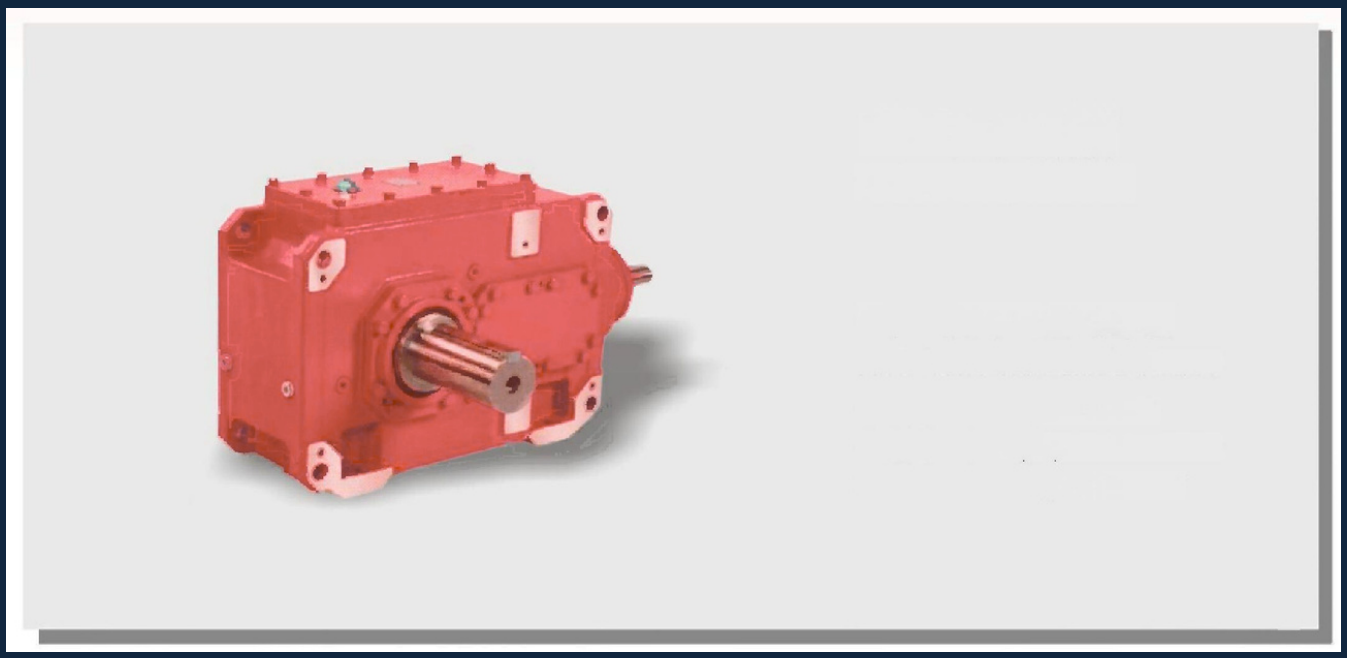
SDW
TECHNICAL CONSULTING
PTY LTD

GEARBOX MANUAL

Product ranges & selection reference



INDUSTRIAL TRANSMISSION SOLUTIONS

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Using this manual

A concise range guide based on the supplied transmission brochure.

SDW Technical Consulting provides a point of contact for gearbox and drive requirements. Use this guide to identify a product family and prepare the information required for a model-specific enquiry.

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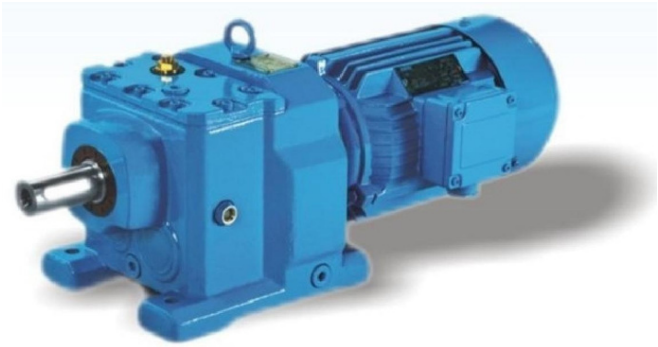
Document scope

Listed values describe ranges across product families. This guide does not provide unit-specific dimensions, service factors, oil grades, mounting details, maintenance intervals or lifting capacities. Obtain the selected model's manufacturer documentation before installation or operation.

