

Solutions for

CONSTRUCTION INDUSTRY

 **Bonfiglioli**



CONTENTS

Solutions for

| | |
|------------------------------------|-----------|
| CONSTRUCTION | 5 |
| EARTH MOVING MACHINES | 6 |
| Mini-excavators..... | 8 |
| Compact track loaders..... | 11 |
| Excavators..... | 12 |
| BUILDING CONSTRUCTION | 14 |
| Building cranes..... | 16 |
| Rough terrain cranes..... | 20 |
| Truck-mounted cranes..... | 22 |
| Crawler cranes..... | 24 |
| Drilling machines..... | 28 |
| Crushers & screeners..... | 32 |
| CONCRETE PROCESSES | 34 |
| Concrete mixers..... | 36 |
| Asphalt mixers..... | 37 |
| Truck-mounted concrete pumps..... | 38 |
| Transit mixer trucks..... | 39 |
| ROAD MACHINERY | 40 |
| Pavers..... | 42 |
| Road reclaimers..... | 46 |
| Soil compactors..... | 47 |
| Graders..... | 48 |
| Pneumatic tired rollers..... | 49 |
| Tandem vibratory rollers..... | 50 |
| Cold milling machines..... | 52 |
| OUR GLOBAL PRESENCE | 54 |

Engineering Solutions



WWW.BONFIGLIOLI.COM

CONSTRUCTION

THE WIDEST RANGE OF SOLUTIONS FOR THE CONSTRUCTION INDUSTRY

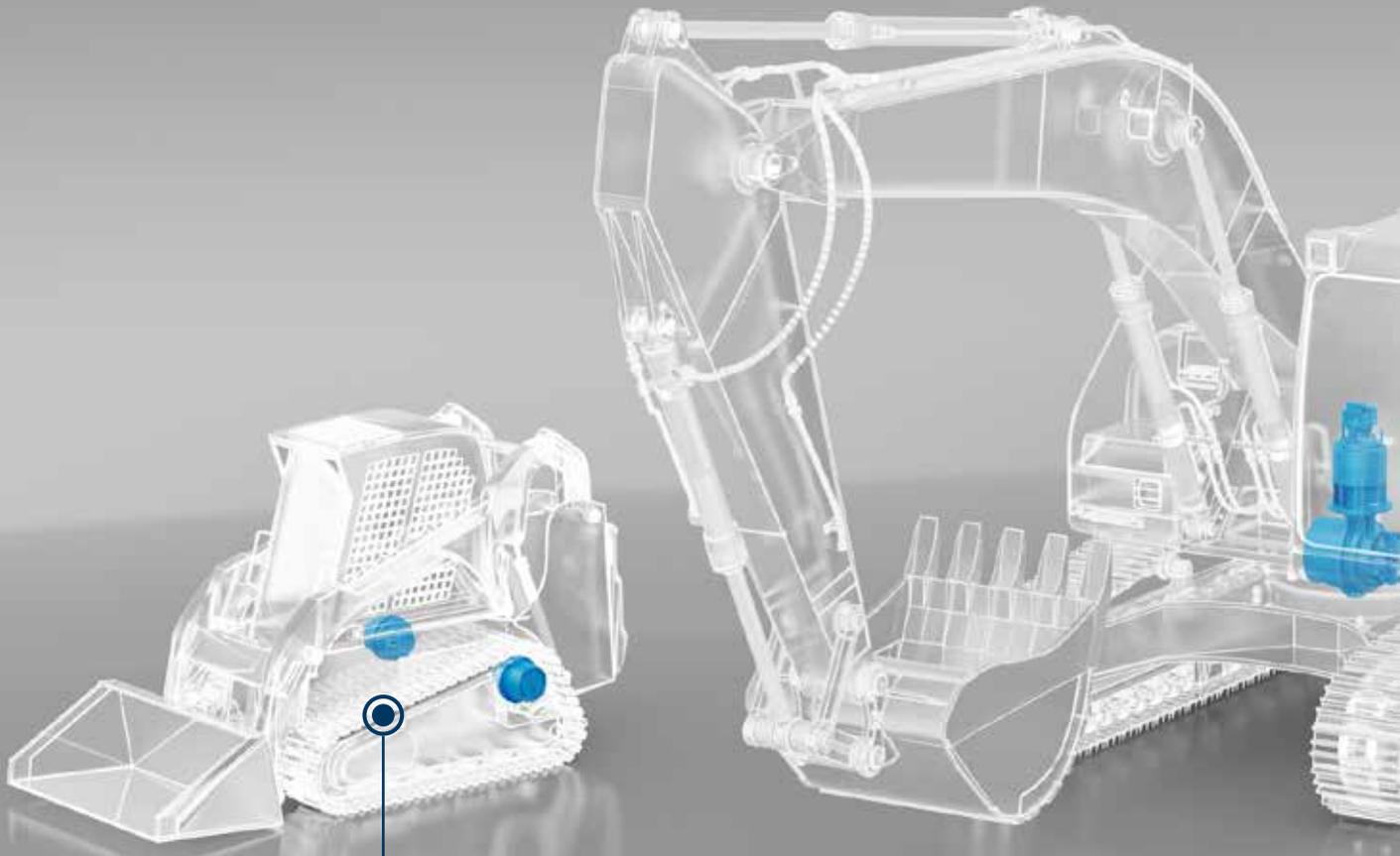
We have been enhancing construction equipment performance, efficiency, productivity and reliability for over 40 years. With experience working with the major players worldwide, our team of experts creates, designs and produces advanced technological solutions for a wide range of applications, including road construction equipment and excavators. Our range of products, including track drives, slew drives and winch drives, are perfectly tailored to meet a wide variety of drive specifications, making us global leader in this industry.

Bonfiglioli's wide, diversified product ranges, fully meet the specifications of the various OEMs. Our drives and geared motors perfectly adapt to hydraulic, hybrid and electric machine needs. With a range of solutions suitable for machines weighing anywhere from 1 to 1,000 tons, we meet today's market needs. All the hydraulic/electric and mechanical functions are incorporated into a single unit that assures high reliability, excellent performance and smooth operation; moreover, due to its compact dimensions, it is very easy and economical to install in machines.

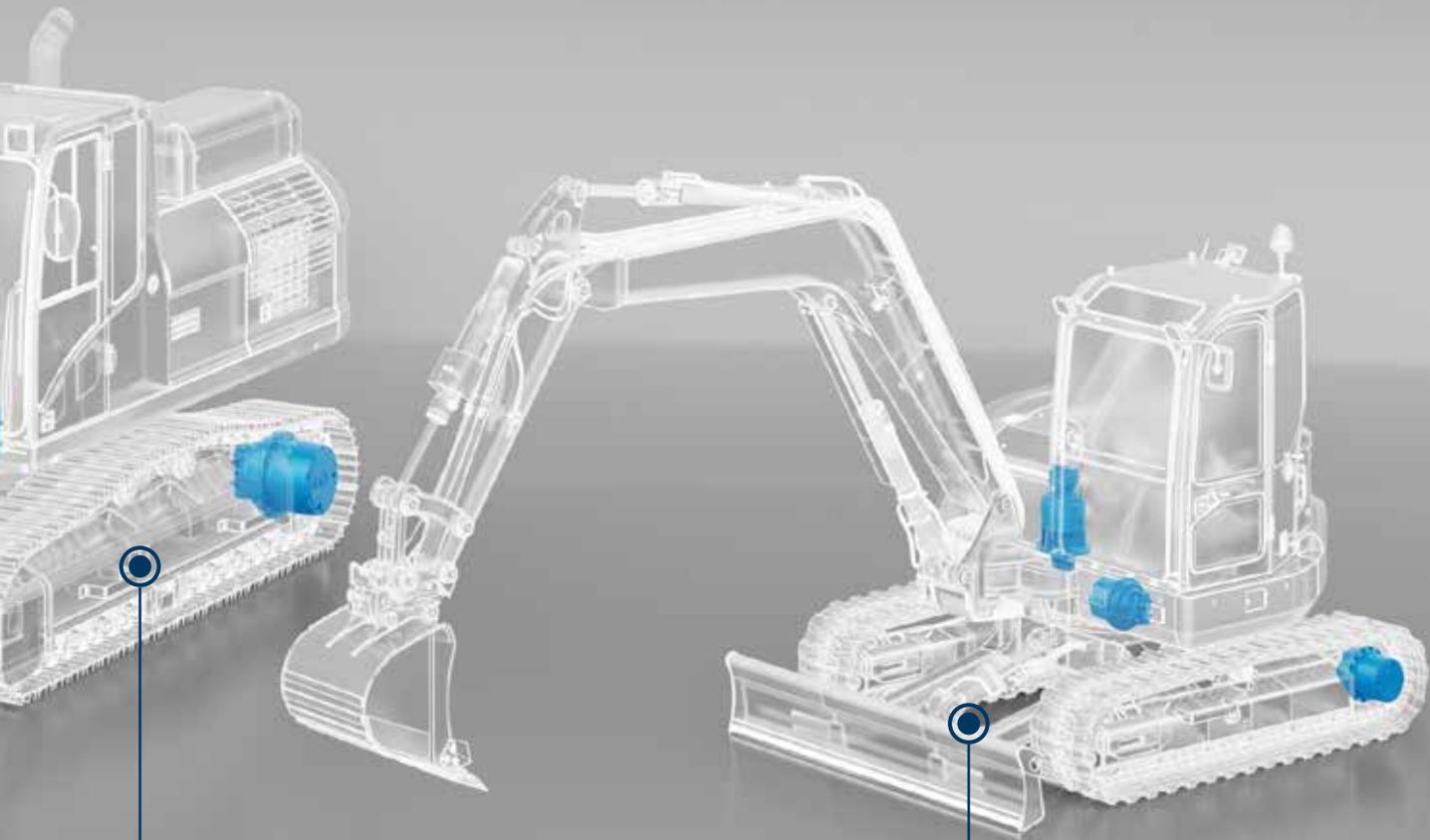
We are able to satisfy all application requirements for road construction and maintenance machinery, including milling machines, road compactors in all versions and road pavers. Each machine has its own specific structural and duty characteristics, which Bonfiglioli is well aware of, having over 40 years of experience in the industry, working in close partnership with leading manufacturers on the market.

The wide range of customized solutions and extensive expertise in the industry make Bonfiglioli the ideal partner.





2 COMPACT TRACK LOADERS



3 EXCAVATORS

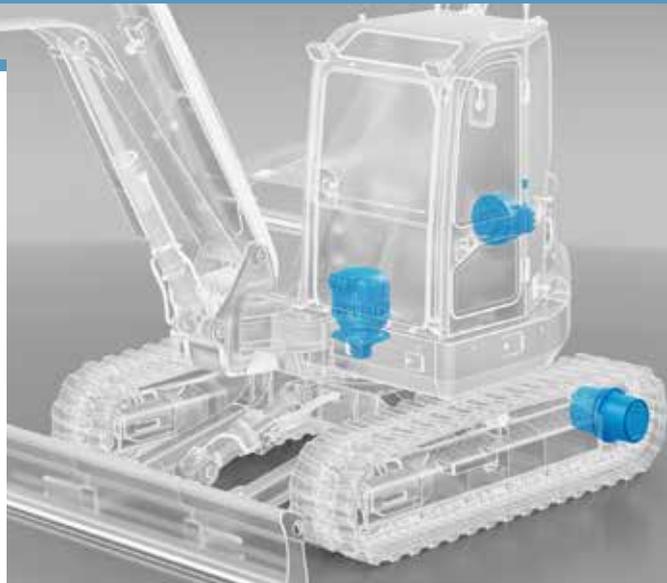
1 MINI-EXCAVATORS

1

MINI-EXCAVATORS

Track, slew and pump drives

With a reliable series of products for 1 to 6 ton mini-excavators, Bonfiglioli gives machine builders the best possible choice of drive system. High performance, including high torque in a compact space, is one of our portfolio's key benefits. These solutions allow for smooth machine operation. In addition to traditional hydraulic products, the new electric solutions have been introduced following Bonfiglioli's electrification path.



700CE Series

Track Drives



700TE Series

Slew Drives



PM MOTOR Series

Pump Drives



BENEFITS

- Compact
- High performance
- High torque in a limited space
- Reduced TCO
- Easy maintenance
- Low noise
- No polluting emissions

FEATURES

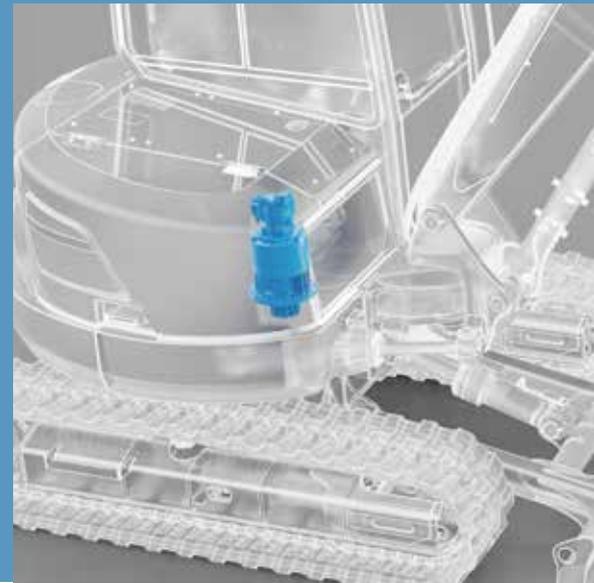
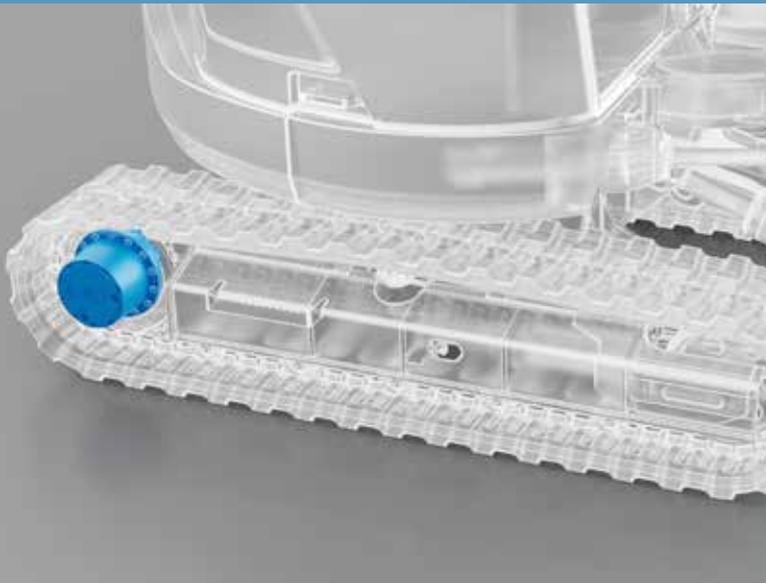
- Shorter axial length thanks to PM e-motor
- Fully integrated design
- Integrated electromagnetic parking brake
- Integrated speed and temperature sensors
- High protection rating
- Fully integrated design
- Integrated electromagnetic brake
- Integrated speed and temperature sensors
- High protection rating
- Permanent magnet motors
- Suitable for 48-96 Vdc batteries
- Air-cooled
- Aluminum housing
- Protection rating >IP65
- SAE flanges available

TECHNICAL DATA

| Torque (Nm) | |
|-------------|-------|
| 700 CE | 1,200 |
| 700-2 CE | 1,900 |
| 701 CE | 2,500 |
| 702 CE | 3,500 |
| 704 CE | 5,000 |
| 705 CE | 9,000 |

| Torque (Nm) | |
|-------------|-------|
| 700 TE | 750 |
| 701 TE | 1,200 |
| 703 TE | 2,500 |
| 705 TE | 5,000 |

| Power (kW) | |
|------------|-----|
| BPM 200-L1 | 4 |
| BPM 200-L2 | 7.5 |
| BPM 200-L3 | 10 |
| BPM 200-L4 | 15 |



700CK Series

Track Drives



700CP Series

Track Drives



700TK Series

Slew Drives



BENEFITS

- Compact, lightweight design
- Range of torques
- Motor-gearbox integrated solution

- Compact, lightweight design
- Motor-gearbox integrated solution

FEATURES

- Integrated motor-gearbox powered by hydraulic motor developed with Kayaba
- Rotating housing
- Pressure relief valve (shockless type) on request
- Anti-cavitation valve on request
- Multiple ratios
- Integrated disc-brake

- Integrated motor-gearbox powered by hydraulic motor developed with Poclairn
- Rotating housing
- Pressure relief valve (shockless type) on request
- Anti-cavitation valve on request
- Multiple ratios
- Integrated disc-brake

- Flange mounted
- Output shaft: splined or with integral pinion
- Anti swing-back valve on request
- Integrated disc-brake
- Multiple ratios

TECHNICAL DATA

| | Torque (Nm) |
|-----------|-------------|
| 700 C2 K | 1.200 |
| 700-2C2 K | 1.900 |
| 701 C2 K | 2.500 |
| 702 C2 K | 3.500 |
| 704 C2 K | 5.000 |

| | Torque (Nm) |
|-----------|-------------|
| 700 C2 P | 1.200 |
| 700-2C2 P | 1.900 |
| 701 C2 P | 2.500 |
| 702 C2 P | 3.500 |
| 704 C2 P | 5.000 |

| | Torque (Nm) |
|----------|-------------|
| 700 T1 K | 750 |
| 701 T2 K | 1.200 |
| 703 T2 K | 2.000 |

2

COMPACT TRACK LOADERS

Track drives

With a reliable series of products for compact track loaders, Bonfiglioli gives OEMs the best possible choice of drive systems. High performance, including high torque in a compact space, is one of our portfolio's key benefits. These solutions allow smooth machine operation.

