



SOLUTIONS FOR

Construction
Industry





We engineer dreams



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Engineering Solutions



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Construction Industry

THE WIDEST RANGE OF SOLUTIONS FOR THE CONSTRUCTION INDUSTRY

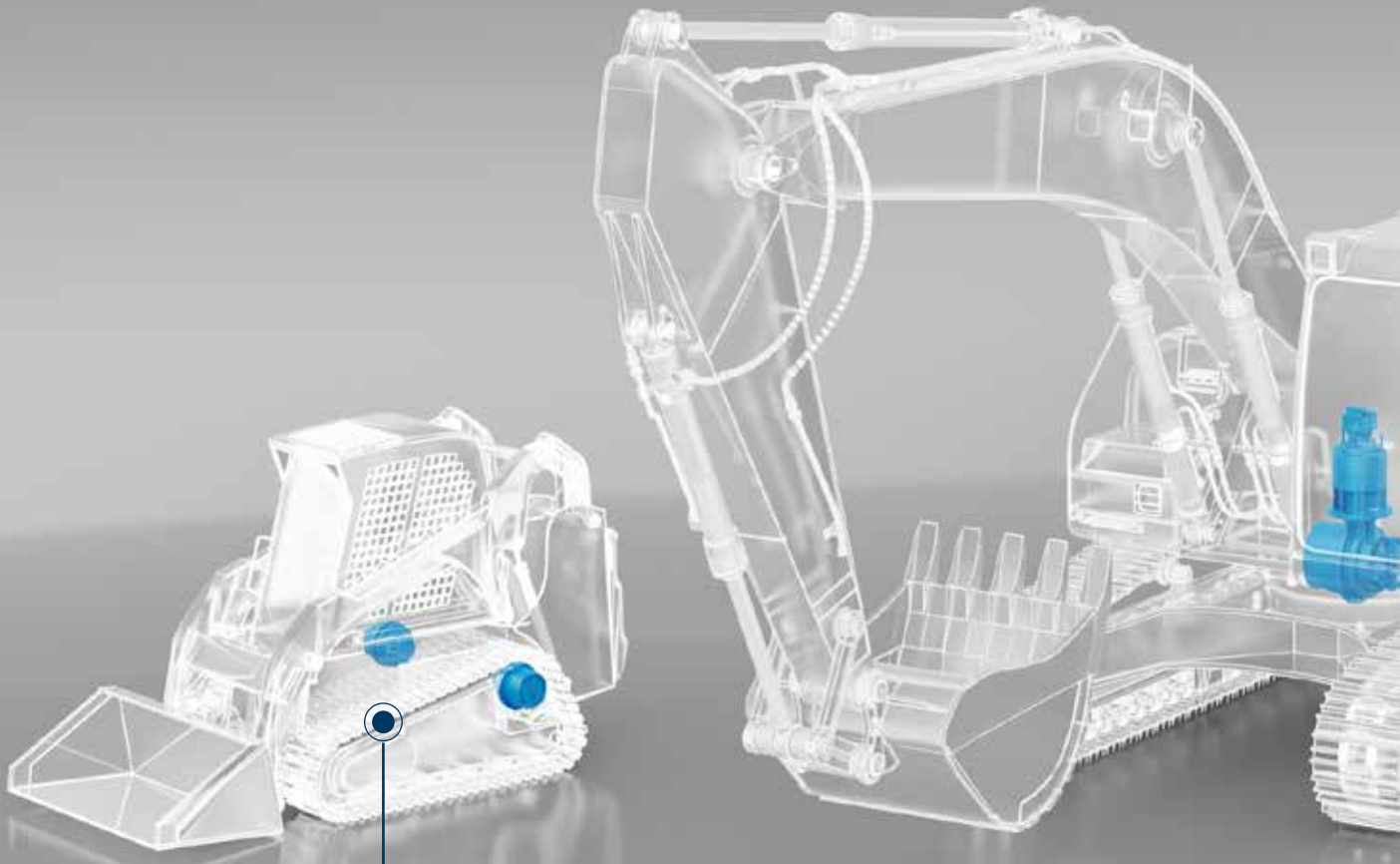
We have been enhancing construction equipment performance, efficiency, productivity and reliability for over 40 years. With experience working with the major players worldwide, our team of experts creates, designs and produces advanced technological solutions for a wide range of applications, including 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.

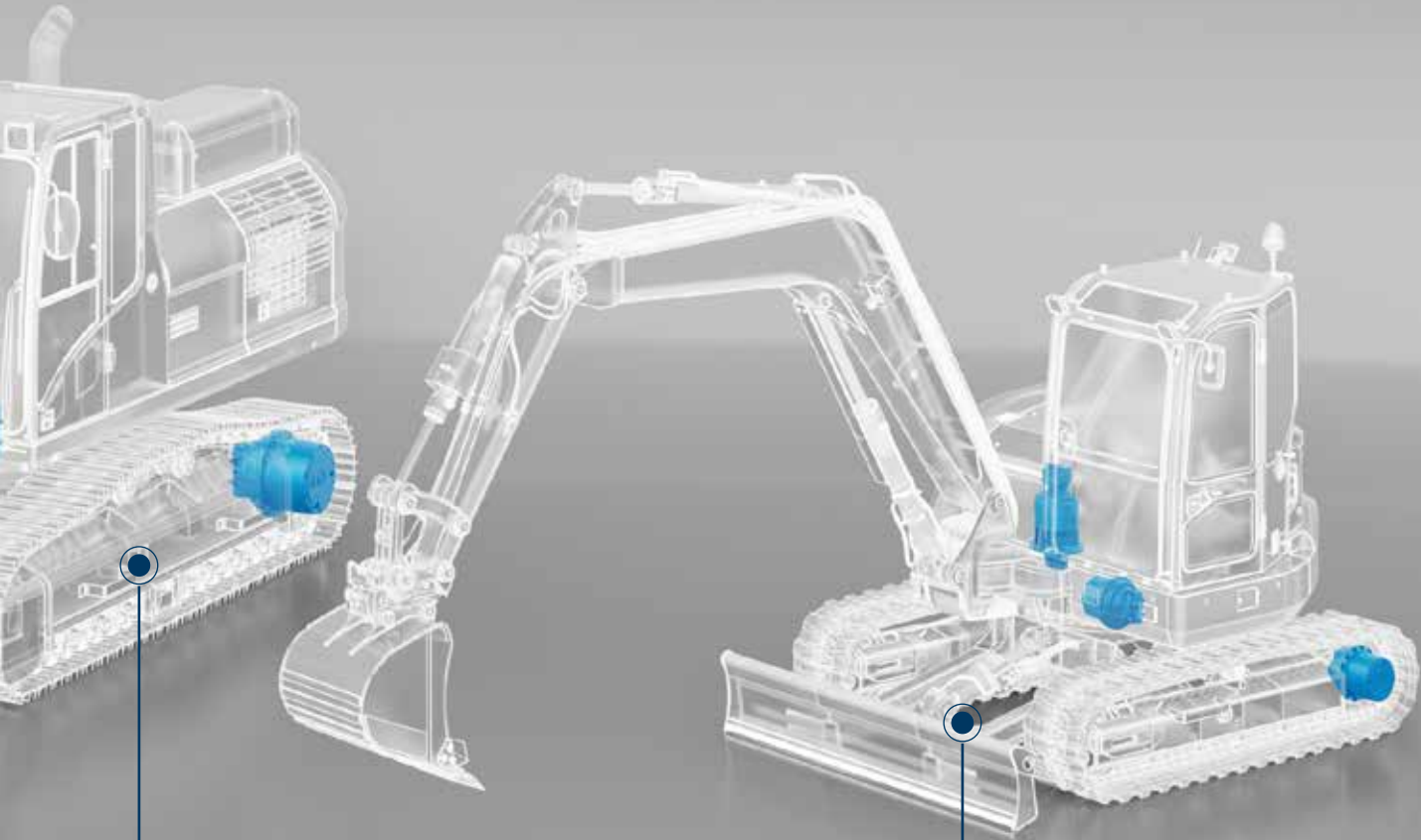
We are able to satisfy all application requirements for road construction and maintenance machinery, including milling machines, road compactors in all versions and road pavers. Each machine has its own specific structural and duty characteristics, which Bonfiglioli is well aware of, having over 40 years 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

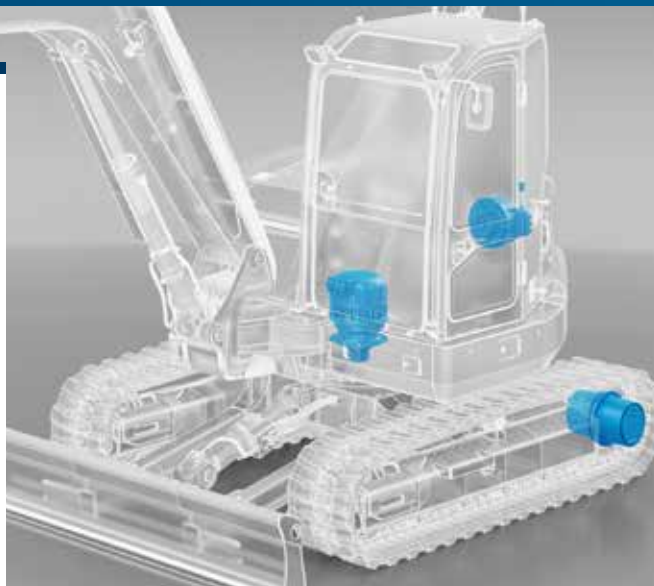
SOLUTIONS FOR Construction Industry

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



BPM 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

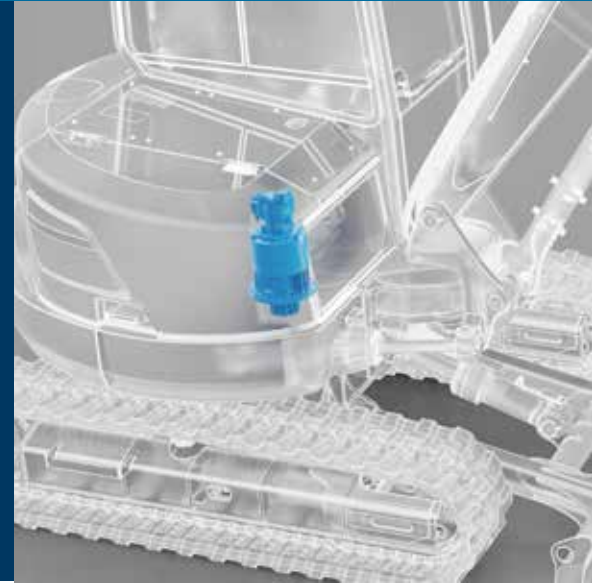
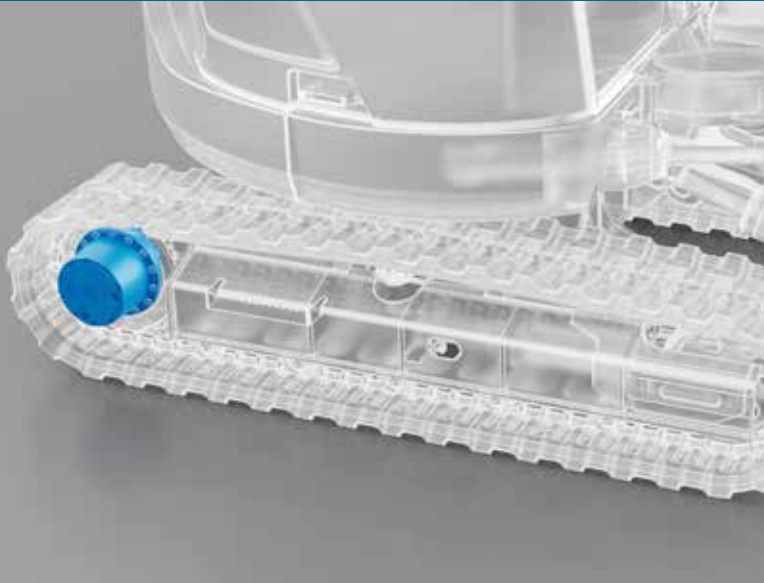
TECHNICAL DATA

	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	10.000

	Torque (Nm)
700 TE	750
701 TE	1.500
703 TE	2.500
705 TE	5.000

	Power S2-60' @ 48 V (kW)
BPM 200-L1	5
BPM 200-L2	8
BPM 200-L3	11
BPM 200-L4	16





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 CK	1.200
700-2 CK	1.900
701 CK	2.500
702 CK	3.500
704 CK	5.000

