Dynamic & low vibration

Travel Drives

Advantages

Design per FEM

Low vibration movement of loads

Low noise and long life due to high grade gearing

Safety with integrated dual surface safety brake

Comprehensive mounting options
(helical, parallel shaft and angular gearboxes)

Robust and maintenance free

Aluminum housing
→ Low own weight and high corrosion resistance

High overall efficiency

Compact design

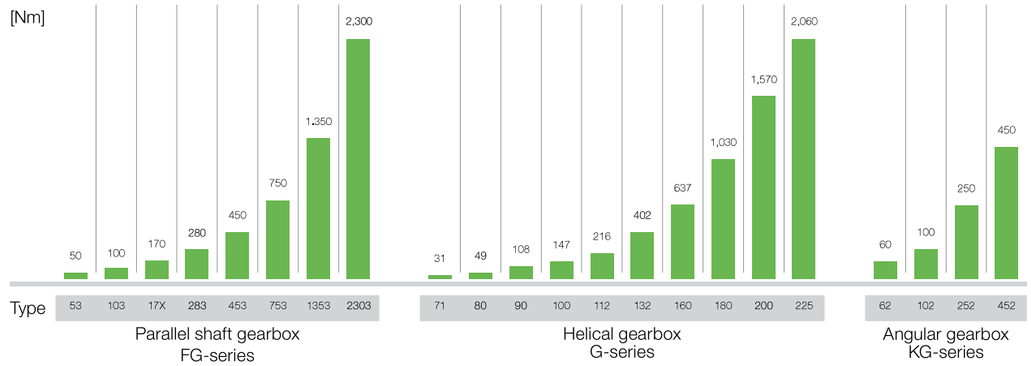
High gear reduction ratios

Optimally adapted to customer requirements

Basic Data & Options

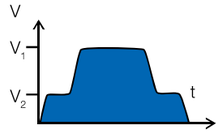
	PROFI-LINE	AUTOMATION-LINE
Power supply voltages	380 - 415 V 50 Hz (440 - 480 V 60 Hz)	380 - 415 V 87 Hz
Number of poles / connections	8/2 poles star / star	4 pole delta
Travel speed	5/20 m/min // 10/40 m/min	20 m/min // 40 m/min
Duty cycle	FEM 2m	
Acceleration	with load = 0.1 m/s² without load < 0.6 m/s²	
Output torque helical gearbox	31 - 2,060 Nm	
Output torque parallel shaft gearbox	170 - 2,300 Nm	
Output torque angular gearbox	60 - 450 Nm	
Service factor	> 1.5	> 1.3
Protection class / Style	IP54, aluminum junction box	
Brake	Dual surface brake	
Output shaft	Solid or spline shaft per DIN 5480	
Options	Phase isolation, protection class IP65, UL / CSA approbated, thermal sensors, PTC resistor, brake with manual release, motor connection through quick disconnects special travel speeds upon request	

Output Overview



Two lines for every travel speed and positioning requirement

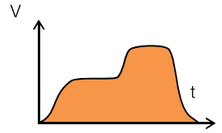
PROFI-LINE



→ Two travel speeds

→ Safe soft starts with 2-speed motors (8/2 poles) with specially designed windings and rotors and integrated oscillating weight

AUTOMATION-LINE



→ Variable travel speeds for maximum positioning accuracy

→ 4-pole motors with 87 Hz characteristics designed specifically for inverter operation

→ Individual inverter tuning of important parameters

→ Particularly soft start and stop characteristics reduces load oscillation to a minimum

Application Examples