Issue: October 2026 | **Technical basis:** supplied Musketeer gearbox brochure.

Helical gear units

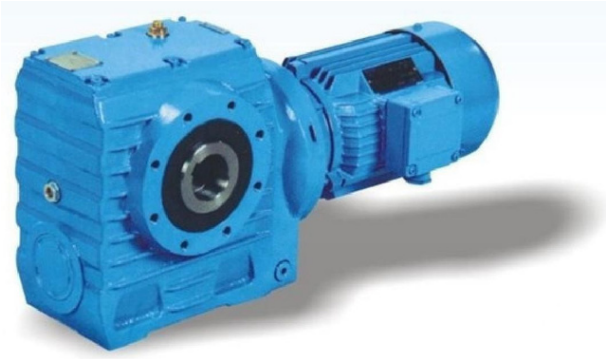
R, K, S and F families: different shaft arrangements and reduction types.



R | Helical



K | Helical bevel



S | Helical worm



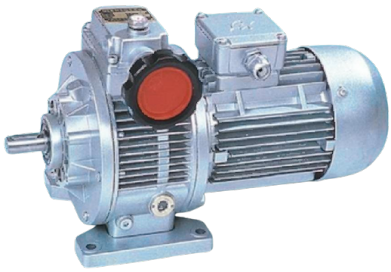
F | Parallel shaft

Series	Ratio	Torque (N.m)	Power (kW)
R	3.83-229	85-18,000	0.18-160
K	5.36-181	200-50,000	0.18-200
S	10.27-230	90-4,000	0.18-22
F	3.81-267	200-18,000	0.18-200

Confirm the ratio, mounting arrangement, shaft configuration and motor interface for the selected unit.

Drives & steering boxes

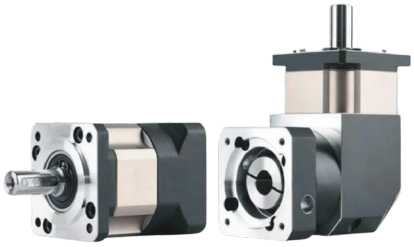
Variable-speed, cycloidal and precision planetary products, plus spiral bevel steering boxes.



MB | Variable speed



WB | Cycloidal



PL | Precision planetary

Series	Ratio / speed	Torque (N.m)	Power (kW)
MB	8-2,000 rpm*	1.5-1,172	0.18-22
WB	9-1,849	60-300	0.04-1.5
PL	3-1,000	18.5-13,800	0.1-21
T	1-5	11-5,713	0.12-200
HD	1-5	11-1,300	0.18-188
ARA	1-2	6.95-31.9	0.12-4.94

T / HD / ARA: spiral bevel steering-box families.
*The source labels the MB field as a ratio but gives rpm. It is reproduced as a speed range; confirm the required drive output with the supplier.

Screw lifts & lifting systems

Five lift families and linked lifting-platform arrangements are illustrated in the source.



SWL | Worm screw lift

Listed torque: 9.8-980 N.m
Listed power: 0.18-200 kW



JWM | Spiral lift

Listed torque: 9.8-980 N.m
Listed power: 0.18-200 kW



JRSS | Lead screw lift

Listed torque: 9.8-980 N.m
Listed power: 0.18-200 kW



SJA | Square screw lift

Listed torque: 9.8-980 N.m
Listed power: 0.18-200 kW



SWL | Stainless steel

Listed torque: 9.8-980 N.m
Listed power: 0.18-200 kW

For a lifting enquiry: provide load per lift, travel, speed, number of lifts, linkage arrangement, duty cycle and orientation. The source provides no load-capacity or travel ratings; these must be confirmed for the selected system.