	Torque (Nm)
700 CP	1.200
700-2 CP	1.900
701 CP	2.500
702 CP	3.500
704 CP	5.000

	Torque (Nm)
700 TK	750
701 TK	1.500
703 TK	2.500

2

COMPACT TRACK LOADERS

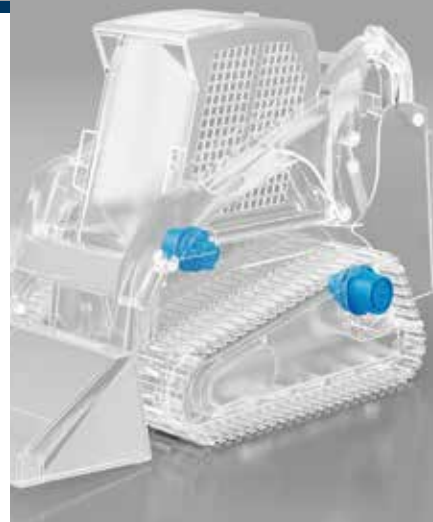
Track drives

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



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



700CTE Series

Track Drives



- 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

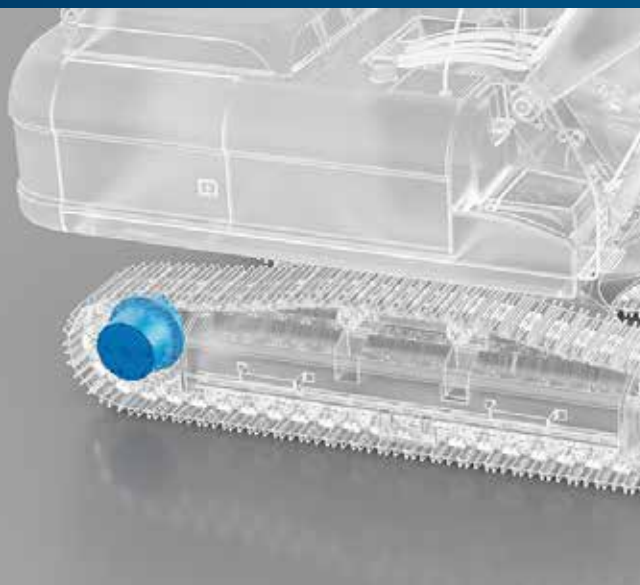
TECHNICAL DATA

Torque (Nm)	
704 CT	4.700
705 CT	6.500

Torque (Nm)	
704 CTE	4.700
705 CTE	6.500

Power S1 (kW)	
BPM 240-L4	30





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 CK	10.000
706 CK	18.000
707 CK	26.000
709 CK	30.000
710 CK	36.000
710 CK	40.000
713 C	60.000
715 C	85.000
716 C	100.000
718 C	180.000
720 C	220.000



F Series

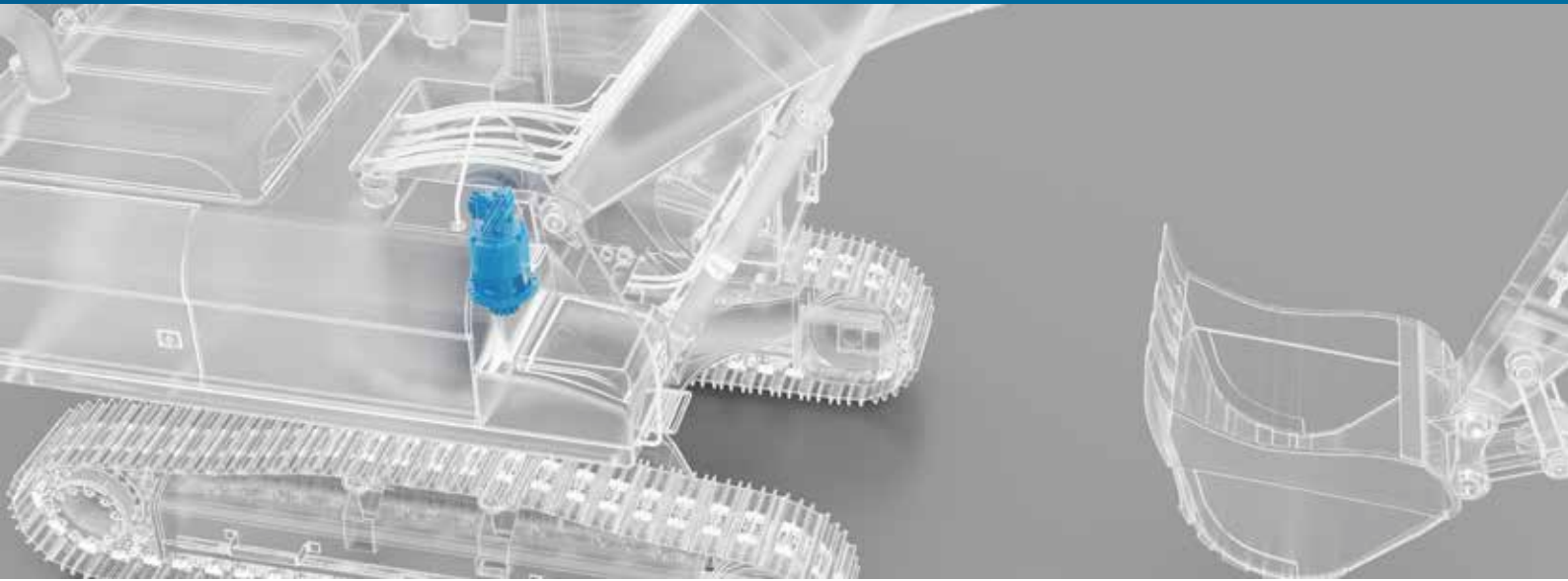
Track Drives



- 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
F180	180.000
F220	220.000
F260	260.000
F280	280.000
F360	360.000
F420	420.000
F620	620.000
F800	800.000
F1100	1.100.000
F1300	1.300.000
F1700	1.700.000
F2000	2.000.000
F2200	2.200.000
F3000	3.000.000



700T & 700TK 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
- Fitting for hydraulic and electric motors

TECHNICAL DATA

	Torque (Nm)
703 T	2.500
705 T	5.000
706 T	7.500
707 T	10.000
709 T	13.000
710 T	15.000
711 T	21.000
712 T	25.000
713 T	30.000



S Series

Slew Drives



- Compact structure
- High performance

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

Torque (Nm)		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

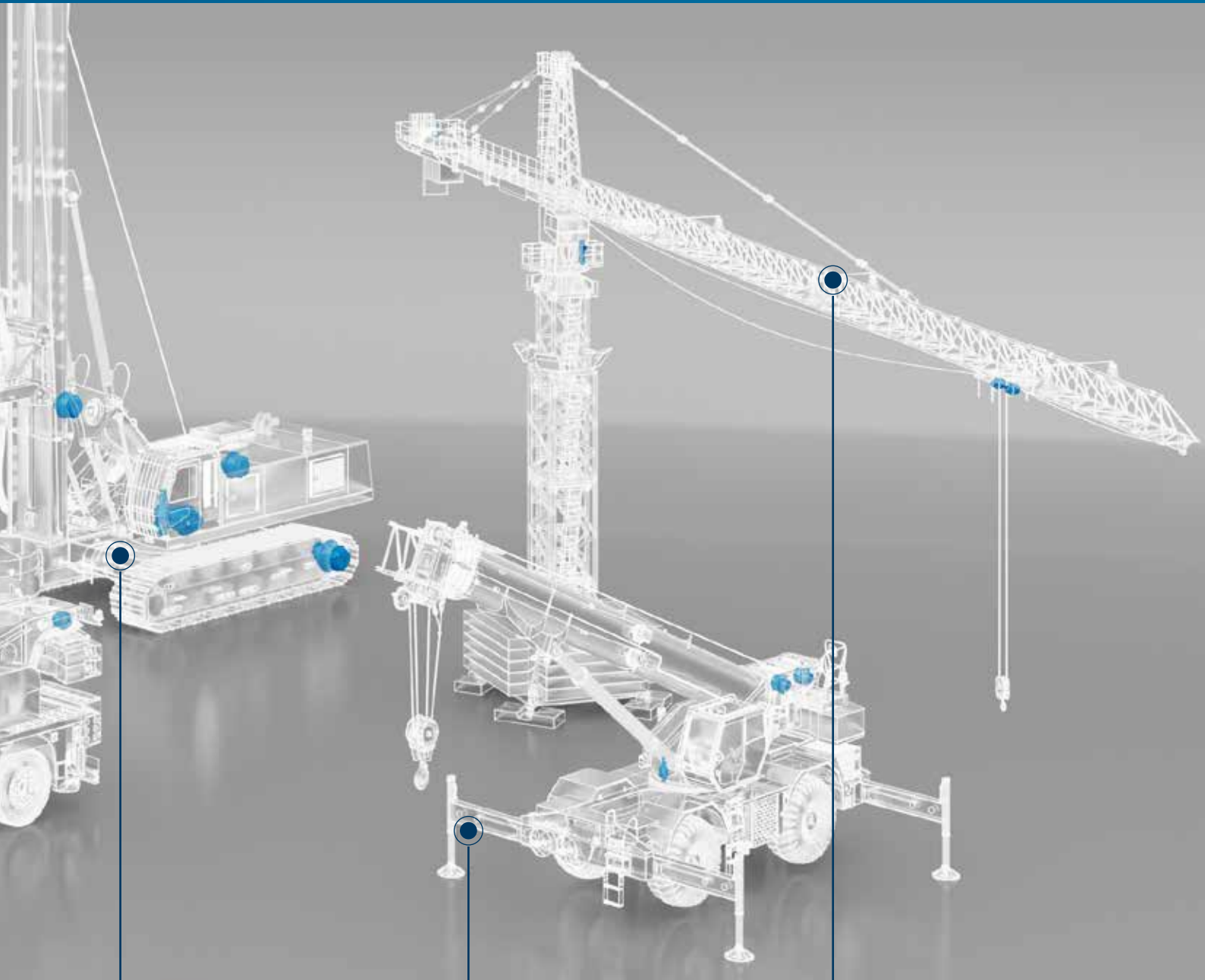
SOLUTIONS FOR Construction Industry



6 CRUSHERS &
SCREENERS

4 CRAWLER CRANES

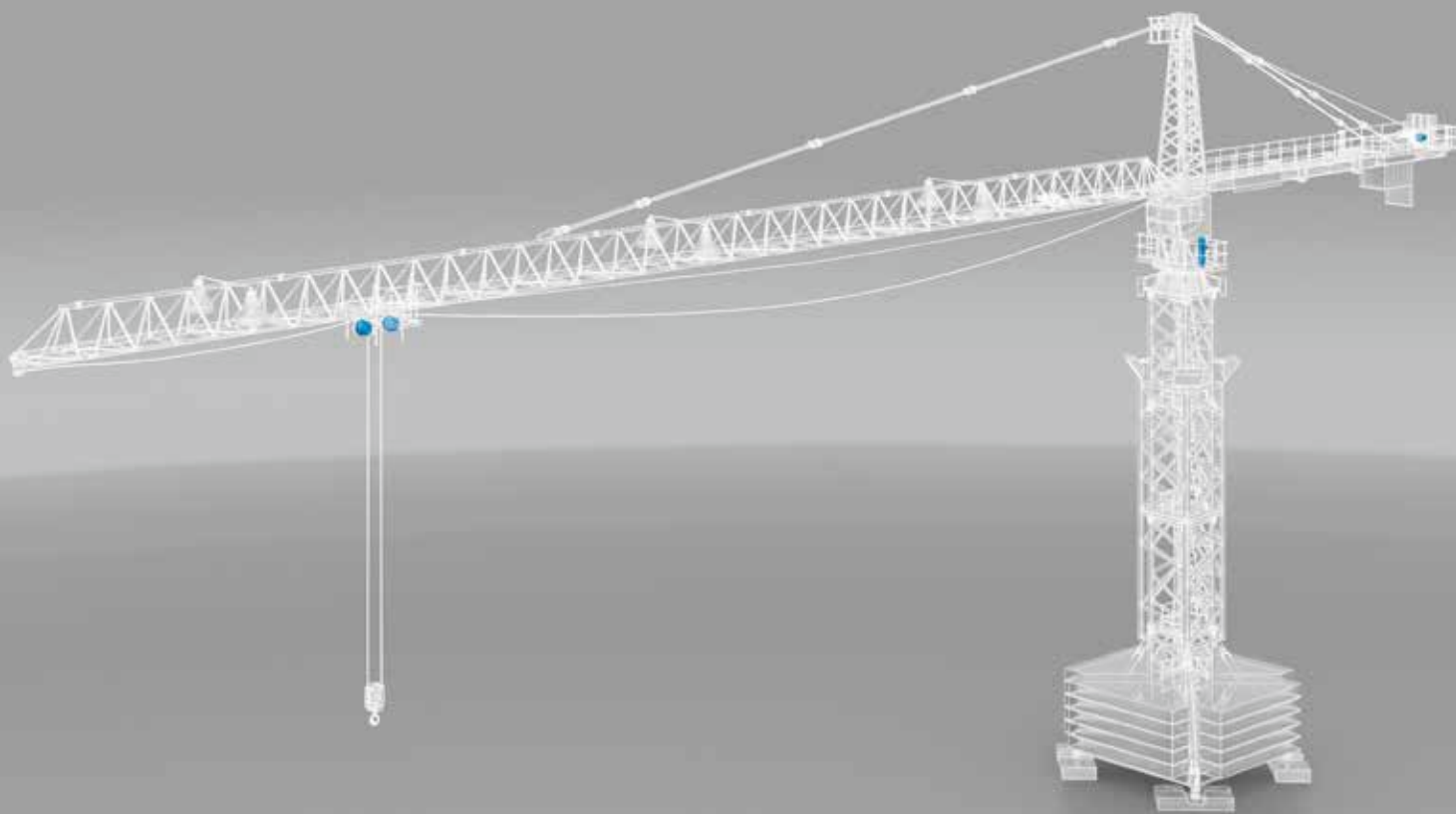
3 TRUCK-MOUNTED
CRANES



5 DRILLING MACHINES

2 ROUGH TERRAIN
CRANES

1 BUILDING CRANES



1

BUILDING CRANES

Slew drives

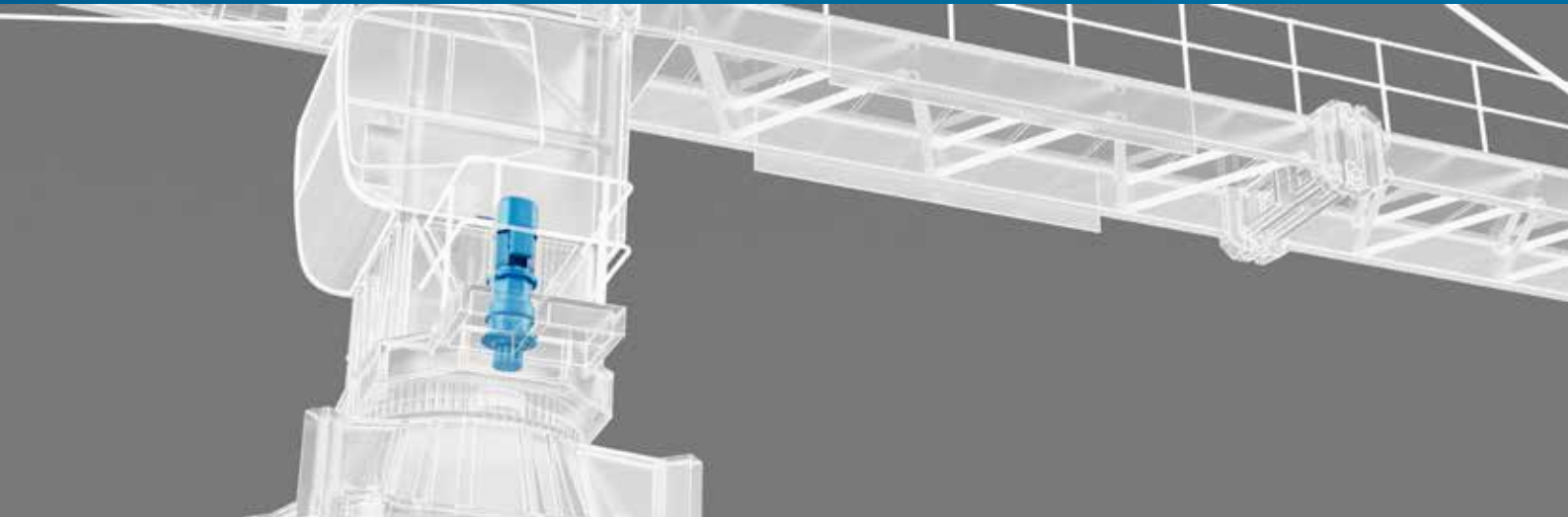
Bonfiglioli slew drives provide the safest, most effective solution for building cranes. With its long-established experience, Bonfiglioli supplies robust and reliable products that meet all customer's needs.

