



SOLUTIONS FOR

Construction
Industry



We engineer dreams



Contents

CONSTRUCTION5

EARTH MOVING MACHINES..... 6

Mini-excavators8

Compact track loaders 11

Excavators 12

BUILDING CONSTRUCTION.....14

Building cranes.....16

Rough terrain cranes.....20

Truck-mounted cranes.....22

Crawler cranes24

Drilling machines28

Crushers & screeners.....32

CONCRETE PROCESSES34

Concrete mixers.....36

Asphalt mixers.....37

Truck-mounted concrete pumps.....38

Transit mixer trucks39

ROAD MACHINERY 40

Pavers42

Road reclaimers46

Soil compactors47

Graders48

Pneumatic tyred rollers.....49

Tandem vibratory rollers50

Cold milling machines.....52

OUR GLOBAL PRESENCE.....54

Engineering Solutions



WWW.BONFIGLIOLI.COM

Construction Industry

THE WIDEST RANGE OF SOLUTIONS FOR THE CONSTRUCTION INDUSTRY

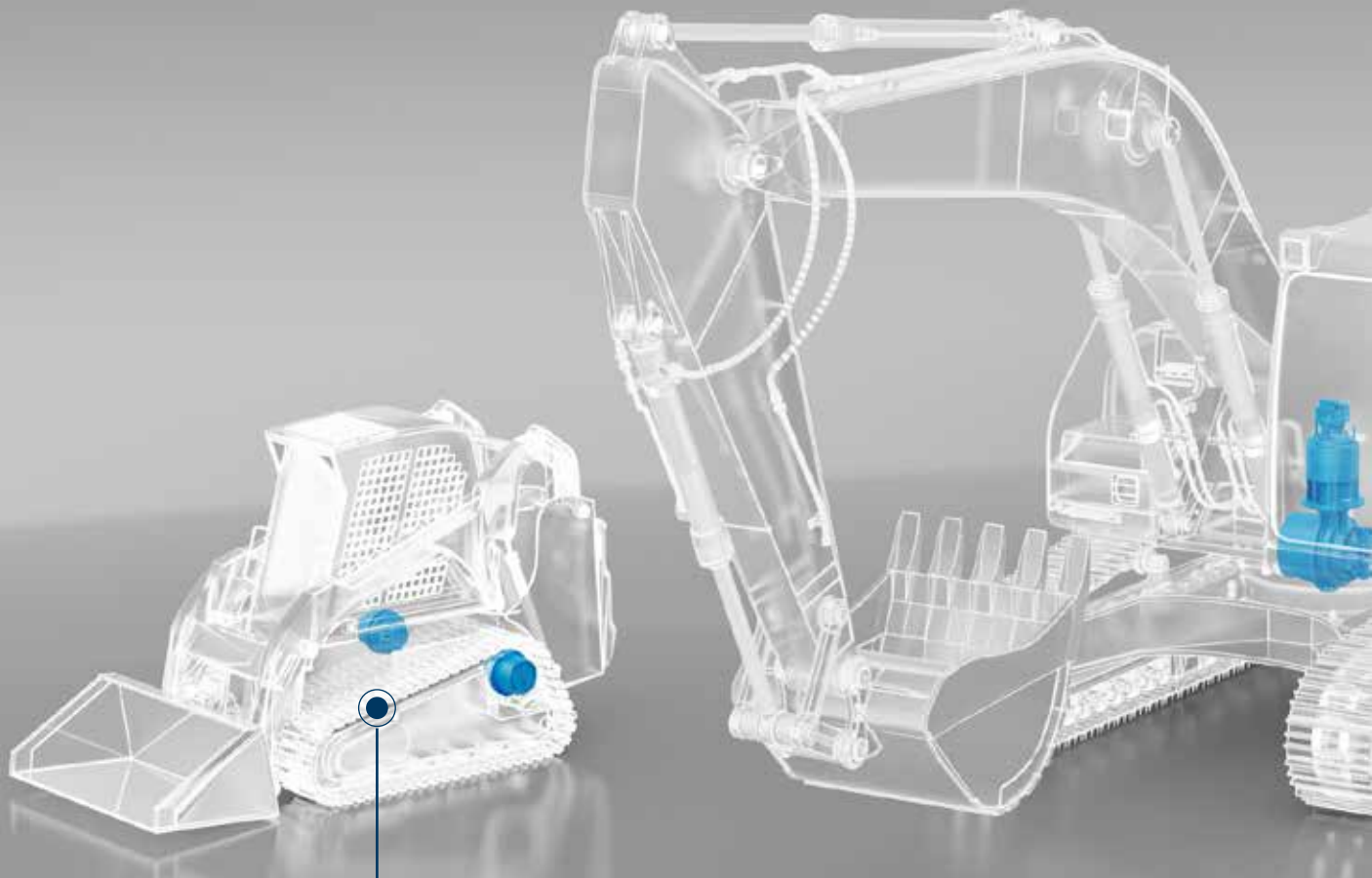
We have been enhancing construction equipment performance, efficiency, productivity and reliability for over 40 years. With experience working with the major players worldwide, our team of experts creates, designs and produces advanced technological solutions for a wide range of applications, including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

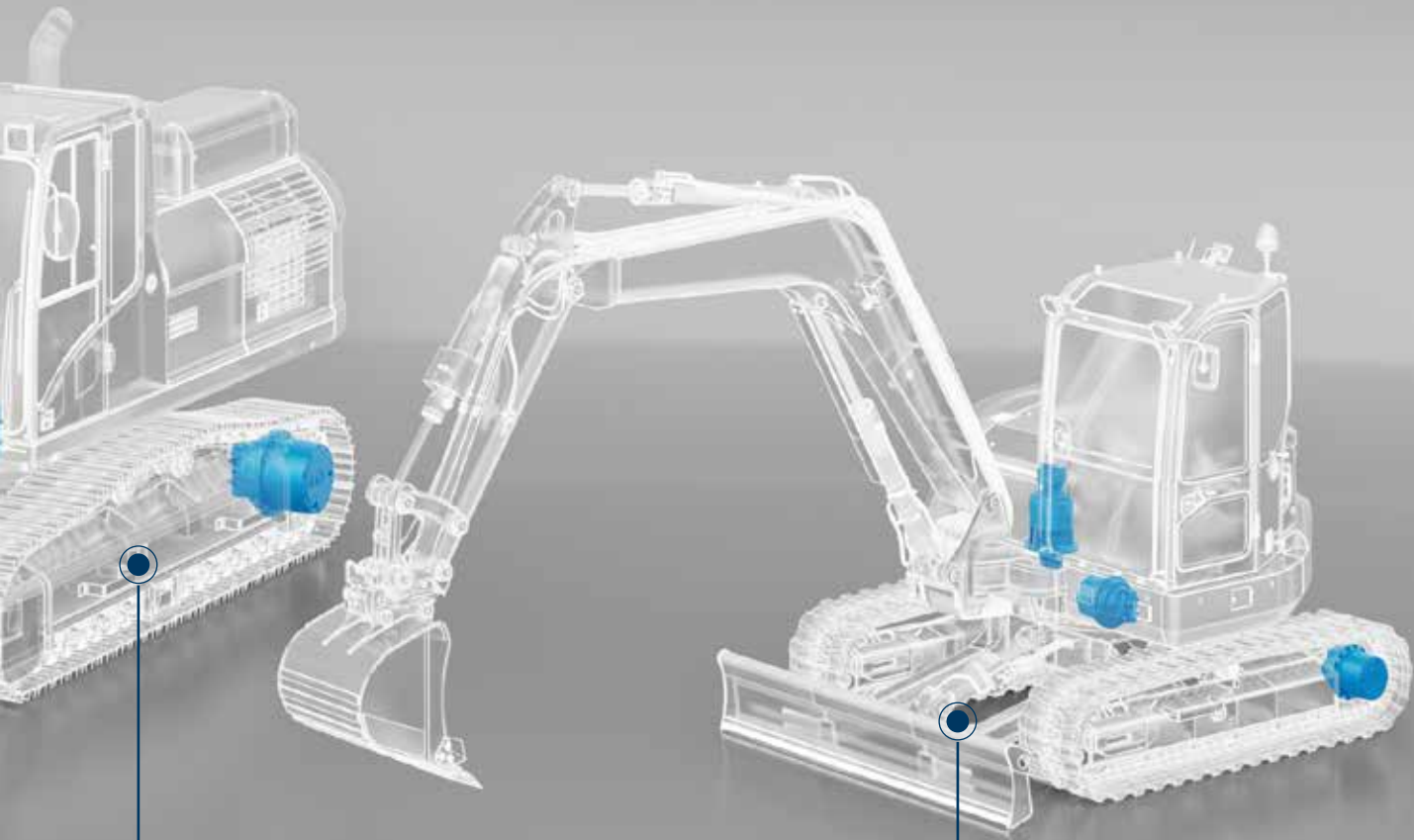
The wide range of customized solutions and extensive expertise in the industry make Bonfiglioli the ideal partner.