Electric drive system

Bonfiglioli's electric version of the track drive combines the validated gearbox design with a liquid-cooled permanent magnet motor, offering a compact package that equals and indeed exceeds the propulsion and thrust performances of conventional machines, because power and torque are immediately available to the electric motor at every operating speed.

Additionally, as the track gearboxes are electrically driven, the machine can work in sensitive areas where emissions and noise are a concern, even on night shifts. Lastly, electric motors are virtually maintenance-free, allowing for longer maintenance intervals.



700CT Series

Track Drives



HYDRAULIC SOLUTIONS

- Compact, lightweight design
- Range of torques
- Motor-gearbox integrated solution



700CTE Series

Track Drives



ELECTRIC SOLUTIONS

- Able to work in sensitive areas without emissions
- Machine works with no noise and less vibration
- Increased productivity
- Less maintenance
- Maneuverability
- Compact design

BENEFITS

FEATURES

- Integrated motor-gearbox powered by hydraulic motor developed with Danfoss
- Rotating housing
- Pressure relief valve (shockless type) on request
- Anti-cavitation valve on request
- Multiple ratios
- Integrated disc-brake

- Multistage planetary gearbox
- Rotating housing output
- Validated in the field
- Integrated parking brake
- Specific heavy-duty seals

- Permanent magnet motors
- Suitable for 400 - 700Vdc batteries
- Liquid-cooled
- Protection rating >IP67
- Rated power up to 30 kW

TECHNICAL DATA

| | Torque (Nm) |
|--------|-------------|
| 702 CT | 3.500 |
| 704 CT | 5.000 |
| 705 CT | 12.000 |
| 706 CT | 12.500 |

| | Torque (Nm) |
|---------|-------------|
| 704 CTE | 5,000 |
| 705 CTE | 12,500 |

| | Rated power (kW) |
|------------|------------------|
| BPM 240-L2 | 35 |





3

EXCAVATORS

Track drives

High performance, including high torque in a compact space, is one of our portfolio's key benefits. These solutions allow smooth machine operation.

Slew drives

Compact and efficient, Bonfiglioli slew drives for 7 to 150 tons excavators ensure the best possible machine efficiency and easy maintenance



700CK Series

Track Drives



- Compact, lightweight design
- Range of torques
- Motor-gearbox integrated solution

BENEFITS

- Integrated motor-gearbox powered by hydraulic motor developed with Kayaba
- Rotating housing
- Pressure relief valve (shockless type) on request
- Anti-cavitation valve on request
- Multiple ratios
- Integrated disc-brake

FEATURES

TECHNICAL DATA

Torque (Nm)

| | | | |
|----------|--------|----------|---------|
| 705 C2 K | 9.000 | 713 C2 K | 45.000 |
| 706 C3 K | 18.000 | 713 C3 K | 60.000 |
| 707 C3 K | 26.000 | 715 C3 K | 85.000 |
| 709 C3 K | 30.000 | 716 C3 K | 100.000 |
| 710 C3 K | 36.000 | 718 C3 K | 180.000 |
| 710 C2 K | 40.000 | 720 C3 K | 220.000 |



F Series

Track Drives

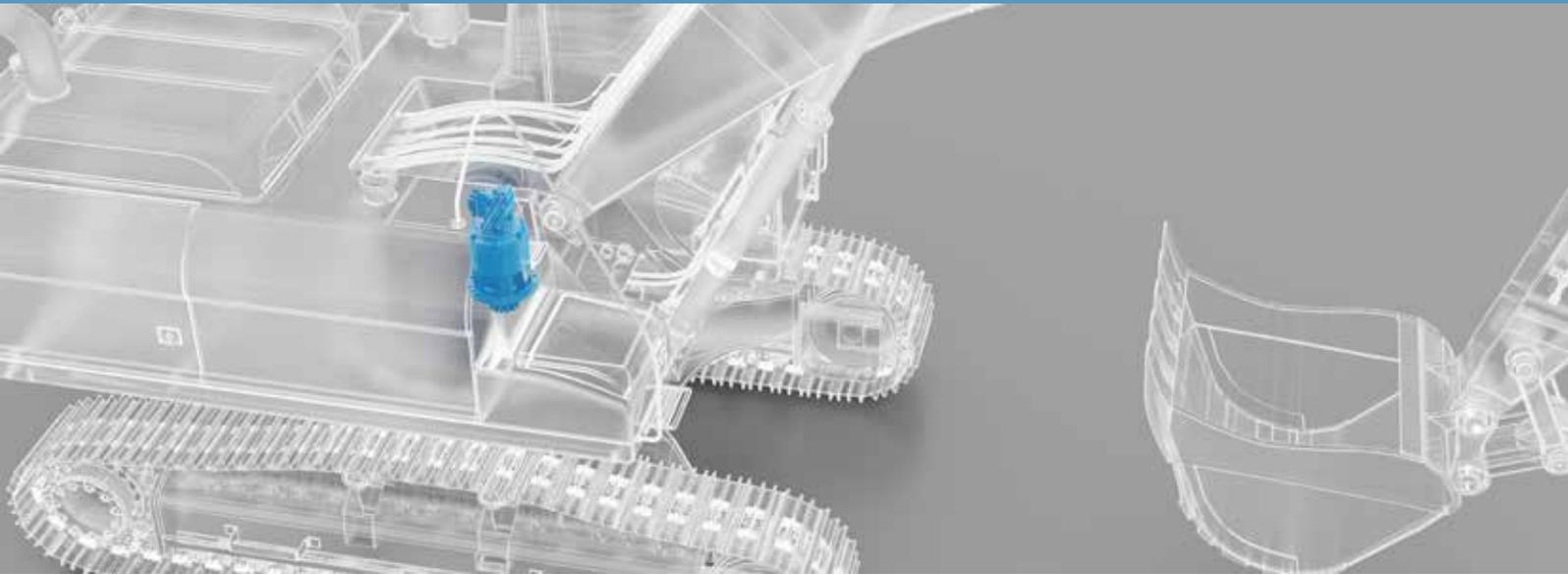


- Rugged design
- High torque & load capacity
- Integrated hydraulic motor on request

- Rotating housing
- Lifelong mechanical seals on request
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Multiple ratios
- Integrated disc-brake

Torque (Nm)

| | | | |
|------|---------|-------|-----------|
| F130 | 130.000 | F620 | 620.000 |
| F180 | 180.000 | F800 | 800.000 |
| F220 | 220.000 | F1100 | 1,100,000 |
| F260 | 260.000 | F1300 | 1,300,000 |
| F280 | 280.000 | F1800 | 1,800,000 |
| F340 | 340.000 | F2000 | 2,000,000 |
| F360 | 360.000 | F2200 | 2,200,000 |
| F420 | 420.000 | F3000 | 3,000,000 |



700T & 700TK Series

Sleew Drives



- Wide torque range
- Complete motor-gearbox available on request

BENEFITS

- Flange mounted
- Output shaft: splined or with integral pinion
- Integrated disc-brake
- Fitting for hydraulic and electric motors

FEATURES



S Series

Sleew Drives



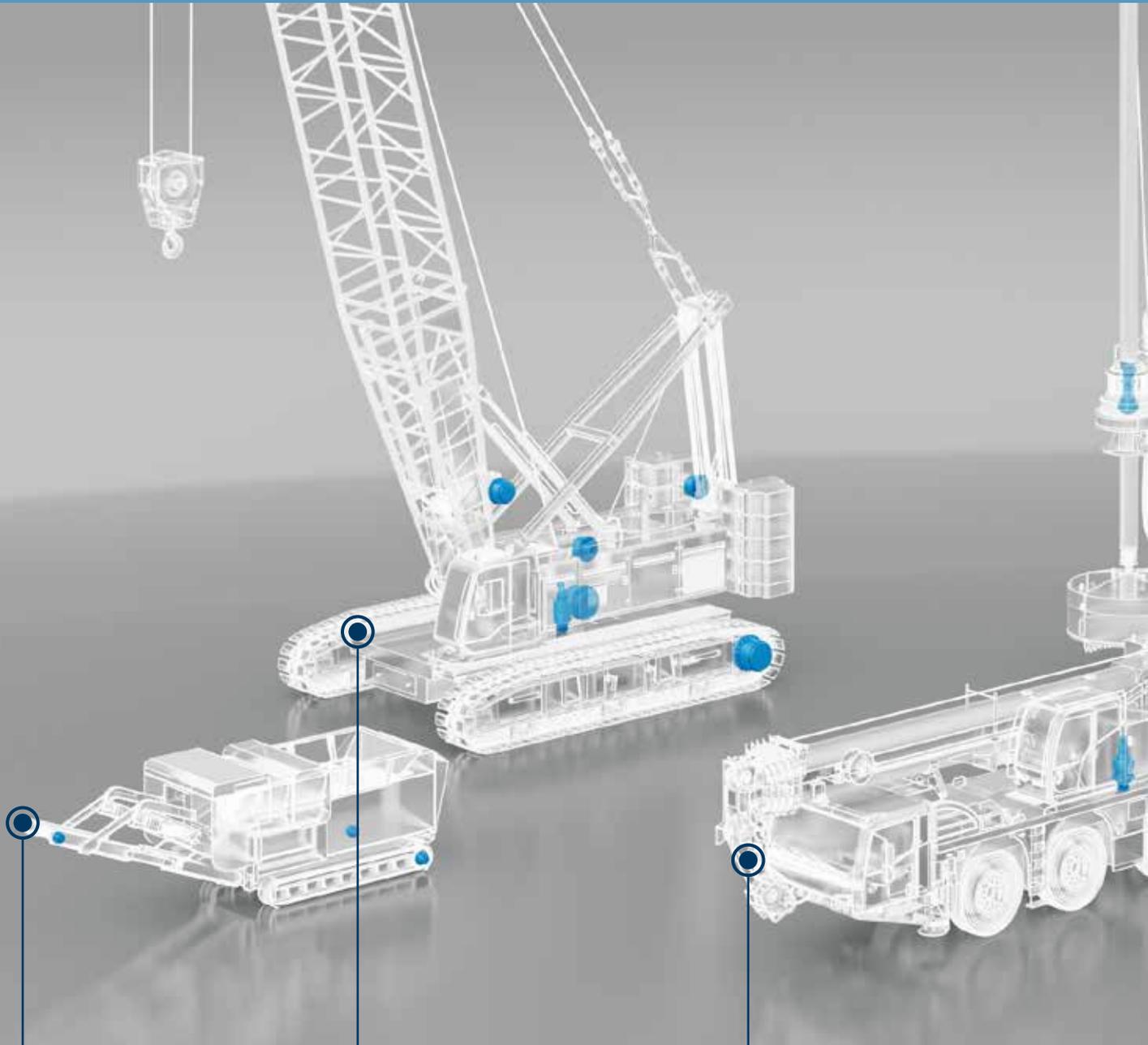
- Compact structure
- High performance

- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake

TECHNICAL DATA

| Torque (Nm) | | Torque (Nm) | |
|-------------|--------|-------------|--------|
| 703 T | 2.500 | 703 T2 K | 2.000 |
| 704 T | 3.600 | 703 T2 K | 2.500 |
| 705 T | 5.000 | 705 T2 K | 5.000 |
| 706 T | 7.500 | 706 T2 K | 7.500 |
| 707 T | 9.000 | 707 T2 F | 9.000 |
| 709 T | 12.000 | 709 T2 F | 11.000 |
| 710 T | 18.000 | 710 T2 F | 15.000 |
| 711 T | 20.000 | 711 T2 F | 24.000 |
| 712 T | 30.000 | 713 T2 F | 30.000 |
| 714 T | 50.000 | | |

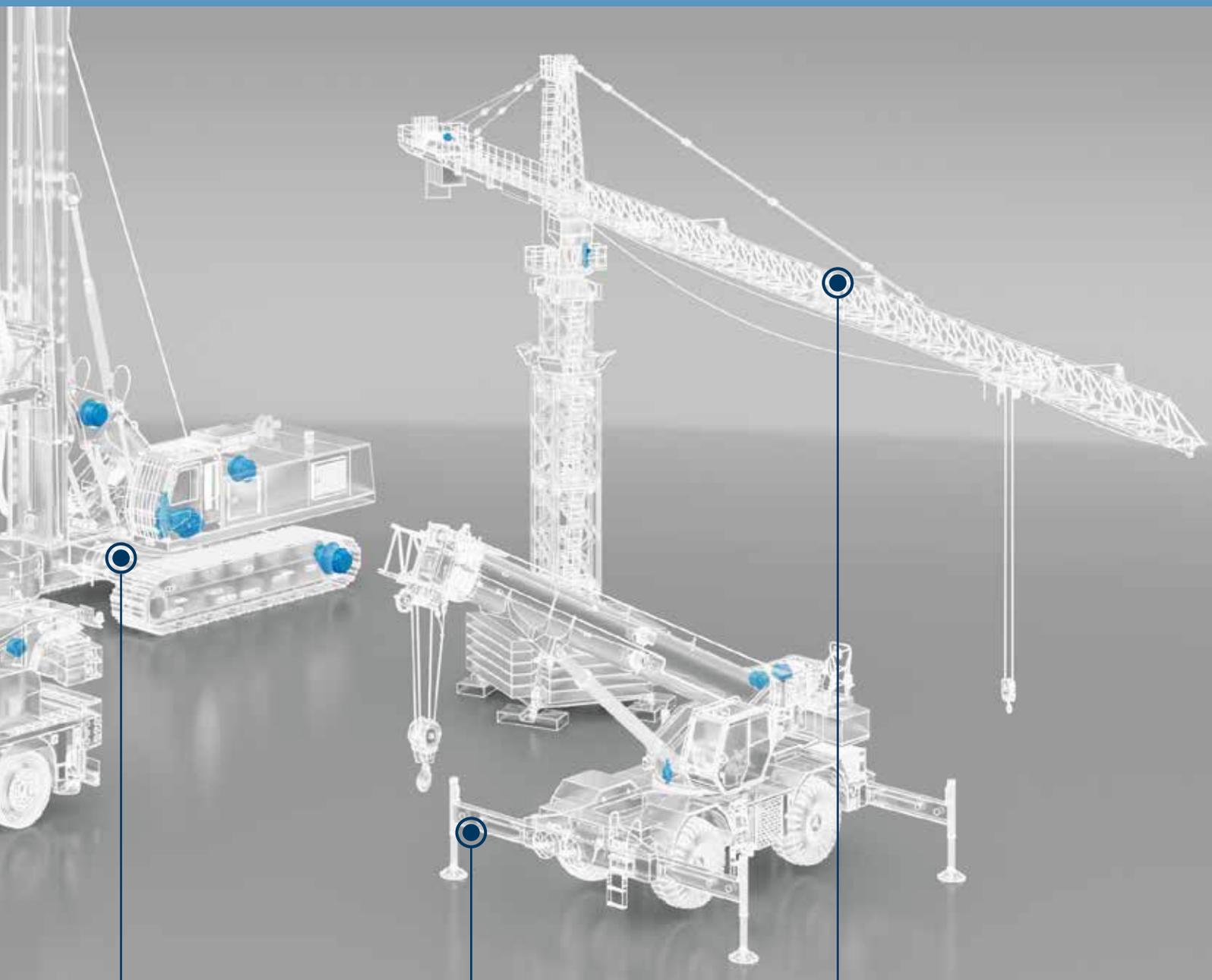
| Torque (Nm) | | | |
|-------------|--------|------|---------|
| S5 | 5.000 | S35 | 35.000 |
| S7 | 7.000 | S40 | 40.000 |
| S10 | 10.000 | S54 | 54.000 |
| S13 | 13.000 | S60 | 60.000 |
| S20 | 20.000 | S90 | 90.000 |
| S30 | 30.000 | S130 | 130.000 |