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

TECHNICAL DATA

	Torque (Nm)
700 T	1.000
701 T	2.000
703 T	2.800
705 T	6.000
706 T	10.000
707 T	15.000
709 T	20.000
710 T	30.000
711 T	35.000



ACU-H Series

Customized inverters

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

- 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

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

- 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)

SOLUTIONS FOR Construction Industry



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

- 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

- Power from 0.25 to 400 kW
- Soft lifting and braking
- Specific hoisting responsiveness
- Floating load
- Load detection
- Broken cable detection

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

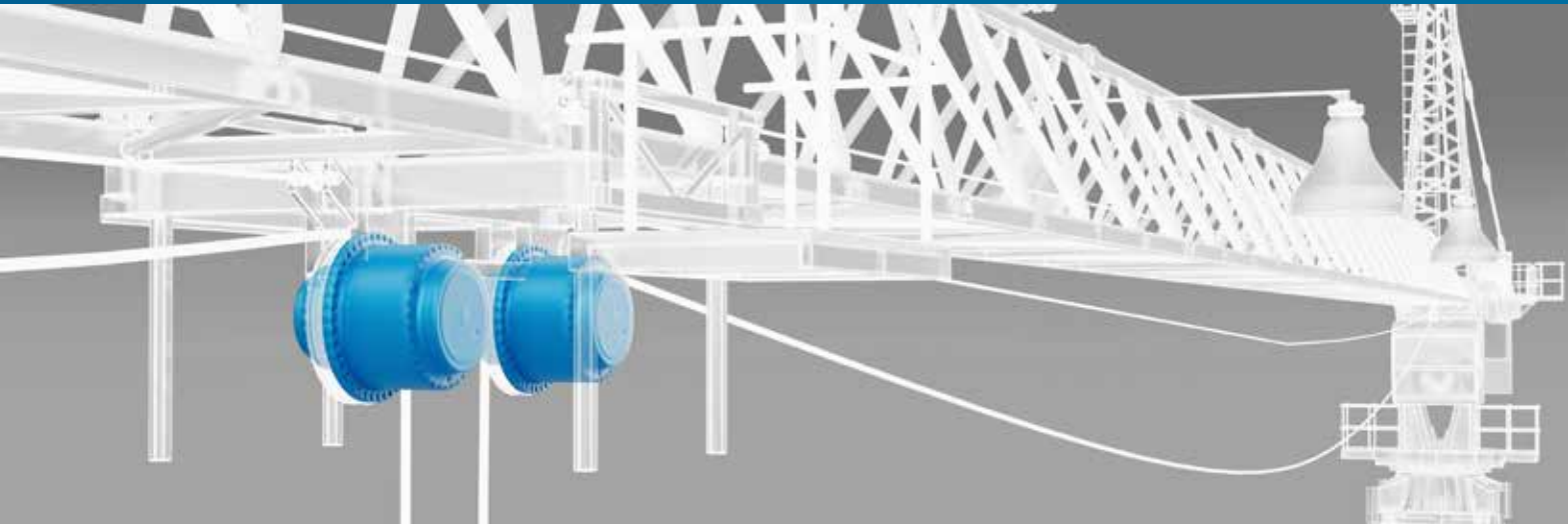
Max torque values depend on ratio and linear or angular configuration, for specific selections contact Bonfiglioli

Max Torque (Nm) up to

705 C	4.800
706 C	9.500
707 C	19.000
709 C	23.000
710 C	29.000
711 C	32.000
713 C	45.000
715 C	55.000
716 C	76.000
717 C	95.000
718 C	105.000
720 C	174.000
722 C	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



A Series
Trolley & lifting drives



ACU-H Series
Customized inverters

BENEFITS

- 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

FEATURES

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

- Extended motor brake lifetime

- Power from 0.25 to 400 kW
- Precise sensorless control



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	707 T	15.000
701 T	2.000	709 T	20.000
703 T	2.800	710 T	30.000
705 T	6.000	711 T	35.000
706 T	10.000		



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	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



700C Series

Winch drives



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

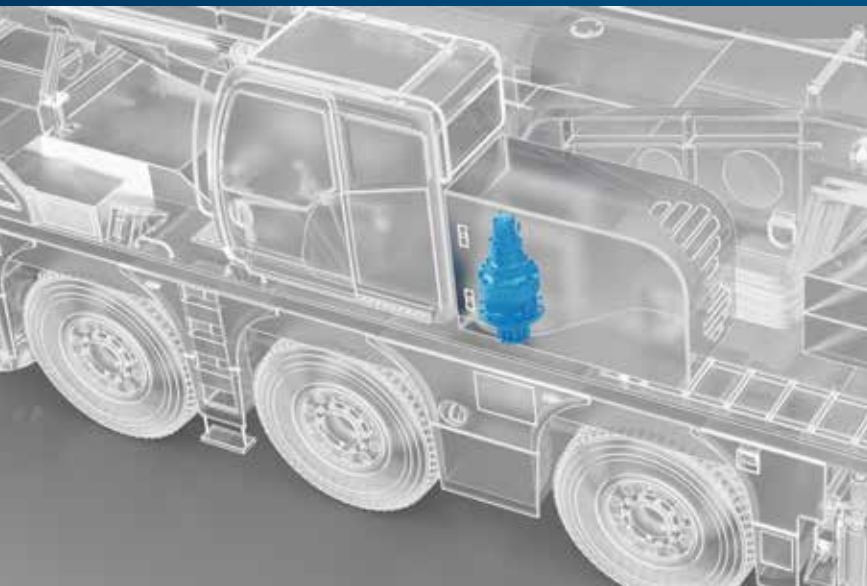
TECHNICAL DATA

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





3

TRUCK-MOUNTED CRANES

Sleew drives

Bonfiglioli sleew 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 Sleew Drives



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	2.000
703 T	2.800
705 T	6.000
706 T	10.000
707 T	15.000
709 T	20.000
710 T	30.000
711 T	35.000



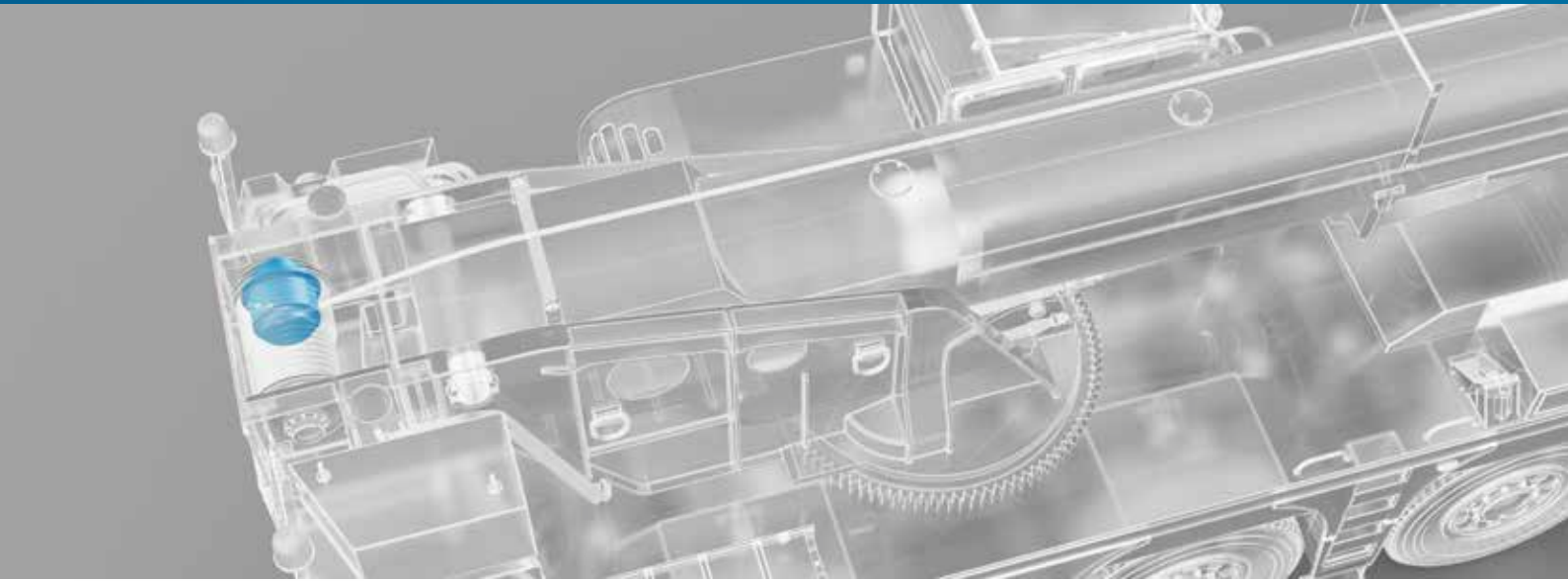
S Series Sleew Drives



- 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

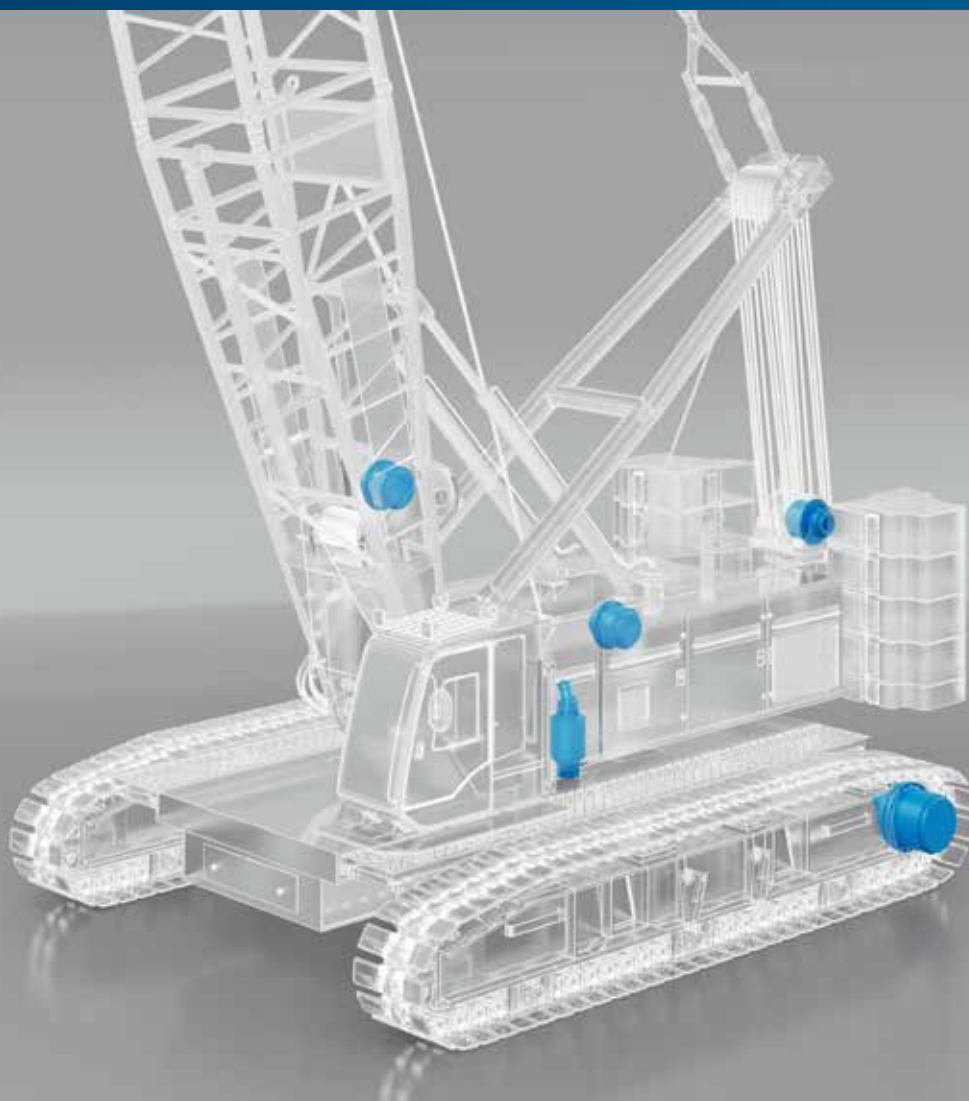
- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request
- Special paint on request