2

COMPACT TRACK LOADERS



3 EXCAVATORS

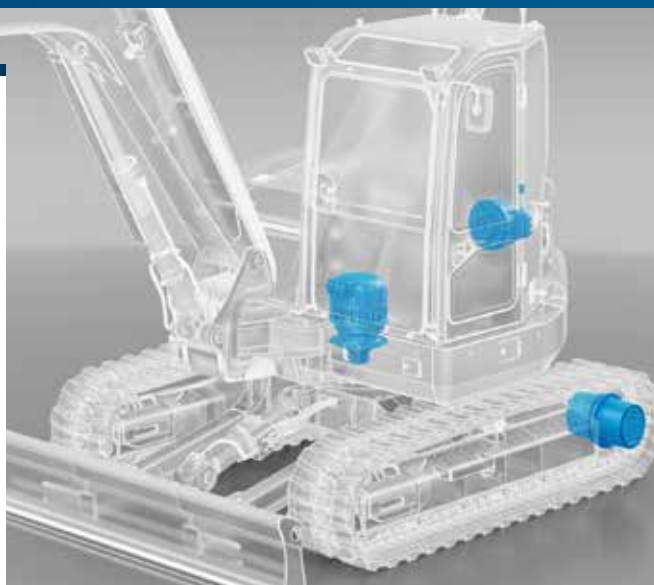
1 MINI-EXCAVATORS

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

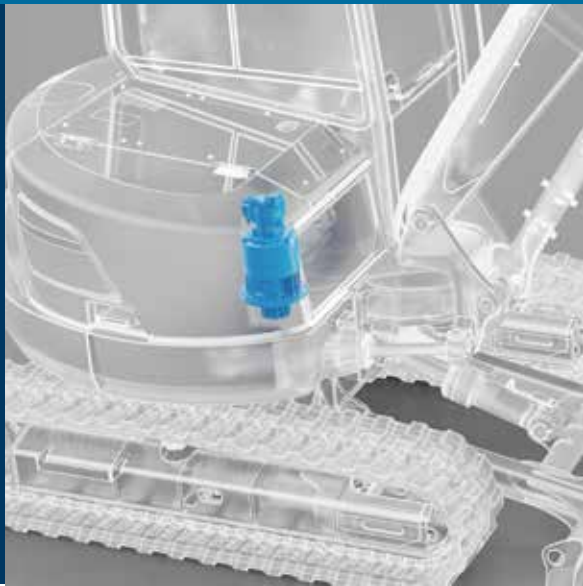
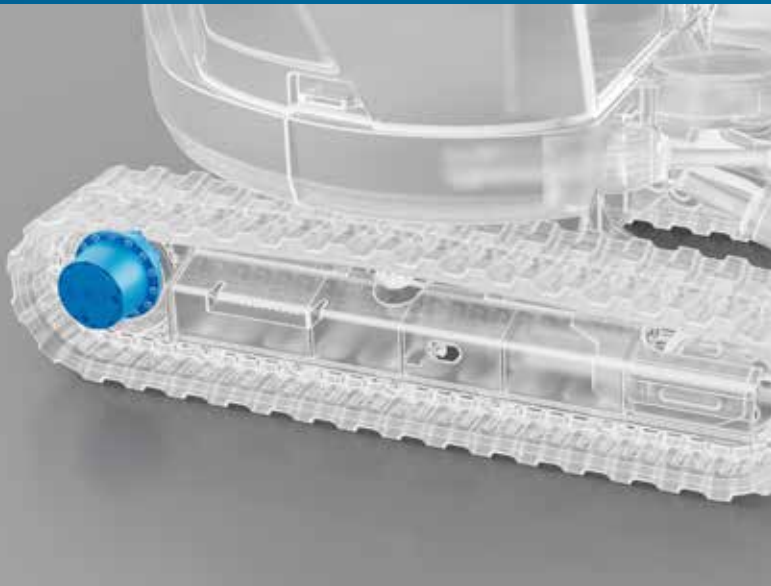
- Shorter axial length thanks to PM e-motor
- Fully integrated design
- Integrated electromagnetic parking brake
- Integrated speed and temperature sensors
- High protection rating
- Fully integrated design
- Integrated electromagnetic brake
- Integrated speed and temperature sensors
- High protection 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 Poclain
- 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

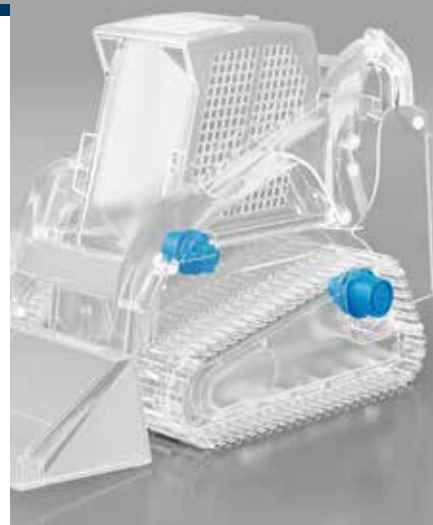
Track drives

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



HYDRAULIC
SOLUTIONS

- Compact, lightweight design
- 2 speed and variable speed configurations available



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
- 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



