

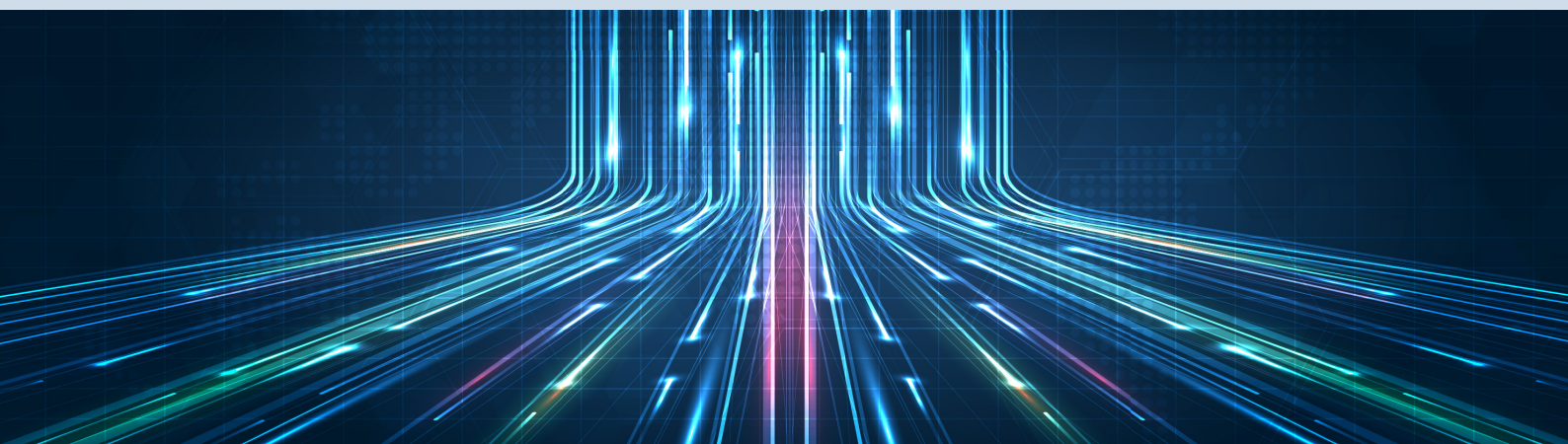
INDUSTRY & AUTOMATION

PRODUCT RANGE

Solutions

 **Bonfiglioli**



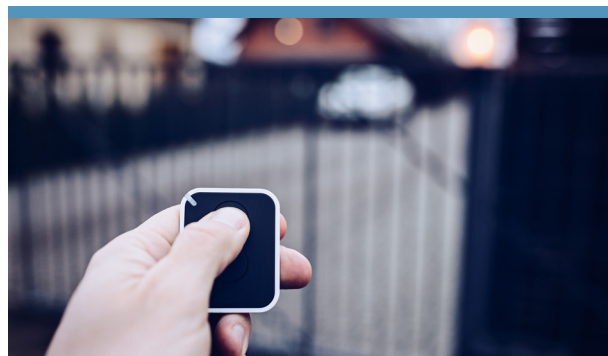


INDUSTRY & AUTOMATION

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Engineering Solutions



WWW.BONFIGLIOLI.COM

INDUSTRY & AUTOMATION SOLUTIONS

The Industry & Automation Solutions business unit meets the evolving needs of industrial processes and automation. With a focus on innovation and sustainability, we operate advanced Industry 4.0 facilities to serve over 20 sectors. We serve material handling and logistics, food and beverage, metalworking, mining, recycling and sustainable energy technologies, with an international team that delivers a personalized and exceptional customer experience. Our commitment is to provide tailored solutions that address today's complex challenges while driving progress and creating enduring value for customers.



**ONE-STOP SHOP
AUTOMATION
PARTNER**



**ENSURING HIGH
DYNAMICS AND
PRECISION**



**GLOBAL
DISTRIBUTION
NETWORK**



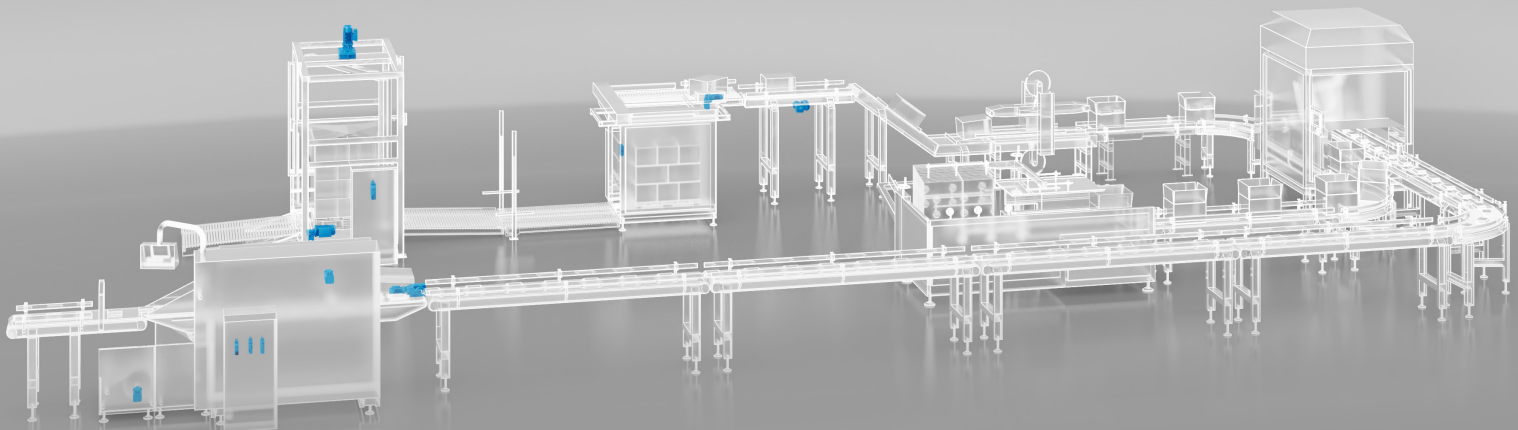
**EXPERTISE FOR
CUSTOMIZED
SOLUTIONS**



**MEET OUR
CUSTOMERS'
NEEDS**



**IMPROVE
APPLICATION
PERFORMANCE**



BONFIGLIOLI PRODUCT RANGE

Bonfiglioli offers a wide range of products for industrial automation, including gearboxes, motors, inverters, sensors and digital tools. By combining these components, Bonfiglioli provides standard and customized systems and solutions to meet the specific needs of each customer.

Discover more about Bonfiglioli Portfolio!



GEAR UNITS



ELECTRIC MOTORS



DRIVES

DIGITAL ENGINEERING TOOLS

GEAR UNITS

Bonfiglioli offers a wide range of gearboxes, from worm gearboxes to planetary gearboxes, to meet different torque and speed requirements.

INDUSTRIAL GEARBOXES

We deliver robust and durable power transmission systems across a wide range of industries. Our gearboxes are engineered for extended service life and unwavering performance. Available in a comprehensive range of sizes, reduction ratios and mounting configurations, our products seamlessly integrate into your specific application.

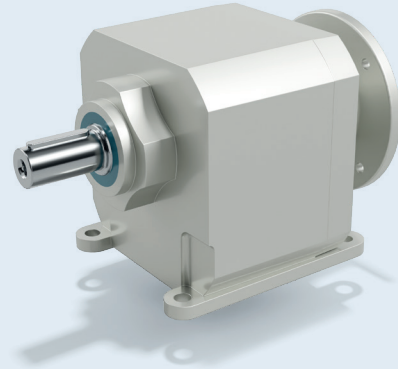


PREMIUM HELICAL IN-LINE

evox

EVOX CP Series

Bonfiglioli EVOX CP offers both easy machine integration, thanks to its standardized footprint, and high-performance, leveraging on high quality helical gear design. With its lifetime lubrication and a unique oil level for all mounting positions, CP guarantees minimal maintenance effort. In addition, the smooth surface design ease cleaning requirements. Available in feet and/or flange variants, the EVOX CP can be adopted in a wide range of application.























ATEX AVAILABLE

MAIN BENEFITS

- Overall dimension in line with market standards
- Easy-Clean shape
- Compact design for high torque density and maximum power
- Low warehousing cost, thanks to the distinctive universal mounting
- Safe operation in potentially explosive atmospheres

MAIN OPTIONS

| Stages | | Version | | | Adapter | | | |
|---|---|---|--|---|---|---|--|--|
|  |  |  |  |  |  |  |  |  |
| 2 STAGES | 3 STAGES | FEET AND FLANGE | FEET | FLANGE | IEC | COMPACT | NEMA | SOLID INPUT SHAFT |
| Oil seal (single/double) | | Oil type | | | Environment | | | |
|  |  |  |  |  |  | | | |
| NBR | FKM | SYNTHETIC | MINERAL | UHI FOOD GRADE | STAINLESS STEEL SHAFT AND PLUG | | | |
| Surface protection | | Backlash | Bearings | | Solid shafts | | | |
|  | |  |  | |  |  | | |
| PAINTING CLASS UP TO C5 | | REDUCED BACKLASH | REINFORCED BEARINGS | | METRIC | | IMPERIAL | |

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Max. adapter size | |
|-------|-------------------------------|------------------|-------------------|-----------|
| | [Nm] | i | IEC | NEMA |
| CP 07 | 55 | 2.8-81.2 | 56-71 | 56C |
| CP 17 | 100 | 2.4-85.9 | 63-80 | 56C-145TC |
| CP 37 | 200 | 2.3-133 | 63-90 | 56C-184TC |
| CP 47 | 335 | 2.4-172 | 63-112 | 56C-184TC |
| CP 57 | 500 | Coming Soon | | |
| CP 67 | 600 | Coming Soon | | |

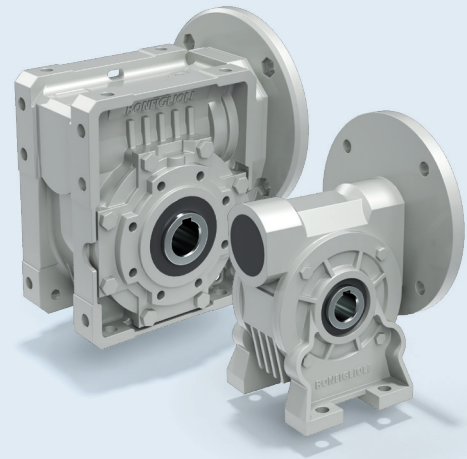
(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio.

UNIVERSAL WORM

VF/W Series

Bonfiglioli's world-renowned VF/W Series since 1956 delivers unwavering quality alongside cost effectiveness. Absolute flexibility comes as standard with a wide variety of mounting options, shaft configurations and motor interfaces.

Furthermore, with several patented manufacturing techniques, the Bonfiglioli VF/W Series stands out for its long operating lifetime and reliability.



ATEX AVAILABLE

MAIN BENEFITS

- Minimized mounting space
- Designed for enduring performance
- Reduced downtime by effectively absorbing peak loads
- Low noise
- Safe operation in potentially explosive atmospheres

MAIN OPTIONS

| Stages | | | Version | | Adapter | | | |
|----------------------|--------------------|----------------------|---------|-------------------------|------------|-------------------------|------|-------------------|
| | | | | | | | | |
| 1 STAGE | 1 STAGE + PRESTAGE | COMBINED 2*(1 STAGE) | FEET | FLANGE | IEC | COMPACT | NEMA | SOLID INPUT SHAFT |
| Input shaft | | Oil seal | | Oil type | | Valve | | Cover |
| | | | | | | | | |
| EXTENDED SHAFT | | NBR | FKM | SYNTHETIC | FOOD GRADE | BREATHER PLUG | | SAFETY COVER |
| Plug-In Output Shaft | | Bearings | | Surface protection | | Torque limiter | | Torque arm |
| | | | | | | | | |
| DOUBLE | IMPERIAL | REINFORCED BEARINGS | | PAINTING CLASS UP TO C5 | | EMBEDDED TORQUE LIMITER | | TORQUE ARM |

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Max. adapter size | | |
|--------|-------------------------------|------------------|---------------------------------------|------------------------|--|
| | [Nm] | i | IEC B14 | IEC B5 | NEMA |
| VF 27 | 13 | 7-70 | | 27 | |
| VF 30 | 24 | 7-70 | 56-63 | 56-63 | 42C |
| VF 44 | 55 | 7-6000 | 56 ⁽²⁾ -71 | 63-71 | 42C ⁽²⁾ -56C |
| VF 49 | 88 | 7-6000 | 63-80 | 63-80 | 56C |
| W 63 | 190 | 7-7000 | 56 ⁽²⁾ -90 | 56 ⁽²⁾ -90 | 42C ⁽²⁾ -145C |
| W 75 | 320 | 7-10000 | 63 ⁽²⁾ -112 | 63 ⁽²⁾ -112 | 56C-184TC |
| W 86 | 440 | 7-10000 | 63 ⁽²⁾ -112 | 63 ⁽²⁾ -112 | 56C-184TC |
| W 110 | 830 | 7-10000 | 63 ⁽²⁾ -112 | 63 ⁽²⁾ -132 | 56C ⁽²⁾ -215TC |
| VF 130 | 1,500 | 7-10000 | 71 ⁽²⁾ -90 ⁽²⁾ | 71 ⁽²⁾ -132 | 56C ⁽²⁾ -145TC ⁽²⁾ |
| VF 150 | 2,000 | 7-10000 | 80 ⁽²⁾ -112 ⁽²⁾ | 71 ⁽²⁾ -160 | 56C ⁽²⁾ -184TC ⁽²⁾ |
| VF 185 | 3,600 | 7-10000 | 80 ⁽²⁾ -112 ⁽²⁾ | 71 ⁽²⁾ -180 | 56C ⁽²⁾ -184TC ⁽²⁾ |
| VF 210 | 5,000 | 7-10000 | | 90 ⁽²⁾ -225 | |
| VF 250 | 7,100 | 7-10000 | | 90 ⁽²⁾ -225 | |

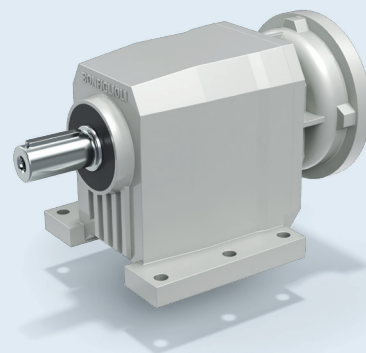
(1) The Nominal Torque is the torque rating representative of the size. For the VF-W series, it is calculated in single stage configuration at 500 rpm.

(2) Available only in combined version.

HELICAL IN-LINE

C Series

The C Series delivers unwavering reliability, efficiency and power. Its robust design and wide torque range handle demanding applications with ease. Find your perfect match: choose from 2, 3, or 4-stage gearboxes to achieve the precise speed and output you need. Whether for powering conveyor belts or packaging machines, the C Series adapts to your needs.
























ATEX AVAILABLE

MAIN BENEFITS

- Wide applicability thanks to the extreme range of ratios
- High stiffness for dynamic application
- Wide output speed range
- Safe operation in potentially explosive atmospheres

MAIN OPTIONS

| Stages | | | Version | | Adapter | | | | |
|---|---|---|---|---|---|---|--|--|--|
|  |  |  |  |  |  |  |  |  |  |
| 2 STAGES | 3 STAGES | 4 STAGES | FEET | FLANGE | IEC | COMPACT | NEMA | SERVO | SOLID INPUT SHAFT |
| Oil seal (single/double) | | | Oil type | | | Valve | | Backlash | |
|  |  |  |  |  |  |  | | | |
| NBR | FKM | SYNTHETIC | MINERAL | UHI FOOD GRADE | BREATHER PLUG | REDUCED BACKLASH | | | |
| Backstop | | Solid shafts | | Surface protection | | | | | |
|  |  |  |  | | | | | | |
| BACKSTOP | METRIC | IMPERIAL | PAINTING CLASS UP TO C5 | | | | | | |

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Max. adapter size | |
|-------|-------------------------------|------------------|-------------------|-----------|
| | [Nm] | i | IEC | NEMA |
| C 05 | 45 | 5.5-44.7 | – (2) | – (2) |
| C 12 | 100 | 2.8-66.2 | 63-112 | 56C-180TC |
| C 22 | 200 | 2.7-261.0 | 63-112 | 56C-180TC |
| C 32 | 300 | 2.9-274.7 | 63-132 | 56C-210TC |
| C 36 | 450 | 2.7-848.5 | 63-132 | 56C-210TC |
| C 41 | 600 | 2.7-855.5 | 63-132 | 56C-210TC |
| C 51 | 1,000 | 2.6-884.9 | 63-180 | 56C-280TC |
| C 61 | 1,600 | 2.8-796.1 | 63-180 | 56C-280TC |
| C 70 | 2,300 | 4.6-1476 | 63-200 | 56C-280TC |
| C 80 | 4,000 | 5.6-1481 | 63-225 | 56C-320TC |
| C 90 | 7,200 | 5.2-1240 | 63-250 | 56C-320TC |
| C 100 | 12,000 | 4.9-1081 | 63-280 | 56C-320TC |

(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio.