TECHNICAL DATA

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

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

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





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	707 T	15.000
701 T	2.000	709 T	20.000
703 T	2.800	710 T	30.000
705 T	6.000	711 T	35.000
706 T	10.000		

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

TECHNICAL DATA

Torque (Nm)	
706 C	18.000
707 C	30.000
709 C	35.000
710 C	40.000
711 C	50.000
713 C	65.000

715 C	100.000
716 C	120.000
717 C	160.000
718 C	190.000
720 C	240.000
722 C	380.000



F Series

Track Drives

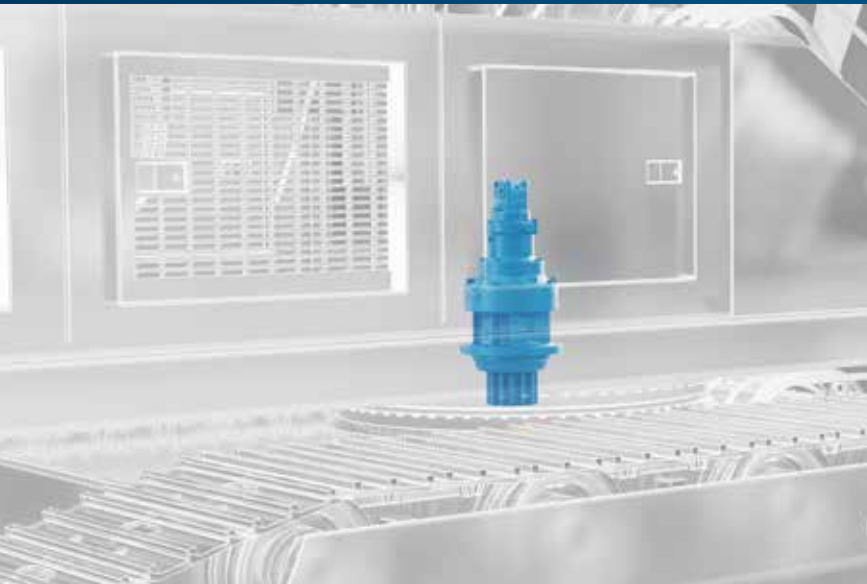


- Rugged design
- High torque & load capacity
- Integrated hydraulic motor on request

- 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
F360	360.000
F440	440.000
F620	620.000

F800	800.000
F1100	1.100.000
F1300	1.300.000
F1700	1.700.000
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



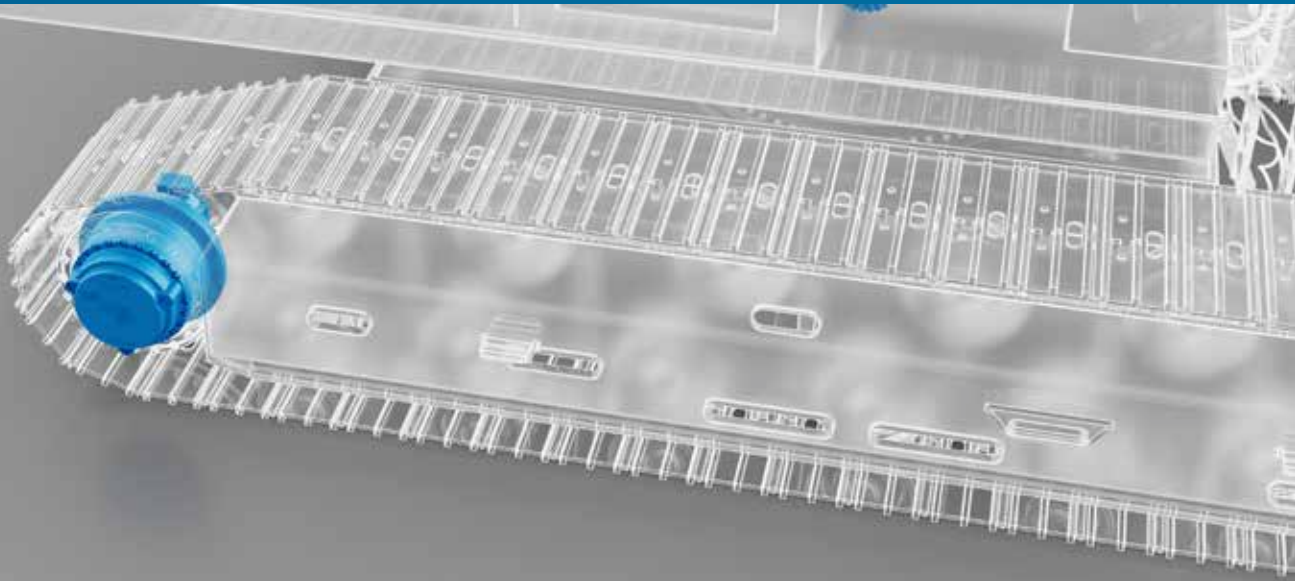
- Compact structure
- High performance

- 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	2.000
703 T	2.800
705 T	6.000
706 T	10.000
707 T	15.000
709 T	20.000
710 T	30.000
711 T	35.000

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 C	18.000
707 C	30.000
709 C	35.000
710 C	40.000
711 C	50.000
713 C	65.000
715 C	100.000
716 C	120.000
717 C	160.000
718 C	190.000
720 C	240.000
722 C	380.000

	Torque (Nm)
701 CK	2.500
702 CK	3.500
704 CK	5.000
705 CK	10.000
706 CK	18.000
707 CK	26.000
709 CK	30.000
710 CK	36.000

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

SOLUTIONS FOR Construction Industry



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

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

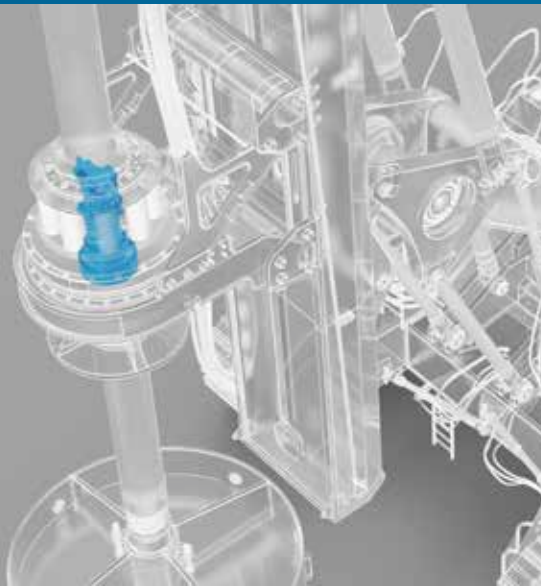
	Max Torque (Nm) up to
705 C	4.800
706 C	9.500
707 C	19.000
709 C	23.000
710 C	29.000
711 C	32.000
713 C	45.000
715 C	55.000
716 C	76.000
717 C	95.000
718 C	105.000
720 C	174.000
722 C	249.000

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





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

Rotary head 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 M	40.000
307	12.500	313 M	55.000
309	18.000	314 M	80.000
310 M	25.000	315 M	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

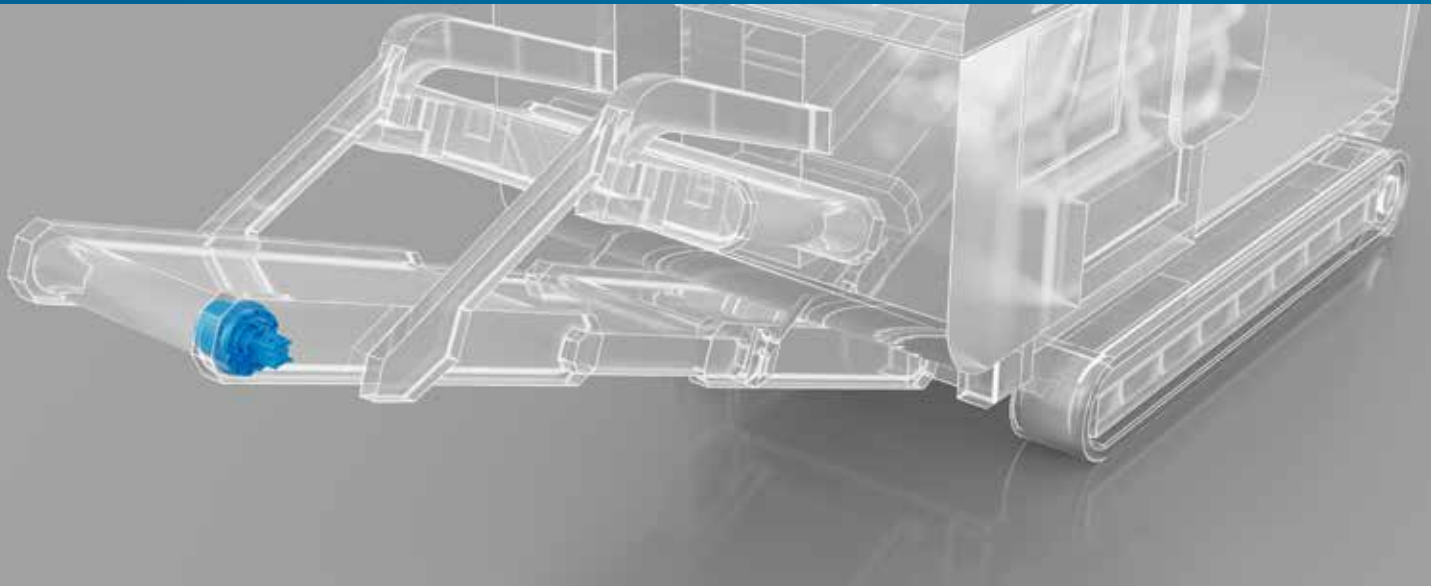
- Permanent magnet motors
- Suitable for 400 - 700Vdc batteries
- Liquid-cooled
- Aluminum or cast iron housing
- Protection rating >IP67

TECHNICAL DATA

	Torque (Nm)
706 C	26.000
707 C	40.000
709 C	45.000
710 C	50.000
711 C	62.000
713 C	85.000
715 C	130.000
716 C	150.000
717 C	180.000
718 C	240.000
720 C	305.000

	Torque (Nm)
707 CE	40.000
709 CE	45.000
710 CE	50.000
711 CE	62.000
713 CE	85.000

	Power S1 (kW)
BPM 240-L4	30
BPM 240-L7	46
BPM 300-L8	110



F Series Track Drives



BENEFITS

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



800 Series Conveyor Drives



- High torque capacity
- High load capacity

FEATURES

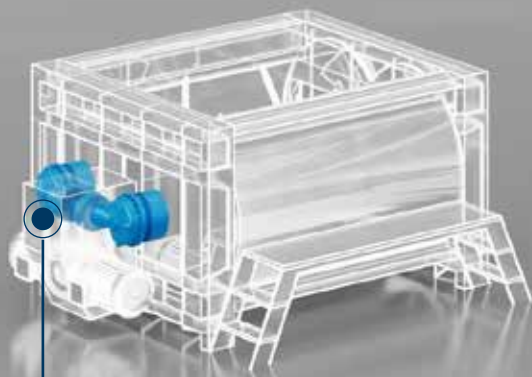
- Rotating housing
- Lifelong mechanical seals on request
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Multiple ratios
- Integrated disc-brake