6 CRUSHERS & SCREENERS

4 CRAWLER CRANES

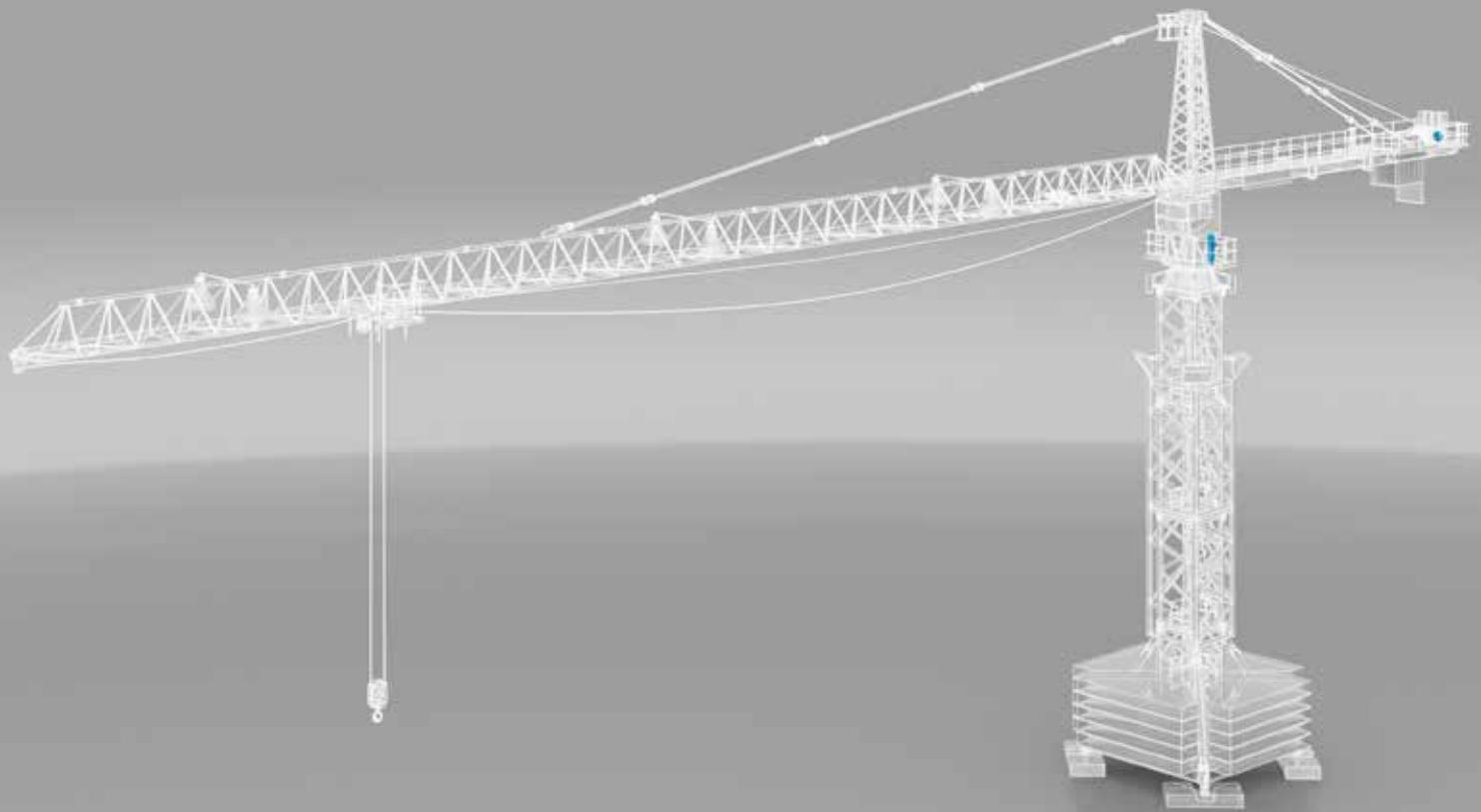
3 TRUCK-MOUNTED CRANES



5 DRILLING MACHINES

**2 ROUGH TERRAIN
CRANES**

1 BUILDING CRANES



1

BUILDING CRANES

Slew drives

Bonfiglioli slew drives provide the safest, most effective solution for building cranes. With its long-established experience, Bonfiglioli supplies robust and reliable products that meet all customer's needs.

Winch drives

Based on specific application requirements, each winch drive for lifting or pulling cranes is developed to improve the performance and work within the small spaces available.

Trolley & lifting drives

Bonfiglioli's range of products for handling cranes assures excellent lifting and trolley performance and long life. Both the proper alignment of the cranes and the lift machinery are improved by our solutions.



SLEW DRIVES



700T Series

Sleew drives



BENEFITS

- Wide torque range
- Complete motor-gearbox available on request

FEATURES

- Flange mounted
- Output shaft: splined or with integral pinion
- Integrated disc-brake

TECHNICAL DATA

| Torque (Nm) | |
|-------------|--------|
| 700 T | 1.200 |
| 701 T | 2.400 |
| 703 T | 3.500 |
| 704 T | 4.800 |
| 705 T | 6.500 |
| 706 T | 10.000 |
| 707 T | 15.000 |
| 709 T | 20.000 |
| 710 T | 30.000 |
| 711 T | 35.000 |
| 712 T | 45.000 |
| 713 T | 55.000 |
| 714 T | 65.000 |
| 715 T | 80.000 |



ACU-H Series

Customized inverters

BENEFITS

- Range of operating modes
- Operation guaranteed even in extreme situations
- Reduced mechanical stress

FEATURES

- Power from 0.25 to 400 kW
- Specific joystick responsiveness
- Minimum use of the brake
- Operation with faulty encoder at reduced speed
- Automatic wind compensation
- Anti-sway
- Optimized start and stop ramps



AxiaVert Series

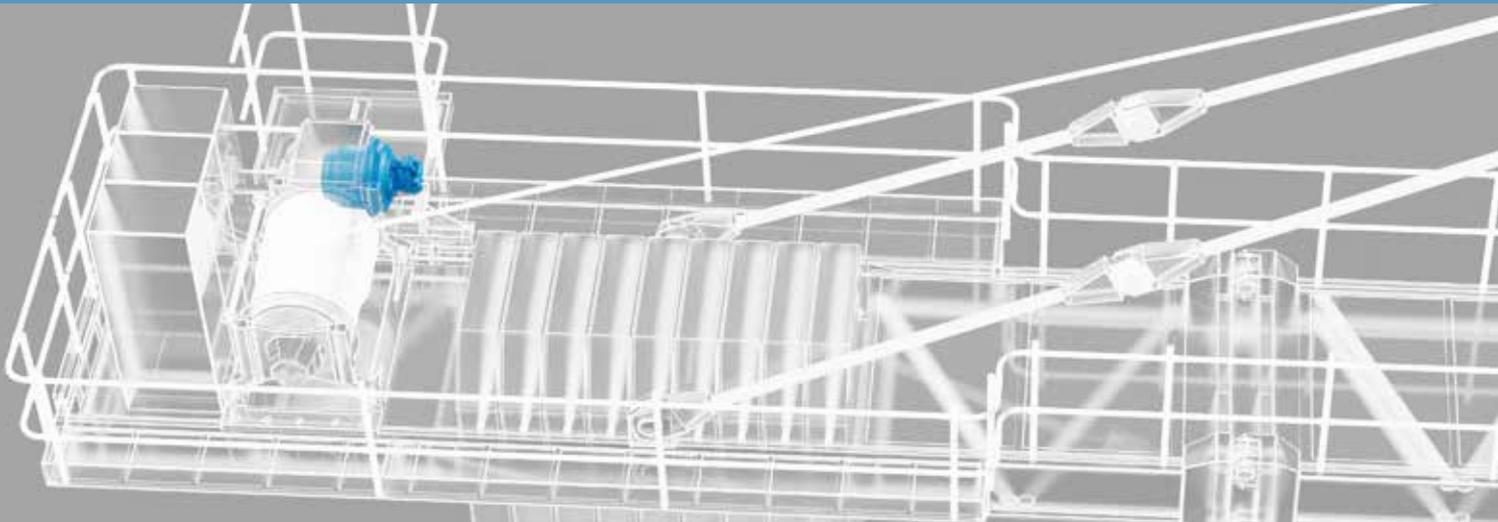
High performance cabinet inverter

BENEFITS

- Easy Functional Safety integration
- High mechanical adaptability
- Flexible communication and encoder solutions

FEATURES

- Selectable Functional safety features (up to SIL 3 / PL e / CAT. 4)
- Wide range of Encoder supports for various systems
- Optional internal PLC (IEC61131) allowing own customizations
- 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)



WINCH DRIVES



FW Series

Winch drives



- High "performance / dimension" ratio
- Robust design
- Special design available on request



700C Series

Winch drives



- Compact design
- Designed for high-volume series applications



ACU-H Series

Customized inverters

- Precise movements
- Work effectively at any environmental condition

BENEFITS

FEATURES

TECHNICAL DATA

Max Torque (Nm) up to

| | |
|-------|---------|
| FW30 | 15.000 |
| FW40 | 20.000 |
| FW55 | 25.000 |
| FW80 | 39.000 |
| FW100 | 52.000 |
| FW130 | 73.000 |
| FW180 | 112.000 |
| FW220 | 133.000 |
| FW260 | 150.000 |
| FW360 | 200.000 |

Considering FEM M5-L2-T5 @ output speed 15 rpm

Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli

Max Torque (Nm) up to

| | |
|----------|---------|
| 705 C2 H | 4.800 |
| 706 C3 B | 9.500 |
| 707 C3 B | 19.000 |
| 709 C3 B | 23.000 |
| 710C3 B | 29.000 |
| 711 C3 B | 32.000 |
| 713 C3 B | 45.000 |
| 715 C3 B | 55.000 |
| 716 C3 B | 76.000 |
| 717 C3 H | 95.000 |
| 718 C3 H | 105.000 |
| 720 C3 H | 174.000 |
| 722 C3 H | 249.000 |

Considering FEM M5-L2-T5 @ output speed 15 rpm

Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli



TROLLEY & LIFTING DRIVES



800 Series

Winch drives



- Modular design ensures high flexibility and fast delivery using the standard components of the 300 Series



A Series

Trolley & lifting drives

- Minimum mounting space
- Reduced installation space and wide output speed selection range
- Reduced standard backlash
- Highly dynamic, energy-saving solution
- Wide output speed selection range



ACU-H Series

Customized inverters

- Extended motor brake lifetime
- Power from 0.25 to 400 kW
- Precise sensorless control

BENEFITS

FEATURES

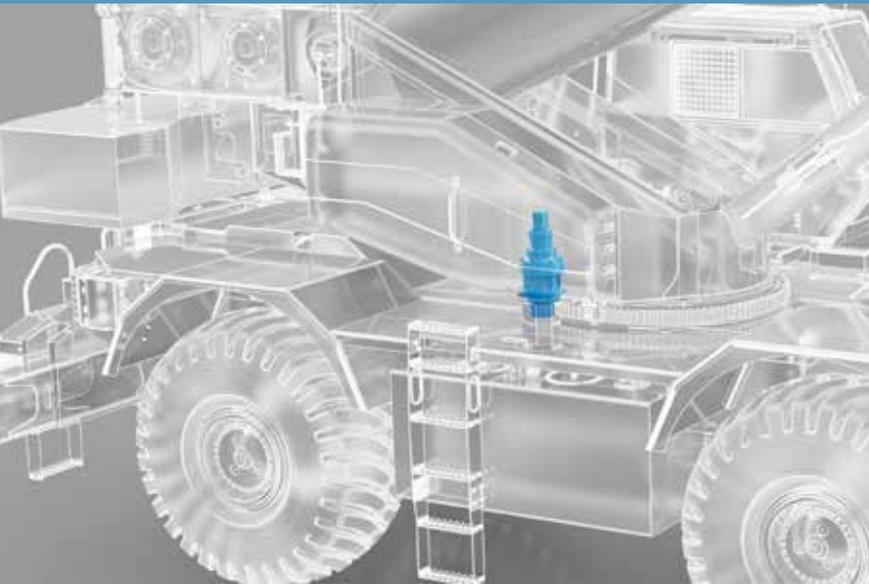
TECHNICAL DATA

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request
- Special paint on request
- Linear and angular input

- Right-angle input-output
- Compact motor coupling
- Wide range of ratios

| Max Torque (Nm) up to | |
|-----------------------|---------|
| 810 W L3 | 30.000 |
| 813 W L3 | 45.000 |
| 815 W L3 | 58.000 |
| 818 W L3 | 120.000 |
| 824 W L3 | 285.000 |

Considering FEM M5-L2-T5 @ output speed 15 rpm
 Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli



2

ROUGH TERRAIN CRANES

Slew drives

Bonfiglioli slew drives are the safest, most effective solution for rough terrain cranes. Our product flexibility matches the versatility of this typical application, allowing the highest reach and the best maneuverability.

Winch drives

Based on the specific application requirements, each winch drive for rough terrain cranes is developed to improve performance in the space available.



700T Series

Slew Drives



HYDRAULIC SOLUTIONS

BENEFITS

- Wide torque range
- Complete motor-gearbox available on request
- Adaptability

FEATURES

- Flange mounted
- Output shaft: splined or with integral pinion
- Integrated disc-brake

TECHNICAL DATA

| Torque (Nm) | |
|-------------|--------|
| 700 T | 1.000 |
| 701 T | 1.800 |
| 703 T | 2.500 |
| 704 T | 3.600 |
| 705 T | 5.000 |
| 706 T | 7.500 |
| 707 T | 9.000 |
| 709 T | 12.000 |
| 710 T | 18.000 |
| 711 T | 20.000 |



S Series

Slew Drives



HYDRAULIC SOLUTIONS

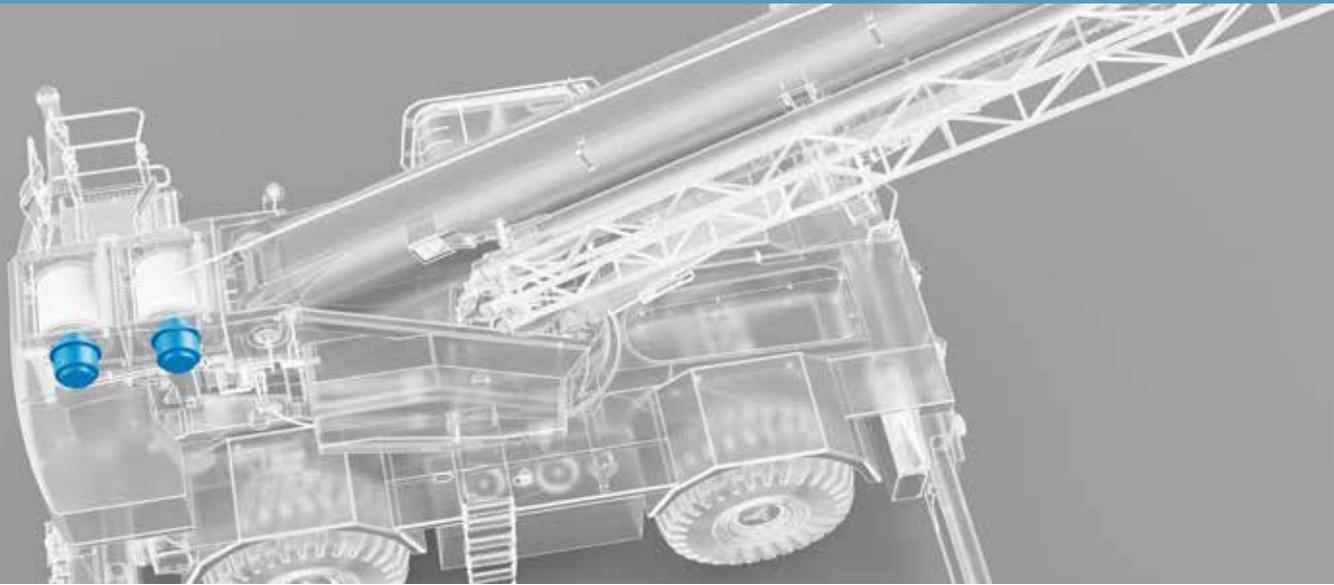


ELECTRIC SOLUTIONS

- Compact structure
- High performance
- Adaptability

- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake

| Torque (Nm) | |
|-------------|---------|
| S5 | 5.000 |
| S7 | 7.000 |
| S10 | 10.000 |
| S13 | 13.000 |
| S20 | 20.000 |
| S30 | 30.000 |
| S35 | 35.000 |
| S40 | 40.000 |
| S54 | 54.000 |
| S60 | 60.000 |
| S90 | 90.000 |
| S130 | 130.000 |



700C Series

Winch drives



- Compact design
- Designed for high-volume series applications

BENEFITS



800 Series

Winch drives



- Modular design ensures high flexibility and fast delivery using the standard components of the 300 Series