Compact reducers & motors

RV worm reducers, BKM hypoid reducers and compatible motor configurations.



RV | Worm reducer

Aluminium-alloy housing, compact construction and multi-directional installation.



BKM | Hypoid reducer

Aluminium-alloy housing, compact transmission and multi-directional installation. The source describes stable, low-noise operation.

MOTOR OPTIONS



Y2 | Circular three-phase



YF | Square three-phase



YEJ | Square brake

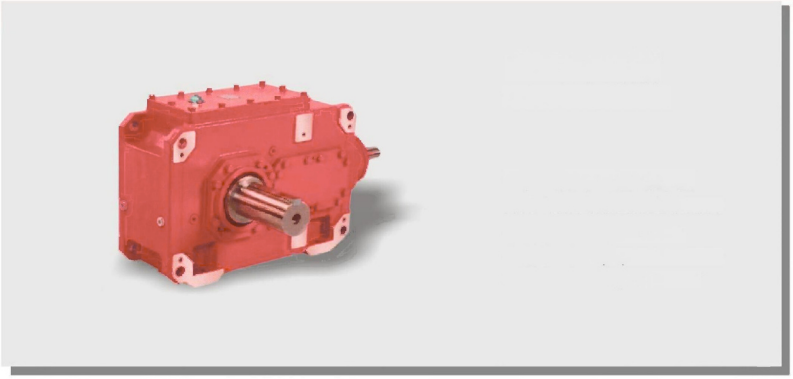


YVP | Variable frequency

The source also lists explosion-proof, DC, brake, variable-frequency brake, track and servo connections. Confirm electrical data and the exact motor interface.

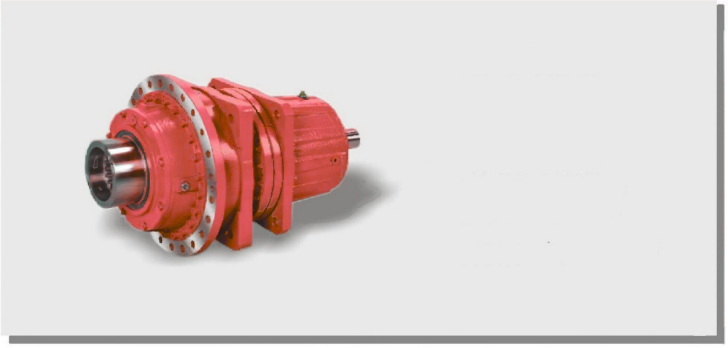
Industrial & planetary gearboxes

HB industrial units and P planetary units for larger transmission duties.



HB SERIES | INDUSTRIAL

Ratio	Torque (kN.m)	Power (kW)
1.25-450	2.3-900	4-5,688



P SERIES | PLANETARY

Ratio	Torque (kN.m)	Power (kW)
25-4,000	22-2,600	0.4-17,633

Large-range values are reproduced as supplied. Verify the selected frame rating and units before sizing.

Enquiry & technical handover

Send this information to SDW for the selected gearbox or drive requirement.

Application

Driven equipment, process, load and operating environment.

Duty

Required input/output speed, ratio, power, torque and operating hours.

Arrangement

Mounting position, shaft layout, coupling, flange and space constraints.

Motor

Voltage, frequency, motor type, power and control method.

Identification

Existing model, serial number, nameplate photograph and drawings.

Request at technical handover: certified rating, dimensional drawing, mounting position, lubricant specification, commissioning procedure, maintenance schedule and spare-parts reference for the supplied model.

Additional source-listed families: WP cast-iron worm units; X/B cycloidal units; M large reducers; MC hard-tooth-surface units; G enclosed gearmotors; ZDY cylindrical gear reducers. Detailed ratings are not provided in the source.