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

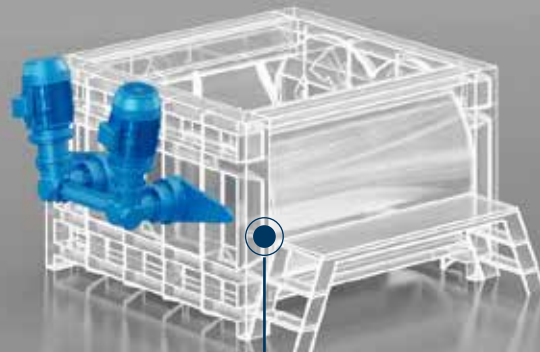
TECHNICAL DATA

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

	Torque (Nm)
805	5.000
806	10.000

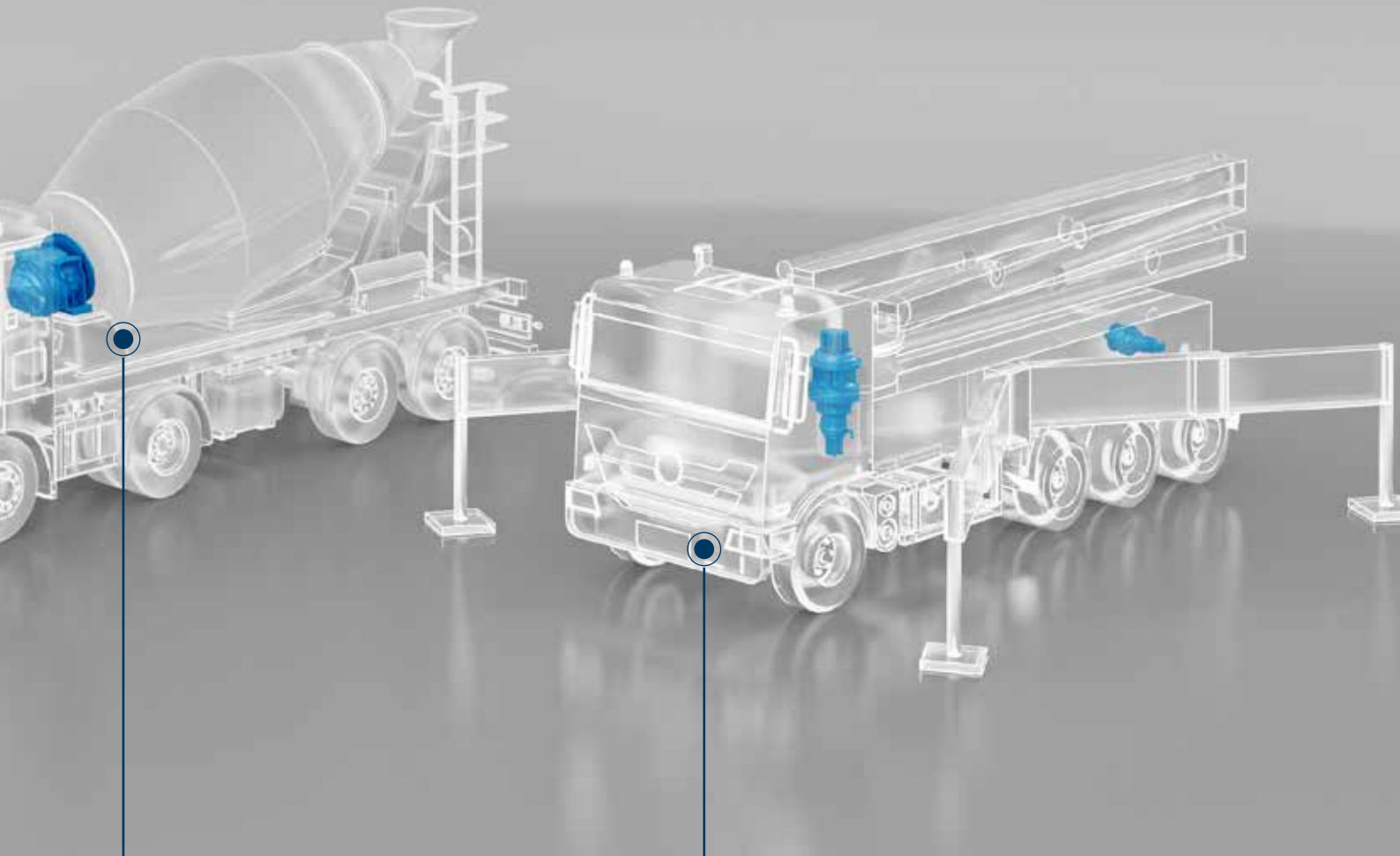


1 CONCRETE MIXERS



2 ASPHALT MIXERS





4 TRANSIT MIXER TRUCKS

3 TRUCK-MOUNTED CONCRETE PUMPS

SOLUTIONS FOR Construction Industry

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

- 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

TECHNICAL DATA

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

	Torque (Nm)
HDO 100	28.000
HDO 110	32.000
HDO 120	41.000
HDO 125	49.000
HDO 130	70.000
HDO 140	87.000
HDO 150	118.000
HDO 160	147.000
HDO 170	190.000
HDO 180	210.000



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



BENEFITS

- 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.

FEATURES

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

TECHNICAL DATA

	Torque (Nm)
305	5.000
306	8.500
307	12.500
309	18.000
310 M	25.000
311 M	40.000
313 M	55.000
314 M	80.000



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)
HDO 100	28.000
HDO 110	32.000
HDO 120	41.000
HDO 125	49.000
HDO 130	70.000
HDO 140	87.000
HDO 150	118.000
HDO 160	147.000
HDO 170	190.000
HDO 180	210.000



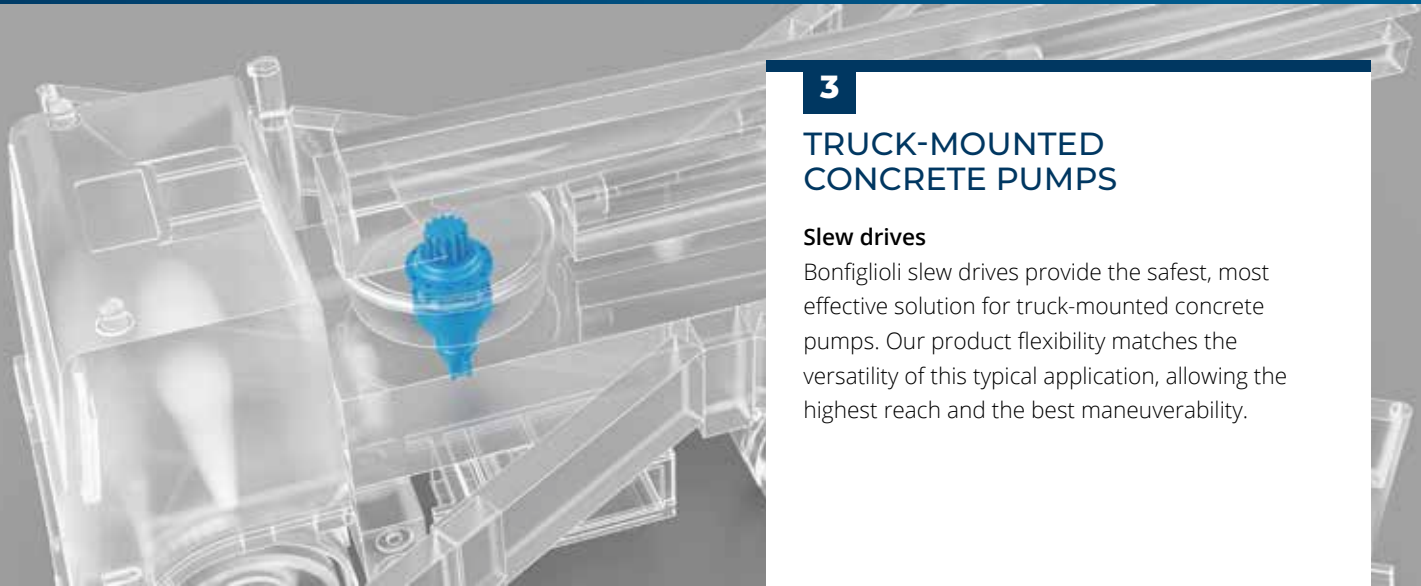
Active Cube Series

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

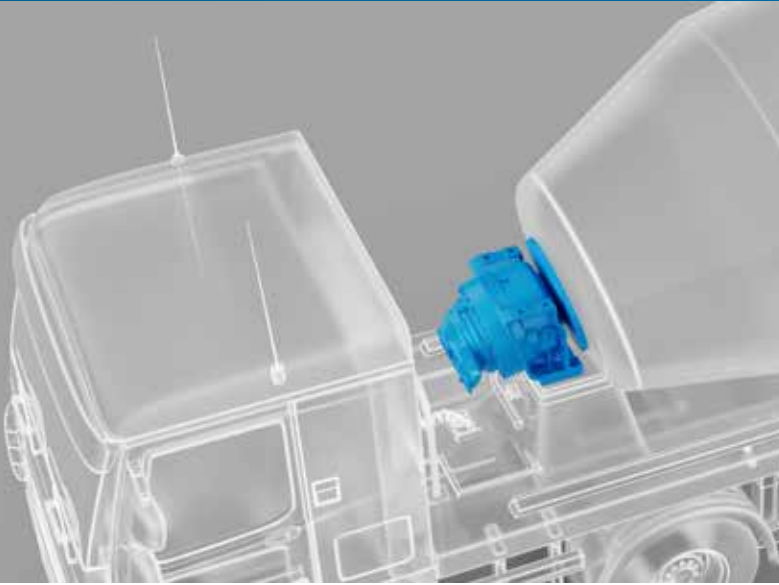
Torque (Nm)	
700 T	1.000
701 T	2.000
703 T	2.800
705 T	6.000
706 T	10.000
707 T	15.000
709 T	20.000
710 T	30.000
711 T	35.000

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

TECHNICAL DATA

	Torque (Nm) / Concrete Mixer capacity (m ³)
501	3.000 / 1
564	12.000 / 2-3
565	12.000 / 2-3
567	20.000 / 4-5
568	20.000 / 4-5
575	50.000 / 6-8
577	60.000 / 8-10
580	75.000 / 10-14



500 Series

Drum drives

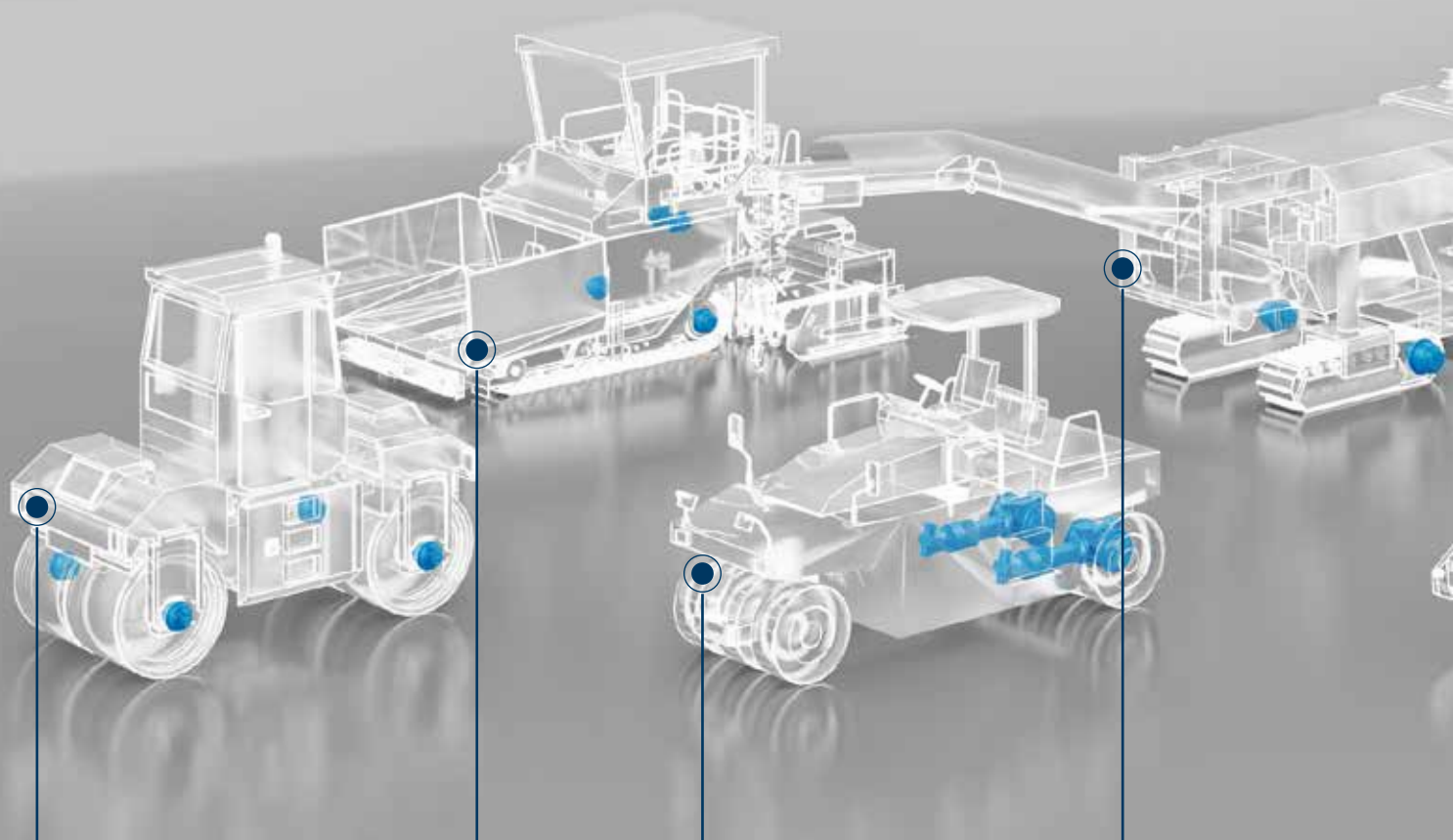


- Enhanced operational reliability
- Reduced maintenance costs
- Increased energy efficiency and low fuel consumption
- Low operating noise levels

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

	Torque (Nm) / Concrete Mixer capacity (m ³)
575	50.000 / 6-8
577	60.000 / 8-10
580	75.000 / 10-14