F Series

Track Drives



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

BENEFITS

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

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

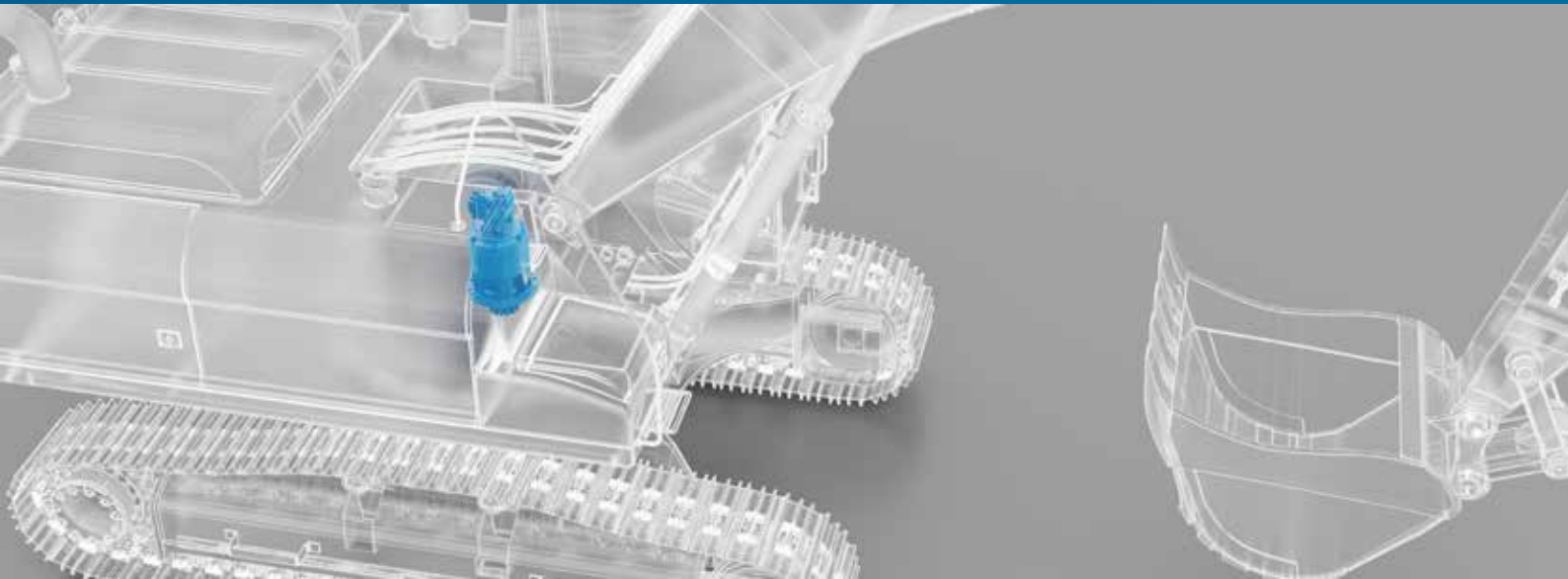
TECHNICAL DATA

Torque (Nm)

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

Torque (Nm)

F130	130.000	F800	800.000
F180	180.000	F1100	1.100.000
F220	220.000	F1300	1.300.000
F260	260.000	F1700	1.700.000
F280	280.000	F2000	2.000.000
F360	360.000	F2200	2.200.000
F420	420.000	F3000	3.000.000
F620	620.000		



700T & 700TK Series

Slew Drives



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



S Series

Slew Drives



- Compact structure
- High performance

BENEFITS

FEATURES

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

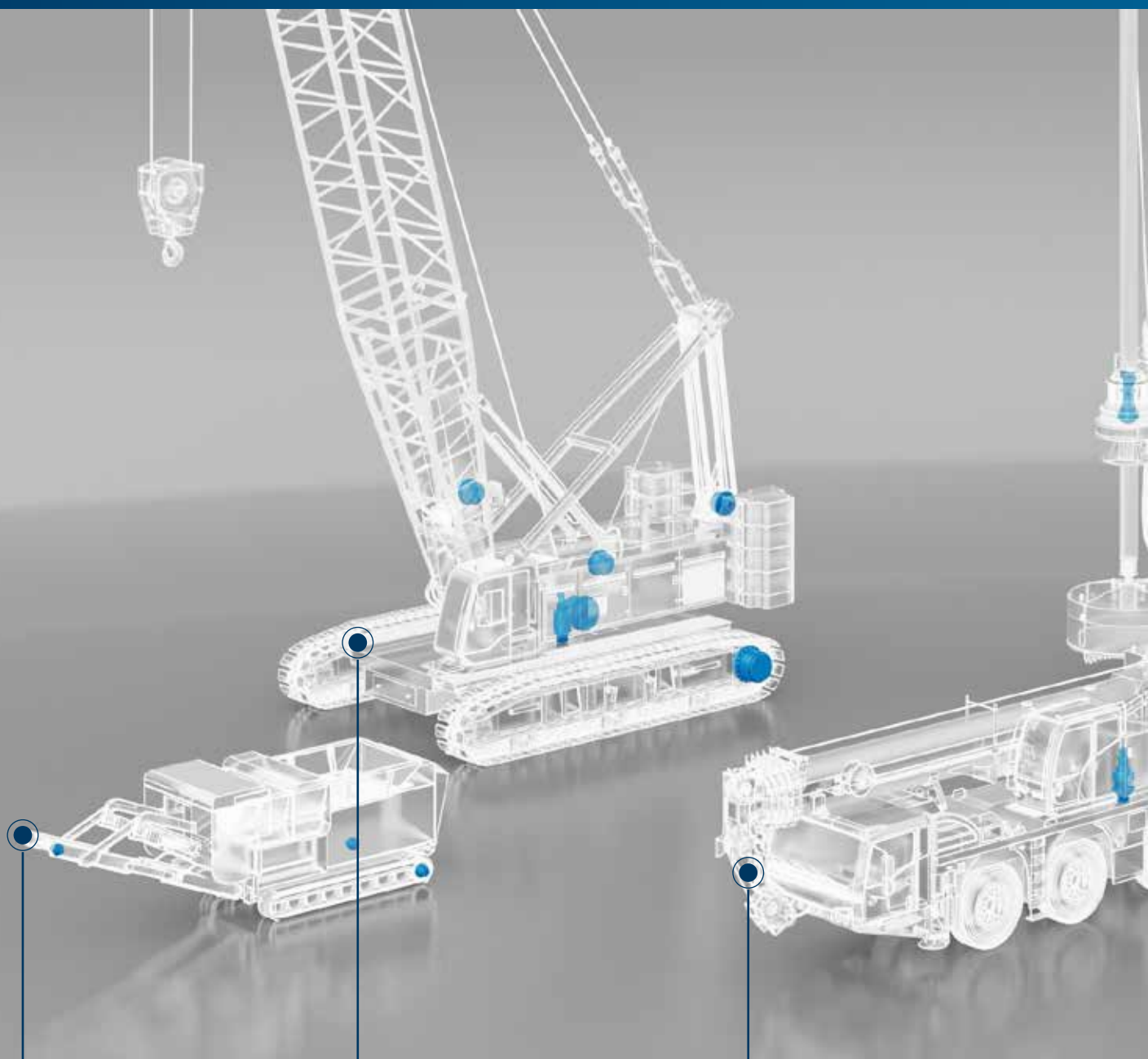
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake