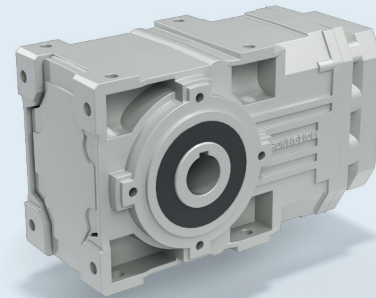
(2) Only available as compact gearmotor

HELICAL BEVEL

A Series

The A series Combines high efficiency and reliability, low maintenance costs and a wide torque range.

The gear set combination makes this the most efficient and durable right-angle solution among the Industrial Gearboxes portfolio.



ATEX AVAILABLE

MAIN BENEFITS

- Reduced installation space
- Wide output speed range
- High stiffness for dynamic application
- Safe operation in potentially explosive atmospheres

MAIN OPTIONS

| Stages | | | Version | Torque arm | Adapter | | | | |
|--------------------------|------------------|----------|---|--------------|---------------|-------------------------|------|-------|-------------------|
| | | | | | | | | | |
| 2 STAGES | 3 STAGES | 4 STAGES | FLANGE | TORQUE ARM | IEC | COMPACT | NEMA | SERVO | SOLID INPUT SHAFT |
| Oil seal (single/double) | | | Oil type | | Valve | Surface protection | | | |
| | | | | | | | | | |
| TACONITE | NBR | FKM | SYNTHETIC | FOOD GRADE | BREATHER PLUG | PAINTING CLASS UP TO C5 | | | |
| Cover | Backlash | Backstop | Output Shaft (metric or imperial) | | | Bearings | | | |
| | | | | | | | | | |
| SAFETY COVER | REDUCED BACKLASH | BACKSTOP | HOLLOW SHAFT (keyed or with shrink disk or splined) | SOLID SINGLE | SOLID DOUBLE | REINFORCED BEARINGS | | | |

TECHNICAL DATA

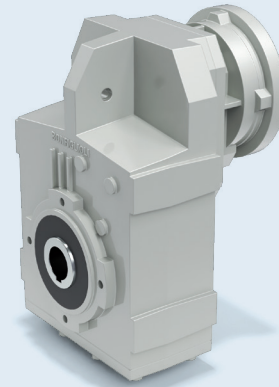
| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Max. adapter size | |
|-------|-------------------------------|------------------|-------------------|-----------|
| | [Nm] | i | IEC | NEMA |
| A 05 | 100 | 5.5 – 91.6 | 63-80 | 56C-140TC |
| A 10 | 150 | 5.5 – 91.6 | 63-112 | 56C-180TC |
| A 20 | 250 | 5.4 – 380.9 | 63-112 | 56C-180TC |
| A 30 | 410 | 5.4 – 400.8 | 63-112 | 56C-180TC |
| A 35 | 600 | 5.4 – 393.2 | 63-132 | 56C-210TC |
| A 41 | 850 | 5.2 – 376.8 | 63-132 | 56C-210TC |
| A 50 | 1,500 | 7.7 – 778.2 | 63-180 | 56C-280TC |
| A 55 | 2,000 | 4.9 – 793.0 | 63-180 | 56C-280TC |
| A 60 | 2,800 | 7.9 – 755.4 | 63-180 | 56C-280TC |
| A 70 | 5,000 | 9.4 – 1715.0 | 63-200 | 56C-280TC |
| A 80 | 8,000 | 9.8 – 1558.0 | 63-225 | 56C-320TC |
| A 90 | 14,000 | 9.7 – 1632.0 | 63-250 | 56C-320TC |

(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio.

HELICAL PARALLEL

F Series

The F series gearbox is a versatile and compact solution for demanding applications. Its layout, the lateral holes for side mounting and the embedded torque arm minimize the mounting space and simplify installation. Its forced gear-shaft mounting ensures high torsional rigidity and precise operation, even in dynamic applications. The F series also offers a wide ratio range, making it suitable for various needs.



ATEX AVAILABLE

MAIN BENEFITS

- Reduced installation space
- Wide output speed range
- High stiffness for dynamic application
- Safe operation in potentially explosive atmospheres

MAIN OPTIONS

| Stages | | | Version | Adapter | | | | |
|----------------------------|---|--------------------------|---------------------|--------------|------------------------|--------------------|---------------|-------------------|
| | | | | | | | | |
| 2 STAGES | 3 STAGES | 4 STAGES | FLANGE | IEC | COMPACT | NEMA | SERVO | SOLID INPUT SHAFT |
| Antivibration | | Oil seal (single/double) | | Oil type | | Valve | Backlash | |
| | | | | | | | | |
| BUSHING KIT FOR TORQUE ARM | | NBR | FKM | SYNTHETIC | MINERAL | FOOD GRADE | BREATHER PLUG | REDUCED BACKLASH |
| Backstop | Output Shaft (metric or imperial) | | Bearings | | Cover | Surface protection | | |
| | | | | | | | | |
| BACKSTOP | HOLLOW SHAFT (keyed or with shrink disk or splined) | PLUG-IN SOLID SINGLE | REINFORCED BEARINGS | SAFETY COVER | PAINING CLASS UP TO C5 | | | |

TECHNICAL DATA

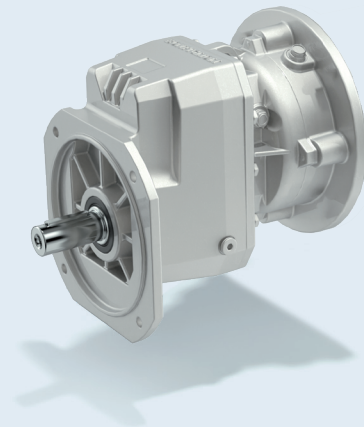
| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Max. adapter size | |
|-------|-------------------------------|------------------|-------------------|-----------|
| | [Nm] | i | IEC | NEMA |
| F 10 | 140 | 7.4-127.1 | 63-112 | 56C-180TC |
| F 20 | 250 | 6.4-545.3 | 63-112 | 56C-180TC |
| F 25 | 400 | 6.9-1374 | 63-112 | 56C-180TC |
| F 31 | 600 | 6.9-1539 | 63-132 | 56C-210TC |
| F 41 | 1,100 | 6.7-1411 | 63-132 | 56C-210TC |
| F 51 | 1,800 | 7.2-1439 | 63-180 | 56C-280TC |
| F 60 | 2,900 | 9.0-1141 | 63-180 | 56C-280TC |
| F 70 | 5,000 | 10.0-2188 | 63-200 | 56C-280TC |
| F 80 | 8,000 | 10.3-1987 | 63-225 | 56C-320TC |
| F 90 | 14,000 | 10.3-2099 | 63-250 | 56C-320TC |

(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio.

HELICAL SINGLE-STAGE

S Series















The S Series is suitable for high-speed applications like pumps and fans. Its essential design keeps costs low, while the Unibox housing and forced gear-shaft mounting ensure robustness and precision. Low gear ratios ensure high output speeds, while its dynamic stiffness handles demanding tasks with ease. Choose S Series for power, efficiency and affordability in a compact package.



MAIN BENEFITS

- Specifically designed for long-term high output speed applications (pump, fan)
- Enables cost-effective, high-efficiency power transmission

MAIN OPTIONS

| Version | | Adapter | | | Oil type | | |
|---|---|---|--|---|--|--|--|
|  |  |  |  |  |  |  |  |
| FEET | FLANGE | IEC | COMPACT | SOLID INPUT SHAFT | SYNTHETIC | MINERAL | UHI FOOD GRADE |
| Oil seal (single/double) | | Valve | | Surface protection | | | |
|  |  |  | |  | | | |
| NBR | FKM | BREATHER PLUG | | PAINTING CLASS UP TO C5 | | | |
| Solid Shafts | | Backstop | | | | | |
|  |  | | | | | | |
| METRIC | BACKSTOP | | | | | | |

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Max. adapter size | Max Input Power |
|-------|-------------------------------|------------------|-------------------|-----------------|
| | [Nm] | i | IEC | [kW] |
| S 10 | 21 | 1.4-12.3 | 63-112 | 1.1 |
| S 20 | 37 | 1.4-12.4 | 63-112 | 1.8 |
| S 30 | 70 | 1.4-13.1 | 63-132 | 3.2 |
| S 40 | 125 | 1.4-12.4 | 63-132 | 6.6 |
| S 50 | 200 | 1.4-12.9 | 63-180 | 11.6 |

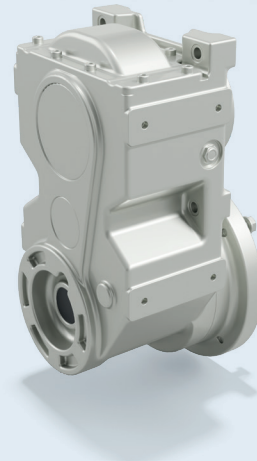
(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio.

HOIST DRIVE UNITS

HF Series

The new HF Series are the range of drive solutions dedicated for Hoists application in material handling cranes. The design of HF Series has been framed by our synergetic R&D team after performing detailed data analysis of real operating conditions and conducting several interactions with many Crane manufacturers to understand operating challenges faced by them to define needs for special design features which are incorporated in these products.


















The products are designed for higher FEM & ISO classes to have higher safety, high reliability and ensuring higher performances with precise operation of hoists. Additionally, the higher input to output offset and higher space between motor and drum installation provide an advantage to the OEMs to choose from a wide range of drum sizes available in the market.



MAIN BENEFITS

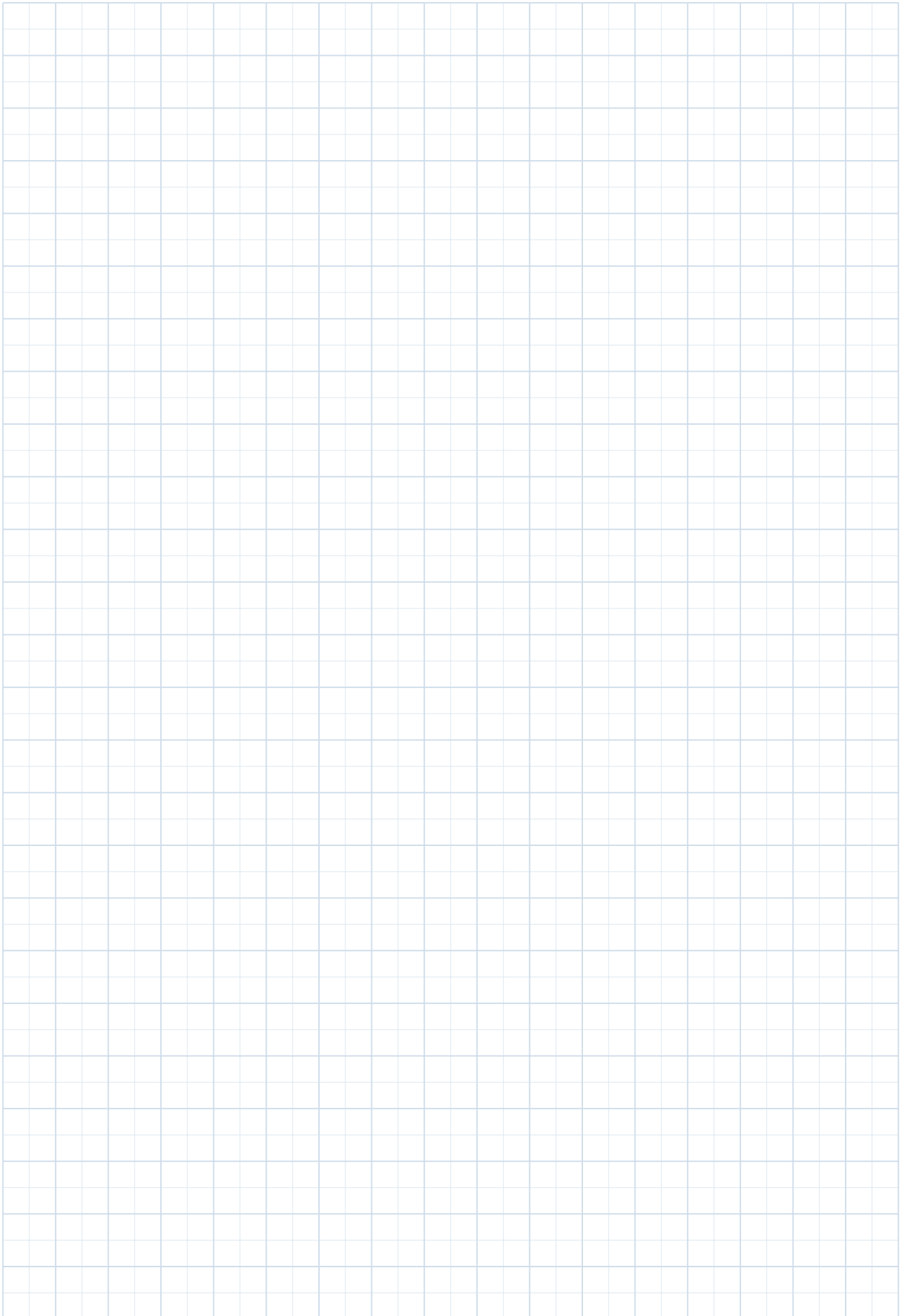
- Rugged structural design with high load carrying capacity
- Higher center & offset distance
- Wide range of output connections provides design flexibility for OEM's
- High performance Gears and Bearings
- Dual Brake options
- Nodular SG Iron Housing for higher load carrying capacity and higher service factors

MAIN OPTIONS

| Stages | Version | Adapter | Output Shaft |
|---|--|--|--|
|  3 STAGES |  FLANGE |  IEC |  SPLINE SOLID SHAFT WITH WOA FLANGE |
| Operation class | | Oil type | Valve |
|  M5 |  M6 |  M7 |  M8 |
| | |  SYNTHETIC |  BREATHER, OIL LEVEL & DRAIN PLUGS |
| Motor option | | Bearings | Surface protection |
|  BRAKE MOTOR, 4 POLE, 50 HZ, SI/S4 DUTY | |  SUPERIOR BEARINGS |  PAINTING CLASS UP TO C5 |
| Mounting position | | Brake options | |
|  H2 (default) |  H3 |  EXTERNAL BRAKE VERSION (Dual brake) | |
| |  H4 | | |

TECHNICAL DATA

| Sizes | Load | Nominal Torque | Gear ratio | Drum Dia | IEC frame |
|--------|----------|----------------|--------------|-------------|-----------|
| | Ton | Nm | i | mm | mm |
| HF 40 | up to 5 | 1100 | 34.7 – 106.8 | 140 ... 200 | 90-112 |
| HF 70 | up to 8 | 2300 | 28.3 – 139.4 | 160 ... 240 | 112-132 |
| HF 125 | up to 16 | 6300 | 38.5 – 162.7 | 230 ... 340 | 132-160 |



GEAR UNITS

Bonfiglioli offers a wide range of gearboxes, from worm gearboxes to planetary gearboxes, to meet different torque and speed requirements

HEAVY DUTY INDUSTRIAL GEARBOXES

Go beyond the limitations of standard industrial gearboxes with our heavy-duty series.

These gearboxes represent the best in cutting-edge technology and superior materials, ensuring unparalleled performance and unwavering reliability.