FEATURES

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request
- Special paint on request

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request
- Special paint on request
- Linear and angular input

TECHNICAL DATA

Max Torque (Nm) up to

| | | | |
|----------|--------|----------|---------|
| 705 C2 H | 4.800 | 715 C3 B | 55.000 |
| 706 C3 B | 9.500 | 716 C3 B | 76.000 |
| 707 C3 B | 19.000 | 717 C3 H | 95.000 |
| 709 C3 B | 23.000 | 718 C3 H | 105.000 |
| 710 C3 B | 29.000 | 720 C3 H | 174.000 |
| 711 C3 B | 32.000 | 722 C3 H | 249.000 |
| 713 C3 B | 45.000 | | |

Considering FEM M5-L2-T5 @ output speed 15 rpm

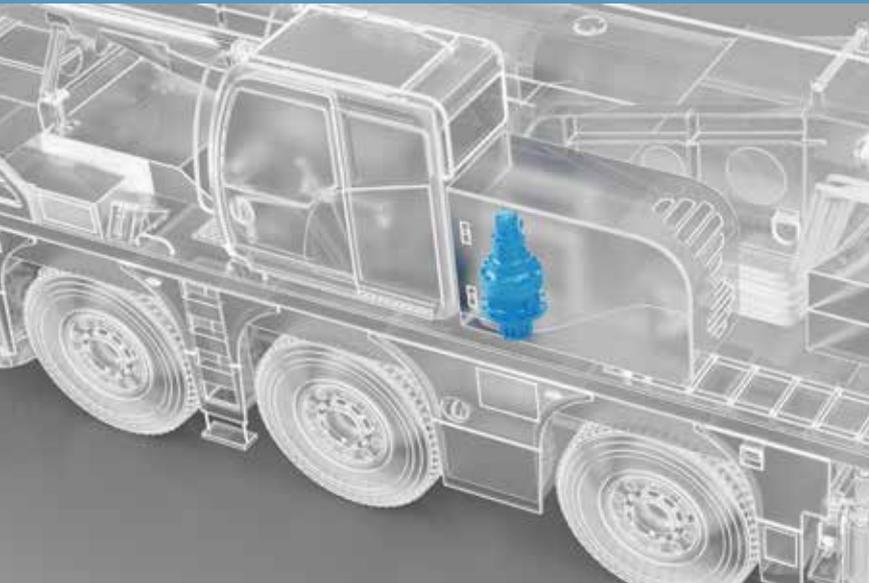
Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli

Max Torque (Nm) up to

| | |
|----------|---------|
| 810 W L3 | 30.000 |
| 813 W L3 | 45.000 |
| 815 W L3 | 58.000 |
| 818 W L3 | 120.000 |
| 824 W L3 | 285.000 |

Considering FEM M5-L2-T5 @ output speed 15 rpm

Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli



3

TRUCK-MOUNTED CRANES

Slew drives

Bonfiglioli slew drives provide the safest, most effective solution for truck-mounted cranes. Our product flexibility matches the versatility of this typical application, allowing the highest reach and the best maneuverability.

Winch drives

Based on the specific application requirements, each lifting or pulling truck-mounted winch drive is developed to improve performance in the space available.



700T Series

Slew Drives



- Wide torque range
- Complete motor-gearbox available on request
- Adaptability

BENEFITS

- Flange mounted
- Output shaft: splined or with integral pinion
- Integrated disc-brake

FEATURES

TECHNICAL DATA

| Torque (Nm) | |
|-------------|--------|
| 700 T | 1.000 |
| 701 T | 1.800 |
| 703 T | 2.500 |
| 704 T | 3.600 |
| 705 T | 5.000 |
| 706 T | 7.500 |
| 707 T | 9.000 |
| 709 T | 12.000 |
| 710 T | 18.000 |
| 711 T | 20.000 |



S Series

Slew Drives



- Compact structure
- High performance
- Adaptability

- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake

| Torque (Nm) | |
|-------------|---------|
| S5 | 5.000 |
| S7 | 7.000 |
| S10 | 10.000 |
| S13 | 13.000 |
| S20 | 20.000 |
| S30 | 30.000 |
| S35 | 35.000 |
| S40 | 40.000 |
| S54 | 54.000 |
| S60 | 60.000 |
| S90 | 90.000 |
| S130 | 130.000 |



700C Series

Winch drives



HYDRAULIC SOLUTIONS



ELECTRIC SOLUTIONS

BENEFITS

- Compact design
- Designed for high-volume series applications

FEATURES

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request
- Special paint on request

TECHNICAL DATA

Max Torque (Nm) up to

| | | | |
|----------|--------|----------|---------|
| 705 C2 H | 4.800 | 715 C3 B | 55.000 |
| 706 C3 B | 9.500 | 716 C3 B | 76.000 |
| 707 C3 B | 19.000 | 717 C3 H | 95.000 |
| 709 C3 B | 23.000 | 718 C3 H | 105.000 |
| 710 C3 B | 29.000 | 720 C3 H | 174.000 |
| 711 C3 B | 32.000 | 722 C3 H | 249.000 |
| 713 C3 B | 45.000 | | |

Considering FEM M5-L2-T5 @ output speed 15 rpm

Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli

**4****CRAWLER CRANES****Winch Drives**

Based on the specific application requirements, each winch drive for lifting cranes is developed to improve performance and work within the small spaces available.

Slew drives

Our slew drives provide the safest, most effective solution to crawler cranes. Our product flexibility matches the versatility of this typical application, allowing the highest reach and the best maneuverability.

Track drives

With a reliable series of products, Bonfiglioli gives OEMs the best possible choice of track drive systems for crawler cranes. The reliability and robustness of this series allow the machine to withstand harsh environments and extend service life.



WINCH DRIVES



700C Series

Winch drives



- Compact design
- Designed for high-volume series applications



FW Series

Winch drives



- High "performance / dimension" ratio
- Robust design
- Special design available on request



800 Series

Winch drives



- Modular design ensures high flexibility and fast delivery using the standard components of the 300 Series

BENEFITS

FEATURES

TECHNICAL DATA

Max Torque (Nm) up to

| | |
|----------|---------|
| 705 C2 H | 4.800 |
| 706 C3 B | 9.500 |
| 707 C3 B | 19.000 |
| 709 C3 B | 23.000 |
| 710 C3 B | 29.000 |
| 711 C3 B | 32.000 |
| 713 C3 B | 45.000 |
| 715 C3 B | 55.000 |
| 716 C3 B | 76.000 |
| 717 C3 H | 95.000 |
| 718 C3 H | 105.000 |
| 720 C3 H | 174.000 |
| 722 C3 H | 249.000 |

Considering FEM M5-L2-T5 @ output speed 15 rpm
Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli

Max Torque (Nm) up to

| | |
|-------|---------|
| FW30 | 15.000 |
| FW40 | 20.000 |
| FW55 | 25.000 |
| FW80 | 39.000 |
| FW100 | 52.000 |
| FW130 | 73.000 |
| FW180 | 112.000 |
| FW220 | 133.000 |
| FW260 | 150.000 |
| FW360 | 200.000 |

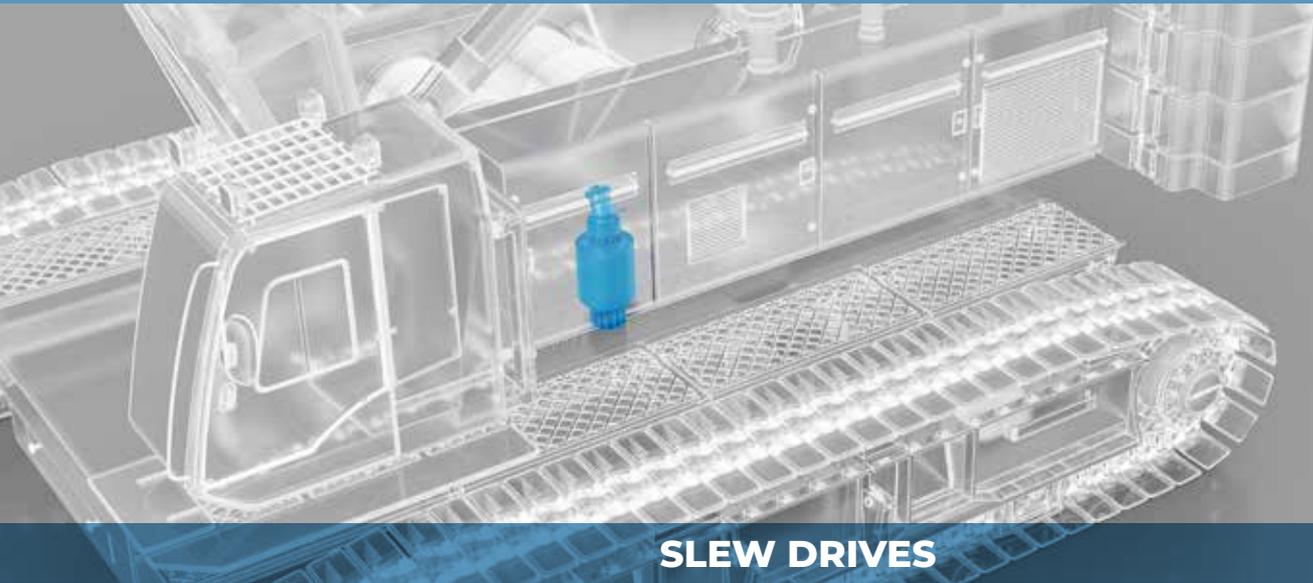
Considering FEM M5-L2-T5 @ output speed 15 rpm
Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli

Max Torque (Nm) up to

| | |
|----------|---------|
| 810 W L3 | 30.000 |
| 813 W L3 | 45.000 |
| 815 W L3 | 58.000 |
| 818 W L3 | 120.000 |
| 824 W L3 | 285.000 |

Considering FEM M5-L2-T5 @ output speed 15 rpm
Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli





SLEW DRIVES



700T Series

Slew Drives



HYDRAULIC SOLUTIONS

- Wide torque range
- Complete motor-gearbox available on request

BENEFITS

- Flange mounted
- Output shaft: splined or with integral pinion
- Integrated disc-brake

FEATURES



S Series

Slew Drives



HYDRAULIC SOLUTIONS



ELECTRIC SOLUTIONS

- Compact structure
- High performance

- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake

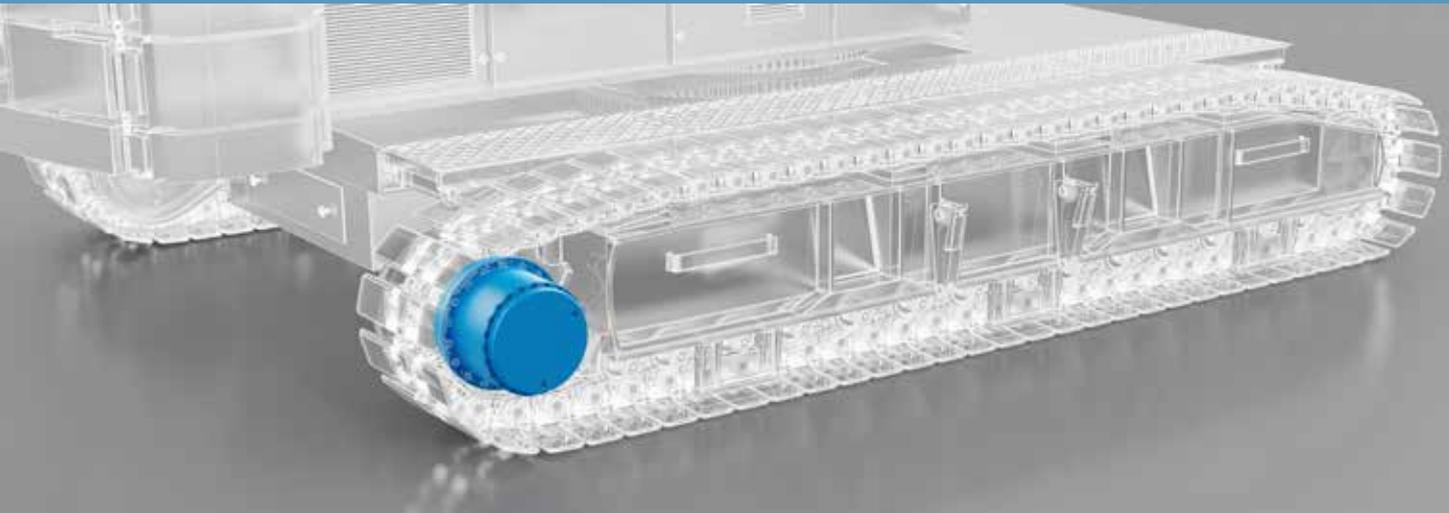
TECHNICAL DATA

Torque (Nm)

| | | | |
|-------|-------|-------|--------|
| 700 T | 1.000 | 706 T | 7.500 |
| 701 T | 1.800 | 707 T | 9.000 |
| 703 T | 2.500 | 709 T | 12.000 |
| 704 T | 3.600 | 710 T | 18.000 |
| 705 T | 5.000 | 711 T | 20.000 |

Torque (Nm)

| | | | |
|-----|--------|------|---------|
| S5 | 5.000 | S35 | 35.000 |
| S7 | 7.000 | S40 | 40.000 |
| S10 | 10.000 | S54 | 54.000 |
| S13 | 13.000 | S60 | 60.000 |
| S20 | 20.000 | S90 | 90.000 |
| S30 | 30.000 | S130 | 130.000 |



TRACK DRIVES



700C Series Track Drives



- Safe & efficient solutions
- Compact design

BENEFITS

- Rotating housing
- Lifelong mechanical seals on request
- Multiple ratios
- Integrated disc-brake

FEATURES

| | Torque (Nm) |
|----------|-------------|
| 706 C3 B | 18.000 |
| 707 C3 B | 26.000 |
| 709 C3 B | 30.000 |
| 710 C3 B | 36.000 |
| 711 C3 B | 45.000 |
| 713 C3 B | 60.000 |
| 715 C3 B | 85.000 |
| 716 C3 B | 100.000 |
| 717 C3 H | 130.000 |
| 718 C3 H | 180.000 |
| 720 C3 H | 220.000 |
| 722 C3 H | 330.000 |

TECHNICAL DATA



700CK Series Track Drives



- Compact, lightweight design
- Range of torques
- Motor-gearbox integrated solution

- Integrated motor-gearbox powered by hydraulic motor developed with Kayaba
- Rotating housing
- Pressure relief valve (shockless type) on request
- Anti-cavitation valve on request
- Multiple ratios
- Integrated disc-brake

| | Torque (Nm) |
|-----------|-------------|
| 700 C2 K | 1.200 |
| 700-2C2 K | 1.900 |
| 701 C2 K | 2.500 |
| 702 C2 K | 3.500 |
| 704 C2 K | 5.000 |



F Series Track Drives

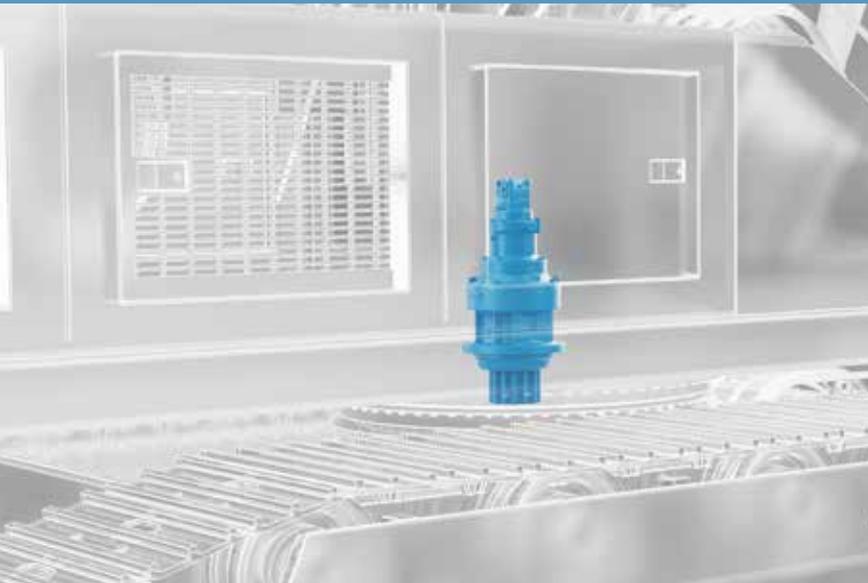


- Rugged design
- High torque & load capacity
- Integrated hydraulic motor on request

- Rotating housing
- Lifelong mechanical seals on request
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Multiple ratios
- Integrated disc-brake

| | Torque (Nm) |
|-------|-------------|
| F130 | 130.000 |
| F180 | 180.000 |
| F220 | 220.000 |
| F260 | 260.000 |
| F280 | 280.000 |
| F340 | 340.000 |
| F360 | 360.000 |
| F420 | 420.000 |
| F620 | 620.000 |
| F800 | 800.000 |
| F1100 | 1,100.000 |
| F1300 | 1,300.000 |
| F1800 | 1,800.000 |
| F2000 | 2,000.000 |
| F2200 | 2,200.000 |
| F3000 | 3,000.000 |





5

DRILLING MACHINES

Slew drives

Reliability and high torque capabilities are the two key benefits of our slew drive applications for drilling rigs up to 400 tons.