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

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

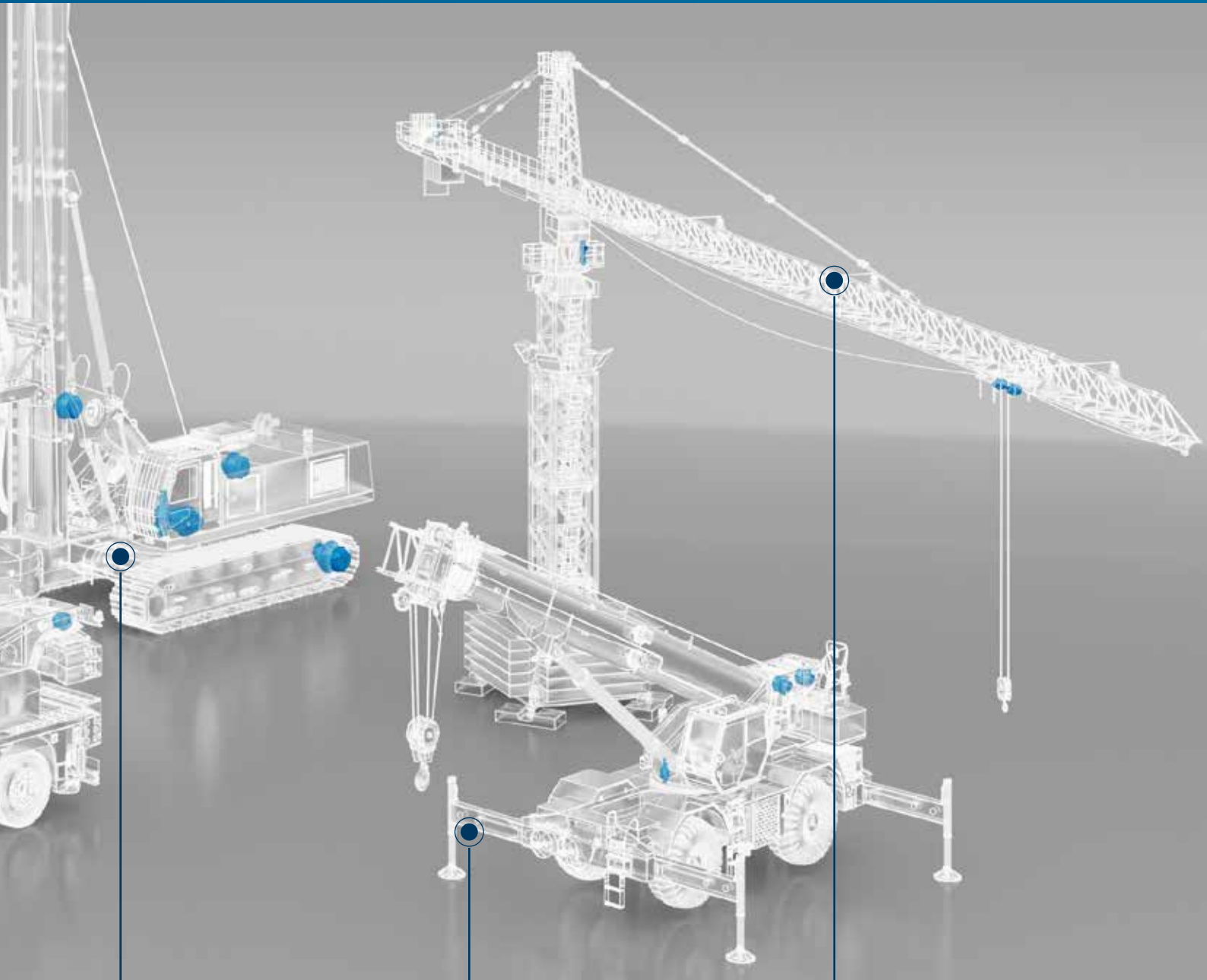
SOLUTIONS FOR Construction Industry



4 CRAWLER CRANES

6 CRUSHERS &
SCREENERS

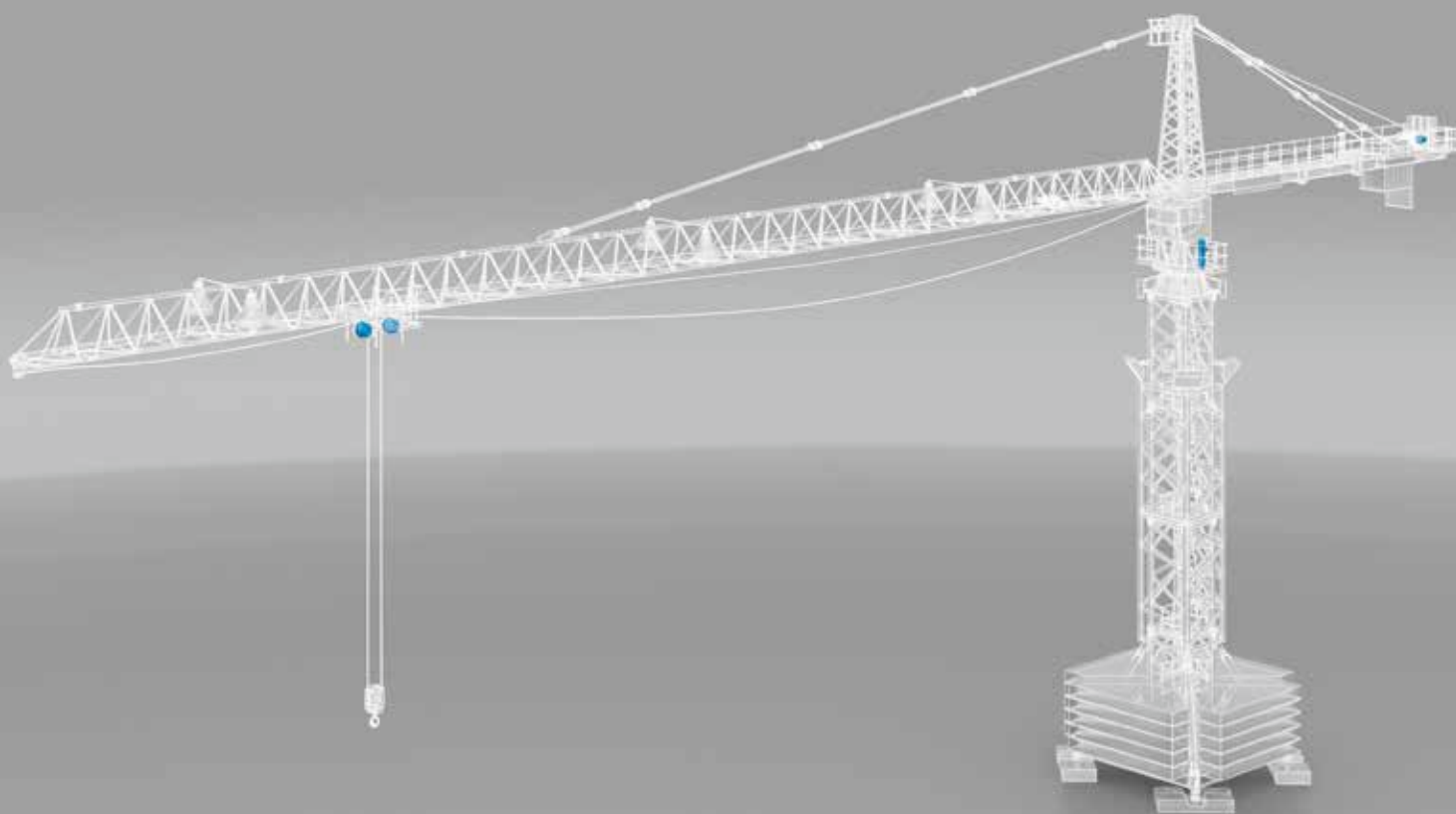
3 TRUCK-MOUNTED
CRANES



5 DRILLING MACHINES

2 ROUGH TERRAIN
CRANES

1 BUILDING CRANES



1

BUILDING CRANES

Slew drives

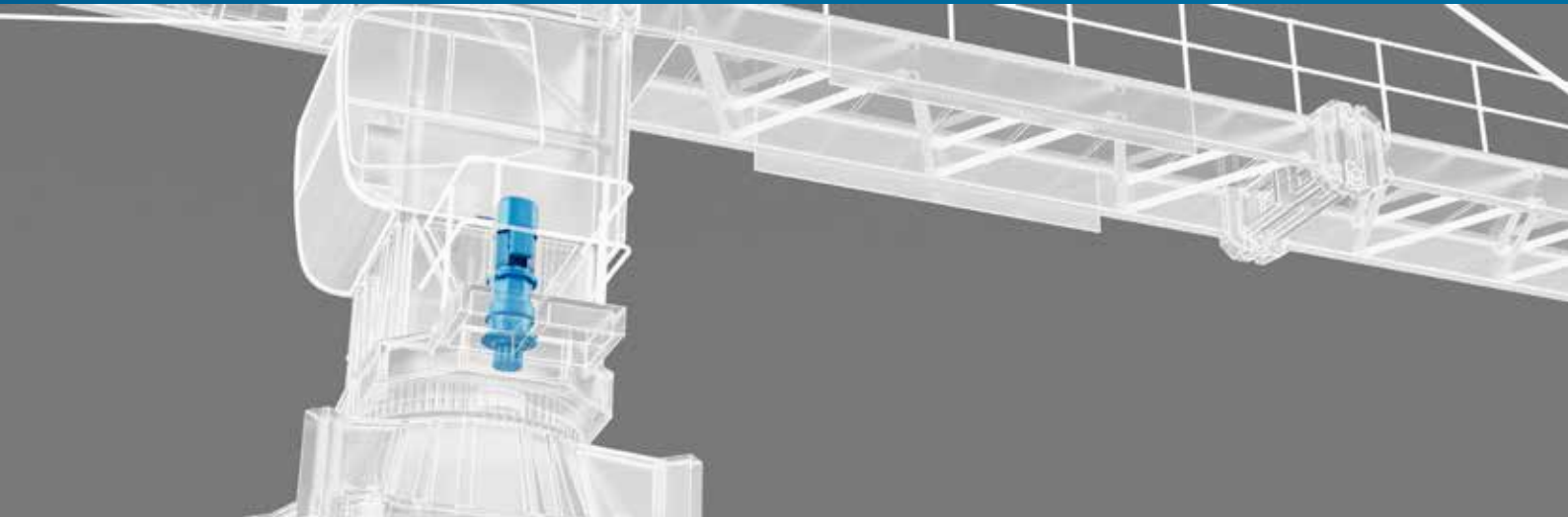
Bonfiglioli slew drives provide the safest, most effective solution for building cranes. With its long-established experience, Bonfiglioli supplies robust and reliable products that meet all customer's needs.