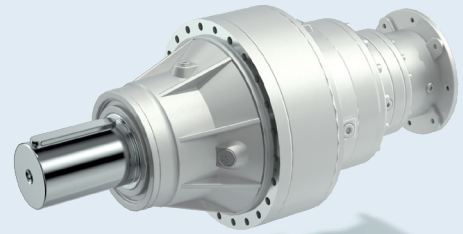
Designed to deliver superior durability, increased mechanical torque range and top-tier performance under demanding environmental conditions, our heavy-duty gearboxes are the prime choice for rigorous industrial applications



PLANETARY

300M Series

The 300M Series is an outstanding solution for all heavy-duty applications where compactness and flexibility are a must. Thanks to its modular design, the 300M series can be customized to match an extremely wide range of applications. This planetary gearbox achieves top-class flexibility thanks to the various available output and input configurations and the compatibility with both electric and hydraulic motors. Furthermore, it has a highly transmissible torque/weight ratio and operates without unwanted downtime even in harsh environment or in potentially explosive gas and dust atmospheres

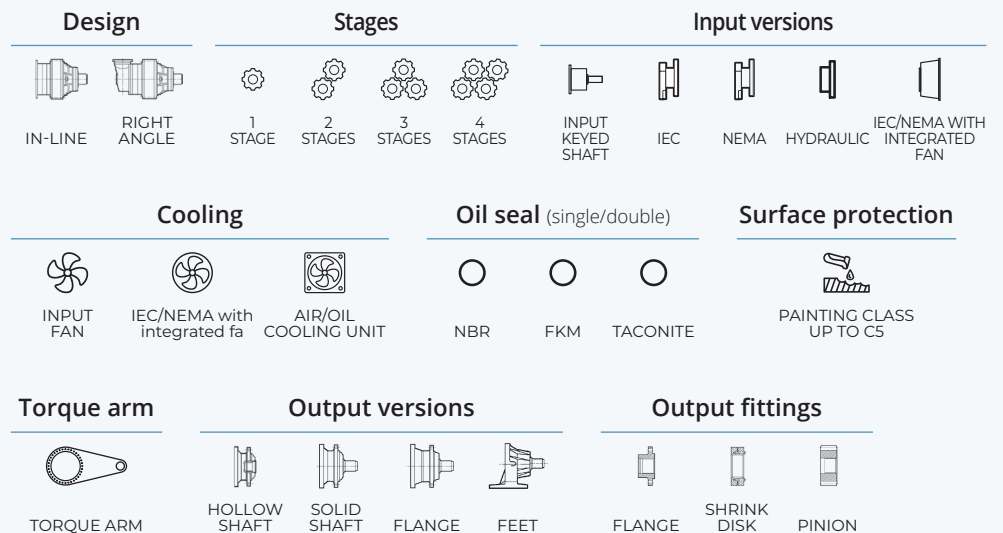


ATEX AVAILABLE

MAIN BENEFITS

- High torque density & peak load capacity
- Max flexibility & high performance to meet any reduction ratio
- Minimized mounting space and weight
- Low maintenance costs

MAIN OPTIONS



TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ [Nm] | Gear ratio range i | Motor adapter range | |
|-------|---------------------------------------|-----------------------|---------------------|-----------|
| | | | IEC | NEMA |
| 300 | 1,250 | 3.48-2692 | 71-132 | N56-N280 |
| 301 | 2,460 | 3.48-2692 | 71-132 | N56-N280 |
| 303 | 2,970 | 3.60-2799 | 71-200 | N56-N280 |
| 304 | 3,960 | 3.60-2453 | 71-200 | N56-N280 |
| 305 | 5,800 | 3.60-2799 | 71-200 | N56-N280 |
| 306 | 10,840 | 3.60-2916 | 71-250 | N56-N360 |
| 307 | 15,680 | 3.43-2423 | 71-250 | N56-N360 |
| 309 | 23,240 | 3.43-2423 | 71-250 | N56-N360 |
| 310M | 33,460 | 4.09-2523 | 71-250 | N56-N360 |
| 311M | 49,210 | 4.09-2096 | 71-250 | N56-N360 |
| 313M | 60,940 | 4.14-2187 | 71-250 | N56-N360 |
| 314M | 80,640 | 4.25-1796 | 132-250 | N250-N360 |
| 315M | 100,800 | 4.25-1805 | 132-250 | N250-N360 |
| 316M | 134,390 | 4.25-1553 | 132-250 | N320-N360 |
| 317M | 207,490 | 4.09-1893 | 132-250 | N320-N360 |
| 318M | 297,550 | 4.40-1059 | 180-250 | N320-N360 |
| 319 | 471,190 | 4.08-1389 | 180-250 | N320-N360 |
| 321 | 655,740 | 4.44-1122 | 180-250 | N320-N360 |
| 323 | 890,310 | 4.60-1280 | 200-250 | N400 |
| 325 | 1,286,000 | 4.60-1280 | 200-250 | N400 |

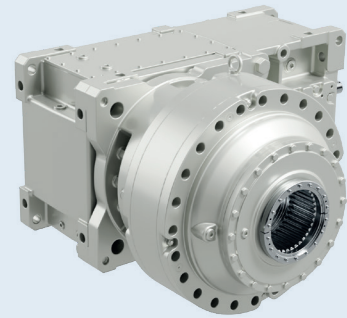
(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio

COMBINED PLANETARY HEAVY DUTY/HELICAL BEVEL LIGHT DUTY

3/H Series

The 3/H Series combines the high-torque density of planetary gear units with the robustness, optimized cooling efficiency and high-speed operation of the heavy-duty helical bevel products.





















This configuration can provide great power transmission in a very compact space. It is designed to meet the needs of high power in a wide range of high output speeds, while complying with all thermal limits. The 3/H series also comes with a set of features including cooling circuits, adapted to the customer's needs.



MAIN BENEFITS

- High thermal rating
- Suitable for all heavy-duty applications
- High shock resistance
- Designed to handle the most demanding motor loads
- Wide range of options and equipment

MAIN OPTIONS

| Design | | Output versions | | | | | | | | | | | |
|---|--------------------------------|---|---|---|--------------------------------|---|--------------------------------|---|--------------|---|-------------------------|---|---------|
|  | RIGHT ANGLE |  | SHAFT MOUNTED (Hollow splined shaft) |  | SHAFT MOUNTED (Shrink disk) |  | SOLID SHAFT (splined / key) | | | | | | |
| Input versions | | Auxiliary thermal device | | | | | | | | | | | |
|  | INPUT KEYED SHAFT |  | IEC |  | NEMA |  | INPUT FAN |  | COOLING COIL |  | AUTONOMOUS COOLING UNIT |  | HEATERS |
| Forced lubrication | | Backstop | | Oil seal | | | Oil sensor | | | | | | |
|  | MECHANICAL OR ELECTRIC PUMP |  | BACKSTOP |  | TACONITE |  | NBR |  | FKM |  | THERMOSTAT | | |
| Torque arm | | Surface protection | | Filters | | | | | | | | | |
|  | TORQUE ARM |  | PAINTING CLASS UP TO C5 |  | DESSICANT FILTER BREATHER | | | | | | | | |

TECHNICAL DATA

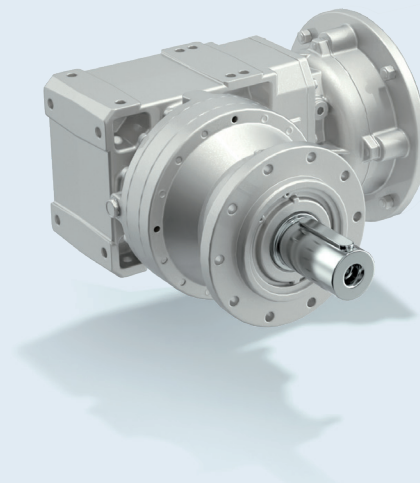
| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Motor adapter range | |
|--------|-------------------------------|------------------|---------------------|-------------|
| | [Nm] | | IEC | NEMA |
| 3/H 11 | 46.660 | 30 - 1099 | 112 - 280 | N180 - N400 |
| 3/H 13 | 58.020 | 30 - 1113 | 112 - 280 | N180 - N400 |
| 3/H 15 | 96.540 | 93 - 1160 | 132 - 315 | N210 - N400 |
| 3/H 16 | 128.650 | 111 - 1160 | 132 - 315 | N250 - N400 |
| 3/H 17 | 196.640 | 102 - 921 | 160 - 315 | N250 - N440 |
| 3/H 18 | 277.930 | 99 - 1128 | 160 - 315 | N250 - N440 |
| 3/H 19 | 437.660 | 105 - 993 | 160 - 315 | N280 - N440 |
| 3/H 21 | 605.930 | 120 - 960 | 225 - 315 | N320 - N440 |
| 3/H 23 | 822.380 | 121 - 937 | 250 - 315 | N360 - N440 |
| 3/H 25 | 1.188.610 | 127 - 1071 | 250 - 315 | N360 - N440 |

(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio.

COMBINED PLANETARY HEAVY DUTY/HELICAL BEVEL LIGHT DUTY

3/A Series

The Bonfiglioli 3/A Series combines the high torque density of planetary gear units with the robustness and high speed of helical bevel products. This configuration provides great power transmission in a very compact space, thanks also to its angular layout. The 3/A Series is available for the lower range of the 300M Series and represents a smart path to medium-duty power transmission for the industrial market. With its broad e-motor portfolio, Bonfiglioli can always provide customers an outstandingly balanced solution in terms of efficiency, dynamics and cost-effectiveness.



MAIN BENEFITS

- High torque density & peak load capacity
- Modular and adaptable solution
- Low maintenance costs
- Minimized mounting space

MAIN OPTIONS

Design



RIGHT ANGLE



SOLID SHAFT
(splined / key)



FEET



SHAFT MOUNTED
(Hollow splined shaft)



SHAFT MOUNTED
(Shrink disk)

Output fittings



FLANGE



SHRINK
DISK

Input versions



INPUT KEYED
SHAFT



IEC



NEMA



COMPACT

Oil type



SYNTHETIC

Oil seal



NBR



FKM

Surface protection



PAINTING CLASS
UP TO C5

Torque arm



TORQUE ARM

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Motor adapter range | |
|--------|-------------------------------|------------------|---------------------|------------|
| | [Nm] | i | IEC | NEMA |
| 3/A 00 | 1,250 | 19.1 - 660 | 63 - 112 | N56 - N180 |
| 3/A 01 | 2,460 | 18.8 - 665 | 63 - 112 | N56 - N180 |
| 3/A 03 | 2,970 | 19.0 - 731 | 63 - 112 | N56 - N180 |
| 3/A 04 | 3,960 | 18.7 - 520 | 63 - 132 | N56 - N210 |
| 3/A 05 | 5,800 | 18.7 - 594 | 63 - 132 | N56 - N210 |
| 3/A 06 | 10,840 | 27.7 - 671 | 63 - 180 | N56 - N280 |
| 3/A 07 | 15,680 | 27.1 - 439 | 63 - 180 | N56 - N280 |

(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio

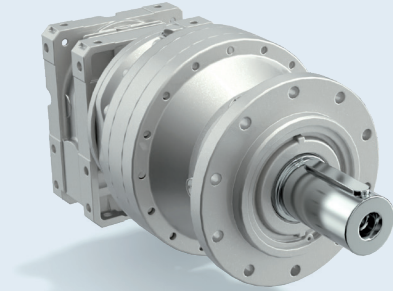
COMBINED PLANETARY/WORM

3/V Series

The result of over six decades of mastery in worm and planetary gear drive technologies, this series embodies the convergence of unparalleled power and exceptional performance.

The 3/V Series is meticulously engineered for unwavering reliability. Its robust design thrives under relentless stress, including frequent start-stop cycles and harsh environments. This includes potentially explosive gas and dust atmospheres.

The 3/V Series boasts remarkable versatility thanks to its modular design. With a wide range of gear ratios, options and mounting configurations, it adapts to unique needs.



MAIN BENEFITS

- Modular and adaptable solution
- Low maintenance costs
- Minimized mounting space

MAIN OPTIONS

Design



RIGHT
ANGLE



SOLID SHAFT
(splined / key)



FEET



SHAFT MOUNTED
(Hollow splined
shaft)



SHAFT MOUNTED
(Shrink disk)

Output fittings



FLANGE



SHRINK
DISK



INPUT KEYED
SHAFT



IEC



NEMA



COMPACT

Input versions

Oil type



SYNTHETIC

Oil seal (single/double)



NBR



FKM

Surface protection



PAINTING CLASS
UP TO C5

Torque arm



TORQUE ARM

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Motor adapter range | |
|---------|-------------------------------|------------------|---------------------|-------------|
| | [Nm] | i | IEC | NEMA |
| 3/V 00 | 1,250 | 415 - 2337 | 63 - 80 | N56 |
| 3/V 01 | 2,460 | 430 - 2337 | 63 - 80 | N56 |
| 3/V 03 | 2,970 | 395 - 2511 | 71 - 90 | N56 - N140 |
| 3/V 04 | 3,960 | 384 - 2366 | 71 - 112 | N56 - N180 |
| 3/V 05 | 5,800 | 396 - 2232 | 71 - 112 | N56 - N180 |
| 3/V 06 | 10,840 | 395 - 2588 | 71 - 112 | N56 - N180 |
| 3/V 07 | 15,680 | 386 - 2472 | 80 - 132 | N140 - N210 |
| 3/V 09 | 23,240 | 370 - 2472 | 100 - 160 | - |
| 3/V 10M | 33,640 | 436 - 4959 | 100 - 160 | N56 - N180 |
| 3/V 11M | 49,210 | 430 - 5326 | 80 - 180 | N140 - N210 |
| 3/V 13M | 60,940 | 370 - 5046 | 80 - 180 | N140 - N210 |
| 3/V 14M | 80,640 | 397 - 4959 | 100 - 180 | - |
| 3/V 15M | 100,800 | 386 - 5234 | 100 - 225 | - |
| 3/V 16M | 132,390 | 397 - 4950 | 100 - 225 | - |
| 3/V 17M | 207,490 | 405 - 4970 | 100 - 225 | - |
| 3/V 18M | 297,550 | 765 - 5099 | 132 - 225 | - |
| 3/V 19 | 471,190 | 2582 - 5164 | 132 - 225 | - |
| 3/V 21 | 655,740 | 1062 - 5040 | 132 - 225 | - |

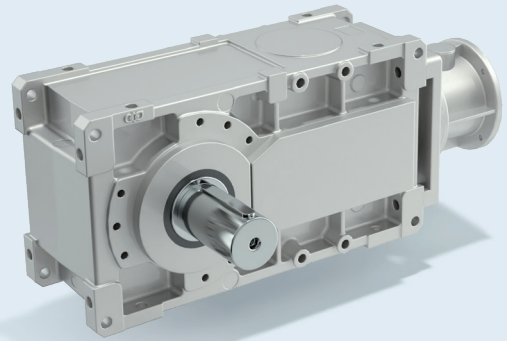
(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio.

HELICAL BEVEL HEAVY DUTY

HDO Series

The HDO gearbox series is engineered to handle a wide range of heavy-duty applications. Built with top quality materials and cutting-edge technology, the HDO Series delivers exceptional torque, high reliability and a long life, even in harsh environments or in potentially explosive gas and dust atmospheres. Its high-quality construction ensures maximum torque output, minimizing maintenance and downtime.

With flexible right-angle shaft configurations and a wide range of options and accessories, the HDO Series can be customized to meet the unique requirements of your application.