Track drives

With a series of reliable products, Bonfiglioli gives every OEM the best possible options for choosing a track drive system. High performance, including high torque in a compact space, is one of our portfolio's key benefits.



700T Series

Slew Drives



- Wide torque range
- Complete motor-gearbox available on request

BENEFITS

- Flange mounted
- Output shaft: splined or with integral pinion
- Integrated disc-brake

FEATURES



S Series

Slew Drives



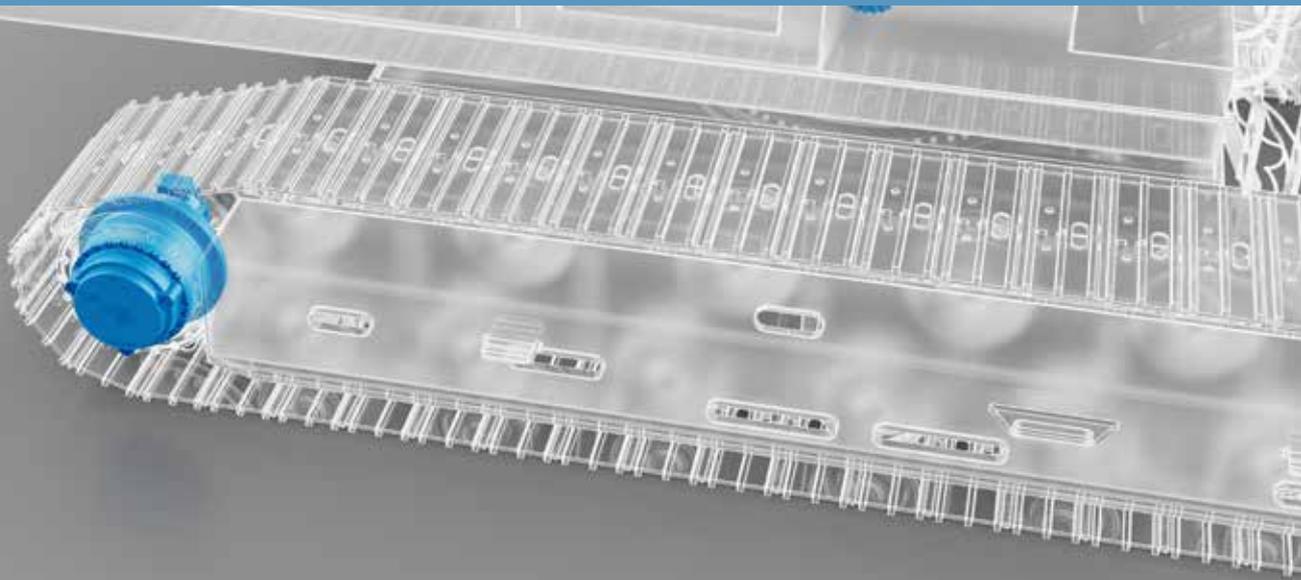
- Compact structure
- High performance

- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake

TECHNICAL DATA

| Torque (Nm) | |
|-------------|--------|
| 700 T | 1.000 |
| 701 T | 1.800 |
| 703 T | 2.500 |
| 704 T | 3.600 |
| 705 T | 5.000 |
| 706 T | 7.500 |
| 707 T | 9.000 |
| 709 T | 12.000 |
| 710 T | 18.000 |
| 711 T | 20.000 |

| Torque (Nm) | |
|-------------|---------|
| S5 | 5.000 |
| S7 | 7.000 |
| S10 | 10.000 |
| S13 | 13.000 |
| S20 | 20.000 |
| S30 | 30.000 |
| S35 | 35.000 |
| S40 | 40.000 |
| S54 | 54.000 |
| S60 | 60.000 |
| S90 | 90.000 |
| S130 | 130.000 |



700C Series

Track Drives



- Safe & efficient solutions
- Compact design



700CK Series

Track Drives



- Compact, lightweight design
- Range of torques
- Motor-gearbox integrated solution



F Series

Track Drives



- Rugged design
- High torque & load capacity
- Integrated hydraulic motor on request

BENEFITS

FEATURES

- Rotating housing
- Lifelong mechanical seals on request
- Multiple ratios
- Integrated disc-brake

- Integrated motor-gearbox powered by hydraulic motor developed with Kayaba
- Rotating housing
- Lifelong mechanical seals
- Pressure relief valve (shockless type) on request
- Anti-cavitation valve on request
- Multiple ratios
- Integrated disc-brake

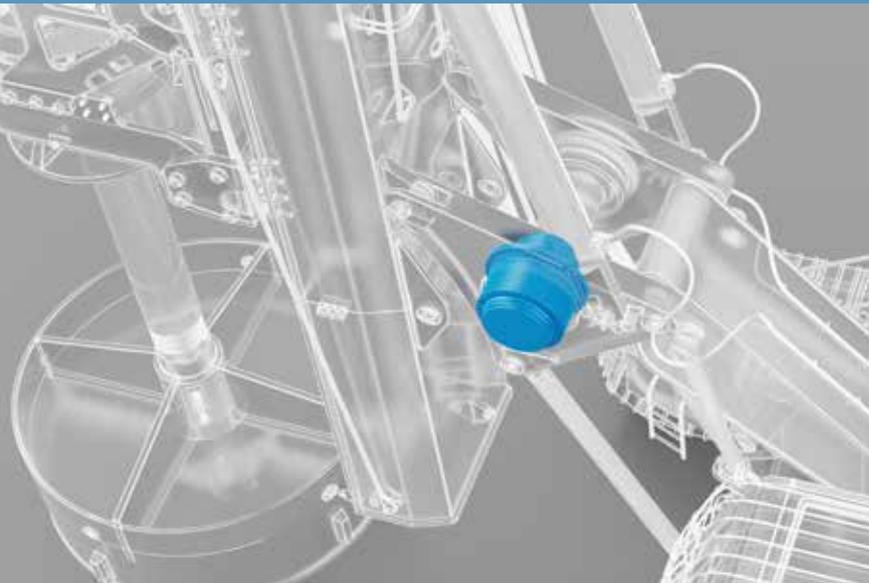
- Rotating housing
- Lifelong mechanical seals on request
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Multiple ratios
- Integrated disc-brake

TECHNICAL DATA

| | Torque (Nm) |
|----------|-------------|
| 706 C3 B | 18.000 |
| 707 C3 B | 26.000 |
| 709 C3 B | 30.000 |
| 710 C3 B | 36.000 |
| 711 C3 B | 45.000 |
| 713 C3 B | 60.000 |
| 715 C3 B | 85.000 |
| 716 C3 B | 100.000 |
| 717 C3 H | 130.000 |
| 718 C3 H | 180.000 |
| 720 C3 H | 220.000 |
| 722 C3 H | 330.000 |

| | Torque (Nm) |
|----------|-------------|
| 705 C2 K | 9.000 |
| 706 C3 K | 18.000 |
| 707 C3 K | 26.000 |
| 709 C3 K | 30.000 |
| 710 C3 K | 36.000 |
| 710 C2 K | 40.000 |
| 713 C2 K | 45.000 |
| 716 C3 K | 60.000 |
| 715 C3 K | 85.000 |
| 716 C3 K | 100.000 |
| 718 C3 K | 180.000 |
| 720 C3 K | 220.000 |

| | Torque (Nm) |
|------|-------------|
| F130 | 130.000 |
| F180 | 180.000 |
| F220 | 220.000 |
| F260 | 260.000 |
| F280 | 280.000 |
| F340 | 340.000 |
| F360 | 360.000 |
| F420 | 420.000 |



Winch drives

Bonfiglioli can supply a huge range of winch drives according to the various OEM requests for drilling rigs.



700C Series

Winch drives



- Compact design
- Designed for high-volume series applications



FW Series

Winch drives



- High "performance / dimension" ratio
- Robust design
- Special design available on request



800 Series

Winch drives



- Modular design ensures high flexibility and fast delivery using the standard components of the 300 Series

BENEFITS

FEATURES

TECHNICAL DATA

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request
- Special paint on request

- High torque range
- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request
- Special paint on request
- Linear and angular input

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request
- Special paint on request
- Linear and angular input

| Max Torque (Nm) up to | |
|-----------------------|---------|
| 705 C2 H | 4.800 |
| 706 C3 B | 9.500 |
| 707 C3 B | 19.000 |
| 709 C3 B | 23.000 |
| 710 C3 B | 29.000 |
| 711 C3 B | 32.000 |
| 713 C3 B | 45.000 |
| 715 C3 B | 55.000 |
| 716 C3 B | 76.000 |
| 717 C3 H | 95.000 |
| 718 C3 H | 105.000 |
| 720 C3 H | 174.000 |
| 722 C3 H | 249.000 |

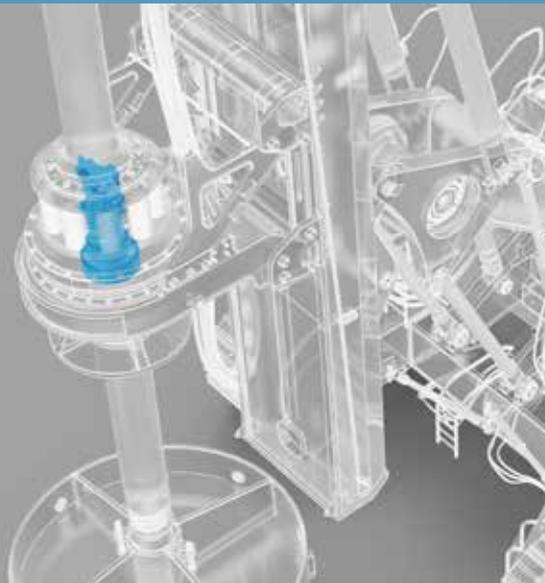
Considering FEM M5-L2-T5 @ output speed 15 rpm
Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli

| Max Torque (Nm) up to | |
|-----------------------|---------|
| FW30 | 15.000 |
| FW40 | 20.000 |
| FW55 | 25.000 |
| FW80 | 39.000 |
| FW100 | 52.000 |
| FW130 | 73.000 |
| FW180 | 112.000 |
| FW220 | 133.000 |
| FW260 | 150.000 |
| FW360 | 200.000 |

Considering FEM M5-L2-T5 @ output speed 15 rpm
Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli

| Max Torque (Nm) up to | |
|-----------------------|---------|
| 810 W L3 | 30.000 |
| 813 W L3 | 45.000 |
| 815 W L3 | 58.000 |
| 818 W L3 | 120.000 |
| 824 W L3 | 285.000 |

Considering FEM M5-L2-T5 @ output speed 15 rpm
Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli



Rotary head drives

Supplying the necessary power to the drilling machine, rotary head drives ensure greater efficiency and resistance for long work times.



300 Series

Multipurpose planetary drives



BENEFITS

- Wide torque range
- Huge range of configurations
- Compact and powerful
- Resistant to shock loads
- High versatility

FEATURES

- Prearrangement for various hydraulic motors
- High oil volume capacity for thermal power dissipation

TECHNICAL DATA

| Torque (Nm) | | | |
|-------------|--------|-----|---------|
| 306 | 8.500 | 311 | 40.000 |
| 307 | 12.500 | 313 | 55.000 |
| 309 | 18.000 | 314 | 80.000 |
| 310 | 25.000 | 315 | 100.000 |

6

CRUSHERS & SCREENERS

Track drives

With a series of reliable products for crushing equipment, Bonfiglioli gives OEMs the best possible choice of a track drive system. High performance, including high torque in a compact space, is one of our portfolio's key benefits. These solutions ensure smooth machine operation and long product life.

Conveyor drives

The performance of Bonfiglioli conveyor drives eliminates maintenance-intensive gearboxes, increasing reliability and cost savings.



700C Series

Track Drives



- Safe & efficient solutions
- Compact design



700CE Series

Track Drives



Benefits for OEMs

- Ability to downsize and downspeed combustion engines
- Easy installation: electric solution dimensions comparable to standard hydrostatics
- Greater system reliability: fewer mechanical parts
- Virtually maintenance-free electric motors

- From sprocket to electric wire with only one supplier

Benefits for end-users

- Reduced fuel consumption
- Increased productivity
- Better machine maneuverability
- The electric solution is cleaner: lower risk of oil spills

BENEFITS

FEATURES

- Rotating housing
- Lifelong mechanical seals on request
- Multiple ratios
- Integrated disc-brake

- Gear ratios up to 166
- Input speed up to 6,000 rpm
- Multistage planetary gearbox
- Rotating housing output
- Validated in the field

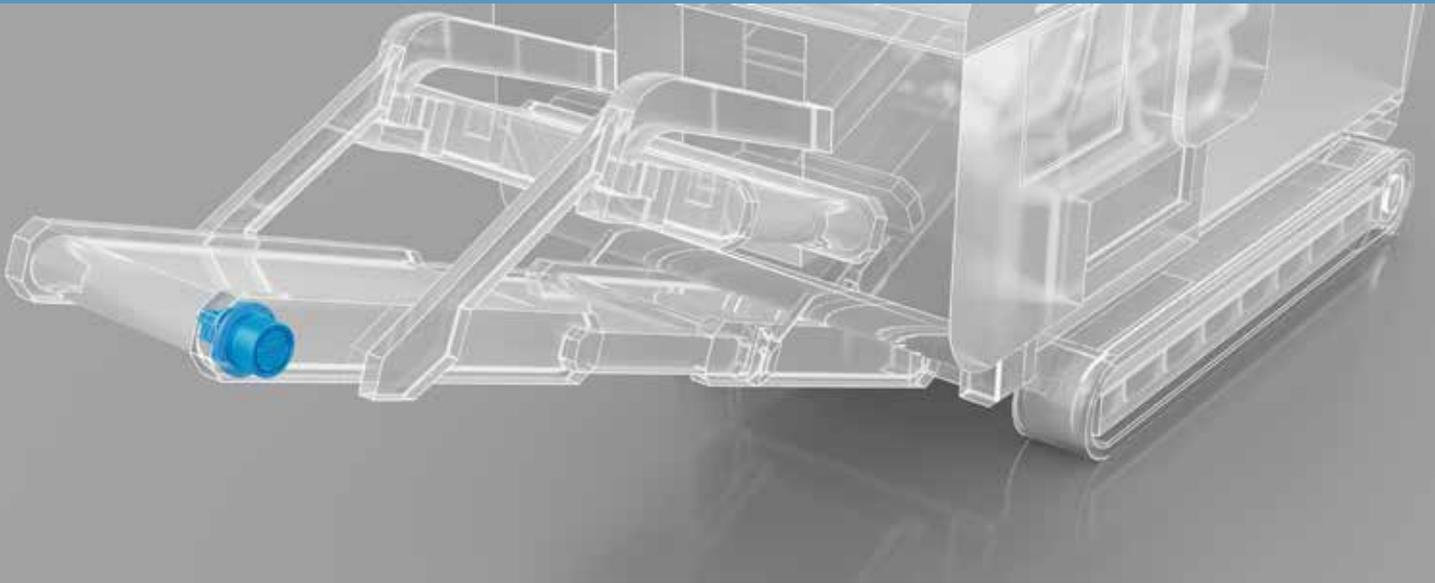
- Permanent magnet motors
- Suitable for 400 - 700Vdc batteries
- Liquid-cooled
- Aluminum or cast iron housing
- Protection rating >IP54

TECHNICAL DATA

| | Torque (Nm) |
|----------|-------------|
| 706 C3 B | 18.000 |
| 707 C3 B | 26.000 |
| 709 C3 B | 30.000 |
| 710 C3 B | 36.000 |
| 711 C3 B | 45.000 |
| 713 C3 B | 60.000 |
| 715 C3 B | 85.000 |
| 716 C3 B | 100.000 |
| 717 C3 H | 130.000 |
| 718 C3 H | 180.000 |
| 720 C3 H | 220.000 |
| 722 C3 H | 330.000 |

| | Torque (Nm) |
|--------|-------------|
| 707 CE | 26.000 |
| 709 CE | 30.000 |
| 710 CE | 36.000 |
| 711 CE | 45.000 |
| 713 CE | 60.000 |

| | Rated power (kW) |
|------------|------------------|
| BPM 240-L1 | 20 |
| BPM 240-L2 | 35 |
| BPM 240-L3 | 65 |
| BPM 300-L1 | 100 |
| BPM 300-L2 | 150 |