SOLUTIONS FOR Construction Industry

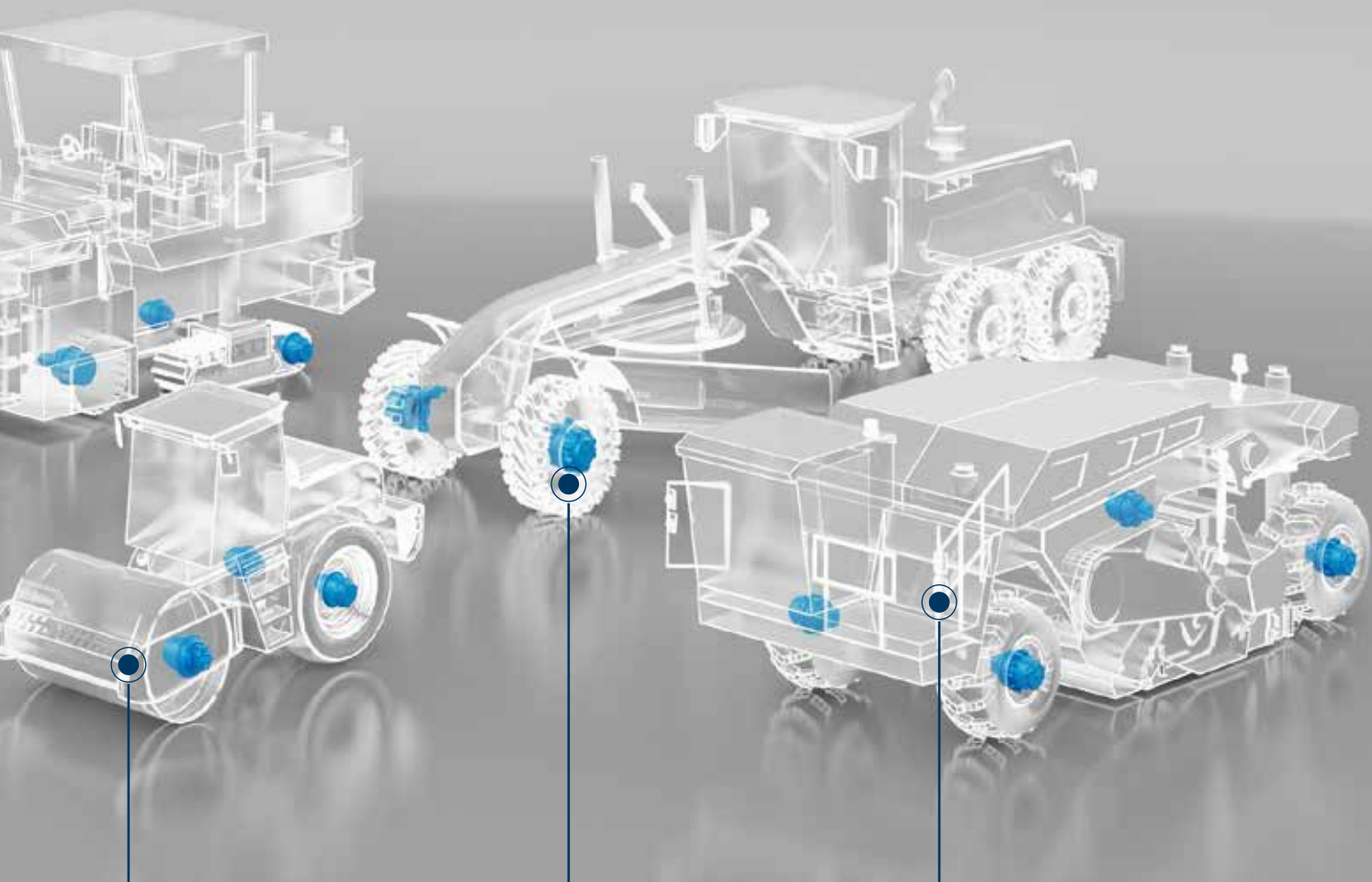


6 TANDEM
VIBRATORY
ROLLERS

1 PAVERS

5 PNEUMATIC
TYRED 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
- 2 speed gearbox (optional)

- 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)
705 C	10.000
706 C	18.000
707 C	26.000
709 C	30.000
710 C	40.000
711 C	55.000
713 C	60.000

	Torque (Nm)
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 >IP67

TECHNICAL DATA

	Torque (Nm)
707 CE	26.000
709 CE	30.000
710 CE	40.000
711 CE	55.000
713 CE	60.000

	Power S1 (kW)
BPM 240-L4	30
BPM 240-L7	46
BPM 300-L8	110



SOLUTIONS FOR Construction Industry



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.



600WE 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

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

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 >IP67

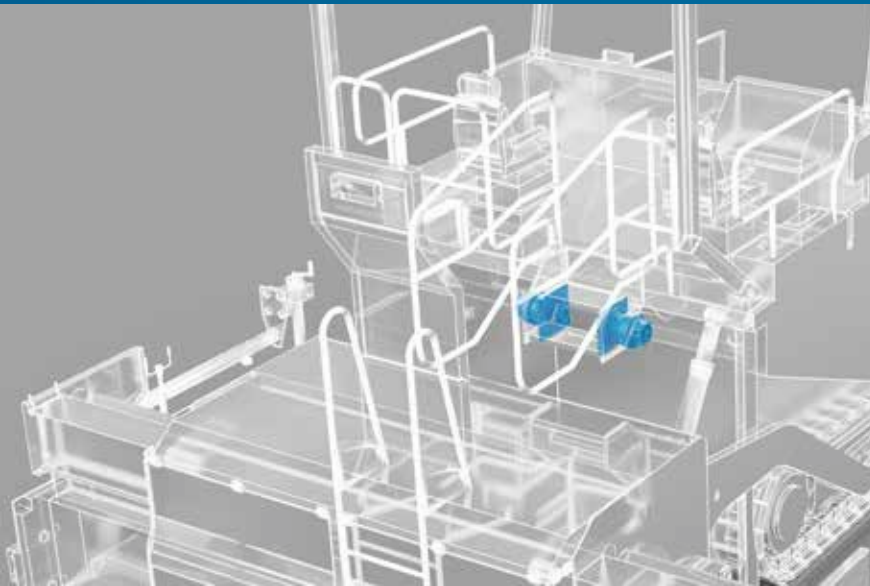
TECHNICAL DATA

	Torque (Nm)
605 WE	10.000
606 WE	18.000
607 WE	26.000
609 WE	30.000
610 WE	40.000
611 WE	55.000

	Power S1 (kW)
BPM 240-L4	30
BPM 240-L7	46
BPM 300-L8	110

	Torque (Nm)
606W3/4	18.000
610W2/3	40.000
611W2/3	55.000





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

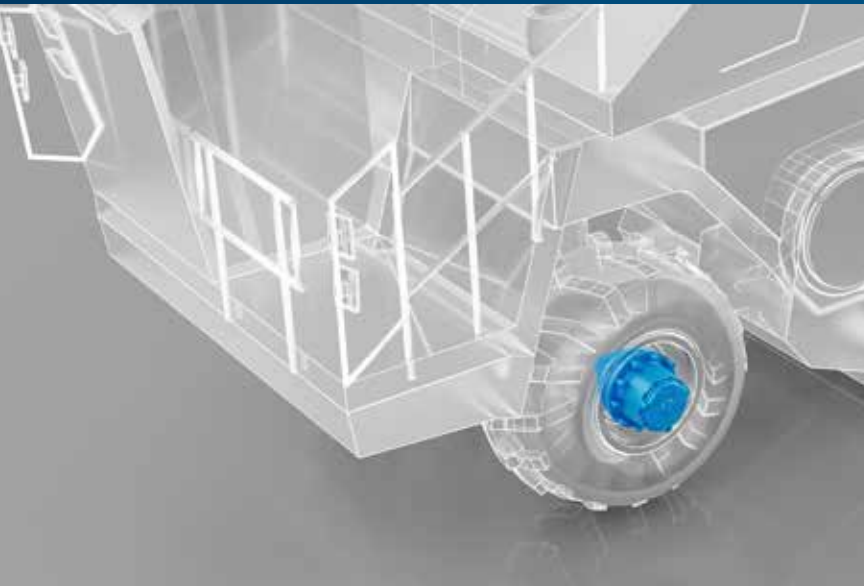
- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request

TECHNICAL DATA

	Torque (Nm)
301	1.750
303	2.500
304	3.600
305	5.000
306	8.500

	Torque (Nm)
704 T	3.500
705 T	5.600





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		40.000
611 W		55.000

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



700C Series

Drum 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

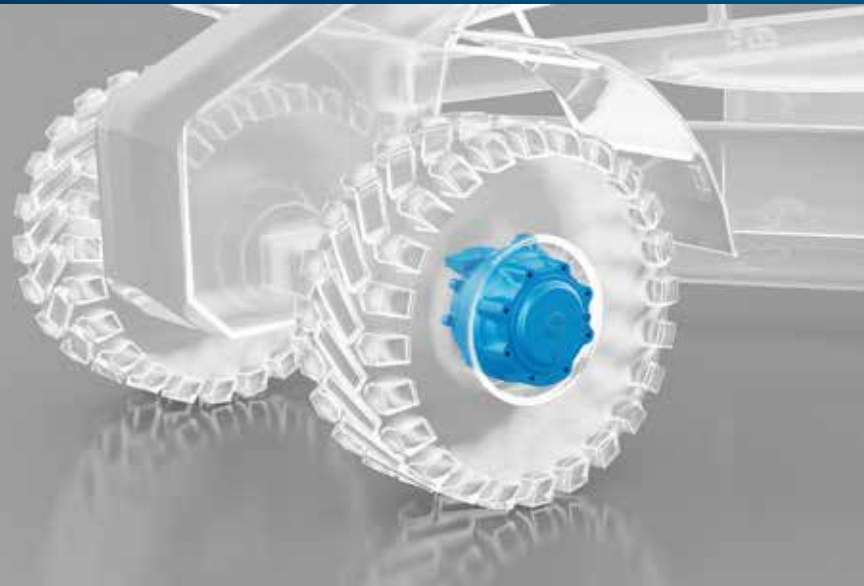
TECHNICAL DATA

	Torque (Nm)
605 W	8.000
606 W	18.000
607 W	26.000
609 W	30.000

	Torque (Nm)
705 C	9.000
706 C	18.000
707 C	26.000
709 C	30.000
710 C	40.000
711 C	55.000
713 C	60.000

	Torque (Nm)
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

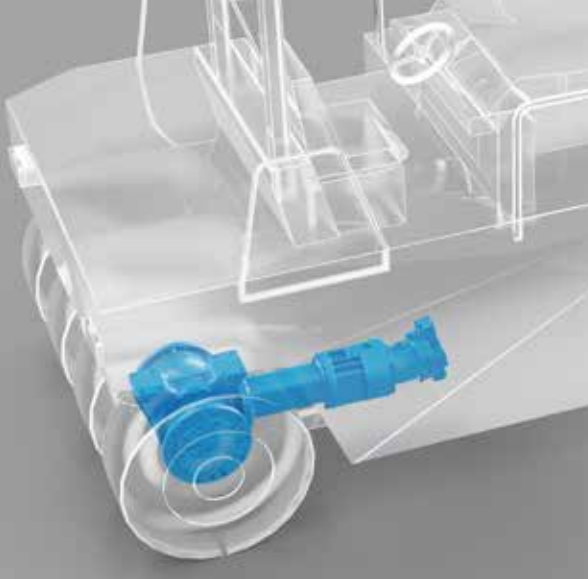
- Customized & compact design
- Resistant
- High performance

FEATURES

- High-speed clutch device

TECHNICAL DATA

Torque (Nm)	
606 W	13.000



5

PNEUMATIC TYRED ROLLERS

Wheel drives

With a series of reliable products, Bonfiglioli offers builders of pneumatic tyred 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

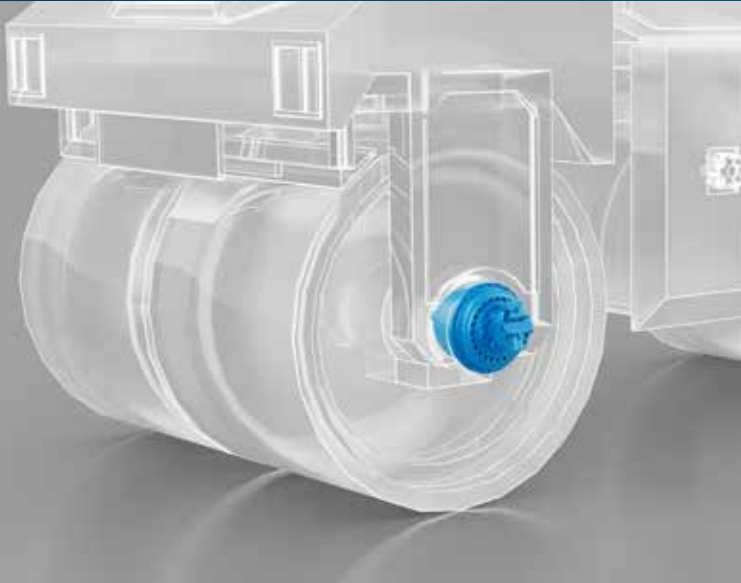
- Customized & compact design
- Resistant
- High performance

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		20.000



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

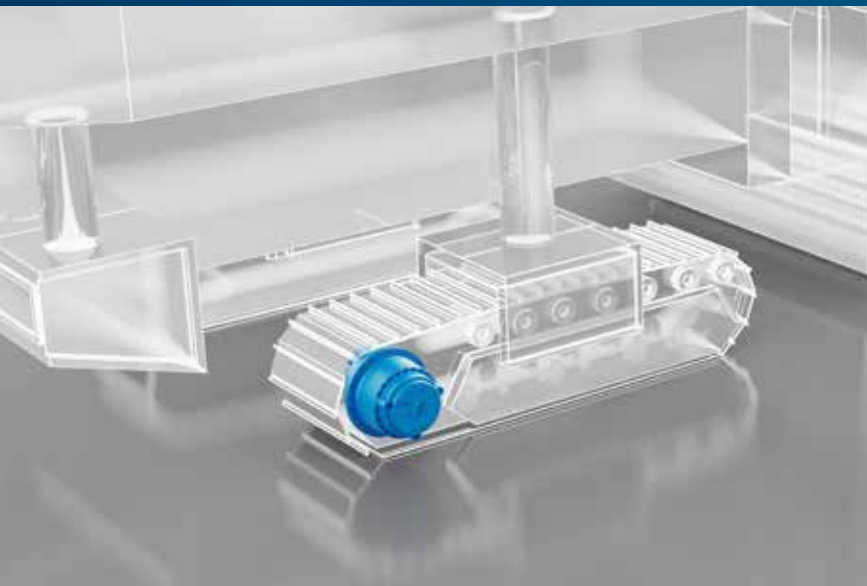
FEATURES

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

TECHNICAL DATA

	Torque (Nm)
701 C	2.500
703 C	3.500
705 C	9.000
706 C	18.000
707 C	26.000
709 C	30.000
710 C	40.000