ATEX AVAILABLE

MAIN BENEFITS

- Low maintenance costs
- Minimized mounting space
- Long term stock

MAIN OPTIONS

| Stages | | | Output shafts | | | Shaft arrangement | |
|-----------------------------|----------|------------|--------------------------|------------------------------|--|---|-----|
| | | | | | | | |
| 2 STAGES | 3 STAGES | 4 STAGES | DOUBLE SHAFT | SINGLE SHAFT (right or left) | HOLLOW SHAFT (keyed or with shrink disk) | DOUBLE INPUT SHAFT (lateral and/or upper) | |
| Input versions | | | Auxiliary thermal device | | | | |
| | | | | | | | |
| INPUT KEYED SHAFT | IEC | NEMA | INPUT FAN | COOLING COIL | AUTONOMOUS COOLING UNIT | HEATERS | |
| Forced lubrication | | Drywell | Backstop | Bearings | Oil seal | | |
| | | | | | | | |
| MECHANICAL OR ELECTRIC PUMP | | DRYWELL | BACKSTOP | REINFORCED BEARINGS | TACONITE | NBR | FKM |
| Filters | | Oil sensor | Torque arm | Surface protection | | | |
| | | | | | | | |
| DESSICANT FILTER BREATHER | | THERMOSTAT | TORQUE ARM | PAINTING CLASS UP TO C5 | | | |

TECHNICAL DATA

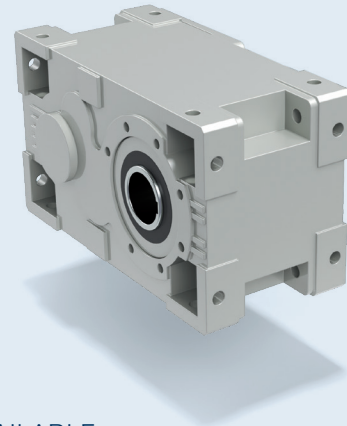
| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Motor adapter range | |
|---------|-------------------------------|------------------|---------------------|-------------|
| | [Nm] | i | IEC | NEMA |
| HDO 71 | 8,990 | 5.6 - 500 | 132 - 225 | N210 - N360 |
| HDO 81 | 14,740 | 5.6 - 500 | 132 - 225 | N210 - N360 |
| HDO 91 | 21,610 | 7.1 - 500 | 160 - 280 | N250 - N400 |
| HDO 95 | 23,200 | 20.0 - 500 | 160 - 280 | N250 - N400 |
| HDO 100 | 28,210 | 5.6 - 355 | 112 - 315 | N180 - N400 |
| HDO 110 | 31,790 | 6.3 - 400 | 112 - 315 | N180 - N400 |
| HDO 120 | 41,250 | 6.3 - 400 | 132 - 315 | N210 - N440 |
| HDO 125 | 49,240 | 7.1 - 450 | 132 - 315 | N210 - N440 |
| HDO 130 | 69,570 | 5.6 - 355 | 160 - 315 | N250 - N440 |
| HDO 140 | 87,060 | 6.3 - 400 | 160 - 315 | N250 - N440 |
| HDO 150 | 117,200 | 5.6 - 250 | 160 - 315 | - |
| HDO 160 | 147,070 | 7.1 - 280 | 160 - 315 | - |

(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio

HELICAL PARALLEL SHAFT HEAVY DUTY

HDP Series

The HDP gearbox series is engineered to handle a wide range of heavy-duty applications. Built with top quality materials and cutting-edge technology, the HDP Series delivers exceptional torque, high reliability and a long life, even in harsh environments or in potentially explosive gas and dust atmospheres. Its high-quality construction ensures maximum torque output, minimizing maintenance and downtime. With flexible parallel shaft configurations and a wide range of options and accessories, the HDP Series can be customized to meet the unique requirements of your application.



ATEX AVAILABLE

MAIN BENEFITS

- Low maintenance costs
- Minimized mounting space
- Long term stock

MAIN OPTIONS

| Stages | | | Output shafts | | | Shaft arrangement | |
|-----------------------------|------------|----------|--------------------------|------------------------------|--|--------------------|--|
| | | | | | | | |
| 2 STAGES | 3 STAGES | 4 STAGES | DOUBLE SHAFT | SINGLE SHAFT (right or left) | HOLLOW SHAFT (keyed or with shrink disk) | DOUBLE INPUT SHAFT | |
| Input versions | | | Auxiliary thermal device | | | | |
| | | | | | | | |
| INPUT KEYED SHAFT | IEC | NEMA | INPUT FAN | COOLING COIL | AUTONOMOUS COOLING UNIT | HEATERS | |
| Forced lubrication | | Drywell | Backstop | Bearings | | Oil seal | |
| | | | | | | | |
| MECHANICAL OR ELECTRIC PUMP | DRYWELL | BACKSTOP | REINFORCED BEARINGS | TACONITE | NBR | FKM | |
| Filters | Oil sensor | | Torque arm | Surface protection | | | |
| | | | | | | | |
| DESSICANT FILTER BREATHING | THERMOSTAT | | TORQUE ARM | PAINTING CLASS UP TO C5 | | | |

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Motor adapter range | |
|---------|-------------------------------|------------------|---------------------|-------------|
| | [Nm] | | IEC | NEMA |
| HDP 60 | 5,190 | 7.1 - 100 | 132 - 225 | N210 - N360 |
| HDP 70 | 7,080 | 8.0 - 112 | 132 - 225 | N210 - N360 |
| HDP 80 | 12,600 | 8.0 - 112 | 160 - 280 | N250 - N400 |
| HDP 90 | 17,900 | 8.0 - 112 | 160 - 280 | N250 - N400 |
| HDP 100 | 28,210 | 7.1 - 500 | 112 - 315 | N180 - N400 |
| HDP 110 | 31,790 | 8.0 - 500 | 112 - 315 | N180 - N400 |
| HDP 120 | 41,250 | 8.0 - 500 | 132 - 315 | N210 - N440 |
| HDP 125 | 49,240 | 9.0 - 500 | 132 - 315 | N210 - N440 |
| HDP 130 | 69,570 | 7.1 - 500 | 160 - 315 | N250 - N440 |
| HDP 140 | 87,060 | 8.0 - 500 | 160 - 315 | N250 - N440 |
| HDP 150 | 117,200 | 8.0 - 315 | 160 - 315 | - |
| HDP 160 | 147,070 | 9.0 - 355 | 160 - 315 | - |

(1) The Nominal Torque is the torque rating representative of the size. The value can change with gear ratio

GEAR UNITS

Bonfiglioli offers a wide range of gearboxes, from worm gearboxes to planetary gearboxes, to meet different torque and speed requirements

PRECISION PLANETARY GEARBOXES

Since decades, Bonfiglioli is a trusted partner for innovative, efficient and highly reliable precision planetary gearboxes (PPGs).

Engineered for excellence, our PPGs offer unmatched quality, extreme compactness and a wide variety of configurations, enabling long lasting operation in dynamic applications.

(P) PERFORMANCE LINE

(E) EFFECTIVE LINE

PRECISION PLANETARY INLINE GEARBOXES

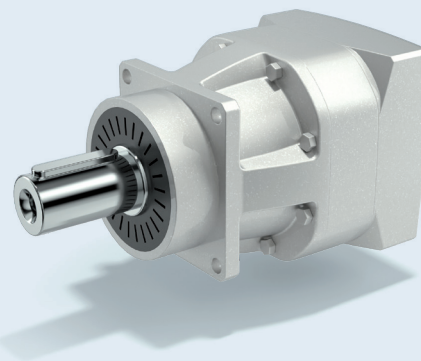
(P)

TQ Series

The TQ series scores across all performance categories, offering high torque density, good overload capacity, high precision and extreme stiffness.

Specifically designed to meet the rigorous demands of servo systems, the TQ range is ideally suited for applications requiring rapid dynamics and precise positioning.

Its robust design ensures reliability and efficiency even in the most challenging operational conditions.



MAIN BENEFITS

- Maximum power density across the Precision Gearbox range
- Ideal for applications with demanding load cycles with strong accuracy requirements and high dynamics
- The reinforced bearings option allows TQ to work in applications with challenging external loads
- Easy retrofit thanks to an output interface widely available in the market
- Suited to various environments thanks to its IP65 protection class

MAIN OPTIONS

Input versions



MOTOR
ADAPTER



WITHOUT
MOTOR ADAPTER

Lubrication



STANDARD



UHI
FOOD
GRADE

Output shafts versions



SMOOTH
KEYLESS SHAFT



KEYED
SHAFT

Bearings versions



STANDARD



REINFORCED

Service type



S1



S5

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|------------------|-----------------------------------|----------|---------------------|--------------------|
| | | | Reduced | Standard | | |
| | [Nm] | i | [arcmin] | | [Nm/arcmin] | [Nm] |
| 060 | 30 | 3-100 | 2 | 4 | 4,8 | 129,5 |
| 070 | 70 | 3-100 | 2 | 4 | 11,3 | 343 ⁽²⁾ |
| 090 | 200 | 3-100 | 2 | 3 | 28 | 772 ⁽²⁾ |
| 130 | 400 | 3-100 | 2 | 3 | 59 | 1233 |
| 160 | 800 | 3-100 | 2 | 3 | 170 | 2331 |

1) Best available value for each size.

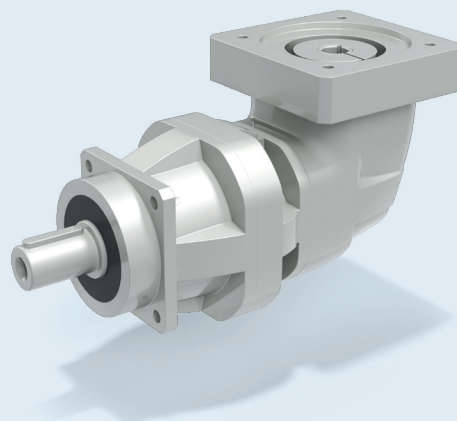
2) Valid for "Reinforced bearings" version.

PRECISION PLANETARY RIGHT ANGLE GEARBOXES

(P)

TQK Series

The TQK right-angle series presents an ideal solution for space-saving needs while maintaining the superior performance levels inherited from the TQ inline series. This series is particularly suited for the highly demanding requirements of servo systems, such as fast dynamic response, frequent reverse motion, precise position and high number of starts and stops.



MAIN BENEFITS

- Maximum power density across the Precision Gearbox range
- Ideal for applications with demanding load cycles with strong accuracy requirements and high dynamics
- Reinforced bearings option allows TQ to work in applications with challenging external loads
- Easy retrofit thanks to an output interface widely available in the market
- Compact right-angle design for tight installation space
- Fits various environments thanks to its IP65 protection class

MAIN OPTIONS

Input versions



MOTOR
ADAPTER



WITHOUT
MOTOR ADAPTER

Lubrication



STANDARD



UHI
FOOD
GRADE

Output shafts versions



SMOOTH
KEYLESS SHAFT



KEYED
SHAFT

Bearings versions



STANDARD



REINFORCED

Service type



S1



S5

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|------------------|-----------------------------------|----------|---------------------|--------------------|
| | | | Reduced | Standard | | |
| | [Nm] | i | [arcmin] | | [Nm/arcmin] | [Nm] |
| 060 | 30 | 6-200 | 5 | 6 | 4,8 | 129,5 |
| 070 | 70 | 6-200 | 5 | 6 | 11,3 | 343 ⁽²⁾ |
| 090 | 200 | 6-200 | 4 | 5 | 28 | 772 ⁽²⁾ |
| 130 | 400 | 6-200 | 4 | 5 | 59 | 1233 |
| 160 | 800 | 6-200 | 4 | 5 | 170 | 2331 |

1) Best available value for each size.

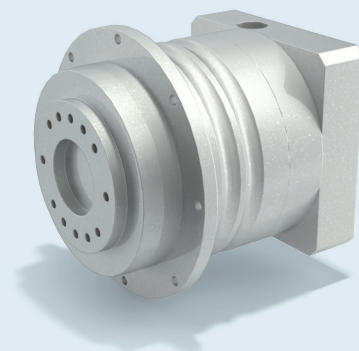
2) Valid for "Reinforced bearings" version.

PRECISION PLANETARY INLINE GEARBOXES

(P)

TQF Series

The TQF series represent the best solution for precision applications requiring high overloads and direct mounting to rotating flange shaft. It features a standardized output interface and a very compact design on all of the 5 available sizes. High tilting moment, high stiffness and overload capacity characterize the design of TQF.



MAIN BENEFITS

- TQF extreme torsional stiffness ensures ideal path accuracy even in case of frequent overloads
- Robust installation thanks to the standardized output flange interface
- Dedicated design for continuous (S1) or intermittent (S5) duty cycles
- Fits various environments thanks to its IP65 protection class

MAIN OPTIONS

Input versions



Lubrication



Service type



TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|------------------|-----------------------------------|----------|---------------------|--------------------|
| | | | Reduced | Standard | | |
| | [Nm] | i | [arcmin] | | [Nm/arcmin] | [Nm] |
| 060 | 30 | 4-100 | 3 | 5 | 12 | 115 |
| 070 | 70 | 4-100 | 3 | 5 | 29 | 318 |
| 090 | 200 | 4-100 | 3 | 5 | 70 | 430 |
| 130 | 400 | 4-100 | 3 | 5 | 180 | 1200 |
| 160 | 800 | 4-100 | 3 | 5 | 500 | 3700 |

1) Best available value for each size.

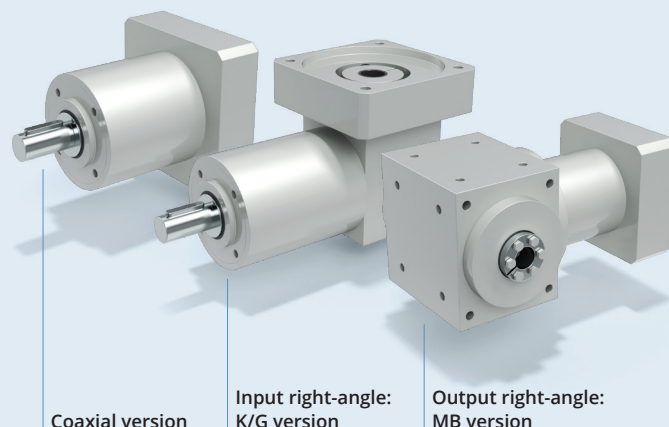
PRECISION PLANETARY IN-LINE & RIGHT ANGLE GEARBOXES

(P)

TR Series

In addition to optimal performance, very low backlash, high overload capacity and easy installation, the TR series is a well consolidated and reliable series, providing the best price-performance ratio in precision applications.

Featuring unparalleled modularity, the TR series offers multiple design configurations and a wide range of ratios.



MAIN BENEFITS

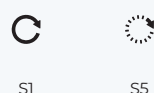
- Affordable solution in applications requiring very low backlash and medium dynamics
- Maximum flexibility thanks to a wide range of gear ratios and multiple design configurations
- Great variety of input and output configurations
- Fits various environments thanks to its IP65 protection class

MAIN OPTIONS

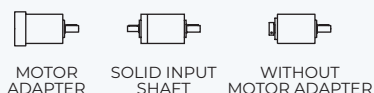
Design versions



Service type



Input versions



Lubrication



Output shafts versions



Bearings



TECHNICAL DATA

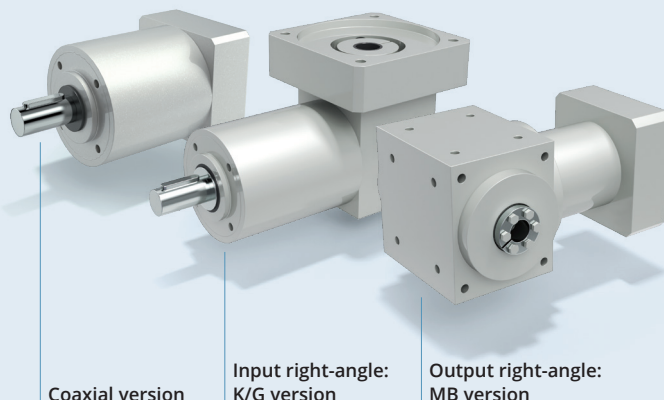
| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range i | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness [Nm/arcmin] | Max Tilting Moment [Nm] |
|-------|-------------------------------|-----------------------|-----------------------------------|----------|------------------------------------|----------------------------|
| | [Nm] | | Reduced | Standard | | |
| 053 | 20 | 3-1000 | - | 5 | 1 | 16 |
| 060 | 30 | 3-1000 | 3 | 5 | 3 | 23 |
| 080 | 70 | 3-1000 | 3 | 5 | 8 | 155 |
| 105 | 170 | 3-1000 | 3 | 5 | 24 | 278 |
| 130 | 450 | 3-1000 | 3 | 5 | 45 | 515 |
| 160 | 700 | 3-1000 | 3 | 5 | 90 | 739 |
| 190 | 1000 | 3-1000 | 3 | 5 | 130 | 1683 |

1) Best available value for each size.

PRECISION PLANETARY IN-LINE & RIGHT ANGLE GEARBOXES

MP Series

The MP series is distinguished by its extensive torque range across multiple sizes, exceptional modularity through numerous design configurations, a broad range of ratios, and an optimized lubrication system. This guarantees maximum reliability and provides the optimal solution for a broad range of precision applications.