F Series Track Drives



- Rugged design
- High torque & load capacity
- Integrated hydraulic motor on request

BENEFITS



800 Series Conveyor Drives



- High torque capacity
- High load capacity

FEATURES

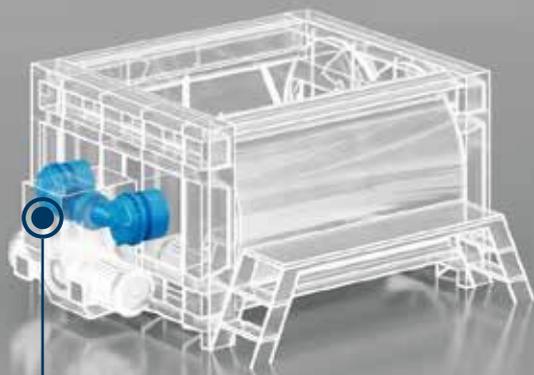
- Rotating housing
- Lifelong mechanical seals on request
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Multiple ratios
- Integrated disc-brake

- Rotating housing flange
- Optional freewheel for anti-runback device

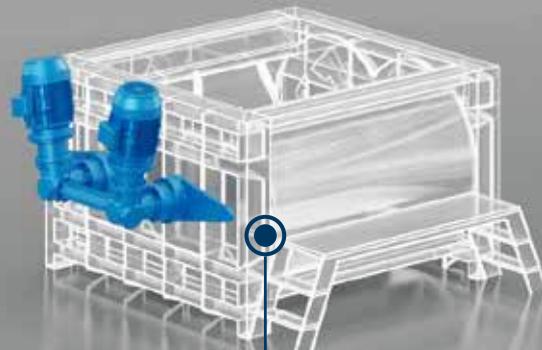
TECHNICAL DATA

| | Torque (Nm) |
|------|-------------|
| F130 | 130.000 |
| F180 | 180.000 |
| F220 | 220.000 |
| F260 | 260.000 |
| F280 | 280.000 |
| F340 | 340.000 |
| F360 | 360.000 |

| | Torque (Nm) |
|--------|-------------|
| 805 W2 | 5.000 |
| 806 W2 | 10.000 |

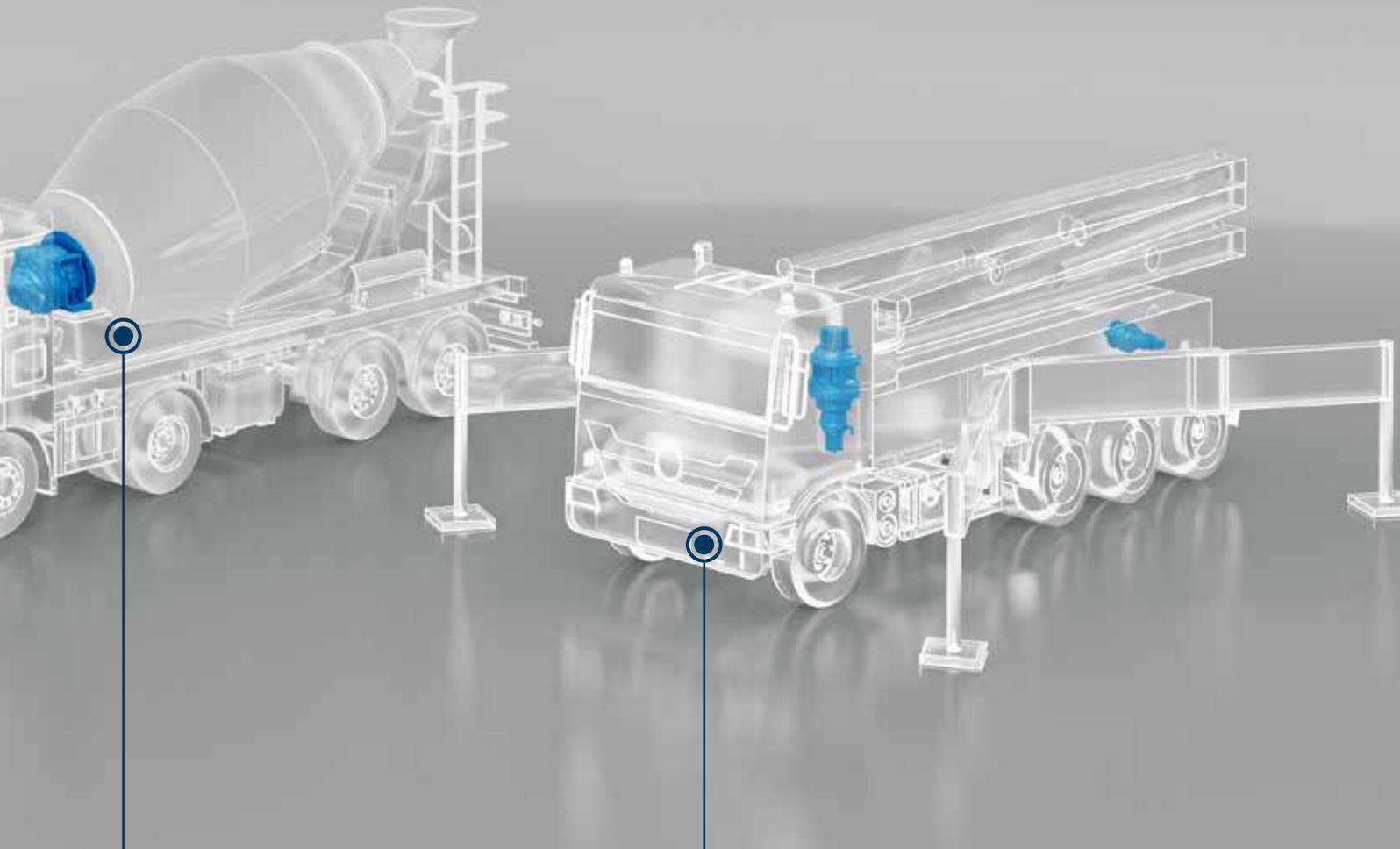


1 CONCRETE MIXERS



2 ASPHALT MIXERS





4 TRANSIT MIXER TRUCKS

3 TRUCK-MOUNTED CONCRETE PUMPS



1

CONCRETE MIXERS

Mixer drives

Bonfiglioli's highly versatile solutions fit these heavy-duty applications excellently, helping the machines to deliver optimal mixing results.



300 Series

Planetary gearbox and geared motor



- Modular design ensures high flexibility and fast delivery
- Huge range of configurations



HDO Series

Helical Bevel Heavy Duty Gear Units



- Highly transmissible power
- Robustness
- Mounting flexibility
- Reliability
- Usable in explosive environments



Active Cube Series

Premium Inverters

- Compact design
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environments

BENEFITS

FEATURES

TECHNICAL DATA

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request
- Special paint on request
- Linear and angular input

- Spheroidal cast iron housing
- I/O shaft planarity and gearbox symmetry
- Wide range of options and accessories
- High design standards
- Atex - gearbox for explosive environments 2G/2D

- Power from 0.25 to 400 kW
- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software

| | Torque (Nm) |
|-----|-------------|
| 306 | 8.500 |
| 307 | 12.500 |
| 309 | 18.000 |
| 310 | 25.000 |
| 311 | 40.000 |
| 313 | 55.000 |
| 314 | 80.000 |
| 315 | 100.000 |
| 316 | 134.000 |

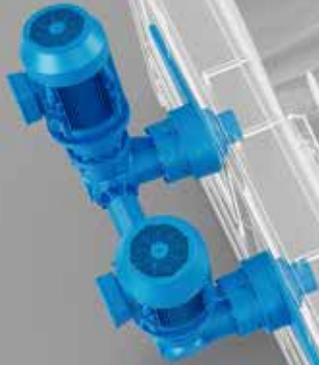
| | Torque (Nm) |
|-----|-------------|
| 100 | 28.210 |
| 110 | 31.790 |
| 120 | 41.250 |
| 125 | 49.240 |
| 130 | 69.570 |
| 140 | 87.060 |
| 150 | 117.800 |
| 160 | 147.070 |
| 170 | 190.190 |
| 180 | 209.900 |

2

ASPHALT MIXERS

Mixer drives

Bonfiglioli's highly versatile solutions, with integrated mechanical synchronization, is suitable for these heavyduty applications offering compactness and different machine fitting design.



300 Series

Planetary gearbox and geared motor



- Modular design ensures high flexibility and fast delivery
- Huge range of configurations
- Mechanical synchronization capability thanks to two inputs: one for the motor and the other for the coupling joint.

BENEFITS

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request
- Special paint on request
- Linear and angular input

FEATURES

Torque (Nm)

| | |
|-----|--------|
| 305 | 5.000 |
| 306 | 8.500 |
| 307 | 12.500 |
| 309 | 18.000 |
| 310 | 25.000 |
| 311 | 40.000 |
| 313 | 55.000 |
| 314 | 80.000 |

TECHNICAL DATA



HDO Series

Helical Bevel Heavy Duty Gear Units



- Highly transmissible power
- Robustness
- Mounting flexibility
- Reliability
- Usable in explosive environments

- Spheroidal cast iron housing
- I/O shaft planarity and gearbox symmetry
- Wide range of options and accessories
- High design standards
- Atex - gearbox for explosive environments 2G/2D

Torque (Nm)

| | |
|-----|---------|
| 100 | 28.210 |
| 110 | 31.790 |
| 120 | 41.250 |
| 125 | 49.240 |
| 130 | 69.570 |
| 140 | 87.060 |
| 150 | 117.800 |
| 160 | 147.070 |
| 170 | 190.190 |
| 180 | 209.900 |

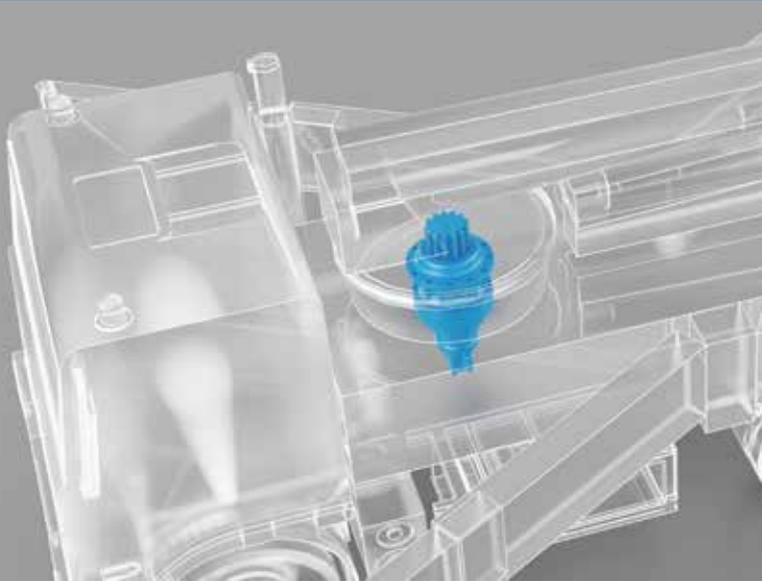


Active Cube Series

Premium Inverters

- Compact design
- Cost-saving
- Plug & play solution
- Standard cooling and optional water-cooling
- Tropicalized for harsh environments

- Power from 0.25 to 400 kW
- Keypad for easy setup, commissioning, parameterization, copy function and diagnosis
- Interface for communication with PC
- Field bus communication: I/O Extension
- Encoder & feedback evaluation
- PC software



3

TRUCK-MOUNTED CONCRETE PUMPS

Slew drives

Bonfiglioli slew drives provide the safest, most effective solution for truck-mounted concrete pumps. Our product flexibility matches the versatility of this typical application, allowing the highest reach and the best maneuverability.



700T Series

Slew Drives



BENEFITS

- Wide torque range
- Complete motor-gearbox available on request

FEATURES

- Flange mounted
- Output shaft: splined or with integral pinion
- Integrated disc-brake

TECHNICAL DATA

| Torque (Nm) | |
|-------------|--------|
| 700 T | 1.000 |
| 701 T | 1.800 |
| 703 T | 2.500 |
| 704 T | 3.600 |
| 705 T | 5.000 |
| 706 T | 7.500 |
| 707 T | 9.000 |
| 709 T | 12.000 |
| 710 T | 18.000 |
| 711 T | 20.000 |

4

TRANSIT MIXER TRUCKS

Drum drives

Our solutions improve the key features of concrete trucks, including rpm control precision, noise levels and fuel consumption, as well as reducing maintenance costs. Available in both electric and hydraulic versions, Bonfiglioli drum drives meet machine builders' needs perfectly. The electric version not only guarantees greater energy efficiency and reduced fuel consumption, but also helps cut cement mixer truck operating costs.



500 Series

Drum drives



- High torque capacity
- High load capacity
- Rugged design

BENEFITS

- Rotating housing flange
- Tilting output flange, evenly in all directions
- Mounting frame for water flange on request
- Water pump P.T.O. on request
- Speed sensor on request

FEATURES

| | Torque (Nm) |
|-----|-------------|
| 501 | 3.000 |
| 564 | 12.000 |
| 565 | 12.000 |
| 567 | 20.000 |
| 568 | 20.000 |
| 575 | 50.000 |
| 577 | 60.000 |
| 580 | 75.000 |

TECHNICAL DATA



500 Series

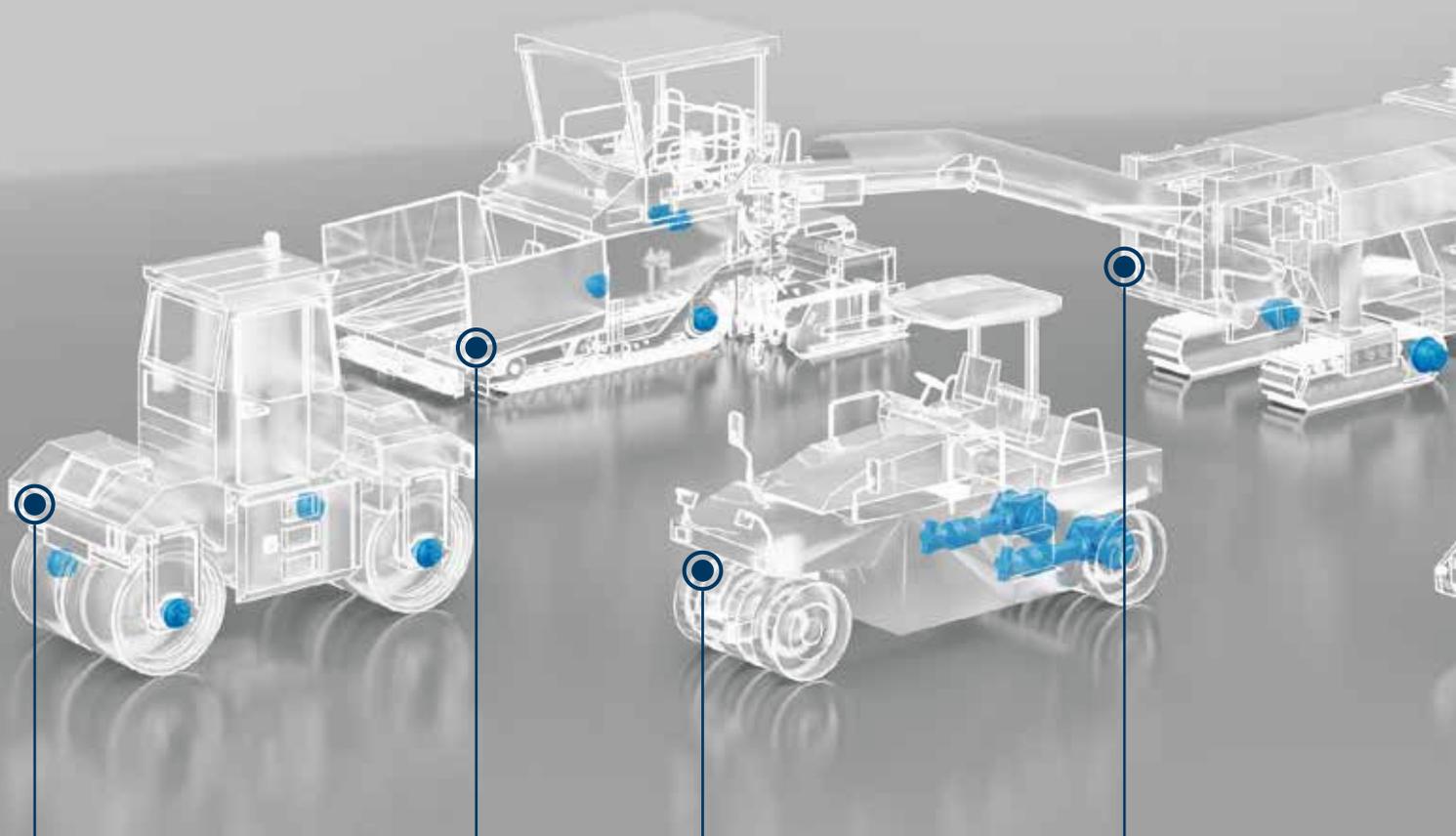
Drum drives



- Enhanced operational reliability
- Reduced maintenance costs
- Increased energy efficiency and low fuel consumption
- Low operating noise levels

