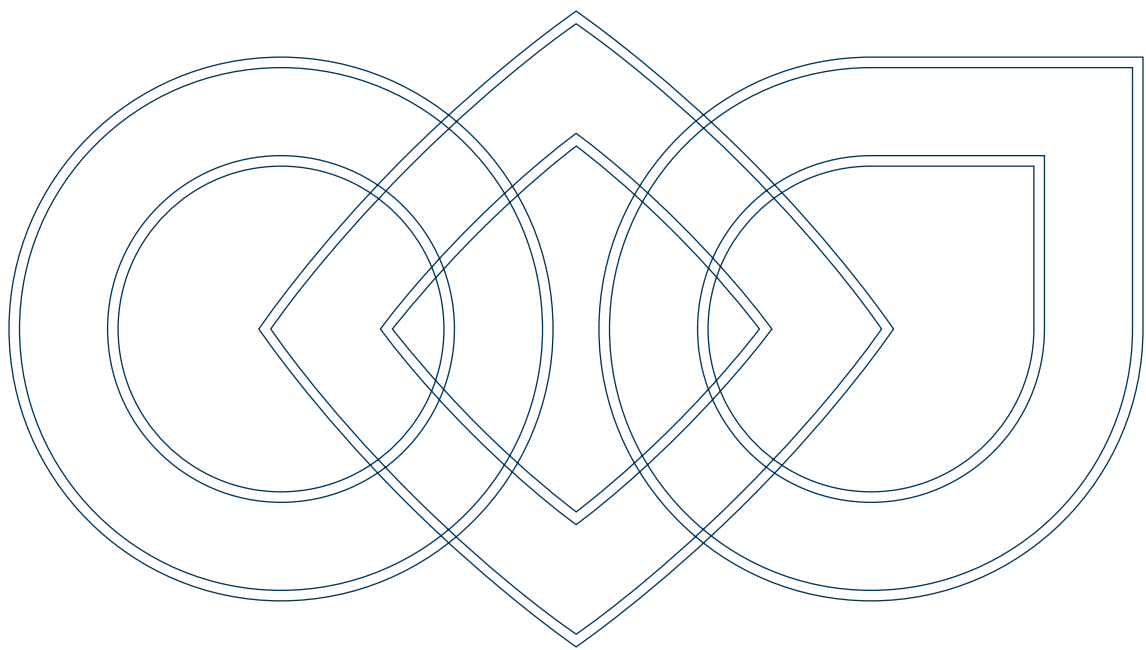




Discrete Manufacturing & Process Industries



PRODUCT RANGE



Discrete Manufacturing & Process Industries

5 A ONE-STOP SHOP FOR ALL YOUR INDUSTRIAL APPLICATIONS

6 ALWAYS BY OUR CUSTOMERS'SIDE, ALL OVER THE WORLD

6 SHARING THE VALUE OF OUR WORK WITH YOU

7 A COMPLETE E-BUSINESS PLATFORM TO BE THE MASTER OF YOUR SOLUTIONS

8 INDUSTRY SPECIFIC SOLUTIONS

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A One-Stop shop for all your industrial applications

Every year, Bonfiglioli manufactures over 1.5 million products offering its customers fully integrated and solutions, ideal for a wide range of applications in over twenty industrial sectors.

With more than 60 years of experience, our extensive range of gearboxes, gearmotors, electric motors and inverters offers the opportunity to benefit from exceptional technical characteristics and superb performance in all industrial applications.

Our mechatronic solutions for industrial automation deliver the highest possible level of precision, efficiency and energy optimization. These solutions include precision planetary gearboxes, servomotors, open and closed loop inverters, servo inverters and regenerative inverters.



**MEET OUR
CUSTOMERS'
NEEDS**



**WORLDWIDE
DISTRIBUTION
NETWORK**



**IMPROVE
APPLICATION
PERFORMANCE**

Always by our customer's side, all over the world

Bonfiglioli has globalized production over the years. Today, we operate 14 manufacturing plants around the world to serve customers in local markets more effectively. Our plants in Italy, Germany, USA, Brazil, India, China, Vietnam, and Slovakia form a truly efficient distribution network.

Excellence is our number one priority.

We use the latest technologies to optimize our daily production. Bonfiglioli is fully committed to a more sustainable workplace and supports various local initiatives.

All Bonfiglioli employee pay the utmost attention to even the smallest details, to ensure that our customers receive products with unrivalled quality.



**LEAN
MANUFACTURING**



INDUSTRY 4.0



**FAST DELIVERY
TIMES**



**WORLDWIDE
PRESENCE**

Sharing the value of our work with you

Our team is fully dedicated to continuous improvement in the fields of quality, safety and the environment, across the entire value chain, from the smallest supplier to the end customer.