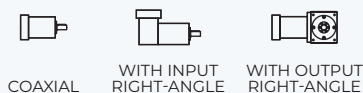


MAIN BENEFITS

- Affordable solution in applications requiring very low backlash and medium dynamics
- Maximum flexibility thanks to a wide range of gear ratios and multiple design configurations
- Great variety of input and output configurations
- Fits various environments thanks to its IP65 protection class

MAIN OPTIONS

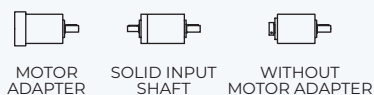
Design versions



Service type



Input versions



Lubrication



Output shafts versions



Bearings versions



TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|------------------|-----------------------------------|----------|---------------------|--------------------|
| | [Nm] | | Reduced | Standard | | |
| | | i | [arcmin] | | [Nm/arcmin] | [Nm] |
| 053 | 20 | 3-1000 | 10 | 15 | 1 | 16 |
| 060 | 30 | 3-1000 | 10 | 15 | 3 | 23 |
| 080 | 70 | 3-1000 | 10 | 15 | 8 | 155 ⁽²⁾ |
| 105 | 170 | 3-1000 | 10 | 15 | 24 | 278 ⁽²⁾ |
| 130 | 450 | 3-1000 | 10 | 15 | 45 | 515 |
| 160 | 700 | 3-1000 | 10 | 15 | 90 | 739 |
| 190 | 1000 | 3-1000 | 10 | 15 | 130 | 1683 |

1) Best available value on 1 stage gearbox.

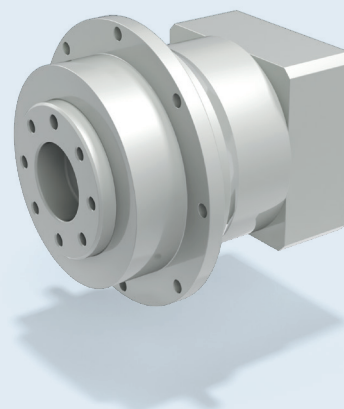
2) Valid for "Reinforced bearings" version.

PRECISION PLANETARY INLINE GEARBOXES

(E)

TQFE Series

The TQFE series delivers a winning combination of high compactness and a standardized flange interface, thus simplifying the mounting process, making it suitable for a wide range of applications. Within our effective line the TQFE series truly shines in its ability to precisely follow the dynamic motion path through its high torsional stiffness. TQFE optimizes the balance between performance, precision, and cost, providing customers with exceptional value for their machines.

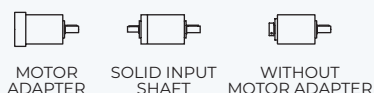


MAIN BENEFITS

- High torsional stiffness ensures stable performance even for demanding load cycles
- High compactness
- Robust installation thanks to the standardized output flange interface, with high market compatibility

MAIN OPTIONS

Input versions



Lubrication



TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | | Gear ratio range | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|--|------------------|-----------------------------------|----------|---------------------|--------------------|
| | | | | Reduced | Standard | | |
| | [Nm] | | i | [arcmin] | | [Nm/arcmin] | [Nm] |
| 060 | 30 | | 3-100 | 5 | 10 | 6,5 | 12 |
| 070 | 65 | | 3-100 | 5 | 10 | 26 | 50 |
| 090 | 155 | | 3-100 | 5 | 10 | 60 | 110 |

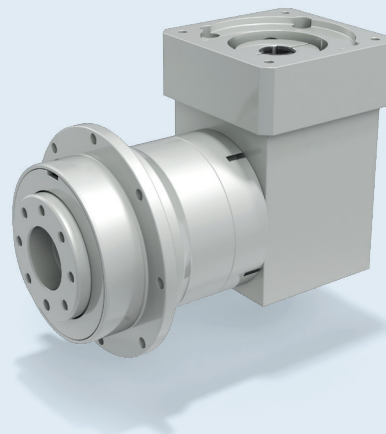
1) Best available value for each size.

PRECISION PLANETARY RIGHT ANGLE GEARBOXES

(E)

TQFEK Series

The TQFEK series offers optimized performance and features at an optimum value-price ratio.
An exceptionally compact and standardized flange interface combined with optimal positioning accuracy make it suitable for a wide range of industrial applications.
Its right-angle design allows more compactness for space- saving layouts.



MAIN BENEFITS

- High torsional stiffness ensures stable performance even for demanding load cycles
- Robust installation thanks to the standardized output flange interface, with high market compatibility
- Compact design for space-saving layouts

MAIN OPTIONS

Input versions



Lubrication



TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | | Gear ratio range | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|--|------------------|-----------------------------------|----------|---------------------|--------------------|
| | | | | Reduced | Standard | | |
| | [Nm] | | i | [arcmin] | | [Nm/arcmin] | [Nm] |
| 060 | 30 | | 3-100 | 7 | 12 | 6,5 | 12 |
| 070 | 65 | | 3-100 | 7 | 12 | 26 | 50 |
| 090 | 155 | | 3-100 | 7 | 12 | 60 | 110 |

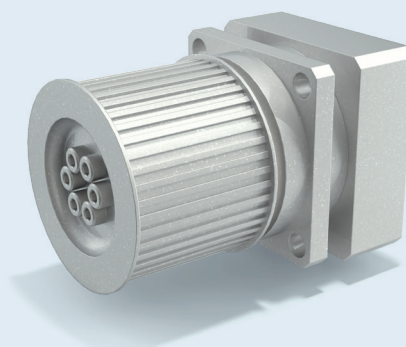
1) Best available value for each size.

PRECISION PLANETARY INLINE GEARBOXES

(E)

SL Series

The SL series serves as the cornerstone for creating the most compact timing belt drive systems. This series represents the most suitable solution for belt servo-drives, precise conveyors and all other applications requiring accuracy, an ultra-compact design and high radial load capacity. Whenever radial load represents the first limitation in gearbox sizing, SL is the best option.



MAIN BENEFITS

- Optimized for timing belt pulley drive systems thanks to the dedicated design and the integrate pulleys (option)
- Extreme compactness
- Great position accuracy

MAIN OPTIONS

Input versions



Lubrication



Output shafts versions



High power version (P option)



TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | | Gear ratio range | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|--|------------------|-----------------------------------|----------|---------------------|--------------------|
| | | | | Reduced | Standard | | |
| | [Nm] | | i | [arcmin] | | [Nm/arcmin] | [Nm] |
| 070 | 30 | | 3-100 | 6 | 12 | 6,5 | 54 |
| 090 | 65 | | 3-100 | 6 | 12 | 12 | 105 |
| 120 | 155 | | 3-100 | 6 | 12 | 45 | 238 |

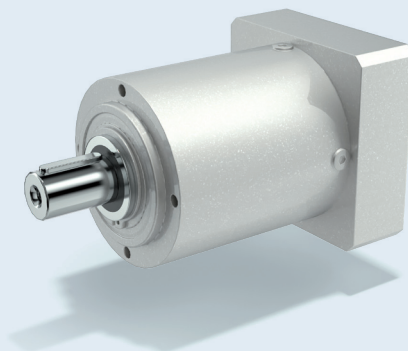
1) Best available value for each size.

PRECISION PLANETARY INLINE GEARBOXES

(E)

LC Series

LC precision planetary gearboxes represent a flexible solution and valuable alternative with optimal performance and reliability levels. The output design in line with market standards ensures great compatibility for easy retrofits and a high level of freedom in project development.



MAIN BENEFITS

- Cost effective yet powerful
- Highly reliable
- High compatibility for easy retrofits

MAIN OPTIONS

Input versions



MOTOR
ADAPTER



WITHOUT
MOTOR ADAPTER

Lubrication



STANDARD



FOOD
GRADE

Output shafts versions



SMOOTH
KEYLESS SHAFT



KEYED
SHAFT

High power version (P option)



HIGH POWER
VERSION

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|------------------|-----------------------------------|----------|---------------------|--------------------|
| | [Nm] | | Reduced | Standard | | |
| | | i | [arcmin] | | [Nm/arcmin] | [Nm] |
| 050 | 12 | 3-100 | 6 | 12 | 0,9 | 15 |
| 070 | 30 | 3-100 | 6 | 12 | 3 | 54 |
| 090 | 65 | 3-100 | 6 | 12 | 12 | 105 |
| 120 | 155 | 3-100 | 6 | 12 | 30 | 238 |
| 155 | 400 | 3-100 | 6 | 12 | 50 | 522 |

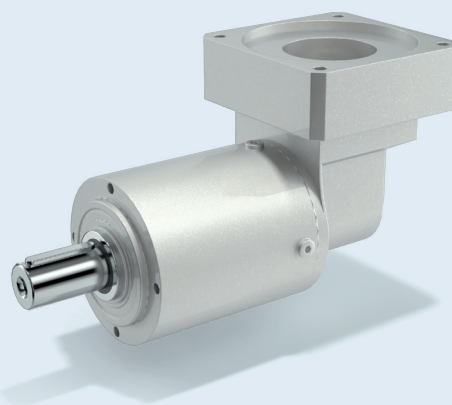
1) Best available value for each size.

PRECISION PLANETARY RIGHT ANGLE GEARBOXES

(E)

LCK Series

LCK precision planetary right-angle gearboxes represent a flexible, reliable and cost-effective solution for machines that require a very compact layout. The output design in line with market standards ensures great compatibility for easy retrofits and a high level of freedom in project development.



MAIN BENEFITS

- Cost effective yet powerful
- High compatibility for easy retrofits
- Quiet running right-angle design, ideal for space saving machine layouts

MAIN OPTIONS

Input versions



Lubrication



Output shafts versions



High power version (P option)



HIGH POWER VERSION

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Torsional Backlash ⁽¹⁾ | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|------------------|-----------------------------------|---------------------|--------------------|
| | [Nm] | i | Standard [arcmin] | [Nm/arcmin] | [Nm] |
| 050 | 12 | 6-100 | 6 | 0,9 | 15 |
| 070 | 30 | 6-100 | 6 | 2,8 | 54 |
| 090 | 60 | 6-100 | 6 | 11 | 105 |
| 120 | 155 | 6-100 | 6 | 28,4 | 238 |
| 155 | 450 | 6-100 | 6 | 47,9 | 522 |

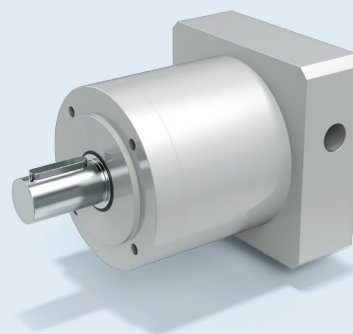
1) Best available value for each size.

PRECISION PLANETARY INLINE GEARBOXES



MPE Series

The MPE series offers a cost-effective solution for applications that require medium levels of positioning accuracy. It offers high flexibility in terms of sizes, ratios and mounting configurations for a variety of application requirements. The output design in line with market standards ensures great compatibility for easy retrofits and a high level of freedom in project development.

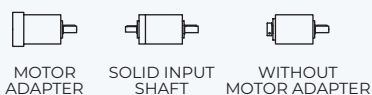


MAIN BENEFITS

- Great price-performance ratio
- High compatibility for easy retrofits
- Suitable for a variety of applications thanks to great design flexibility

MAIN OPTIONS

Input versions



Lubrication



Output shafts versions



TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|------------------|-----------------------------------|----------|---------------------|--------------------|
| | | | Reduced | Standard | | |
| | [Nm] | i | [arcmin] | | [Nm/arcmin] | [Nm] |
| 040 | 12 | 3-100 | 6 | 12 | 0,9 | 15 |
| 060 | 30 | 3-100 | 6 | 12 | 3 | 54 |
| 080 | 65 | 3-100 | 6 | 12 | 12 | 105 |
| 120 | 155 | 3-100 | 6 | 12 | 30 | 238 |

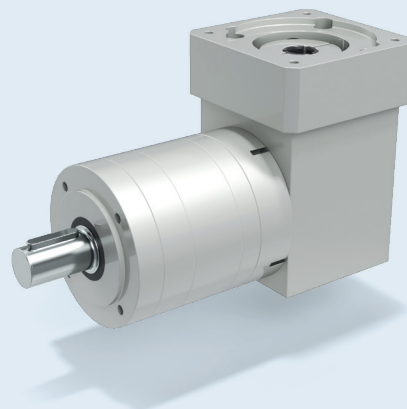
1) Best available value for each size.

PRECISION PLANETARY RIGHT ANGLE GEARBOXES

(E)

MPEK Series

The MPEK series offers medium levels of performance and position accuracy at a competitive value-price ratio. The output design in line with market standards ensures great compatibility for easy retrofits and a high level of freedom in project development. Its right angle-design allows more compactness for space-saving layouts.



MAIN BENEFITS

- Great price-performance ratio
- High compatibility for easy retrofits
- Suitable for a variety of applications thanks to great design flexibility
- Compact design for space-saving layouts

MAIN OPTIONS

Input versions



MOTOR ADAPTER



WITHOUT MOTOR ADAPTER

Lubrication



STANDARD



FOOD GRADE

Output shafts versions



SMOOTH KEYLESS SHAFT



KEYED SHAFT

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | | Gear ratio range | Torsional Backlash ⁽¹⁾ | | Torsional Stiffness | Max Tilting Moment |
|-------|-------------------------------|--|------------------|-----------------------------------|----------|---------------------|--------------------|
| | | | | Reduced | Standard | | |
| | [Nm] | | i | [arcmin] | | [Nm/arcmin] | [Nm] |
| 060 | 30 | | 3-100 | 7 | 12 | 2.5 | 18 |
| 080 | 65 | | 3-100 | 7 | 12 | 11 | 49 |
| 120 | 155 | | 3-100 | 7 | 12 | 23.4 | 129 |

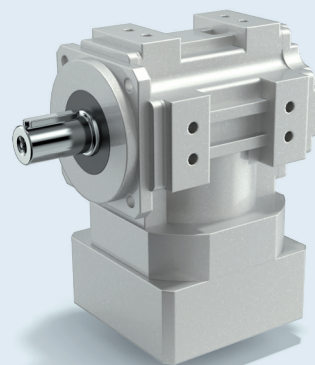
1) Best available value for each size.

PRECISION PLANETARY RIGHT ANGLE GEARBOXES

(E)

KR Series

The KR series provides maximum flexibility for applications requiring a right-angle solution, that fits in tight axial spaces, for medium precision motion. It is available in ratio 1:1, 1:2 and 1:5. The KR series can be adapted to any installation need by choosing among the various available options such as solid/hollow shaft, single/double shaft extension, shrink disk version and with or without output flange.



MAIN BENEFITS

- Best solution for space saving machine layouts requiring low ratios and mid-high precision
- Adaptable to many installation needs, thanks to the wide variety of output configurations
- Dynamic applications can benefit from the reinforced bearings options and the dedicated design for continuous or intermittent duty
- Fits various environments thanks to its IP65 protection class

MAIN OPTIONS

Input versions



MOTOR
ADAPTER



WITHOUT
MOTOR ADAPTER

Service type



S1



S5

Lubrication



STANDARD



UHL
FOOD
GRADE

Output shafts versions



SMOOTH
KEYLESS SHAFT



HOLLOW SHAFT
(keyed or with
shrink disk or
splined)

Bearings versions



STANDARD



REINFORCED

Output flange



WITHOUT FLANGE
(threaded holes)



FLANGE
(pass-through
holes)

TECHNICAL DATA

| Sizes | Nominal torque ⁽¹⁾ | Gear ratio range | Torsional Backlash ⁽¹⁾ | Torsional Stiffness | Max Radial Load |
|-------|-------------------------------|------------------|-----------------------------------|---------------------|---------------------|
| | [Nm] | i | [arcmin] | [Nm/arcmin] | [N] |
| 010 | 10 | 1-2-5 | 8 | 0,5 | 1000 |
| 020 | 24 | 1-2-5 | 8 | 1,4 | 3000 ⁽²⁾ |
| 030 | 55 | 1-2-5 | 8 | 4 | 4000 ⁽²⁾ |
| 040 | 120 | 1-2-5 | 8 | 11 | 5500 ⁽²⁾ |

1) Best available value for each size

2) Valid for "Reinforced bearings" version

ELECTRIC MOTORS

Bonfiglioli offers asynchronous and synchronous electric motors, in different sizes and powers, to suit any application.