- Gear ratio optimized for high efficiency electric motors
- Accurate rotation speed control
- Gear profile optimized for low noise

| | Torque (Nm) |
|-----|-------------|
| 575 | 50.000 |
| 577 | 60.000 |
| 580 | 75.000 |

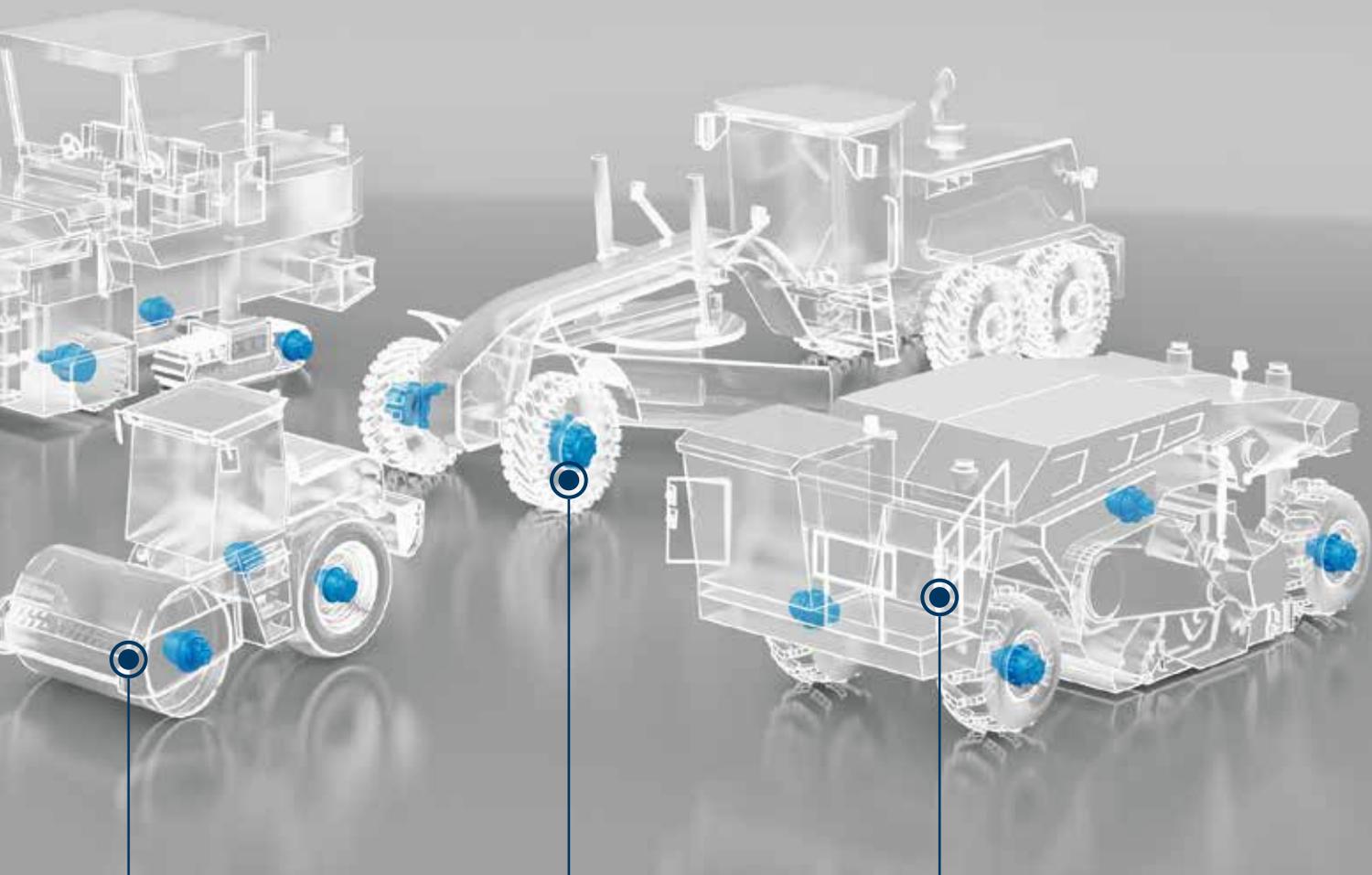


6 TANDEM VIBRATORY ROLLERS

1 PAVERS

5 PNEUMATIC TIRED ROLLERS

7 COLD MILLING MACHINES



3 SOIL COMPACTORS

4 GRADERS

2 ROAD RECLAIMERS



1

PAVERS

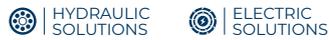
Track drives

For any tracked paving machine, no matter how big or small, there is a suitable travel drive in the Bonfiglioli range, allowing the machine to move smoothly backwards and forwards. Hydraulic units are available with a fail-safe parking brake and most have a cartridge-type fixed or variable displacement hydraulic motor.



700C Series

Track Drives



- Compact design
- Designed for high-volume series applications

BENEFITS



F Series

Track Drives



- Rugged design
- High torque & load capacity
- Integrated hydraulic motor on request

FEATURES

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request

- Rotating housing
- Lifelong mechanical seals on request
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Multiple ratios
- Integrated disc-brake

TECHNICAL DATA

Torque (Nm)

| | | | |
|--------|--------|--------|---------|
| 705C2H | 4.800 | 715C3B | 55.000 |
| 706C3B | 9.500 | 716C3B | 76.000 |
| 707C3B | 19.000 | 717C3H | 95.000 |
| 709C3B | 23.000 | 718C3H | 105.000 |
| 710C3B | 29.000 | 720C3H | 174.000 |
| 711C3B | 32.000 | 722C3H | 249.000 |
| 713C3B | 45.000 | | |

Torque (Nm)

| | |
|------|---------|
| F13A | 13.000 |
| FD20 | 20.000 |
| F30 | 30.000 |
| F40 | 40.000 |
| F55 | 55.000 |
| F80 | 80.000 |
| F100 | 100.000 |



700CE Series

Track Drives



BENEFITS

Benefits for OEMs

- Ability to downsize and downspeed combustion engines
- Easy installation: electric solution dimensions comparable to standard hydrostatics
- Greater system reliability: fewer mechanical parts
- Virtually maintenance-free electric motors
- From sprocket to electric wire with only one supplier

Benefits for end-users

- Reduced fuel consumption
- Increased productivity
- Better machine maneuverability
- The electric solution is cleaner: lower risk of oil spills

FEATURES

Gearbox

- Gear ratios up to 166
- Input speed up to 6,000 rpm
- Multistage planetary gearbox
- Rotating housing output
- Validated in the field

E-motor

- Permanent magnet motors
- Suitable for 400 - 700Vdc batteries
- Liquid-cooled
- Aluminum or cast iron housing
- Protection rating >IP54

TECHNICAL DATA

Torque (Nm)

| | |
|--------|--------|
| 707 CE | 26.000 |
| 709 CE | 30.000 |
| 710 CE | 36.000 |
| 711 CE | 45.000 |
| 713 CE | 60.000 |

Rated power (kW)

| | |
|------------|-----|
| BPM 240-L1 | 20 |
| BPM 240-L2 | 35 |
| BPM 240-L3 | 65 |
| BPM 300-L1 | 100 |
| BPM 300-L2 | 150 |





Wheel and track drives

Bonfiglioli produces a series of reliable drives to offer paving machine builders a selection of quality drive systems. Our entire portfolio boasts top-level performances, including high torque in a compact space with limited axial dimensions. The electric version has fixed ratio or hydraulic-operated shift.



600W Series

Wheel Drives



Benefits for OEMs

- Ability to downsize and downspeed combustion engines
- Easy installation: electric solution dimensions comparable to standard hydrostatics
- Greater system reliability: fewer mechanical parts
- Virtually maintenance-free electric motors

- From wheel bolt to electric wire with only one supplier

Benefits for end users

- Reduced fuel consumption
- Increased productivity
- Better machine maneuverability
- The electric solution is cleaner: lower risk of oil spills



600W2/3 Series

Wheel Drives



- High torque capacity
- Rugged design

BENEFITS

FEATURES

Gearbox

- Multistage planetary gearbox
- Rotating housing output
- Validated in the field

E-motor

- Permanent magnet motors
- Suitable for 400 - 700Vdc batteries
- Liquid-cooled
- Aluminum or cast iron housing
- Protection rating >IP54

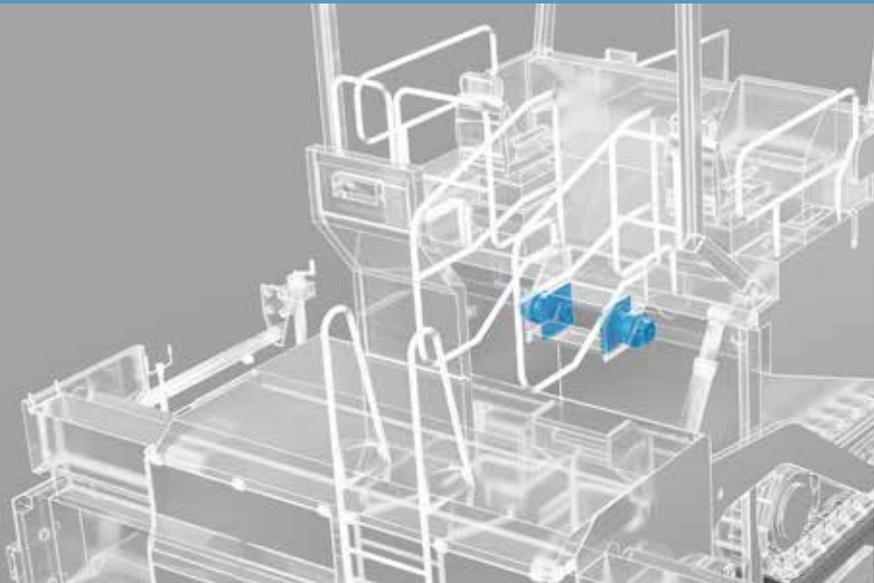
- Rotating housing flange with studs to fit wheels and drums
- Optional mechanical gear disengagement on request

TECHNICAL DATA

| | Torque (Nm) |
|------------|-------------|
| 605 W..V.. | 10.000 |
| 606 W..V | 17.000 |
| 607 W..V | 22.000 |
| 609 W..V | 30.000 |
| 610 W..V | 36.000 |
| 610 X | 40.000 |
| 611 W..V | 45.000 |
| 613 W | 60.000 |

| | Rated power (kW) |
|------------|------------------|
| BPM 240-L1 | 20 |
| BPM 240-L2 | 35 |
| BPM 240-L3 | 65 |
| BPM 300-L1 | 100 |
| BPM 300-L2 | 150 |

| | Torque (Nm) |
|---------|-------------|
| 606W2/3 | 15.000 |
| 610W2/3 | 40.000 |
| 611W2/3 | 50.000 |



Auger drives

Bonfiglioli supplies a specific solution for distribution augers that push asphalt outward to the desired width. Resistant to heavy loads, the range of products can withstand long working hours.



300 Series Mobile

Auger drives



BENEFITS

- Modular design ensures high flexibility and fast delivery
- Huge range of configurations

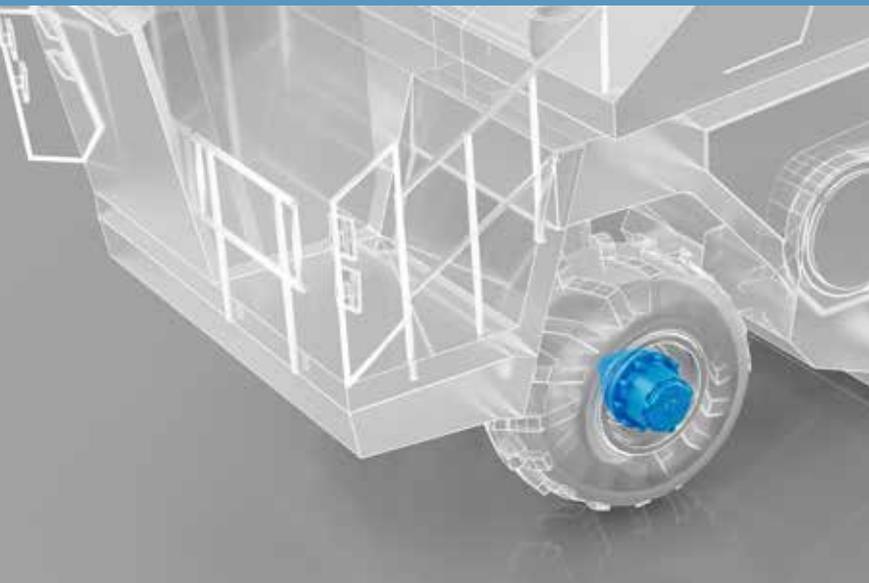
FEATURES

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request

TECHNICAL DATA

| | Torque (Nm) |
|-----|-------------|
| 300 | 1.000 |
| 301 | 1.750 |
| 303 | 2.500 |
| 304 | 3.600 |
| 305 | 5.000 |
| 306 | 8.500 |
| 307 | 12.500 |
| 309 | 18.000 |





2

ROAD RECLAIMERS

Wheel drives

With a reliable series of products for road reclaimers and graders, Bonfiglioli gives machine builders the best possible choice of drive systems. High performance, including high torque in a compact space with limited axial dimensions, is one of our portfolio's key benefits. These solutions include an optional disengagement device for towing the machine in an emergency.



600 Series

Wheel drives



BENEFITS

- High torque capacity
- Rugged design

FEATURES

- Rotating housing flange with studs to fit wheels and drums
- Optional mechanical gear disengagement on request

TECHNICAL DATA

| | Torque (Nm) |
|-------|-------------|
| 610 W | 30.000 |
| 611 W | 45.000 |
| 613 W | 60.000 |

3

SOIL COMPACTORS

Wheel drives

High performance, including high torque in a compact space with limited axial dimensions, is one of our portfolio's key benefits.

Drum drives

Extreme compactness, light weight, efficiency and smooth operation are the key features of Bonfiglioli travel drives for soil compactor machines.



600 Series

Wheel drives



- High torque capacity
- Rugged design



700 Series

Wheel drives



- Safe & efficient solutions
- Compact design



F Series

Drum drives



- Rugged design
- High torque & load capacity
- Integrated hydraulic motor on request

BENEFITS

FEATURES

- Rotating housing flange with studs to fit wheels and drums
- Optional mechanical gear disengagement on request

- Rotating housing
- Multiple ratios
- Integrated disc-brake

- Rotating housing
- Lifelong mechanical seals on request
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Multiple ratios
- Integrated disc-brake

TECHNICAL DATA

| Torque (Nm) | |
|-------------|--------|
| 603 W | 4.000 |
| 605 W | 7.000 |
| 606 W | 12.000 |
| 607 W | 17.000 |
| 609 W | 23.000 |

| Torque (Nm) | |
|-------------|--------|
| 706 C | 18.000 |
| 707 C | 26.000 |
| 709 C | 30.000 |
| 710 C | 36.000 |
| 711 C | 45.000 |
| 713 C | 60.000 |

| Torque (Nm) | |
|-------------|---------|
| F13A | 13.000 |
| FD20 | 20.000 |
| F30 | 30.000 |
| F40 | 40.000 |
| F55 | 55.000 |
| F80 | 80.000 |
| F100 | 100.000 |





4

GRADERS

Wheel drives

High performance, including high torque in a compact space with limited axial dimensions, is one of our portfolio's key benefits. These solutions include an optional disengagement device for towing the machine in an emergency.



