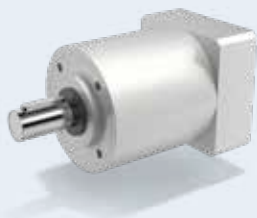


LOW VOLTAGE GEARMOTOR FOR LOGISTICS & INTRALOGISTICS



MP SERIES

PRECISION PLANETARY IN-LINE GEARBOX



- › Ideal for applications requiring low backlash and medium dynamics
- › Wide range of gear ratios
- › Multiple design configurations
- › Gear variety of input and output configurations
- › Fits various environments thanks to its IP65 protection class

Sizes	Nominal torque [Nm]
053	20
060	30
080	70
105	170
130	450
160	700
190	1000

A SERIES

HELICAL BEVEL GEARBOX



- › Reduced installation space
- › Embedded torque arm
- › Wide output speed range
- › High torsional rigidity and precise operation even in dynamic application

Sizes	Nominal torque [Nm]
A 05	100
A 10	150
A 20	250
A 30	410
A 35	600
A 41	850

F SERIES

HELICAL PARALLEL-SHAFT GEARBOX



- › High efficiency and reliability
- › Low maintenance cost
- › Wide output speed range
- › High stiffness for dynamic application

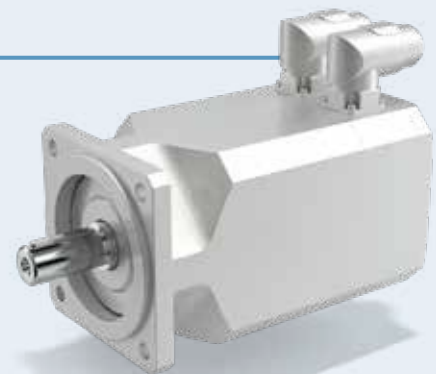
Sizes	Nominal torque [Nm]
F 10	140
F 20	250
F 25	400
F 31	600
F 41	1,100

BMD SERIES

SERVO

The Bonfiglioli BMD series features 3-phase synchronous permanent magnet motors with compact dimensions and low/medium inertia suitable for high dynamic industrial applications, AGV/AMR vehicles and shuttle.

Flexibility is a cornerstone of the BMD offering. They are optimized to operate in synergy with Bonfiglioli gearboxes and drives, providing the go-to system for efficient automation.



PERMANENT MAGNETS TECHNOLOGY

MAIN BENEFITS

- 14 feedback types, including functional safety encoders
- Different output interface per motor size and various connectors
- Optimized efficiency and energy density leads to low cogging torque
- Modular structure for easy maintenance
- Low cogging torque
- Modular design enables scalability

TECHNICAL DATA – 24/48VAC VERSION

Sizes	Rated speed range	Stall torque
	[rpm]	[Nm]
65	1600...6000	0.85
65	1600...6000	1.7
65	1600...6000	2.2
82	1600...3000	3.2
82	1600	4.4
102	1600...3000	4.0
118	1600	5.6

MAIN OPTIONS

Design versions



UP TO 3 INTERFACE
B5 PER SIZE

Supply



24/48V



CUSTOM

IP protection



UP TO IP67

Shaft versions



KEYLESS
SHAFT



KEYED
SHAFT

Cooling



FORCED
VENTILATION

Flywheel



ADDITIONAL
INERTIA

Brake



HOLDING
BRAKE

Feedback



ENCODER



RESOLVER



SENSORLESS

Anticorrosion



UP TO C5*

Winding protection



THERMAL PROTECTIVE
DEVICES

Connector configuration



STRAIGHT



ROTABLE



FLYING
LEADS

* Motors can also be supplied with surface protection class C5 according to UNI EN ISO 12944-2. Contact Bonfiglioli's technical service for further details.