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



F Series

Track Drives



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

BENEFITS

FEATURES

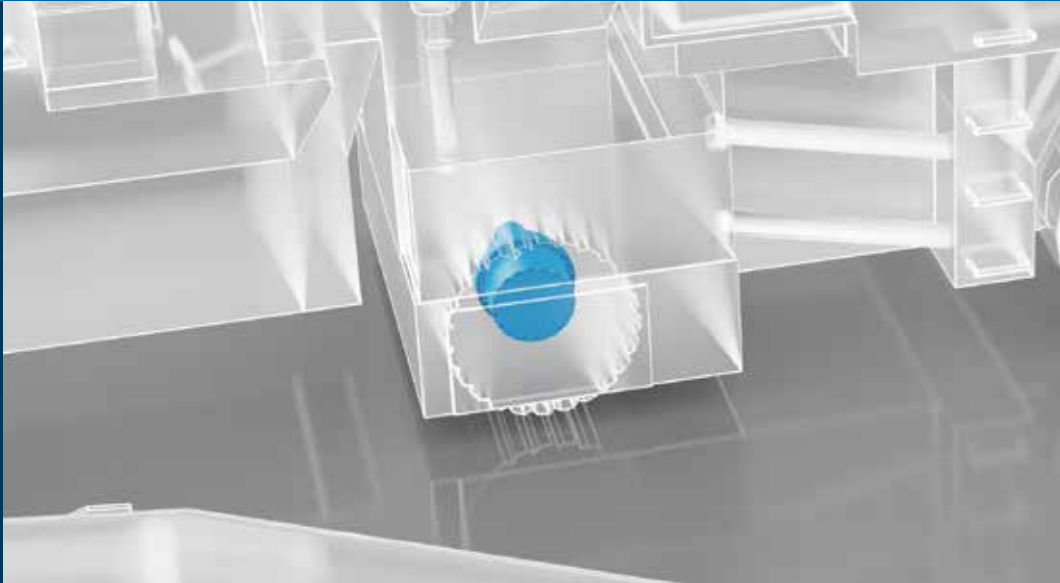
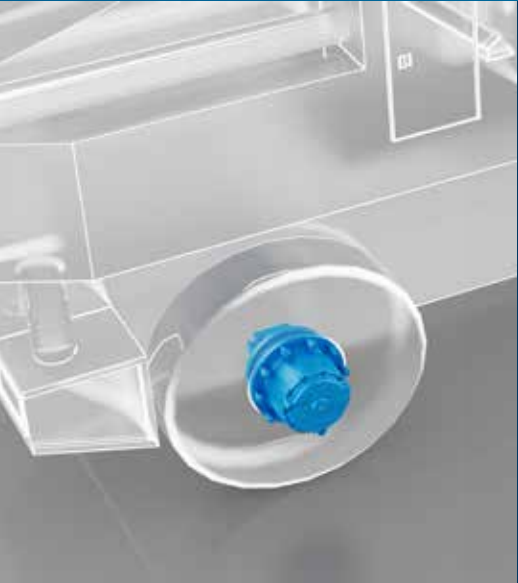
- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request

- 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)
705 C	10.000
706 C	18.000
707 C	26.000
709 C	30.000
710 C	40.000
711 C	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



600 Series
Wheel drives



- High torque capacity
- Rugged design

BENEFITS



700C Series
Cutter Drives



- Optimized housing design
- Compact structure
- High performance

FEATURES

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



FA Series
Cutter Drives



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

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

TECHNICAL DATA

	Torque (Nm)	
603 W		3.500
605 W		10.000

	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



SOLUTIONS FOR
Construction Industry

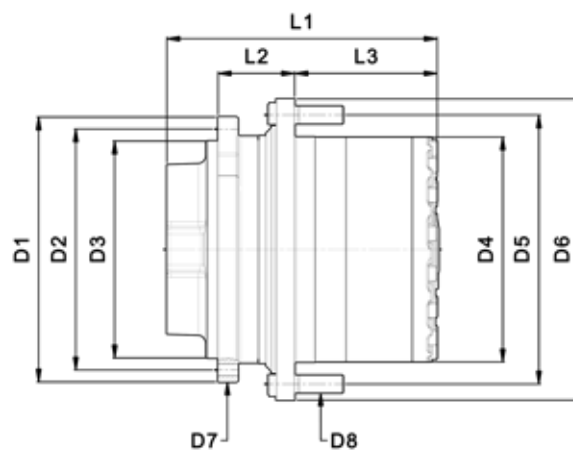
Technical data



600 Series

Wheel drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT	MACHINE WEIGHT	DESIGN
	1:	min ⁻¹		cc/rev	Nm	bar	kg	tons	
603 W	19 ÷ 40	3,500	Axial piston motor fixed or variable displacement	28 ÷ 45	210	18	45	up to 8	B
605 W	22 ÷ 53	3,500		28 ÷ 60	220 ÷ 310	10 - 20	70	5 ÷ 8	B
606 W	20 ÷ 128	4,000		28 ÷ 80	300 ÷ 800	15 - 20	110	up to 14	A
607 W	26 ÷ 154	4,000		28 ÷ 80	300 ÷ 800	15 - 20	140	14 ÷ 18	A
609 W	22 ÷ 147	4,000		45 ÷ 160	300 ÷ 800	15 - 20	170	16 ÷ 22	A
610 X	22.5 ÷ 51.4	4,000		60 ÷ 160	800 ÷ 1.200	15 - 20	200	25 ÷ 35	A



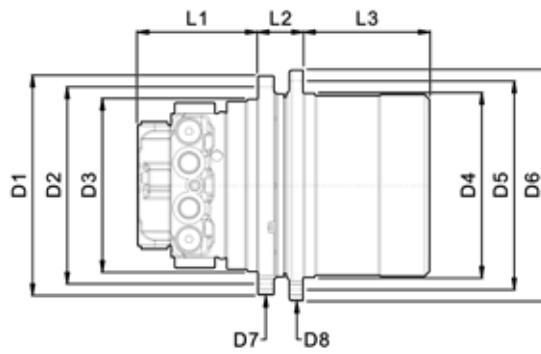
TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
603 W	270	230	190	200	245	280	M16x2 no.8	M18x1.5 no.6	230	72	128
605 W	270	230	190	220	275	310	M16x2 no.12	M20x1.5 no.8	260	72	158
606 W	330	300	270	280	335	370	M16x2 no.18	M22x1.5 no.10	330	115	200
607 W	317	285	240	300	355	400	M20x2.5 no.20	M18x1.5 no.20	335	82	233
609 W	375	340	300	350	400	435	M20x2.5 no.16	M22x1.5 no.16	350	91	243
610 X	410	370	330	360	400	440	M20x2.5 no.20	M20x2.5 no.16	383	90	268

SOLUTIONS FOR Construction Industry

700CP | 700CK Series

Track Drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT	MACHINE WEIGHT
	1:	min ⁻¹		cc/rev	Nm	bar	kg	tons
700 CP								
700-2 CP								
701 CP								
702 CP								
704 CP								
700 CK								
700-2 CK								
701 CK								
702 CK								
704 CK								
705 CK								
706 CK								
707 CK								
709 CK								
710 CK								

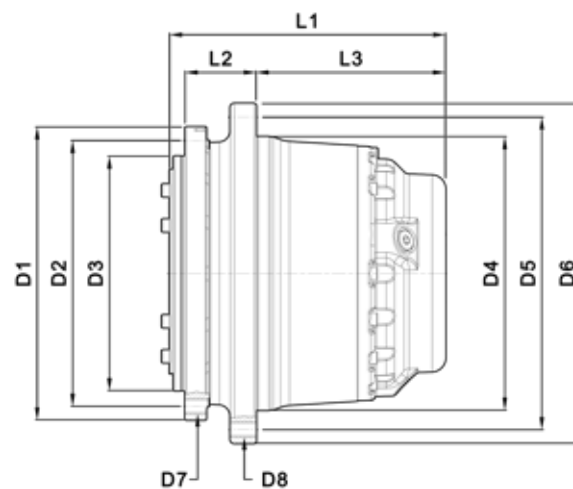


TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
700 CP											
700-2 CP											
701 CP											
702 CP											
704 CP											
700 CK											
700-2 CK											
701 CK											
702 CK											
704 CK											
705 CK											
706 CK											
707 CK											
709 CK											
710 CK											

700C Series

Track Drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT	MACHINE WEIGHT
	1:	min ⁻¹		cc/rev	Nm	bar	kg	tons
705 C	5.33	1,000	Orbital motors	160 ÷ 250	250 - 500	10 - 20	80	5
705 C	22 ÷ 53	4,000	Axial piston motor fixed or variable displacement	28 ÷ 60	250 - 500	10 - 20	60	5 ÷ 7
706 C	68 ÷ 173	4,000		28 ÷ 80	250 - 500	10 - 20	95	7 ÷ 13
707 C	55 ÷ 120	4,000		28 ÷ 80	250 - 500	10 - 20	135	13 ÷ 16
709 C	55 ÷ 147	4,000		45 ÷ 160	250 - 600	10 - 20	180	16 ÷ 22
710 C	55 ÷ 166	4,000		60 ÷ 160	250 - 600	10 - 20	200	22 ÷ 28
711 C	71 ÷ 163	4,000		60 ÷ 160	400 - 800	10 - 20	270	28 ÷ 35
713 C	56 ÷ 147	3,500		60 ÷ 160	400 - 800	10 - 20	310	35 ÷ 45
715 C	62 ÷ 156	3,500		60 ÷ 160	600 - 1,000	10 - 20	350	28 ÷ 35
716 C	83 ÷ 174	3,500		60 ÷ 160	800 - 1,200	10 - 20	400	35 ÷ 40
717 C								
718 C								
720 C								
722 C								



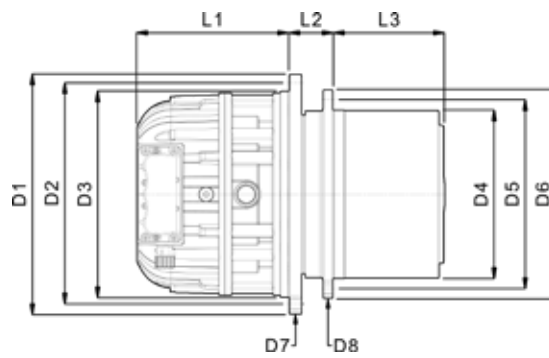
TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
705 C	325	290	250	200	240	280	M16x2 no.10	M20x2.5 no.8	295	72	96
705 C	270	230	190	220	260	300	M16x2 no.12	M16x2 no.16	250	72	158
706 C	330	300	270	280	330	370	M16x2 no.18	M16x2 no.18	340	115	190
707 C	317	285	240	300	340	370	M20x2.5 no.20	M16x2 no.20	340	82	233
709 C	375	340	300	330	370	400	M20x2.5 no.16	M16x2 no.30	350	91	243
710 C	375	340	300	350	400	435	M20x2.5 no.16	M20x2.5 no.16	350	91	243
711 C	425	325	290	410	455	490	M20x2.5 no.24	M20x2.5 no.24	400	110	265
713 C	425	325	290	410	455	490	M20x2.5 no.24	M20x2.5 no.24	420	110	280
715 C	500	460	420	460	510	550	M20x2.5 no.24	M20x2.5 no.24	465	130	315
716 C	500	460	420	460	500	550	M24x3 no.24	M18x1.5 no.36	500	165	308
717 C											
718 C											
720 C											
722 C											

SOLUTIONS FOR Construction Industry

700CE Series | 700 CE ... 705 CE

Track Drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT	MACHINE WEIGHT
	1:	min ⁻¹		cc/rev	Nm	bar	kg	tons
700 CE								
700-2 CE								
701 CE								
702 CE								
704 CE								
705 CE								

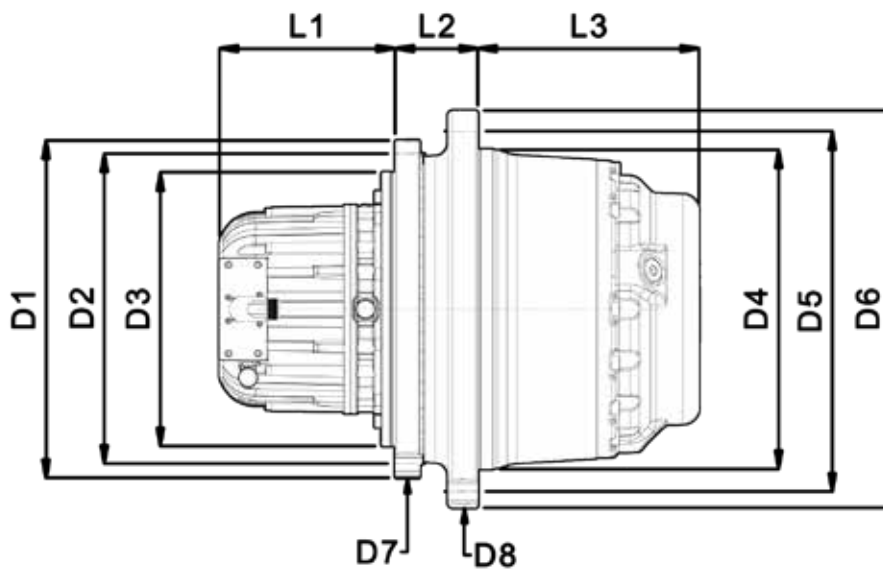


TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
700 CE											
700-2 CE											
701 CE											
702 CE											
704 CE											
705 CE											

700CE Series | 707 CE ... 713 CE

Track Drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT	MACHINE WEIGHT
	1:	min ⁻¹		cc/rev	Nm	bar	kg	tons
707 CE								
709 CE								
710 CE								
711 CE								
713 CE								



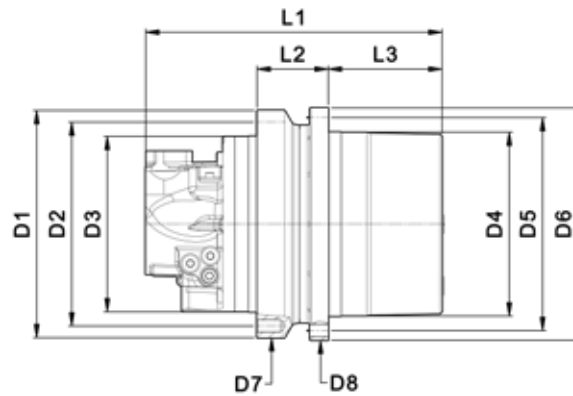
TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
707 CE											
709 CE											
710 CE											
711 CE											
713 CE											