600 Series

Wheel drives



BENEFITS

- Customized & compact design
- Resistant
- High performance

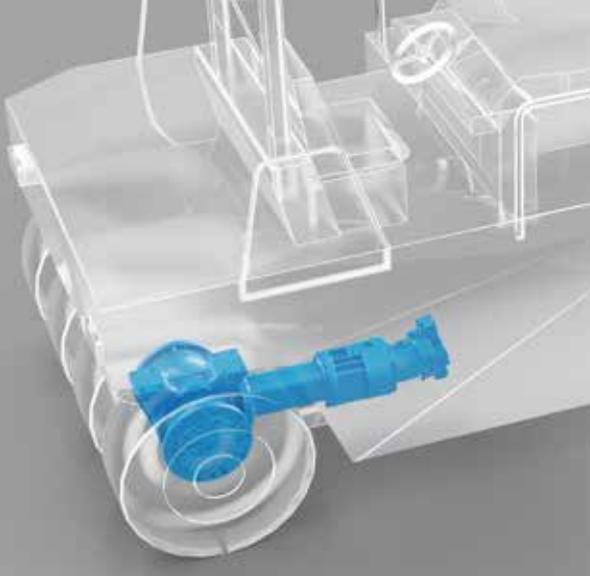
FEATURES

- High-speed clutch device

TECHNICAL DATA

Torque (Nm)

| | |
|--------|--------|
| 606 W2 | 15.000 |
|--------|--------|



5

PNEUMATIC TIRED ROLLERS

Wheel drives

With a series of reliable products, Bonfiglioli offers builders of pneumatic tired rollers the best possible choice of drive systems. High performance, including high torque in a compact space with limited axial dimensions, is one of our portfolio's key benefits.



600Y Series

Wheel drives



BENEFITS

- Customized & compact design
- Resistant
- High performance

FEATURES

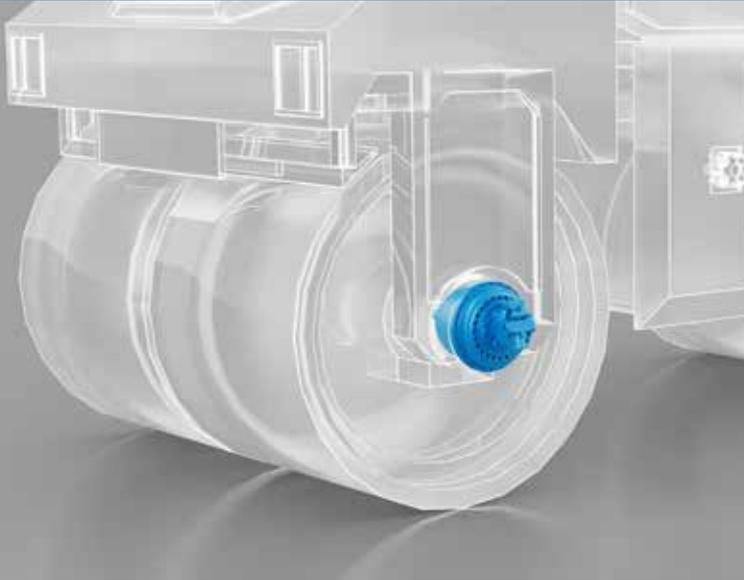
- Brake designed for
 - Parking
 - Emergency stops
 - Dynamic braking at low speed (inching)
- Cartridge axial piston hydraulic motors
- Flanged axial piston hydraulic motors

TECHNICAL DATA

Torque (Nm)

| | |
|--------|--------|
| 605 Y3 | 14.000 |
| 606 Y3 | 22.000 |





6

TANDEM VIBRATORY ROLLERS

Drum drives

Bonfiglioli supplies efficient solutions with integrated, high-performance hydraulic motors and low maintenance braking systems for tandem vibratory roller machines.



700C Series

Drum Drives



BENEFITS

- Compact design
- Designed for high-volume series applications

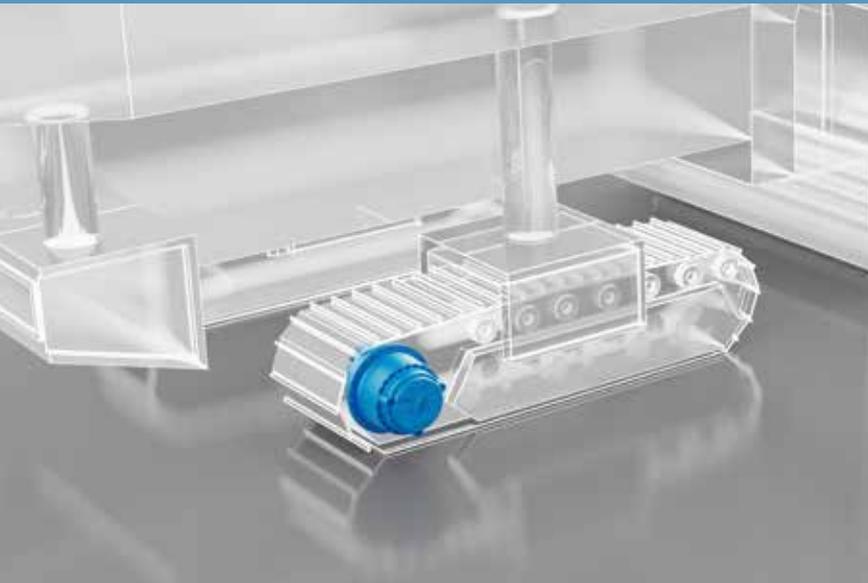
FEATURES

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request

TECHNICAL DATA

| Torque (Nm) | |
|-------------|--------|
| 700 C | 1.000 |
| 701 C | 2.200 |
| 703 C | 4.000 |
| 705 C | 10.000 |
| 706 C | 18.000 |
| 707 C | 26.000 |
| 709 C | 30.000 |
| 710 C | 36.000 |
| 711 C | 45.000 |
| 713 C | 60.000 |





7

COLD MILLING MACHINES

Wheel/Track drives

High performance, including high torque in a compact space with limited axial dimensions, is one of the key benefits of our wheeled drive portfolio.

Cutter drives

Bonfiglioli cutter drives are also designed to withstand harsh environments and can endure critical temperatures without any risk of breakage that typically occurs with cold milling machines.



700C Series

Track Drives



- Compact design
- Designed for high-volume series applications

BENEFITS

- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request

FEATURES

| Torque (Nm) | |
|-------------|--------|
| 705 C | 10.000 |
| 706 C | 18.000 |
| 707 C | 26.000 |
| 709 C | 30.000 |

TECHNICAL DATA



F Series

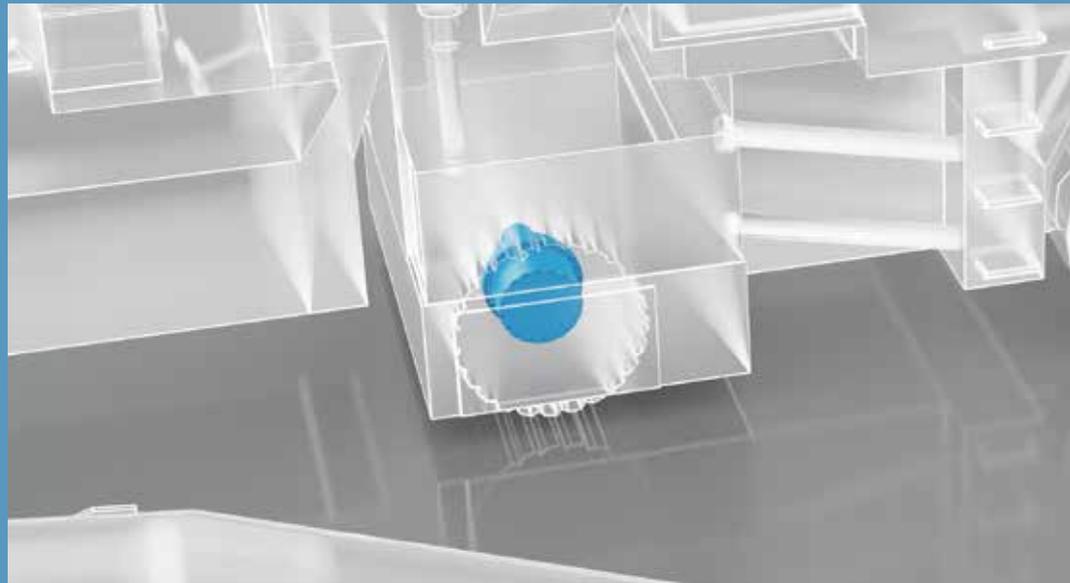
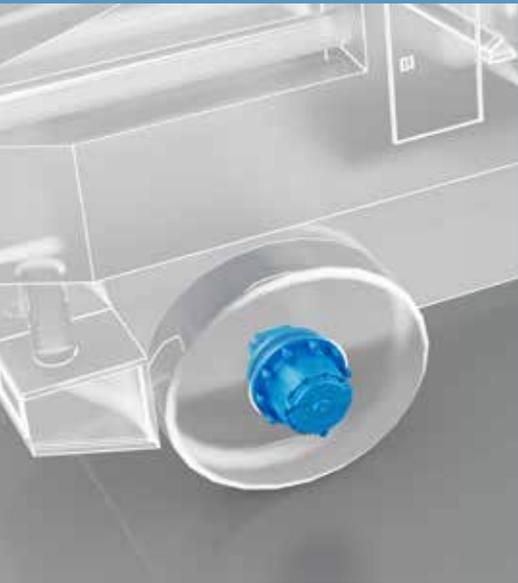
Track Drives



- Rugged design
- High torque & load capacity
- Integrated hydraulic motor on request

- Rotating housing
- Lifelong mechanical seals on request
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Multiple ratios
- Integrated disc-brake

| Torque (Nm) | |
|-------------|---------|
| F13A | 13.000 |
| FD20 | 20.000 |
| F30 | 30.000 |
| F40 | 40.000 |
| F55 | 55.000 |
| F80 | 80.000 |
| F100 | 100.000 |



600 Series

Wheel drives



- High torque capacity
- Rugged design



700C Series

Cutter Drives



- Optimized housing design
- Compact structure
- High performance



FA Series

Cutter Drives



- Modular design for easy maintenance
- Compact structure
- High performance

BENEFITS

FEATURES

- Rotating housing flange with studs to fit wheels and drums
- Optional mechanical gear disengagement on request

- Dual stage planetary reduction
- Integrated pulley support shaft with reinforced bearings
- Offset input available for increased cutting depth

- Optional two-speed shifting transmission
- Integrated disk-brake
- Notchless ground tooth root

TECHNICAL DATA

| | Torque (Nm) |
|-------|-------------|
| 603 W | 4.000 |
| 605 W | 7.000 |
| 606 W | 12.000 |
| 607 W | 17.000 |
| 609 W | 23.000 |
| 610 W | 30.000 |
| 611 W | 45.000 |
| 613 W | 60.000 |

| | Torque (Nm) |
|----------|-------------|
| 710 C2 H | 20.000 |
| 713 C2 H | 25.000 |
| 716 C2 H | 45.000 |

| | Torque (Nm) |
|--------|-------------|
| FA 30 | 8.500 |
| FA 40 | 12.000 |
| FA 55 | 16.000 |
| FA 80 | 23.000 |
| FA 100 | 32.000 |
| FA 130 | 38.000 |
| FA 180 | 47.000 |
| FA 200 | 52.000 |
| FA 360 | 84.000 |
| FA 800 | 115.000 |

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 18 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.



18

PRODUCTION SITES



23

COMMERCIAL SITES



80

COUNTRIES



550

DISTRIBUTORS



~4,700

PEOPLE

AUSTRALIA

Bonfiglioli Transmission (Aust.) Pty Ltd

2, Cox Place Glendenning NSW 2761
Locked Bag 1000 Plumpton NSW 2761
Tel. +61 2 8811 8000



BRAZIL

Bonfiglioli Redutores do Brasil Ltda

Av. Osvaldo Fregonezi, 171, cjs 31 e 44
CEP 09851-015 - São Bernardo do Campo
São Paulo
Tel. +55 11 4344 2322



CHINA

Bonfiglioli Drives (Shanghai) Co. Ltd.

#68, Hui-Lian Road, QingPu District,
201707 Shanghai
Tel. +86 21 6700 2000



Industry & Automation Solutions

#568, Longpan Road, Jiading District,
201707 Shanghai



Bonfiglioli Trading (Shanghai) Co. Ltd.

Room 423, 4th Floor, #38, Yinglun Road,
China (Shanghai) Pilot Free Trade Zone,
Shanghai



Selcom Electronics (Shanghai) Co., Ltd

A7, No.5399, Waiqingsong Road, QingPu
District,
201707 Shanghai
Tel. +86 21 6010 8100



A24, No.5399, Waiqingsong Road, QingPu

District,
201707 Shanghai
Tel. +86 21 6010 8100



FRANCE

Bonfiglioli Transmission S.A.S.

14 Rue Eugène Pottier
Zone Industrielle de Moimont II
95670 Marly la Ville
Tel. +33 1 34474510



GERMANY

Bonfiglioli Deutschland GmbH

Sperberweg 12 - 41468 Neuss
Tel. +49 0 2131 2988 0



Bonfiglioli Vectron GmbH

Europark Fichtenhain B6 - 47807 Krefeld
Tel. +49 0 2151 8396 0



O&K Antriebstechnik GmbH

Ruhrallee 8-12 - 45525 Hattingen
Tel. +49 0 2324 2050 1



INDIA

Bonfiglioli Transmission Pvt. Ltd.

Mobility & Wind Industries

AC 7 - 11, SIDCO Industrial Estate,
Thirumudivakkam
Kancheepuram - 600132 - Tamil Nadu
Tel. +91 844 844 8649



Industry & Automation Solutions

Survey No. 528/1, Perambakkam High Road
Mannur Village, Sriperumbudur Taluk
Kancheepuram - 602 105 - Tamil Nadu
Tel. +91 844 844 8649



Industry & Automation Solutions

Plot No E-5/2, Badhalwadi
Talegaon MIDC Phase II,
Pune - 410 507 - Maharashtra
Tel. +91 844 844 8649



Bonfiglioli Drive Systems Pvt. Ltd.

Industry & Automation Solutions

No 50, Pappambakkam Road,
Mannur Village, Sriperumbudur Taluk,
Kancheepuram - 602105 - Tamil Nadu
Tel. +91 844 844 8649



ITALY

Bonfiglioli Riduttori S.p.A.

Industry & Automation Solutions

Via Cav. Clementino Bonfiglioli, 1
40012 Calderara di Reno
Tel. +39 051 6473111



Industry & Automation Solutions

Via Sandro Pertini, lotto 7b
20080 Carpiano
Tel. +39 02985081



Industry & Automation Solutions

Via Saliceto, 15 - 40010 Bentivoglio



Mobility & Wind Industries

Via Enrico Mattei, 12 Z.I. Villa Selva
47122 Forlì
Tel. +39 0543 789111



Industry & Automation Solutions

Via Unione, 49 - 38068 Rovereto
Tel. +39 0464 443435/36



Selcom Group S.p.A.

Via Achille Grandi, 5
40013 Castel Maggiore (BO)
Tel. +39 051 6387111



Via Marino Serenari, 18
40013 Castel Maggiore (BO)
Tel. +39 051 6387111



Via Cadriano, 19
40057 Cadriano (BO)
Tel. +39 051 6387111



NEW ZEALAND

Bonfiglioli Transmission (Aust.) Pty Ltd

88 Hastie Avenue, Mangere Bridge,
2022 Auckland
PO Box 11795, Ellerslie
Tel. +64 09 634 6441



SINGAPORE

Bonfiglioli South East Asia Pte Ltd

8 Boon Lay Way, #04-09,
8@Tadehub 21, Singapore 609964
Tel. +65 6268 9869



SLOVAKIA

Bonfiglioli Slovakia s.r.o.

Robotnícka 2129
Považská Bystrica, 01701 Slovakia
Tel. +421 42 430 75 64



SOUTH AFRICA

Bonfiglioli South Africa Pty Ltd.

55 Galaxy Avenue, Linbro Business Park,
Sandton, Johannesburg
2090 South Africa
Tel. +27 11 608 2030



SPAIN

Tecnotrans Bonfiglioli S.A

Avinguda del Ferrocarril, n° 14,
Polígono Industrial Can Estapé
08755 Castellbisbal - Barcelona
Tel. +34 93 447 84 00



TURKEY

Bonfiglioli Türkiye Jsc

Atatürk Organize Sanayi Bölgesi,
10007 Sk. No. 30
Atatürk Organize Sanayi Bölgesi,
35620 Çiğli - İzmir
Tel. +90 0 232 328 22 77



UNITED KINGDOM

Bonfiglioli UK Ltd.

Unit 1 Calver Quay, Calver Road, Winwick
Warrington, Cheshire - WA2 8UD
Tel. +44 1925 852667



USA

Bonfiglioli USA Inc.

3541 Hargrave Drive
Hebron, Kentucky 41048
Tel. +1 859 334 3333



VIETNAM

Bonfiglioli Vietnam Co. Ltd.

Lot C-9D-CN, My Phuoc 3 Industrial Park,
Thoi Hoa ward, Ben Cat city, Binh Duong
province, Vietnam
Tel. +84 274 3577411





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.

HEADQUARTERS

Bonfiglioli S.p.A

Via Cav. Clementino Bonfiglioli, 1
40012 Calderara di Reno - Bologna (Italy)
Tel. +39 051 6473111