SOLUTIONS & APPLICATIONS

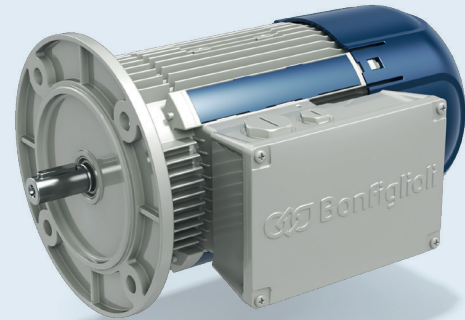
Revolutionize your industrial automation with Bonfiglioli's range of electric motors for solutions and applications. These meticulously crafted motors transcend the limitations of traditional offerings, delivering unparalleled levels of customization, efficiency and performance. Unlock the true potential of your machinery and processes with motors designed to meet your exact requirements.

IE3

evoX

BXN/MXN Series

Engineered for peak performance, the BXN/MXN three-phase induction motors deliver exceptional efficiency and reliability. With their modular design and customizable configurations, these motors are the ideal solution for the most demanding industrial application. With a 9-pin connection and global certifications, these motors simplify installation complexities and inventory management. Combined with Bonfiglioli drives, BXN/MXN motors deliver complete, energy-efficient solutions.



INDUCTION TECHNOLOGY




















MAIN BENEFITS

- One motor for different markets
- Easy and flexible installation
- Minimized mounting space
- Worldwide voltage coverage with the same efficiency level
- Excellent performance for heavy-duty starts and high loads

TECHNICAL DATA

| Sizes | Power [kW] |
|----------------|------------|
| 4 poles | |
| 63MA | 0.12 |
| 63MB | 0.18 |
| 71MA | 0.25 |
| 71MB | 0.37 |
| 80MA | 0.55 |
| 80MB | 0.75 |
| 90S | 1.1 |
| 90L | 1.5 |
| 100LA | 2.2 |
| 100LB | 3 |
| 112M | 4 |
| 132S | 5.5 |
| 132M | 7.5 |

MAIN OPTIONS

| Design versions | | | | | Global motor | Insulation class | IP protection | |
|---|---|---|---|---|---|---|---|-----------------|
|  |  |  |  |  |  |  |  | |
| B3 | B14 | B5 | B34 | B35 | CN | UP TO CL H | UP TO IP56 | |
| Brake | | Anticorrosion | Heaters | Winding treatment | | Winding protection | | Shaft extension |
|  |  |  |  |  |  |  | | |
| DC BRAKE | RELEASE LEVER | UP TO C5* | ANTI CONDENSATION HEATERS | TROPICALIZATION | THERMAL PROTECTIVE DEVICES | SECOND SHAFT | | |
| Feedback | | Guard | | Cable orientation | | | | |
|  |  |  |  | | | | | |
| ENCODER | RAIN - TEXTILE GUARD | ENCODER GUARD | CABLE ENTRY POSITION | | | | | |

* 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.

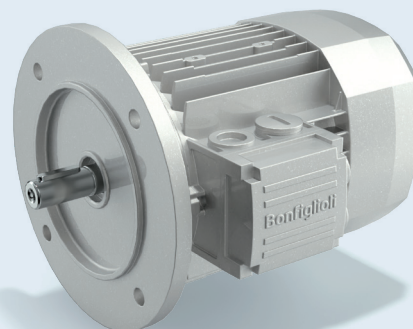
IE3-IE4

BSR Series

The Bonfiglioli BSR series are 3-phase synchronous reluctance motors suitable for a wide range of industrial applications.

This technology benefits from the proven reliability of an induction motor and the high efficiency and performance of a synchronous one.

For a complete solution, these motors must be operated with Bonfiglioli drives to achieve best in class sensorless speed or position control.



RELUCTANCE TECHNOLOGY

MAIN BENEFITS

- Long life and resistance to harsh operating conditions
- No need for feedback device for positioning
- One or two sizes less compared to asynchronous motors
- Minimal maintenance required
- Sustainable solution
- Excellent performance and dynamics

TECHNICAL DATA

| Sizes | | Power |
|---------------------|-------------------------|-------|
| High output 3000rpm | High efficiency 1500rpm | [kW] |
| | 71B | 0.37 |
| | 71C | 0.55 |
| | 80B | 0.75 |
| | 80C | 1.1 |
| 71B | 90S | 1.5 |
| 71C | 90L | 2.2 |
| 80A | | 3 |
| 80B | 100LA | 4 |
| 80C | 100LB | 5.5 |
| 90S | 112M | 7.5 |
| 90L | 132S | 9.2 |
| 100LB | 132MA | 11 |
| | 132MB | 15 |
| 112M | | 18.5 |
| 132S | | |
| 132MA | | |

MAIN OPTIONS

Design versions



B3



B14



B5

Insulation class



UP TO CL H

IP protection



UP TO IP56

Shaft extension



SECOND
SHAFT

Guard



RAIN - TEXTILE
GUARD

Cooling



FORCED
VENTILATION

Heaters



ANTI
CONDENSATION
HEATERS

Winding treatment



TROPICALIZATION

Anticorrosion



UP TO C5*

Winding protection



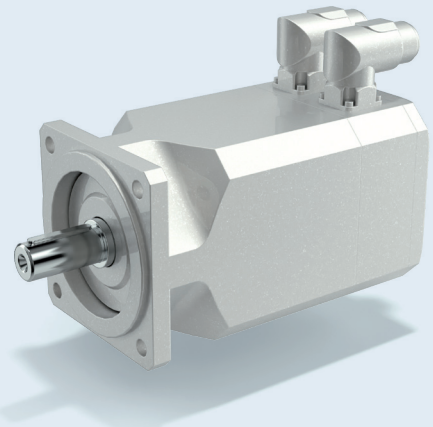
THERMAL PROTECTIVE
DEVICES

* 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.

SERVO

BMD Series

The Bonfiglioli BMD series are 3-phase synchronous permanent magnet motors with compact dimensions and low/medium inertia suitable for high dynamic industrial applications and agv/amr vehicles. They meet the stringent demands for precision, dynamics and speed settings thanks to their high-quality neodymium iron boron rare-earth magnets and our excellent design. These motors are optimized for operation with drives and precision planetary gearboxes, offering an excellent synergy.



PERMANENT MAGNETS TECHNOLOGY

MAIN BENEFITS

- Higher power and torque density compared to induction motors
- 14 feedback types, including safety encoders
- Different output interface per motor size and various connectors
- The basic product can operate sensorless with our drives
- Optimized efficiency and energy density leads to low cogging torque
- Modular structure for easy maintenance

TECHNICAL DATA

| Sizes | Rated Range [rpm] | Stall Torque [Nm] | |
|-------|----------------------|----------------------|---------------------|
| | | | |
| 65 | 1600...6000 | 0.85 | |
| 65 | 1600...6000 | 1.7 | |
| 65 | 1600...6000 | 2.2 | |
| 82 | 1600...6000 | 3.2 | |
| 82 | 1600...6000 | 4.4 | |
| 102 | 1600...6000 | 4.0 | |
| 102 | 1600...6000 | 7.2 | |
| 102 | 1600...6000 | 9.6 | |
| 118 | 1600...6000 | 5.6 | |
| 118 | 1600...6000 | 10.2 | |
| 118 | 1600...6000 | 14 | |
| 145 | 1600...6000 | 16.8 | 21.5 ⁽¹⁾ |
| 145 | 1600...5500 | 22 | 27.5 ⁽¹⁾ |
| 170 | 1600...5500 | 34 | 44 ⁽¹⁾ |
| 170 | 1600...4500 | 45 | 60 ⁽¹⁾ |

(1) Motor with forced ventilation option

MAIN OPTIONS

Design versions

UP TO 3 INTERFACE
B5 PER SIZE

Supply



230V



400V

IP protection



UP TO IP67

Shafts versions

KEYLESS
SHAFTKEYED
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

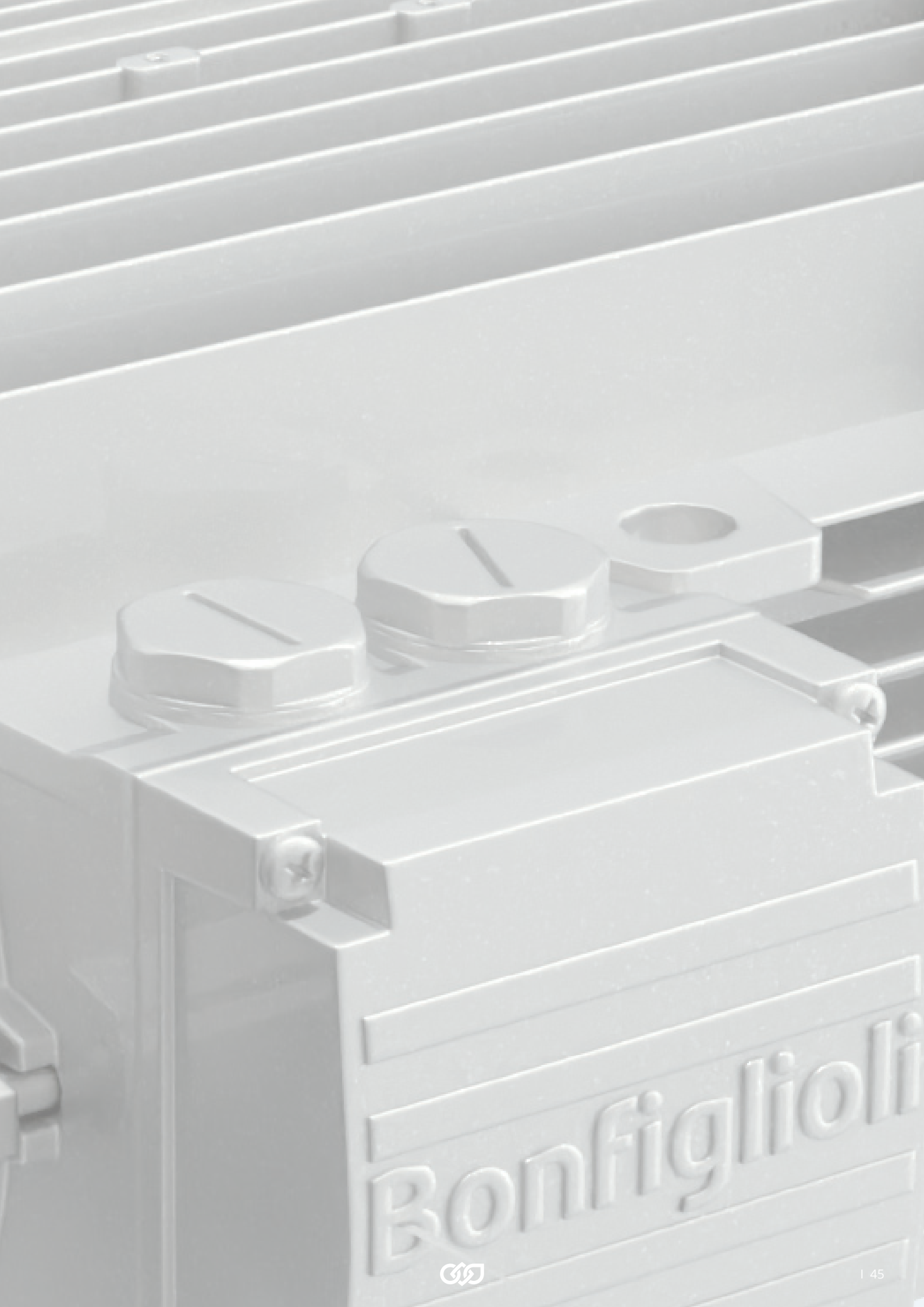
* Motors can also be supplied with surface protection class C5 according to UNI EN ISO 12944-2. Contact Bonfiglioli's technical service for further details.

ELECTRIC MOTORS

Bonfiglioli offers asynchronous and synchronous electric motors, in different sizes and powers, to suit any application.

GENERAL PURPOSE

Our standard general-purpose motors deliver reliable performance across a wide spectrum of industrial applications. They are built with quality materials and rigorously tested to minimize downtime, ensuring your operations run smoothly and efficiently.



Bonfiglioli

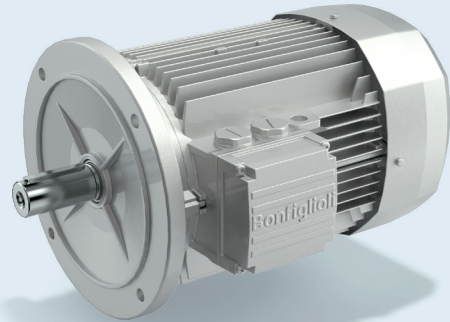


IE1

BN/M Series ⁽¹⁾

The Bonfiglioli BN/M series of cost-effective 3-phase asynchronous induction motors are perfect for general purpose industrial applications.

These aluminum-framed motors offer: Availability in 2, 4, 6 poles configuration in both IEC and compact version.



INDUCTION TECHNOLOGY























MAIN BENEFITS

- Minimized mounting space thanks to compact flanges
- Minimal maintenance required
- Easy and flexible installation
- Excellent performance for heavy-duty applications
- Many options available
- Several certifications available

TECHNICAL DATA

| Sizes | | | Power [kW] |
|---------|---------|---------|------------|
| 2 poles | 4 poles | 6 poles | |
| | 56A | | 0.06 |
| | 56B | 63A | 0.09 |
| | 63A | 63B | 0.12 |
| 63A | 63B | 71A | 0.18 |
| 63B | 63C | 71B | 0.25 |
| | 71A | | |
| 71A | 71B | 71C | 0.37 |
| | 80A | 80B | 0.55 |
| 71B | 71C | | |
| 71C | 80B | 80C | 0.75 |
| 80A | 80C | 90S | |
| 80B | 90S | 90L | 1.1 |
| 90SA | 90LA | 100LA | 1.5 |
| 90SB | 90LB | 100LB | 1.85 |
| 90L | 100LA | 112M | 2.2 |
| 100L | 100LB | 132S | 3 |
| 112M | 112M | 132MA | 4 |
| 132SA | 132S | 132MB | 5.5 |
| 132SB | 132MA | 160M | 7.5 |
| 132M | 132MB | | 9.2 |
| 160MR | 160MR | | |
| 160M | 160M | 160L | 11 |
| 160MB | 160L | 180L | 15 |
| 160L | 180M | 200LA | 18.5 |
| 180M | 180L | | 22 |
| 200LA | 200L | | 30 |

MAIN OPTIONS

| MAIN OPTIONS | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Design versions | | | | | | | Poles | | | Insulation class | IP protection | Shaft extension | Cooling | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| B3 | B14 | B5 | B34 | B35 | B5R | B14R | 2 | 4 | 6 | UP TO CL H | UP TO IP56 | SECOND SHAFT EXTENSION | FORCED VENTILATION | |
| Heaters | | Winding treatment | Corrosion protection | | Winding protection | | | Brake | | | Feedback | Guard | Service type | |
|  | |  |  | |  | | |  | | |  |  |  | |
| ANTI CONDENSATION HEATERS | | TROPICALIZATION | PAINTING CLASS UP TO C5 ⁽²⁾ | | THERMAL PROTECTIVE DEVICES | | | DC BRAKE RELEASE LEVER MICRO SWITCH | | | ENCODER | RAIN - TEXTILE GUARD | S2 S3 | |

(1) Starting July 1st, 2021, the Ecodesign Directive (EU) 2019/1781 introduces new binding energy efficiency requirements for induction motors. According to this regulation, BN/M motors are available for discontinuous duty only for powers equal and above 0.12kW.

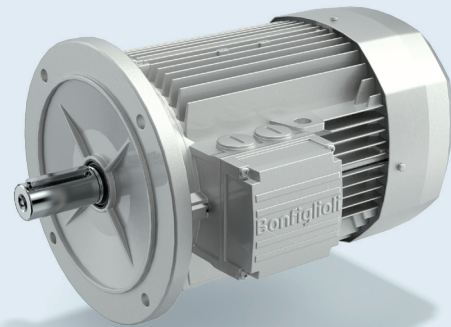
(2) Motors can be supplied with surface protection class C5 according to UNI EN ISO 12944-2. Contact Bonfiglioli's technical service for further details.

IE2

BE/ME Series ⁽¹⁾

The Bonfiglioli BE/ME series of cost-effective 3-phase asynchronous induction motors are perfect for general purpose industrial applications.