Bonfiglioli management systems are certified to ISO 9001:2008, ISO 14001 and OHSAS 18001, while our products are covered by 7 international certifications.

Responsibility, excellence and continuous improvement are some of the basic elements that make Bonfiglioli a preferred partner.

SYSTEM CERTIFICATIONS:



PRODUCT CERTIFICATIONS:



A complete e-business platform to be the master of your solutions

Mosaico is Bonfiglioli's e-business platform created to facilitate customers purchases and product configuration. Fully integrated with Bonfiglioli product database, it offers more flexibility to configure a solution and track orders.



Industry specific solutions

Create solutions dedicated to diverse industries

Bonfiglioli develops complete industrial solutions that are tailored to meet exact application requirements. Thanks to our decades of experience, we have the specific industry expertise to assist our customers with any kind of projects using tailor-made solutions.



OTHER SECTORS:

- Biogas
- Rubber and Plastics
- Metal Processing
- Access Control
- Asphalt & Other Aggregates
- Commercial HVAC & Refrigeration
- Logistics & Stocking Systems
- Oil & Gas
- Power generation
- Stone, Clay & Glass



WATER & WASTE WATER TREATMENT



FOOD, BEVERAGE & TOBACCO



MINING



SUGAR CANE



PACKAGING



MATERIALS HANDLING



RECYCLING



Industrial Range



A series Helical-bevel gearmotors

Modularity, universal mounting and quiet operation.

With close progression between gear ratios, design engineers do not have to compromise speed requirements to find the perfect fit for their application. The versatile A series can be installed in every mounting position.

Torque range


100 ... 14 000 Nm

Mechanical rating

0.22 ... 150 kW

Gear ratios

5.4 ... 1 715

 ATEX GEARBOX AVAILABLE

Type	Torque [Nm]
A 05	100
A 10	150
A 20	250
A 30	410
A 35	600
A 41	850
A 50	1 500
A 55	2 000
A 60	2 800
A 70	5 000
A 80	8 000
A 90	14 000



F series Shaft mounted gearmotors

Adaptability & Efficiency.

There is no easier or neater installation than with a shaft-mounted gearmotor. Lightweight and performing, the F series is a reliable drive for all materials handling applications as well as for several other sector.

Torque range

140 ... 14 000 Nm

Mechanical rating

0.17 ... 125 kW

Gear ratios

6.4 ... 2 099

 ATEX GEARBOX AVAILABLE

Type	Torque [Nm]
F 10	140
F 20	250
F 25	400
F 31	600
F 41	1 100
F 51	1 800
F 60	2 900
F 70	5 000
F 80	8 000
F 90	14 000

C series


In-line helical gearmotors

Compact solutions to maximize speed-reduction and power.
 Top torque density, product variety, extremely wide speed choice, great compactness and price effectiveness make the C series the right choice for all the applications where an in-line gearmotor is required.

Torque range
 45 ... 12 000 Nm

Mechanical rating
 0.08 ... 213 kW

Gear ratios
 2.6 ... 1 481

 ATEX GEARBOX AVAILABLE



Type	Torque [Nm]
C 05	45
C 12	100
C 22	200
C 32	300
C 36	450
C 41	600
C 51	1 000
C 61	1 600
C 70	2 300
C 80	4 000
C 90	7 200
C 100	12 000

S series

Single-stage helical gearmotors

Simple and powerful.
 The S series design makes this gearmotor particularly effective in all pump, fan and blower applications.
 The S series is also available in the foot and flange version, with shaft dimensions according to the UNEL - MEC standard.

Torque range
 21 ... 200 Nm

Mechanical rating
 0.12 ... 11.6 kW

Gear ratios
 1.4 ... 13.1



Type	Torque [Nm]
S 10	21
S 20	37
S 30	70
S 40	125
S 50	200



VF W series

Worm gearmotors

Clementino Bonfiglioli created the first worm gearbox in 1956; today we manufacture over 3.500 gearboxes per day.

VF and W series wormgears are milestones for the global industry. They succeeded in combining uncompromising quality with state-of-the-art technology and renowned price effectiveness. Absolute flexibility is achieved by the wide range of mounting options, shaft configurations and motor interfaces, all offered as standard. The pre-stage and the double-worm versions, with or without the torque limiter, also enhance a highly versatile drive system.