SOLUTIONS FOR Construction Industry

700CT Series

Track Drives

TYPE	TORQUE	MAX INPUT SPEED	RANGE OF RATIOS	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT
	Nm	rpm	1:	cc/rev	Nm	bar	kg
704CT	5,000	4,000	16-21	45	310	18	60
705CT	9,000	4,000	18-53	45	310	18	65
705XT	12,000	4,000	22	68	475	18	120
706CT	16,000	4,000	26	68	475	18	125

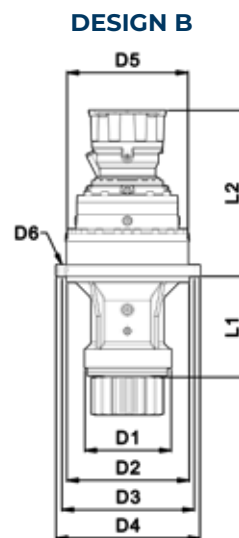
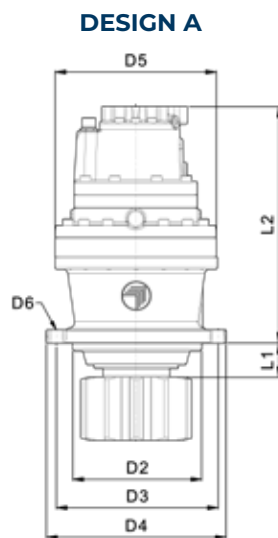


TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
704CT	272	244	210	220	255	278	M16X2 n12	M16X2 n12	355	85	136
705CT	272	244	210	220	255	278	M16X2 n12	M16X2 n12	355	85	136
705XT	335	300	270	250	285	320	M16X2 n12	M16X2 n12	433	112	164
706CT	330	300	270	280	320	345	M16X2 n18	M16X2 n18	450	95	191

700T Series

Slew drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT	DESIGN	MACHINE WEIGHT	
	1:	min ⁻¹		cc/rev	Nm	bar	kg		tons	
700 T			Axial piston motor fixed or variable displacement							
701 T										
703 T										
704 T										
705 T	12 ÷ 44	3,500			28 - 80	50 - 400	10 - 30	55	A	Up to 10
705 T	12 ÷ 44	3,500			28 - 80	50 - 400	10 - 30	80	B	Up to 10
706 T	15 ÷ 46	3,500			28 - 80	400 - 1,000	20 - 30	95	B	14-16
707 T	17 ÷ 47	3,500			28 - 80	400 - 1,000	20 - 30	140	B	16-18
709 T	17 ÷ 47	3,500			45 - 110	400 - 1,000	20 - 30	165	B	18-22
710 T	19 ÷ 38	3,500			45 - 110	400 - 1,000	20 - 30	250	B	22-28
711 T	14 ÷ 39	3,500			60 - 160	400 - 1,000	20 - 30	300	B	28-35
711 T	14 ÷ 39	3,500			60 - 160	400 - 1,000	20 - 30	160	A	28-35
712 T	80 ÷ 200	3,500			60 - 200	400 - 1,000	20 - 30	450	A	35-40
712 T	80 ÷ 200	3,500			60 - 200	400 - 1,000	20 - 30	450	B	35-40
713 T	50 ÷ 300	3,500		60 - 200	400 - 1,000	20 - 30	500	B	Over 40	



TYPE	D1	D2	D3	D4	D5	D6	L1	L2	M	Z
700 T										
701 T										
703 T										
704 T										
705 T	-	175	245	272	245	18	41	440		
705 T	180	195	245	290	245	13	171	470		
706 T	200	250	325	360	292	17	225	560		
707 T	230	280	314	348	345	17	295	670		
709 T	250	280	380	420	345	17	295	720		
710 T	300	425	460	500	400	22	360	730		
711 T	300	425	460	500	428	22	345	735		
711 T	500	320	500	560	425	22	70	750		
712 T	-	410	450	490	420	ø21 no.24	120	900		
712 T	400	425	470	510	420	ø20 no.30	350	900		
713 T	340	400	510	560	445	22	420	1,030		

Pinion module / number of teeth UPON REQUEST

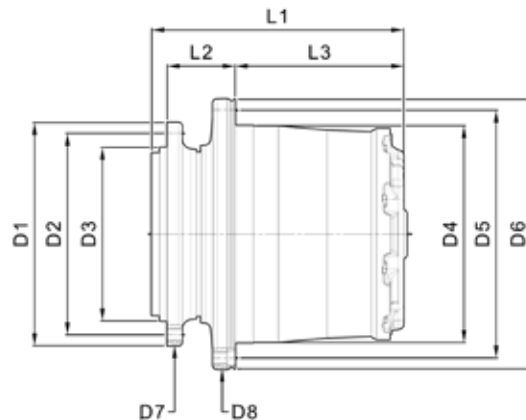
SOLUTIONS FOR Construction Industry

F Series

Track drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT	MACHINE WEIGHT
	1:	min ⁻¹		cc/rev	Nm	bar	kg	tons
F30	19 ÷ 307	3500	Axial piston motor fixed or variable displacement	28 ÷ 63	255 ÷ 400	16 ÷ 22	94	
F40	19 ÷ 409	4000		40 ÷ 63	420	18	115	
F55	16 ÷ 185	3000		80 ÷ 90	390 ÷ 500	15 ÷ 21	165	
F80	55 ÷ 166	3000		80 ÷ 180	375 ÷ 1000	18 ÷ 28	230	
F100	19 ÷ 586	3000		107 ÷ 180	600 ÷ 900	13 ÷ 15	330	
F130	14 ÷ 825	3000		107 ÷ 180	750	19	452	
F180	62 ÷ 156	3000		160 ÷ 180	800 ÷ 1375	35	636	
F220	25 ÷ 1861	3000		107 ÷ 280	1200	15	740	
F260	19 ÷ 843	nn *		160 ÷ 355	1000	15	865	
F280	19 ÷ 243	nn *		250	1650	15	1037	
F360	25 ÷ 1784	3000		355	1700	12	1080	
F420	89 ÷ 289	2900 *		160 (2x)	1000	18	1500	
F440	147 ÷ 3651	3000		160 ÷ 250	1000 ÷ 1700	7,8 ÷ 15	1300	
F560	82 ÷ 2630	4500 *		160	900	13	2000	
F620	30 ÷ 1059	3000		160 (x2) ÷ 500 (x1)	1200	28	2897	
F650	380 ÷ 682	nn *		215 (x2)	1150	17	1660	
F700	377 ÷ 650	2150 *		250 (x2) ÷ 280 (x2)	1200	28	3350	
F800	23 ÷ 298	1500 *		250 (x2) ÷ 280 (x2)	1000	7,8	3764	
F1100	404 ÷ 1088	nn *		250 (x2) ÷ 280 (x2)	1750	20	7220	
F1300	461 ÷ 766	nn *		250 (x2)	1750	20	7400	
F1700	744	nn *		280 (x2)	1200 (x2)	28	10515	
F2000	516 ÷ 989	1800		250 (x2) ÷ 355 (x2)	2300	22	10700	
F2200	551	3000		250 (x2) ÷ 355 (x2)	2300	22	10736	
F3000	698	3600		250 (x2) ÷ 280 (x2)	1700	12	11500	

* depending on customer request



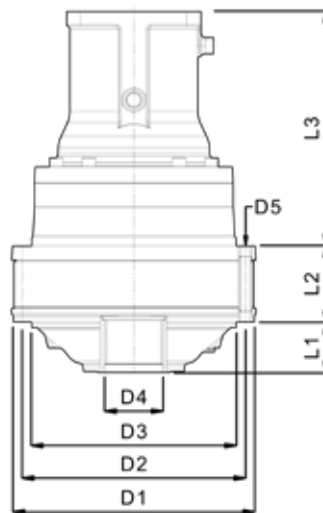
TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
F30	304	275	240	270	305	335	M16x2 no.18	M16x2 no.18	323	75	223
F40	320	285	240	295	335	370	M20x1.5 no.20	M20x1.5 no.20	338	91	231
F55	360	325	280	350	400	435	M20x1.5 no.24	M20x1.5 no.20	413	110	278
F80	410	370	330	400	450	490	M24x2 no.20	M24x2 no.20	415	90	290
F100	500	460	390	408	460	500	M24x2 no.30	M24x2 no.24	461	165	261
F130	550	500	390	450	500	550	M24x2 no.32	M24x2 no.32	530	190	295
F180	560	510	450	535	600	650	M24x2 no.30	M27x2 no.30	534.5	168	312
F220	650	600	460	542	600	650	M24x2 no.38	M24x2 no.38	580.5	166.5	362
F260	570	520	460	610	680	735	M30x2 no.24	33 no.24	579	170	364
F280	685	630	530	610	685	740	M30x3.5 no.28	M30x3.5 no.28	627	125	382
F360	735	680	580	650	720	775	M30x3.5 no.30	M30x3.5 no.30	658	130	427
F420	795	744	660	674	744	795	M30x2 no.42	M30x2 no.42	1026	130	428
F440	569	515	450	570	620	670	M36x3 no.30	M30x3 no.30	820	255	516
F560	569	515	450	570	620	670	M36x1.5 no.29	M30x1.5 no.42	831.5	255	587
F620	880	810	730	885	965	1020	M30x2 no.41	M30x2 no.48	1232	245	646
F650	563	515	450	570	620	763	M36x1.5 no.29	M30x1.5 no.42	846.5	255	519
F700	779	726	668	780	850	900	M36x1.5 no.30	M36x1.5 no.45	1283.5	405	525.7
F800	1050	980	830	920	976	1055	M30x2 no.48	M30x2 no.48	1315	229	373
F1100	1310	1230	1110	-	1170	1226	M36x4 no.48	M30x3.5 no.52	1483	503	267
F1300	1310	1230	1110	1100	1170	1226	M36x4 no.48	M30x3.5 no.52	1623	503	724.5
F1700	1310	1230	1110	1250	1360	1430	M36x1.5 no.48	M42x2 no.40	1709	310	914
F2000	1500	1400	1288	1230	1320	1400	M42x3 no.50	M42x3 no.48	1846	343	912
F2200	1500	1400	1288	1230	1320	1400	M42x3 no.50	M42x3 no.48	1846	343	912
F3000	1500	1400	1288	1230	1320	1400	M42x3 no.50	M42x3 no.48	2000	343	1051



300 Series

Multipurpose planetary drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT	MACHINE WEIGHT
	1:	min ⁻¹		cc/rev	Nm	bar	kg	tons
306								
307								
309								
310 M								
311 M								
313 M								
314 M								
315 M								



TYPE	D1	D2	D3	D4	D5	L1	L2	L3
306								
307								
309								
310 M								
311 M								
313 M								
314 M								
315 M								

R&D Capacity

DESIGN SIMULATION



TESTING
LABORATORIES



CO-ENGINEERING



The R&D department at Bonfiglioli develops cutting-edge solutions that integrate the most advanced mechanical, electrical, electronic and hydraulic technologies, responding to the most complex application challenges. **Each R&D center focuses on dedicated product lines, ensuring specialist know-how and tailor-made innovation.**

R&D CENTERS WORLDWIDE



ITALY

Bologna
Rovereto
Forlì



GERMANY

Hattingen
Krefeld



INDIA

Chennai



CHINA

Shanghai



Production: the heart of our company

OUR PRODUCTION SITES COMBINE INNOVATION AND PRECISION, REDEFINING THE CONCEPT OF OPERATIONAL EXCELLENCE.



With a fleet of 200 collaborative, high-capacity robots joining our AGVs/AMRs, we have built a seamlessly integrated **automated production ecosystem**.

We bridge the gap between production and IT infrastructure thanks to end-to-end digital integration, ensuring real-time monitoring and data-driven optimization.



From smart picking in our **advanced warehouses** to dynamic shipping, we guarantee agile, reliable and fast global delivery.

Our worldwide 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



Bonfiglioli global locations

AUSTRALIA

Bonfiglioli Transmission (Aust.) Pty Ltd
Plumpton NSW



BRAZIL

Bonfiglioli Redutores do Brasil Ltda
São Bernardo do Campo - São Paulo



CHINA

Bonfiglioli Drives (Shanghai) Co. Ltd.
Shanghai



Selcom Electronics (Shanghai) Co., Ltd

Shanghai



Shanghai



FRANCE

Bonfiglioli Transmission S.A.S.

Marly la Ville



GERMANY

Bonfiglioli Deutschland GmbH

Neuss



Bonfiglioli Deutschland GmbH

Krefeld



O&K Antriebstechnik GmbH

Hattingen



INDIA

Bonfiglioli Transmission Ltd.

Mobility & Wind Industries

Thirumudivakkam

Kancheepuram - Tamil Nadu



Industry & Automation Solutions

Mannur Village, Sriperumbudur Taluk

Kancheepuram - Tamil Nadu



Industry & Automation Solutions

Pune - Maharashtra



ITALY

Bonfiglioli Riduttori S.p.A.

Industry & Automation Solutions

Calderara di Reno (BO)



Industry & Automation Solutions

Carpiano



Mobility & Wind Industries

Forlì



Industry & Automation Solutions

Rovereto



Selcom Group S.p.A.

Castel Maggiore (BO)



Castel Maggiore (BO)



Cadriano (BO)



NEW ZEALAND

Bonfiglioli Transmission (Aust.) Pty Ltd

Auckland - Ellerslie



SINGAPORE

Bonfiglioli South East Asia Pte Ltd

Singapore



SLOVAKIA

Bonfiglioli Slovakia s.r.o.

Považská Bystrica



SOUTH AFRICA

Bonfiglioli South Africa Pty Ltd.

Johannesburg



SPAIN

Tecnotrans Bonfiglioli S.A

Castellbisbal - Barcelona



TURKEY

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Hebron - Kentucky



VIETNAM

Bonfiglioli Vietnam Co. Ltd.

Ben Cat city, Binh Duong province





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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