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

Slew drives



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



ACU-H Series

Customized
inverters

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



AxiaVert Series

High performance
cabinet inverter

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

- Flange mounted
- Output shaft: splined or with integral pinion

- 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

- 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)

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



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

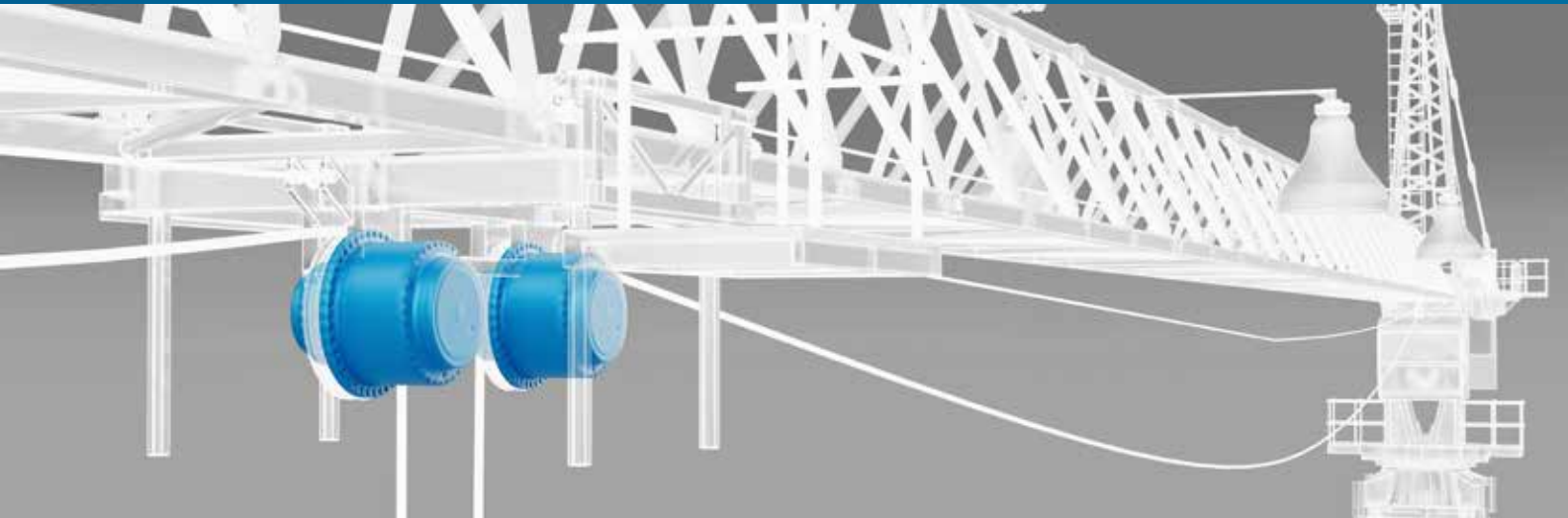
705 C	4.800
706 C	9.500
707 C	19.000
709 C	23.000
710C	29.000
711 C	32.000
713 C	45.000

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

715 C	55.000
716 C	76.000
717 C	95.000
718 C	105.000
720 C	174.000
722 C	249.000

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



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



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



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

BENEFITS

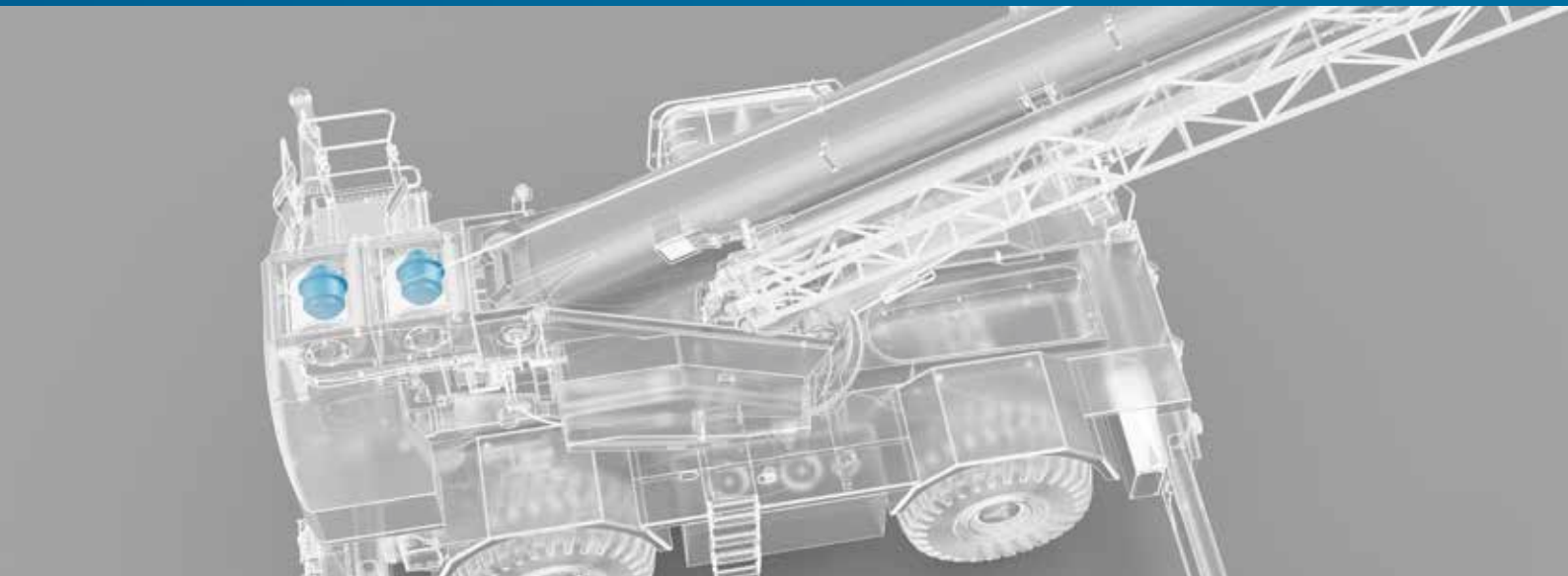
FEATURES

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





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

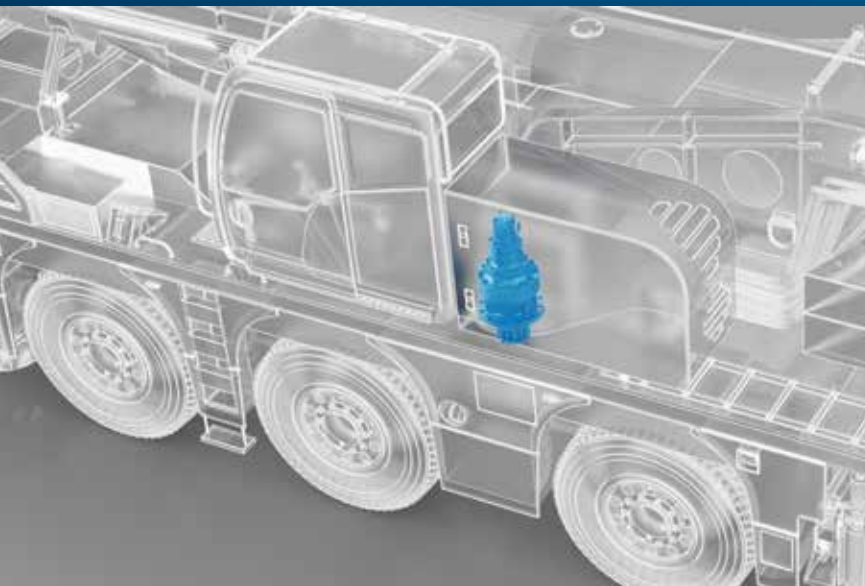
TECHNICAL DATA

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

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



S Series

Slew Drives



- Compact structure
- High performance
- Adaptability

BENEFITS

FEATURES

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

- 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

Winch drives

HYDRAULIC
SOLUTIONSELECTRIC
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