Torque range

13 ... 7 100 Nm

Mechanical rating

0.04 ... 75 kW

Gear ratios

7 ... 10 000



ATEX GEARBOX AVAILABLE

Type	Torque [Nm]
VF 27	13
VF 30	24
VF 44	55
VF 49	88
W 63	190
W 75	320
W 86	440
W 110	830
VF 130	1 500
VF 150	2 000
VF 185	3 600
VF 210	5 000
VF 250	7 100



VF-EP/W-EP series

Gearmotors for hygienic environments

Meeting food specifications and high resistance to harsh conditions.

Wormgears and motors are also available in the Enhanced Protection "EP" configuration, featuring food grade specifications and extra corrosion protection, ensuring risk-free operations in hygienic environments, and facilitate effective sanitising. In addition to food processing applications, the EP configuration will also suit the requirements of the chemical and pharmaceutical industry, as well as marine on-board and quayside installations.

Applications

Food processing, chemical and pharmaceutical industry
 Marine on-board and quayside installations
 Corrosive environments

Torque range

55 ... 440 Nm

Type	Torque [Nm]
VF_EP 44	55
VF_EP 49	88
W_EP 63	190
W_EP 75	320
W_EP 86	440

300M series

Planetary gearmotors

High power density in a compact space.

Compact, and yet extremely powerful: these are the units of the 300M Planetary gear motor series. Their planetary drive train makes them the ideal choice for all the severe duty applications where shock loadings and impacts are more the rule than the exception. The product configuration is highly versatile, due to several options concerning mounting, gear layout, output shaft and motor interface. All the features, including the new IEC motor connection with integrated fan, are available for each of the 20 finely spaced frame sizes, spanning over the 1 250 - 1 286 000 Nm torque range. Finding the perfect match to any drive problem is therefore more than a wish, it is something users can safely rely on - always.

Torque range

1 250 ... 1 286 000 Nm

Mechanical rating

up to 1 050 kW

Gear ratios

3.4 ... 5 234

 ATEX GEARBOX AVAILABLE



Type	Torque [Nm]
300	1 250
301	2 460
303	2 970
304	3 960
305	5 800
306	10 840
307	15 680
309	23 240
310M	33 460
311M	49 210
313M	60 940
314M	80 640
315M	100 800
316M	134 390
317M	207 490
318M	297 550
319	471 190
321	655 740
323	890 310
325	1 286 000

3/H series

Combined gearboxes

The performance and technology of planetary gearboxes with the robustness and reliability of bevel helical gearboxes.

Bonfiglioli's 3/H gearboxes combine the high technology, performance and efficiency of planetary gearboxes with the robustness, quality, reliability and high thermal power features of bevel helical gearboxes. These planetary/bevel helical combination gearboxes deliver the high transmissible torque of Bonfiglioli planetary 300M Series along with the excellent power transmission characteristics of bevel/helical HDO/P series, and are ideal for applications that demand high power density along with medium-low output speeds.

Gear ratios

1:100 ... 1:1 000

Rated power

up to 980 kW

Reference torque

up to 1 200 000 Nm



Type	Torque [Nm]
3/HDO 15	98 000
3/HDO 16	130 000
3/HDO 17	175 000
3/HDO 18	260 000
3/HDO 19	440 000
3/HDO 21	615 000
3/HDO 23	830 000
3/HDO 25	1 286 000



HDP series

Parallel shaft gear units

Highly customizable, easy to maintain, numerous cooling options.

Consistently high torque ratings, gear ratios in close progression, numerous mounting options along with compact dimensions will ease the engineering of any application. The housing from nodular cast iron ensures robustness even in the harshest environment and the class of precision the gear are machined into helps produce an extremely quiet and vibration-free operation.

Torque range

5 190 ... 209 900 Nm

Gear ratios

7.1 ... 500

Mounting

Foot, flange, shaft mounting



ATEX GEARBOX AVAILABLE

Type	Torque [Nm]
HDP 60	5 190
HDP 70	7 080
HDP 80	12 600
HDP 90	17 900
HDP 100	28 210
HDP 110	31 790
HDP 120	41 250
HDP 125	49 240
HDP 130	69 570
HDP 140	87 060
HDP 150	117 200
HDP 160	147 070
HDP 170	190 190
HDP 180	209 900



HDO series

Bevel helical gear units

Highly versatility, compact size, numerous cooling options.

The bevel helical gear reducer series from Bonfiglioli optimises superior performance with compact dimensions and flexibility. The several options that can be selected from the catalogue facilitate customization to meet specific application requirements. Gear case from nodular cast iron guarantee rigidity in all circumstances, while the gears - integrally ground finished on their profile - ensure quiet and vibration-free operations even in the harshest conditions.

