNICAL DATASHEET

Ref: MHS-K-SERIES-HEL

HELICAL, BEVEL & WORM GEARMOTORS IN PAKISTAN

SEW Type K Series Helical-Bevel Gearmotor

Heavy-duty 90° right-angle SEW-type K series helical-bevel geared motor (>96% efficiency) designed for continuous 24/7 cement, textile, sugar, and extrusion drives.

DRIVE	GEARING	EFFICIENCY
90° Right angle	**Helical + bevel stages**	**>96% continuous duty**

TECHNICAL SPECIFICATIONS

Series	**K (K foot / KF flange / KA hollow bore / KAF shrink disc)**
Gear type	**Three-stage helical-bevel (90° right-angle drive)**
Power range	**0.37 kW to 45+ kW (50 Hz 380V/415V 3-phase / VFD ready)**
Mechanical efficiency	**Above 96% across all standard ratios**
Housing & Gears	**Close-grained cast iron; 20CrMnTi alloy gears (58–62 HRC)**
Mounting	**Foot, B5 flange, hollow shaft with torque arm**

* Ratio, frame size (K37–K167), and output shaft diameter sized to match your load.

KEY DESIGN HIGHLIGHTS

- Over 96% mechanical efficiency cuts plant electricity bills
- Rolling helical-bevel teeth resist wear on 24/7 operation
- High radial & overhung shaft load capacity
- Available as K solid shaft, KA hollow shaft, KF flange & shrink disc
- Compatible drop-in footprint for SEW K37–K167 & Bonfiglioli

TYPICAL INDUSTRIAL APPLICATIONS

- Cement bucket elevators, apron feeders & batching plants
- 24/7 textile spinning, blowroom & paper mill drives
- Plastic film extruders, screw conveyors & sugar centrifuges
- High-torque industrial cranes, hoists & heavy palletizers

ENGINEERING OVERVIEW

Engineered for maximum continuous torque and minimum electricity waste in Pakistani manufacturing plants, the SEW-type K series helical-bevel gearmotor delivers >96% mechanical efficiency across all three rolling gear stages. Replacing power-hungry worm drives on 24/7 production lines often pays back the upgrade cost through lower kWh motor draw alone.

Built with hardened bevel and helical gears inside a heavy ribbed cast-iron housing, the K / KA series supports high radial loads in foot-mount (K), flange-mount (KF), and shaft-mount hollow-bore (KA / KAF) layouts—serving as a reliable retrofit for SEW K37–K167, Flender, Bonfiglioli, and Siemens drives.