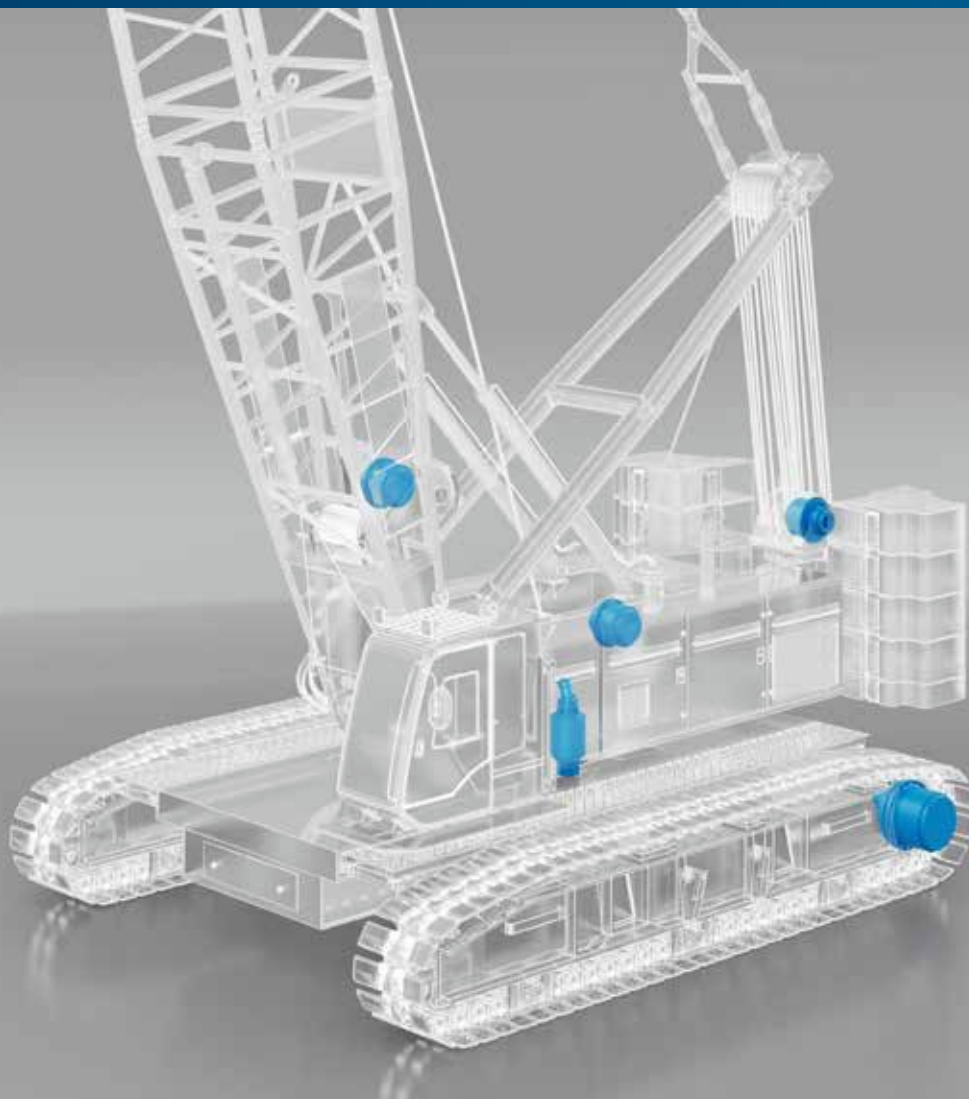
TECHNICAL DATA

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

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



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



S Series Slew Drives



- Compact structure
- High performance

BENEFITS

FEATURES

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

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

TECHNICAL DATA

Torque (Nm)		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)		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



F Series

Track Drives



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

BENEFITS

FEATURES

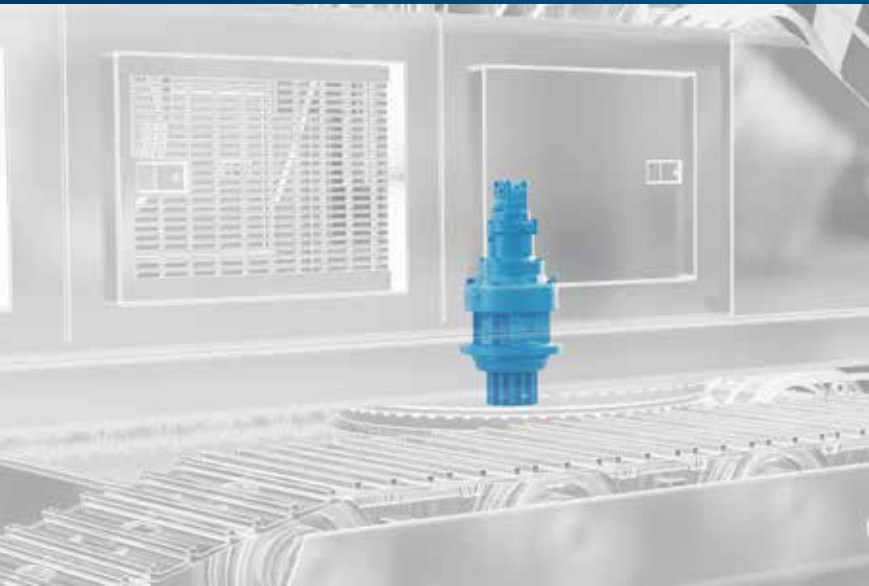
- Rotating housing
- Lifelong mechanical seals on request
- Multiple ratios
- Integrated disc-brake

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

Torque (Nm)			
F180CC	180.000	F620CC	620.000
F220CC	220.000	F650CC	650.000
F260CC	260.000	F700CC	700.000
F280CC	280.000	F810CC	810.000
F360CC	360.000	F1800CC	1.800.000
F440CC	440.000	F2000CC	2.000.000
F560CC	560.000		



5

DRILLING MACHINES

Sleew drives

Reliability and high torque capabilities are the two key benefits of our sleew 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
Sleew Drives