Torque range

8 990 ... 209 900 Nm

Gear ratios

7.1 ... 500

Mounting

Foot, flange, shaft mounting



ATEX GEARBOX AVAILABLE

Type	Torque [Nm]
HDO 71	8 990
HDO 81	14 740
HDO 91	21 610
HDO 95	23 200
HDO 100	28 210
HDO 110	31 790
HDO 120	41 250
HDO 125	49 240
HDO 130	69 570
HDO 140	87 060
HDO 150	117 200
HDO 160	147 070
HDO 170	190 190
HDO 180	209 900

HDPE series

Extruder gearbox

The benchmark in the parallel shaft category.

The HDPE Extruder gearbox series is the configuration specifically developed for single-screw extruder drive generated from the renowned heavy duty series HDP, with which it shares most of the components and gearing.

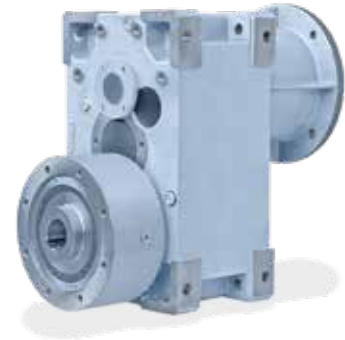
Mounted forward to the sturdy nodular cast iron case, and housed into a robust extruder support, HDPE units feature a heavy duty spherical roller thrust bearing of series 294...E, exclusively sourced from primary brands.

Torque range

4 650 ... 75 000 Nm

Gear ratios

7.1 ... 125.0



Type	Torque [Nm]
HDPE 60	4 650
HDPE 70	6 350
HDPE 80	11 500
HDPE 90	16 550
HDPE 100	24 000
HDPE 110	28 700
HDPE 120	35 300
HDPE 130	59 300
HDPE 140	75 000

BN/M series

AC motors

A complete range of AC motors developed for gearmotor duty that will exceed expectations.

The IEC-normalized BN motors comply with all the applicable international standards, including the EMC and LV Directives. They are available in the 0.06 - 30 kW range in the foot and the flange mounting version, the latter in both the IM B5 and the IM B14 configuration. Single and multi-speed versions available with generally three brake options offered, one DC and two AC supply, lending further flexibility to the system.

Lastly, all motors are inverter duty.

kW rating (4 pole)

0.06 ... 30 kW

Frame sizes

56A ... 200L



Type	kW rating
BN 56A	0.06
BN 56B	0.09
BN 63A	0.12
BN 63B	0.18
BN 63C	0.25
BN 71A	0.25
BN 71B	0.37
BN 71C	0.55
BN 80A	0.55
BN 80B	0.75
BN 80C	1.1
BN 90S	1.1
BN 90LA	1.5
BN 90LB	1.85
BN 100LA	2.2
BN 100LB	3
BN 112M	4
BN 132S	5.5
BN 132MA	7.5
BN 132MB	9.2
BN 160MR	11
BN 160M	15
BN 180M	18.5
BN 180L	22
BN 200L	30



BE/ME series IE2 AC motors

Class IE2 high efficiency AC motors.

The IEC-normalized BE motors comply with IEC 60034-30:2008 (efficiency classes) and all the applicable international standards, including the EMC and LV Directives.

They are available in the 0.75 - 22 kW range in the foot and the flange mounting version, the latter in both the IM B5 and the IM B14 configuration.

Lastly, all motors are inverter duty.

kW rating (4 pole)

0.75 ... 22 kW

Frame sizes

80B ... 180L

Type	kW rating
BE 80B	0.75
BE 90S	1.1
BE 90LA	1.5
BE 100LA	2.2
BE 100LB	3
BE 112M	4
BE 132S	5.5
BE 132MA	7.5
BE 132MB	9.2
BE 160M	11
BE 160L	15
BE 180M	18.5
BE 180L	22



BX/MX series New IE3 Motors

The release of the new BX/MX motors is a further expression of our regard for the environment.

The BX/MX motors fulfil IE3 efficiency class requirements, according to the international standard IEC 60034-30.