These aluminum-framed motors offer: Availability in 2, 4, 6 poles configuration in both IEC and compact version.



INDUCTION TECHNOLOGY

MAIN BENEFITS

- Minimized mounting space thanks to compact flanges
- Minimal maintenance required
- Easy and flexible installation
- Excellent performance for heavy-duty applications
- Many options available
- Several certifications available

TECHNICAL DATA

| Sizes | | | Power |
|---------|---------|---------|-------|
| 2 poles | 4 poles | 6 poles | [kW] |
| | 63A | | 0.12 |
| | 63B | | 0.18 |
| | 71A | | 0.25 |
| | 71B | | 0.37 |
| | 80A | | 0.55 |
| 80A | 80B | 90S | 0.75 |
| 80B | 90S | 100M | 1.1 |
| 90SA | 90LA | 100LA | 1.5 |
| 90L | 100LA | 112M | 2.2 |
| 100L | 100LB | 132S | 3 |
| 112M | 112M | 132MA | 4 |
| 132SA | 132S | 160MA | 5.5 |
| 132SB | 132MA | 160MB | 7.5 |
| 132MB | 132MB | | 9.2 |
| 160MA | 160M | | 11 |
| 160MB | 160L | | 15 |
| 160L | 180M | | 18.5 |
| | 180L | | 22 |

MAIN OPTIONS

| Design versions | | | | | | | | Poles | Insulation class | IP protection | Shaft extension | Cooling |
|---------------------------|-------------------|--|----------------------------|---------------|----------|----------------------|--|-------|------------------|---------------|------------------------|--------------------|
| | | | | | | | | | | | | |
| B3 | B14 | B5 | B34 | B35 | BSR | B14R | | 2 | 4 | 6 | SECOND SHAFT EXTENSION | FORCED VENTILATION |
| Heaters | Winding treatment | Corrosion protection | Winding protection | Brake | Feedback | Guard | | | | | | |
| | | | | | | | | | | | | |
| ANTI CONDENSATION HEATERS | TROPICALIZATION | PAINTING CLASS UP TO C5 ⁽²⁾ | THERMAL PROTECTIVE DEVICES | DC BRAKE | ENCODER | RAIN - TEXTILE GUARD | | | | | | |
| | | | | RELEASE LEVER | | | | | | | | |
| | | | | MICRO SWITCH | | | | | | | | |

(1) Starting July 1st, 2021, the Ecodesign Directive (EU) 2019/1781 introduces new binding energy efficiency requirements for induction motors. According to this regulation, BE/ME motors are available for discontinuous duty only for powers equal and above 0.75kW.

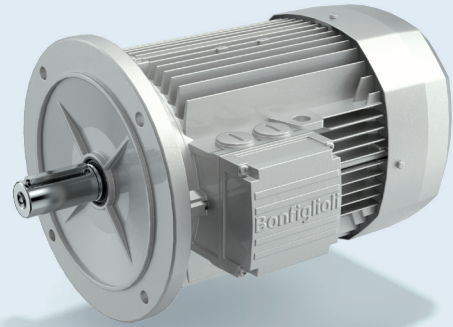
(2) Motors can be supplied with surface protection class C5 according to UNI EN ISO 12944-2. Contact Bonfiglioli's technical service for further details.

IE3

BX/MX Series ⁽¹⁾

The Bonfiglioli BX/MX series of cost-effective 3-phase asynchronous induction motors are perfect for general purpose industrial applications.

These aluminum-framed motors offer: Availability 4 poles configuration in both IEC and compact version.



INDUCTION TECHNOLOGY





















MAIN BENEFITS

- Minimized mounting space thanks to compact flanges
- Minimal maintenance required
- Easy and flexible installation
- Excellent performance for heavy-duty applications
- Many options available
- Several certifications available

TECHNICAL DATA

| Sizes | Power [kW] |
|----------------|------------|
| 4 poles | |
| 80B | 0.75 |
| 90S | 1.1 |
| 90LA | 1.5 |
| 100LA | 2.2 |
| 100LB | 3 |
| 112M | 4 |
| 132S | 5.5 |
| 132MA | 7.5 |
| 132MB | 9.2 |
| 160M | 11 |
| 160L | 15 |
| 180M | 18.5 |
| 180L | 22 |
| 200LAK | 30 |
| 225SAK | 37 |
| 225SBK | 45 |
| 250MAK | 55 |
| 280SAK | 75 |
| 280BSK | 90 |
| 315SAK | 110 |
| 315SBK | 132 |
| 315SCK | 160 |
| 315MAK | 200 |
| 355MAK | 250 |
| 355MBK | 315 |
| 355MCK | 355 |

MAIN OPTIONS

| Design versions | | | | | | | Insulation class | IP protection | Shaft extension | Cooling | Heaters |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |  |
| B3 | B14 | B5 | B34 | B35 | B5R | B14R | UP TO CL H | UP TO IP56 | SECOND SHAFT EXTENSION | FORCED VENTILATION | ANTI CONDENSATION HEATERS |
| Winding treatment | Corrosion protection | Winding protection | Brake | | | Feedback | Guard | | | | |
|  |  |  |  |  |  |  |  | | | | |
| TROPICALIZATION | PAINTING CLASS UP TO C5 ⁽²⁾ | THERMAL PROTECTIVE DEVICES | DC BRAKE | RELEASE LEVER | MICRO SWITCH | ENCODER | RAIN - TEXTILE GUARD | | | | |

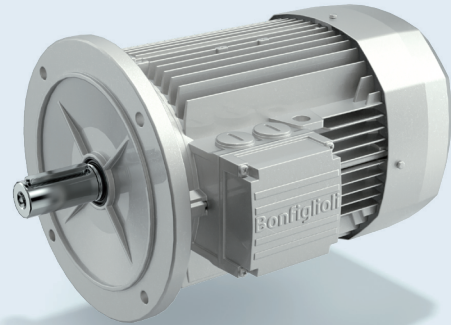
(1) Starting July 1st, 2023, the Ecodesign Directive (EU) 2019/1781 introduces new binding energy efficiency requirements for induction motors. According to this regulation, BX heavy duty motors without brake are available for discontinuous duty only in the power range from 75 to 200kW.

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

IE4

BY Series

The Bonfiglioli BY series from 75kW to 200kW are 3-phase asynchronous induction motors suitable for general purpose industrial applications. These cast iron-framed motors offer: Availability 4 poles configuration in IEC version.



INDUCTION TECHNOLOGY














MAIN BENEFITS

- High torque at low speeds
- Minimal maintenance required
- Easy and flexible installation
- Excellent performance for heavy-duty applications
- Long life and resistance to harsh operating conditions

TECHNICAL DATA

| Sizes | Power [kW] |
|---------|------------|
| 4 poles | |
| 280SAK | 75 |
| 280BSK | 90 |
| 315SAK | 110 |
| 315SBK | 132 |
| 315SCK | 160 |
| 315MAK | 200 |

MAIN OPTIONS

| Design versions | | | Insulation class | IP protection | Shaft extension | Cooling | |
|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  | |
| B3 | B5 | B35 | UP TO CL H | UP TO IP56 | SECOND SHAFT | FORCED VENTILATION | |
| Heaters | | | Winding treatment | Corrosion protection | Winding protection | Feedback | Guard |
|  | | |  |  |  |  |  |
| ANTI CONDENSATION HEATERS | | | TROPICALIZATION | PAINTING CLASS UP TO C5 ⁽¹⁾ | THERMAL PROTECTIVE DEVICES | HEAVY DUTY ENCODER | RAIN GUARD |

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

DRIVES

Bonfiglioli offers drives for precise and reliable control of electric motors.

CABINET DRIVES

Elevate your industrial automation with Bonfiglioli's cabinet drives, where power, flexibility and intelligent control converge. Our comprehensive range of inverters seamlessly integrates with your machinery, providing you with the flexibility and performance you need to achieve peak efficiency and productivity.

HIGH PERFORMANCE DRIVES

AxiaVert Series

Bonfiglioli AxiaVert (AXV) series is designed to allow great flexibility and top-level performance, making it suitable for a wide range of applications. Thanks to its modular system, the AxiaVert series offers integrated Functional Safety, optional encoder evaluation and open communication protocols complying with Industry 4.0 standards and an intuitive GUI for commissioning and monitoring. Whether in material working, logistics, automated storage, packaging or textiles, the drives of the AxiaVert series are optimized for numerous applications. The AxiaVert series offers integrated Functional Safety, organized into different variants, which can be selected to best suit the application's requirements, optimizing price and performance to match the machine functions.



MAIN BENEFITS

- Selectable Functional safety features (up to SIL 3 / PL e / CAT. 4)
- Wide power range
- Versatile Communication
- High mounting flexibility
- Wide range of Encoder supports for various systems
- Customizable logic functions with internal optional PLC (IEC61131)
- Integrated PID control system
- Various Control modes incl. Position, Speed or Torque Control & CiA402-compatible Motion Control
- Easy wiring with detachable signal and power terminals (up to 15 kW)
- Macro for EPLAN⁽¹⁾

INCLUDED FIELDBUS



CONTROLLED MOTOR TECHNOLOGY

(Sensorless or with feedback)



Asynchronous induction



Synchronous reluctance



Synchronous permanent magnets

MAIN VARIANTS

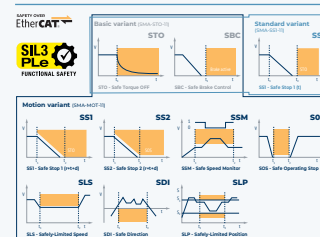
Mounting



Fieldbus



Functional Safety



UP TO SIL 3 / PL E / CAT. 4

Feedback evaluation (up to 2, e.g. for speed and position loop)



MAIN OPTIONS

Detachable interfaces



Screen plate



Power accessories



CERTIFICATIONS



TECHNICAL DATA

| Voltage | | Power |
|------------------------------|-----------------------------|----------------------------|
| [V] | | [kW] |
| 200-240 (1ph) ⁽¹⁾ | 0.25 - 3.0 in 3 frame sizes | |
| 200-240 (3ph) ⁽¹⁾ | 0.25 - 9.2 in 4 frame sizes | |
| 400/480 (3ph) | | 0.25 - 15 in 4 frame sizes |

(1) coming soon



DRIVES

ANG Series

Active Next Generation (ANG) is a motion control application inverter that can be used in servo applications and as a drive. The ANG Series offers a wide power range from 0.25 kW to 400 kW (with parallel connection of drives up to 1200 kW). It can control asynchronous and synchronous motors in open and closed loop operations. Field bus communication and encoder evaluation is always on board, making the Active Next Generation Series the perfect drive for motion control applications in closed loop control like packaging, textile machines, food & beverage, warehouse and material handling. For integration in functional safety environments, ANG offers STO functionality according to SIL 3 and PL e.



MAIN BENEFITS

- Functional Safety through STO (Safe Torque Off: SIL3/PLe)
- Wide power range
- Versatile Communication
- High mounting flexibility
- Wide range of Encoder support for various systems
- Customizable logic functions with internal VPLC
- Integrated PID control system
- Different Control modes incl. Position, Speed or Torque Control & CiA402-compatible Motion Control
- Easy wiring with detachable signal and power terminals (up to 4 kW)
- Macro for EPLAN

CONTROLLED MOTOR TECHNOLOGY

(Sensorless or with feedback)



Asynchronous induction



Synchronous permanent magnets

MAIN VARIANTS

Mounting



Fieldbus



Functional Safety



STO

Feedback evaluation

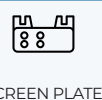


MAIN OPTIONS

Detachable interfaces



Screen plate



Power accessories



CERTIFICATIONS



TECHNICAL DATA

| Voltage | | Power |
|---------------|--|--|
| [V] | | [kW] |
| 200-240 (1ph) | 0.25 - 3.0 in 3 frame sizes | |
| 200-240 (3ph) | 0.25 - 9.2 in 4 frame sizes | |
| 400/480 (3ph) | 0.25 - 400 (...1200 with parallel connection) in 8 frame sizes | |
| 525 (3ph) | | 160 - 400 (...1200 with parallel connection) |
| 690 (3ph) | | 160 - 400 (...1200 with parallel connection) |

HIGH PERFORMANCE DRIVES

Active Cube Series

Active Cube (ACU) is the high-performance drive with a wide power range from 0.25 kW to 400 kW (with parallel drive connection up to 1200 kW). It can control asynchronous, synchronous and synchronous reluctance motors in open-loop and closed-loop operations. Several optional communication and expansion modules for I/O control and encoder evaluation make the ACU series ideal for a wide range of high-performance applications, such as warehouse and material handling, automatic storage systems, textile machines, packaging, food & beverage, motion control and hoist and crane applications. STO functionality according to SIL 3 and PL e offers easy integration into functional safety environments.



MAIN BENEFITS

- Functional Safety through STO (Safe Torque Off: SIL3/PLe)
- Wide power range
- Versatile Communication
- High mounting flexibility
- Wide range of Encoder support for various systems
- Possibility to customize logic with internal VPLC
- Integrated PID control system
- Different Control modes incl. Position, Speed or Torque Control & CiA402-compatible Motion Control
- Easy cable wiring with detachable signal and power terminals (up to 4 kW)
- Macro for EPLAN

CONTROLLED MOTOR TECHNOLOGY

(Sensorless or with feedback)



Asynchronous induction



Synchronous reluctance



Synchronous permanent magnets

MAIN VARIANTS

Mounting



Functional Safety



MAIN OPTIONS

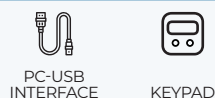
Fieldbus



Feedback evaluation & IOs



Detachable interfaces



Screen plate



Power accessories



CERTIFICATIONS



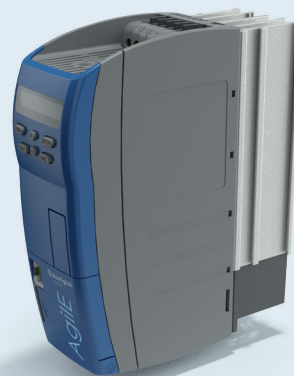
TECHNICAL DATA

| Voltage | | Power | |
|---------------|--|--|--|
| [V] | | [kW] | |
| 200-240 (1ph) | 0.25 - 3.0 in 3 frame sizes | | |
| 200-240 (3ph) | 0.25 - 9.2 in 4 frame sizes | | |
| 400/480 (3ph) | 0.25 - 400 (...1200 with parallel connection) in 8 frame sizes | | |
| 525 (3ph) | | 160 - 400 (...1200 with parallel connection) | |
| 690 (3ph) | | 160 - 400 (...1200 with parallel connection) | |

STANDARD DRIVES

Agile Series

The Agile (AGL) Series is a flexible compromise for standard applications, such as warehouse and material handling (for example: glass, wood, marble), textile machines, food & beverage, packaging, ceramic and hoists applications. The Agile Drive Series has three mechanical sizes for power ranges between 0.12 and 11 kW, with open-loop control for asynchronous and synchronous motors. For integration into functional safety environments, AGL offers STO functionality according to SIL 2 and PL d.



MAIN BENEFITS

- Enhanced safety through STO (Safe Torque Off: SIL2/PLd)
- Compact design for small spaces
- Versatile Communication
- Easy setup & diagnosis with integrated keypad
- High mounting flexibility
- Possibility to customize logic with internal VPLC
- Integrated PID control system
- Macro for EPLAN

INCLUDED FIELDBUS



CONTROLLED MOTOR TECHNOLOGY

(Sensorless)



Asynchronous induction



Synchronous permanent magnets

MAIN VARIANTS

Mounting



Functional Safety



MAIN OPTIONS

Fieldbus



Detachable interfaces



Screen plate



Power accessories



CERTIFICATIONS



TECHNICAL DATA

| Voltage | | Power |
|---------------|-----------------------------|----------------------------|
| [V] | | [kW] |
| 200-240 (1ph) | 0.12 - 3.0 in 2 frame sizes | |
| 200-240 (3ph) | 0.25 - 7.5 in 3 frame sizes | |
| 400/480 (3ph) | | 0.25 - 11 in 3 frame sizes |

BASIC FREQUENCY INVERTER

S2U Series

Our S2U frequency inverters are designed for simple handling applications and are quickly integrated into your machines. The S2U frequency inverter is available in two mechanical sizes ranging from 0.20 kW to 2.2 kW for 230 V single phase operations. S2U is already preset for corresponding open-loop controlled asynchronous motors. You can also adjust the basic behavior of the drive with a set of 30 parameters. S2U is our solution for compact and economic applications, such as pumps, fans and material handling including packaging and textile machines.