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



S Series
Sleew Drives



- Compact structure
- High performance

BENEFITS

FEATURES

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

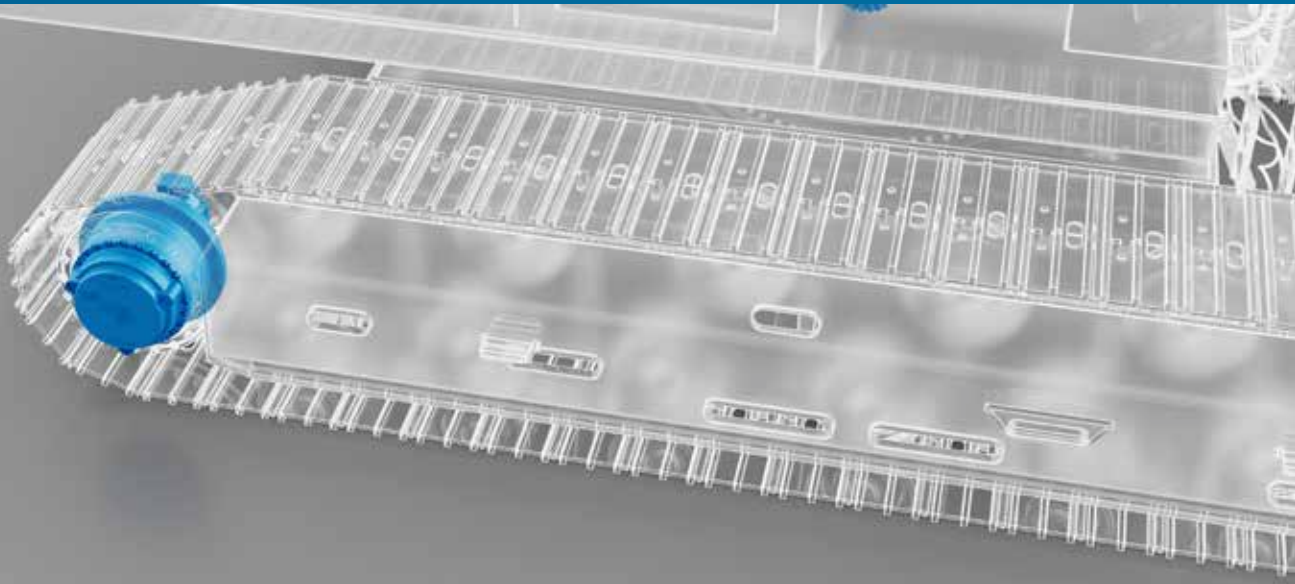
- Output shaft: splined or with integral pinion
- Rugged construction
- Notchless ground tooth root
- Integrated disc-brake

TECHNICAL DATA

Torque (Nm)		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)		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 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

- 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

TECHNICAL DATA

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)

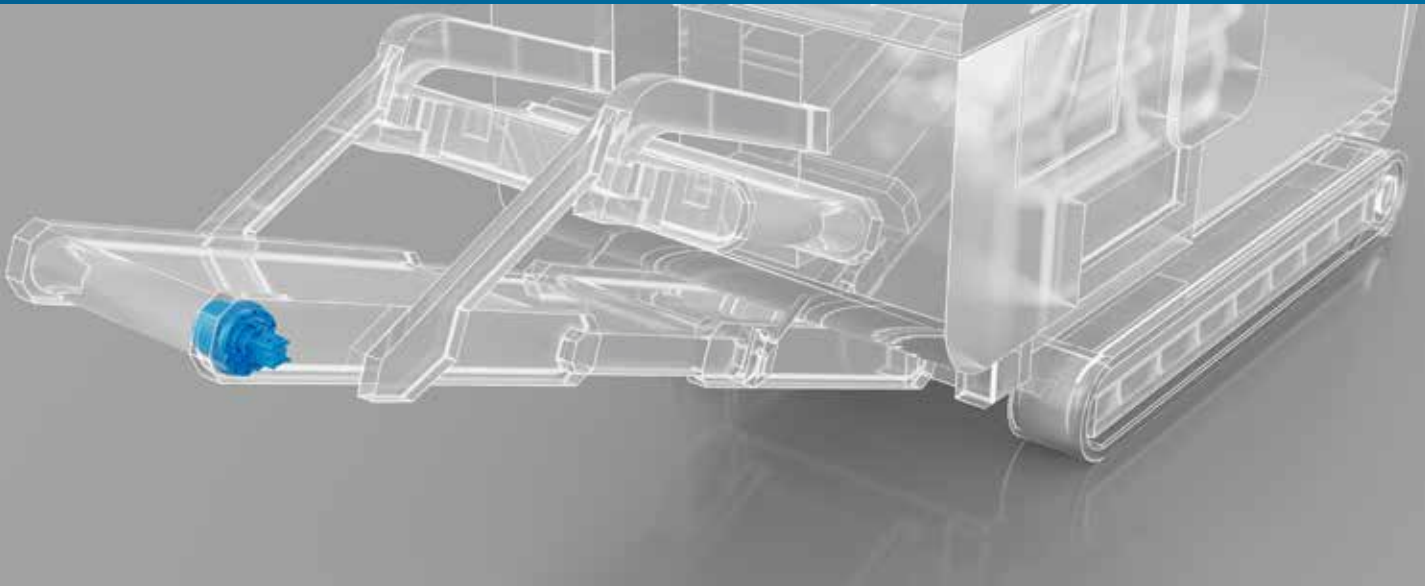
706 C	26.000
707 C	40.000
709 C	45.000
710 C	50.000
711 C	62.000
713 C	85.000
715 C	130.000
716 C	150.000
717 C	180.000
718 C	240.000
720 C	305.000

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



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



800 Series Conveyor Drives



- High torque capacity
- High load capacity

BENEFITS

FEATURES

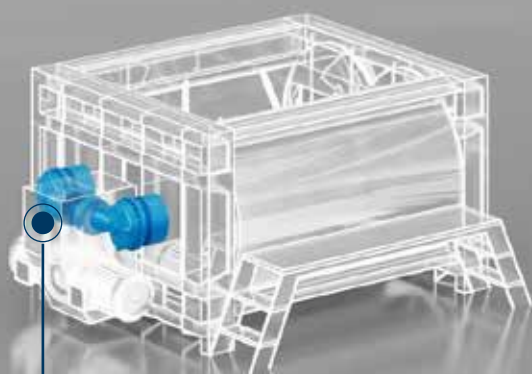
- Rotating housing
- Lifelong mechanical seals on request
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Multiple ratios
- Integrated disc-brake