The "X" of the new BX/MX motors stands for "excellence" in efficiency, being IE3 the top efficiency rating currently formalized by global standards. Lastly, all motors are inverter duty and generally 3 brakes options are offered.

kW rating (4 pole)

0.75 ... 22 kW

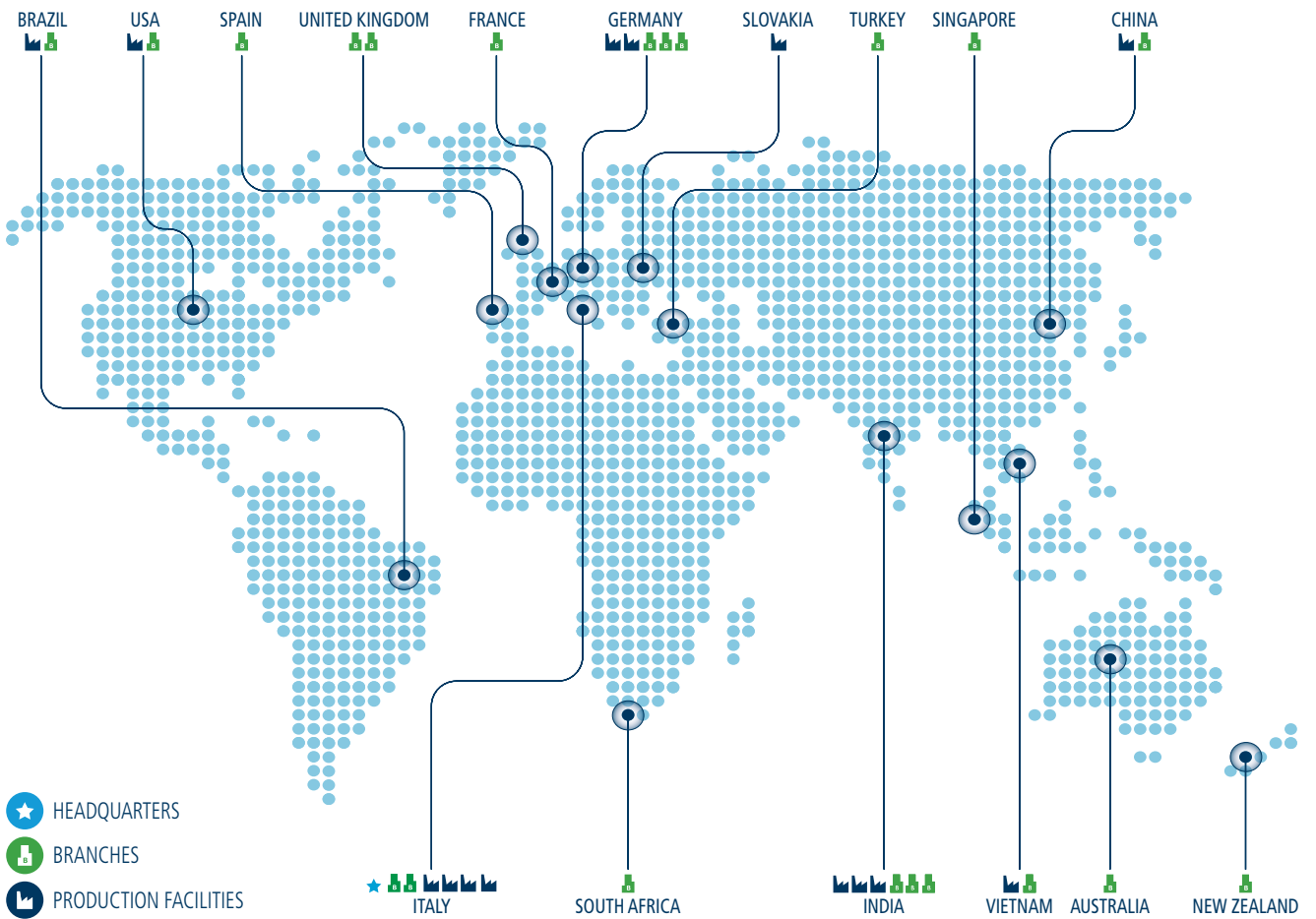
Frame sizes

80B ... 180L

Type	kW rating
BX 80B	0.75
BX 90SA	1.1
BX 90LA	1.5
BX 100LA	2.2
BX 100LB	3
BX 112M	4
BX 132SB	5.5
BX 132MA	7.5
BX 160MA	9.2
BX 160MB	11
BX 160L	15
BX 180M	18.5
BX 180L	22

Bonfiglioli worldwide presence

Bonfiglioli is located in regions and countries around the world that enable us to provide faster sales and service to customers.
We are around the world, and around the corner.



- HEADQUARTERS
- BRANCHES
- PRODUCTION FACILITIES



LOCAL SUPPORT
 Sales, Customer Service,
 Warranty, Tech support,
 Spare parts



**21 BRANCH OFFICES
 IN 15 COUNTRIES**



**WORLDWIDE
 DISTRIBUTION
 NETWORK**

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We have a relentless commitment to excellence, innovation and sustainability. Our team creates, distributes and services world-class power transmission and drive solutions to keep the world in motion.

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