MAIN BENEFITS

- Very compact design for small cabinets
- Easy speed adjustment through integrated potentiometer
- Improved robustness due to fanless design
- Integrated PID control system
- Simple installation with integrated keypad with focus on essential parameters
- Advanced installation with extendable parameter setup
- Macro for EPLAN

INCLUDED FIELDBUS



CONTROLLED MOTOR TECHNOLOGY

(Sensorless)



Asynchronous induction

MAIN VARIANTS

Mounting



STANDARD
WALL

MAIN OPTIONS

DIN rail mounting



DIN RAIL

Detachable interfaces



PC-USB
INTERFACE

CERTIFICATIONS



TECHNICAL DATA

| Voltage | Power |
|---------------|----------------------------|
| [V] | [kW] |
| 200-240 (1ph) | 0.2 - 2.2 in 2 frame sizes |

BASIC FREQUENCY INVERTER

S2U IP66 Series

The S2U IP66 frequency inverter series is available in three mechanical sizes, ranging from 0.40 kW to 18.5 kW. S2U is already preset for corresponding open-loop controlled asynchronous motors. S2U IP66 is our compact, robust and economic solution for applications operating in harsh environments, such as pumps, fans and conveyor belts. S2U IP66 frequency inverter, with a simple change of the advanced parameter settings, is also suitable for packaging, textiles, material processing, woodworking and food & beverage applications. The heat sink function is specifically designed for extreme environmental conditions such as dust, humidity and cleaning chemicals.



MAIN BENEFITS

- Robust design for IP66 environments as nearby frequency inverter
- Integrated mains switch for easy installation and switch off
- Easy speed adjustment through the integrated potentiometer
- Improved robustness due to fanless design
- Integrated PID control system
- Advanced installation support with integrated keypad with extendable parameter setup
- Possibility to customize the logic with an internal ladder PLC

MAIN VARIANTS

Mounting



STANDARD
WALL

IP protection



UP TO IP66

MAIN OPTIONS

Detachable interfaces



PC-USB
INTERFACE

CERTIFICATIONS



INCLUDED FIELD BUS



CONTROLLED MOTOR TECHNOLOGY (Sensorless)



Asynchronous induction

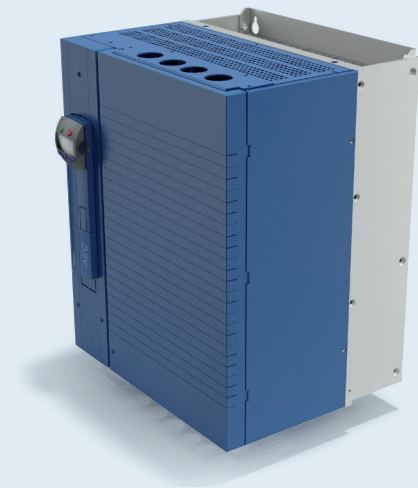
TECHNICAL DATA

| Voltage | | Power |
|---------------|----------------------------|------------------------------|
| [V] | | [kW] |
| 200-240 (1ph) | 0.2 - 2.2 in 2 frame sizes | |
| 400/480 (3ph) | | 0.75 - 18.5 in 4 frame sizes |

ACTIVE REGENERATIVE SYSTEM

AEC Series

Decades of experience in electronic industrial drives and renewable energy have enabled Bonfiglioli to offer an effective solution for recovering braking energy. This solution comes as the new Active Regenerative System inverters (AEC). In a large number of electrically controlled industrial applications, inertia in moving mechanisms can drive electric motors to act as brakes. They convert kinetic energy into electrical energy. In regenerative processes, this energy is returned to the grid.



MAIN BENEFITS

- Energy saving to recover braking or kinetic energy (e.g. hoists)
- Less heat dissipation when feeding to the mains instead of into a brake resistor
- Stabilizes the grid quality through the mains front end feed-in architecture
- Compatibility with Bonfiglioli ACU & ANG drives
- Adjustable Power factor
- Adjustable DC link voltage

MAIN VARIANTS

Mounting



MAIN OPTIONS

Fieldbus



IOs



ADD. I/Os

Detachable interfaces



Screen plate



SCREEN PLATE

Power accessories



SINUS FILTERS



LINE CHOKES



EMC FILTERS

FEED-IN CONTROLS



Block feed current control



Sinusoidal feed current control

CERTIFICATIONS



TECHNICAL DATA

| Voltage | Power |
|----------------|-------------------------------------|
| [V] | [kW] |
| 320..440 (3ph) | 9.7 - 173.2 kVA in frame sizes 3..7 |

DRIVES

Bonfiglioli offers drives for precise and reliable control of electric motors.

DECENTRALIZED DRIVES

Embrace the future of industrial automation with Bonfiglioli onboard inverters, where compact power, unparalleled flexibility and intelligent control converge. These innovative inverters mount directly onto your motors, providing a space-saving, cost-effective solution that allows you to achieve peak performance in even the most challenging environments.



Bonfiglioli

ONBOARD DRIVES

DGM Series

Bonfiglioli DGM decentralized inverters are suitable for induction asynchronous motors. They have been designed exclusively for industrial or professional use and can be supplied as a complete solution or separately, for wall assembly.

Design and installation are faster compared to inverters installed in electrical cabinets since it is possible to avoid long cables, spend less time on electrical wiring activities and reduce the cabinet dimensions.

Thanks to its robust and vibration-resistant housing concept and various features and options, our high-level performance solution is perfect for pumps and ventilation.



MAIN BENEFITS

- Reduced overall system complexity and wiring
- Enhanced safety through STO (SIL3/PLe)
- Versatile Communication thanks to various fieldbuses
- Possibility to customize the logic directly in the inverter's internal PLC
- Thermal protection included
- Integrated PID control system

MAIN VARIANTS

Fieldbus



Frequency regulation



POTENTIOMETER

IP protection



UP TO IP65

Functional safety



STO

Mounting



ONBOARD



WALL

Digital and Analogue I/O



UP TO 4 DI + 2 DO + 2AI + 1AO

MMI



HANDHELD CONTROLLER

Brake rectifier



RECTIFIER

INCLUDED FIELDBUS



CONTROLLED MOTOR TECHNOLOGY



Asynchronous motors

CERTIFICATIONS



TECHNICAL DATA

| Series | Sizes | Power |
|--------|-------|------------|
| | | [kW] |
| DGM1 | A | 0.37 - 1.1 |
| | A | 0.55 - 1.5 |
| DGM3 | B | 2.2 - 4.0 |
| | C | 5.5 - 7.5 |
| | D | 11 - 22 |

ONBOARD DRIVES

DGM Modular Series

Bonfiglioli DGM Modular decentralized inverters are suitable for both induction Asynchronous, Permanent magnet synchronous and reluctance synchronous motor control. They have been designed exclusively for industrial or professional use and can be supplied as a complete decentralized solution or separately, for wall assembly. Design and installation are faster compared to cabinet inverters since it is possible to avoid long cables, spend less time on electrical wiring activities and reduce the cabinet dimensions.

Thanks to its robust and vibration-resistant housing concept and various features and options, our high-level performance solution is perfect for Packaging, Logistics, Material handling, Food&Beverage, Material working, and Pumps sectors.



MAIN BENEFITS

- Reduced overall system complexity and cabling
- Enhanced safety through STO (SIL2/PLd)
- Versatile Communication thanks to various fieldbuses
- Sensorless vector control with no need of feedback
- Possibility to customize the logic directly in the inverter's internal PLC
- Possibility to control different motor technologies
- Thermal protection

INCLUDED FIELDBUS



CONTROLLED MOTOR TECHNOLOGY



Asynchronous motors



Synchronous reluctance motors



Permanent magnets motors

MAIN VARIANTS

Fieldbus*



ETHERCAT



PROFINET



SERCOS



ETHERNET/IP

MMI



HANDHELD CONTROLLER



INTEGRATED MMI

Power grid connectors



HARTING



QUICKON

IP protection



UP TO IP65

Frequency regulation



POTENTIOMETER

Main switch



MAIN SWITCH

Functional safety



STO

Mounting



ONBOARD



WALL

Digital I/O



UP TO 3 DI + 1 DO

Brake rectifier



RECTIFIER

CERTIFICATIONS



TECHNICAL DATA

| Sizes | | Power | |
|-------|------------|-----------|----------|
| | | [kW] | |
| A | 0.55 - 2.2 | | |
| B | | 2.2 - 5.5 | |
| C | | | 5.5 - 11 |
| D | | | 11 - 30 |

* Fieldbus all available as option on top of already included ones.



DIGITAL ENGINEERING TOOLS

Thanks to a powerful set of software tools and online platforms, developed through partnerships with the main market leaders, Bonfiglioli enables its customers to engineer tailored applications in a smooth and productive way: the components' selection and sizing, as well as the design of the whole motion drive train, are made simpler and more reliable.

Always up-to-date technical data allows for accurate and optimized components' combinations, ensuring the best cost, performance and energy-efficiency trade-off in motion drive train design.

In addition, thanks to its in-depth knowledge on industrial solutions, Bonfiglioli engineering team is in any case available to assist customers in their own selection and design processes, providing high quality technical support for specific applications' developments.



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The Artificial Intelligence
attaining Compound Annual
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AI is being used today to enable collaborative ro
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and optimizing equipment and plant effectiveness
potential use cases for AI in manufacturing. The
the most invested in by the global venture capita
that originate from AI, called cognitive technologi
computer vision, natural language processing, se
optimization, cloud-based systems, and planning
machine learning refers to the ability of comput
exposure to data, without the need to follow exp

Much as the computing industry progressed from
to a PC to a mobile stage, with cloud storage makin
improvements in computing power while shrinkin
could be headed for the same trajectory. What the
soon when each of us could have teams of person
us around in our daily lives, doing everything from
our toilets to cleaning our arteries, and communic
each other as part of swarm intelligence

EPLAN



ENHANCE YOUR ELECTRICAL DESIGN

Intense competition is putting pressure on machine builders and system integrators to deliver machines with higher throughput and reduced operating cost in shorter timeframes, leading to a significant increase in the complexity of the machine design process.

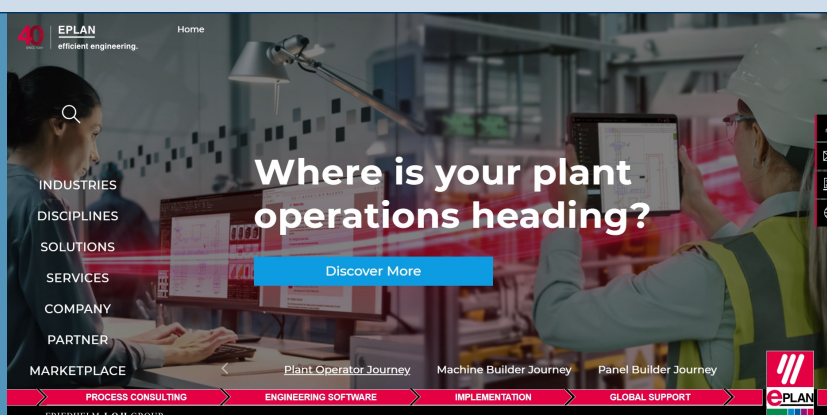
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|---|---|---|---|---|---|
|  |  |  |  |  |  |
| DOCUMENTS | MULTILANGUAGE SUPPORT | COMMERCIAL DATA | LOGIC DATA | 2D/3D DATA | PRODUCTION DATA |

SYSTEM DESIGN CHALLENGE

Bonfiglioli and EPLAN work together to provide efficient engineering solutions, aimed at reducing the gap between the initial concept and its development, programming and commissioning.

- **Better quality of documentation:** the EPLAN Data Portal provides users with up-to-date device data from numerous component manufacturers, saving time for manual data collection and minimizing the risks of faulty data.
- **Shorter system design times:** by including macro-information, function templates, production data and drawings, EPLAN allows users to drag and drop Bonfiglioli drawing templates into their own electrical drawings, reducing the time needed for cabinet planning.

BONFIGLIOLI PRODUCTS AVAILABLE ON EPLAN DATA PORTAL



ACTIVE NEXT
GENERATION SERIES



ACTIVE CUBE
SERIES



AGILE
SERIES



AXIAVERT
SERIES

SMART SIZER



COMPLETE SIZING FOR DRIVE AND TRANSMISSION SOLUTIONS

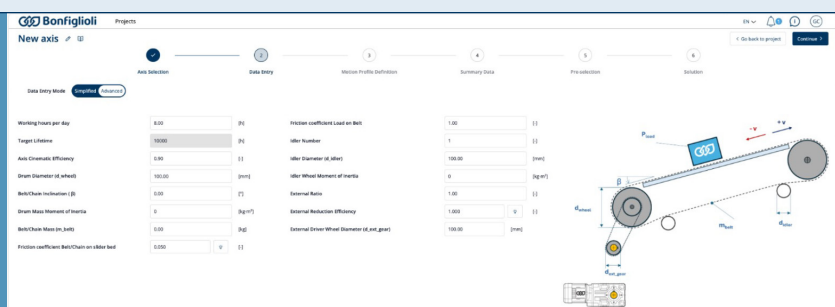
Smart Sizer is a software tool that supports customers in sizing **fully integrated multi-axis servo systems**, including motors, gear units and servo drives, for up to 50 axes in either shared or independent configurations.



INTUITIVE MECHATRONIC SIZING TOOL FOR CUSTOMERS AND CAE ENGINEERS

With Smart Sizer, customers can select, size and design their own customised, high-performance applications. In addition, the Bonfiglioli engineering team, drawing on its in-depth product expertise, uses Smart Sizer to provide a high-quality customer support service, developing optimised, energy-efficient and tailored engineering solutions to meet individual requirements.

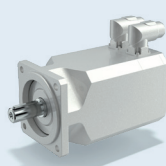
BONFIGLIOLI PRODUCTS AVAILABLE ON SMART SIZER



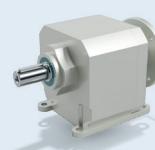
DRIVES SERIES



ASYNCHRONOUS MOTORS SERIES



SYNCHRONOUS MOTORS SERIES



INDUSTRIAL GEAR UNITS SERIES



PRECISION PLANETARY GEAR UNITS SERIES

SOFTWARE FOR ORDERING AND SELECTION

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



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

Bonfiglioli shop guides customers, distributors and agents through the process of selecting the right product for their specific needs and also gives support for design activities and order management. The system greatly accelerates the product selection and ordering process and also guarantees improved security and accuracy.

Thanks to web-based technology, customers can stay connected with Bonfiglioli's technical service 24 hours a day, 365 days a year, from anywhere around the world. Registered customers have access to constantly updated technical specifications and drawings, specifically created for the exact product designation they need. This service provides users with on-line assistance to support them with:

- Configuring Bonfiglioli products
- Downloading technical datas/drawings in 3D and 2D
- Benefiting from Bonfiglioli's help during product selection



ALWAYS BY OUR CUSTOMER'S SIDE, ALL OVER THE WORLD

Our worldwide reach always puts us where our customers need us. We believe that a deep understanding of application requirements — both technical and environmental — make the difference in providing the right products and services in a timely manner.

We provide assistance throughout the product life cycle, from selection to after-sales.



LEAN
MANUFACTURING



INDUSTRY
4.0



FAST DELIVERY
TIMES



WORLDWIDE
PRESENCE

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 employees pay the utmost attention to even the smallest details, to ensure that our customers receive products and services with unrivalled quality.



OUR GLOBAL PRESENCE

Thanks to an international network of closely interconnected commercial and production sites, we can guarantee the same high standards of Bonfiglioli quality anywhere at any given time. We know that our direct presence in local markets is the key to long-lasting success, so our family includes 17 production sites, 23 commercial sites and more than 550 distributors around the world.

Our organization is always close by, offering complete and efficient solutions and supporting our customers with dedicated services, co-engineering and after-sales assistance.



17
PRODUCTION SITES



23
COMMERCIAL SITES



80
COUNTRIES



550
DISTRIBUTORS



~5,000
PEOPLE

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

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