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

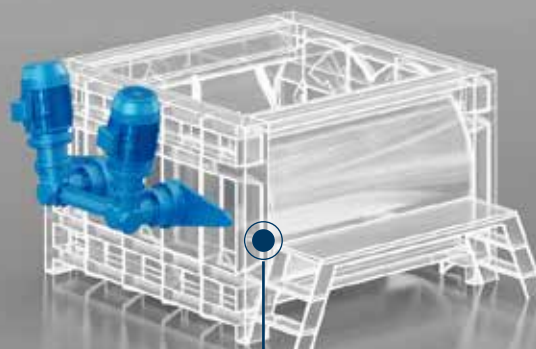
TECHNICAL DATA

	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

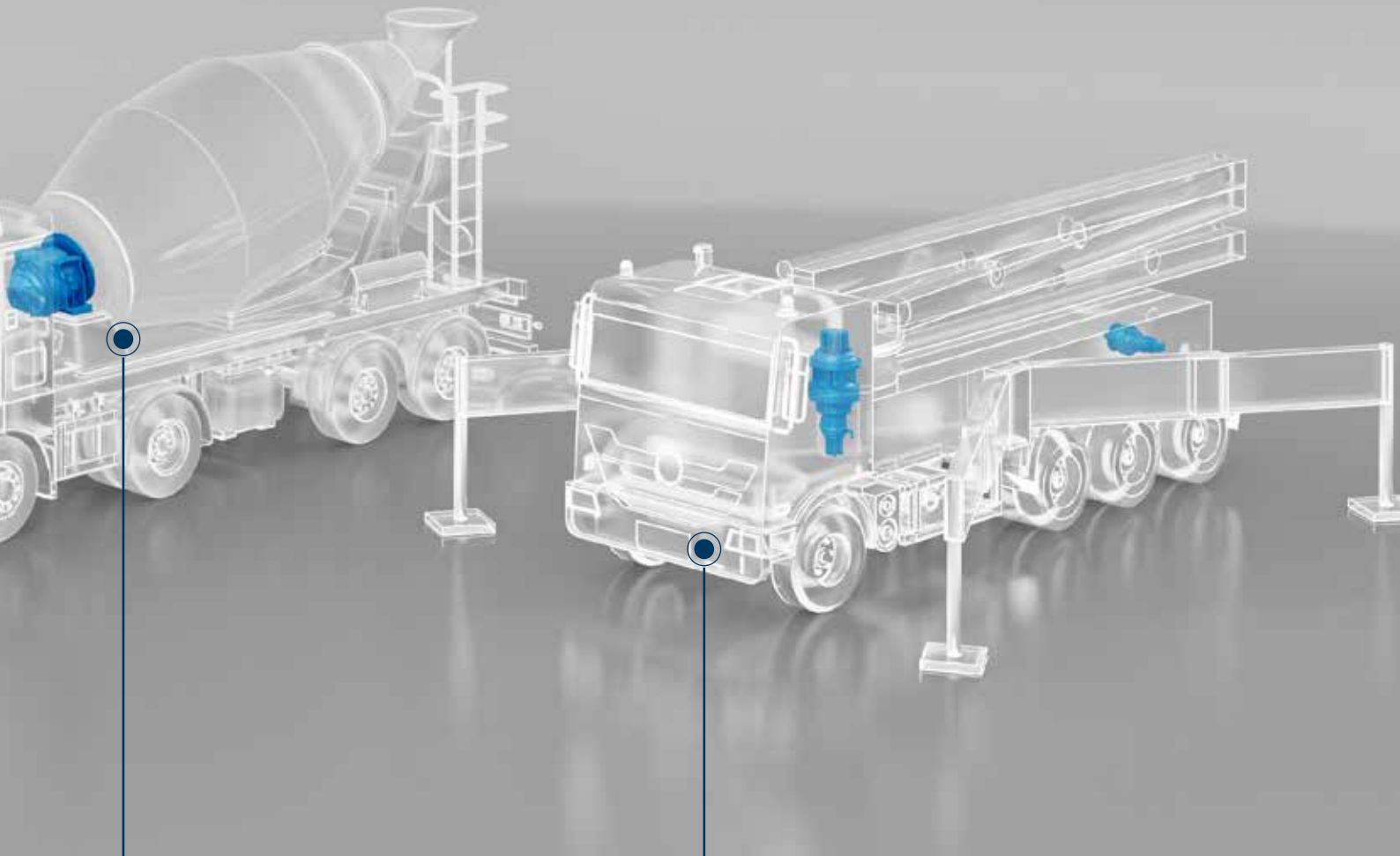


1 CONCRETE MIXERS



2 ASPHALT MIXERS





4 TRANSIT MIXER TRUCKS

3 TRUCK-MOUNTED CONCRETE PUMPS

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 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



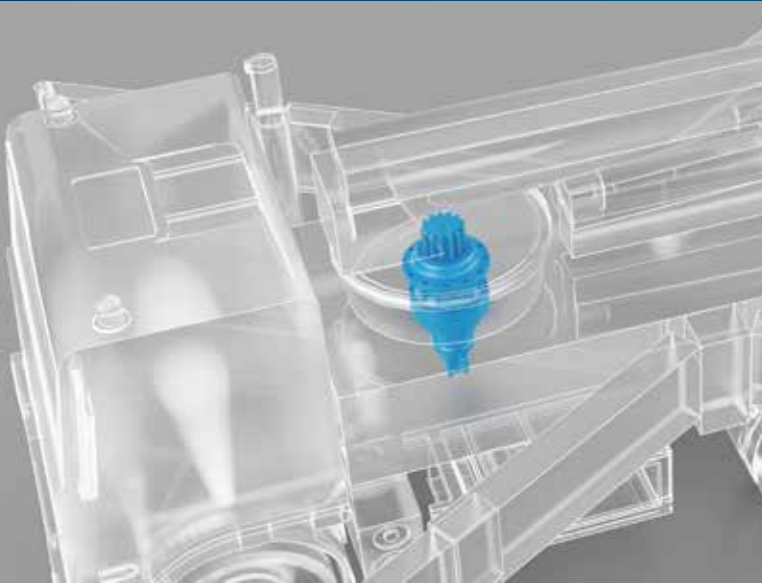
Active Cube Series

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	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		



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



500 Series

Drum drives



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

BENEFITS

FEATURES

- 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

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

TECHNICAL DATA

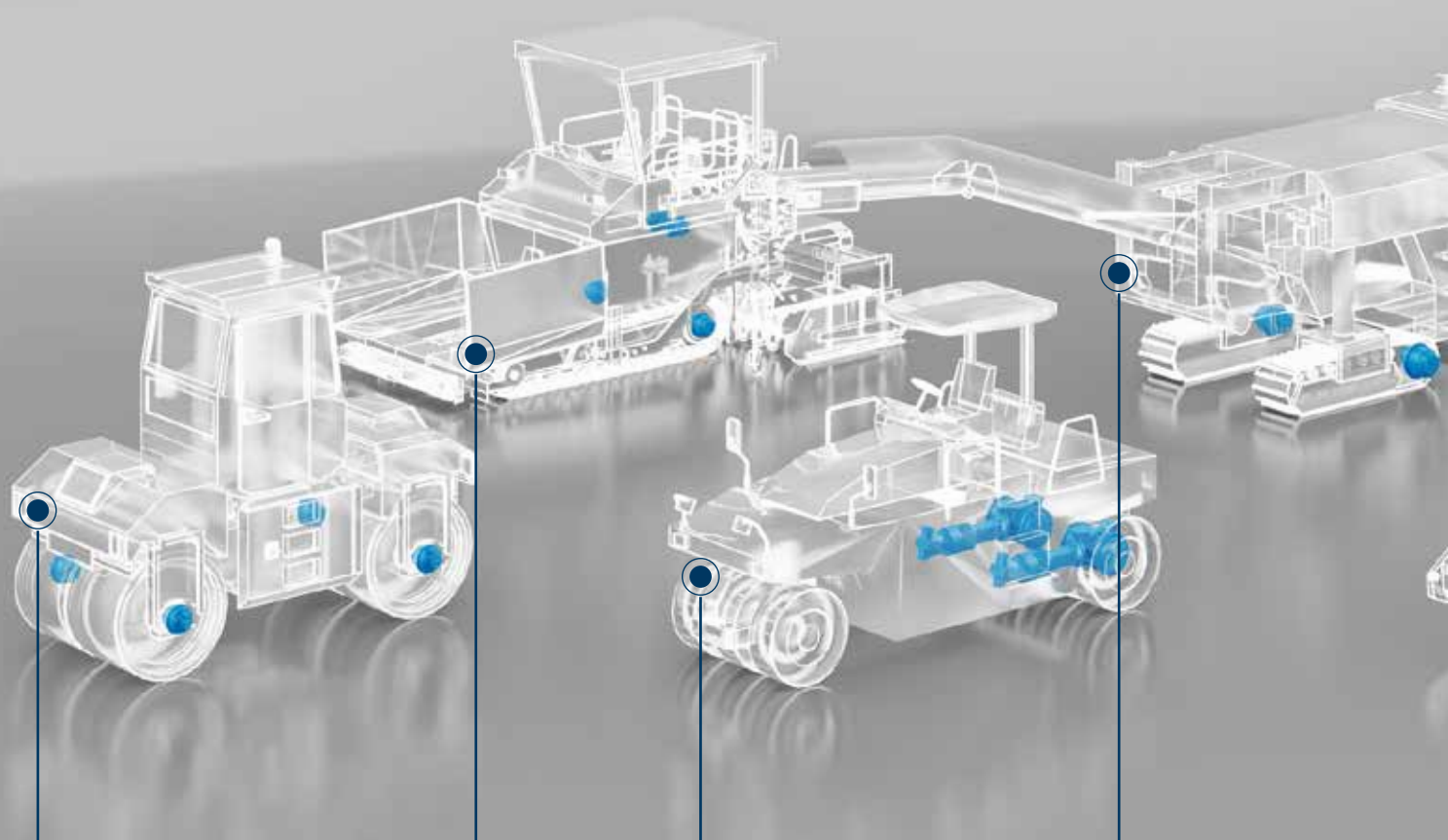
Torque (Nm) / Concrete Mixer capacity (m³)

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

Torque (Nm) / Concrete Mixer capacity (m³)

575	50.000 / 6-8
577	60.000 / 8-10
580	75.000 / 10-14

SOLUTIONS FOR Construction Industry

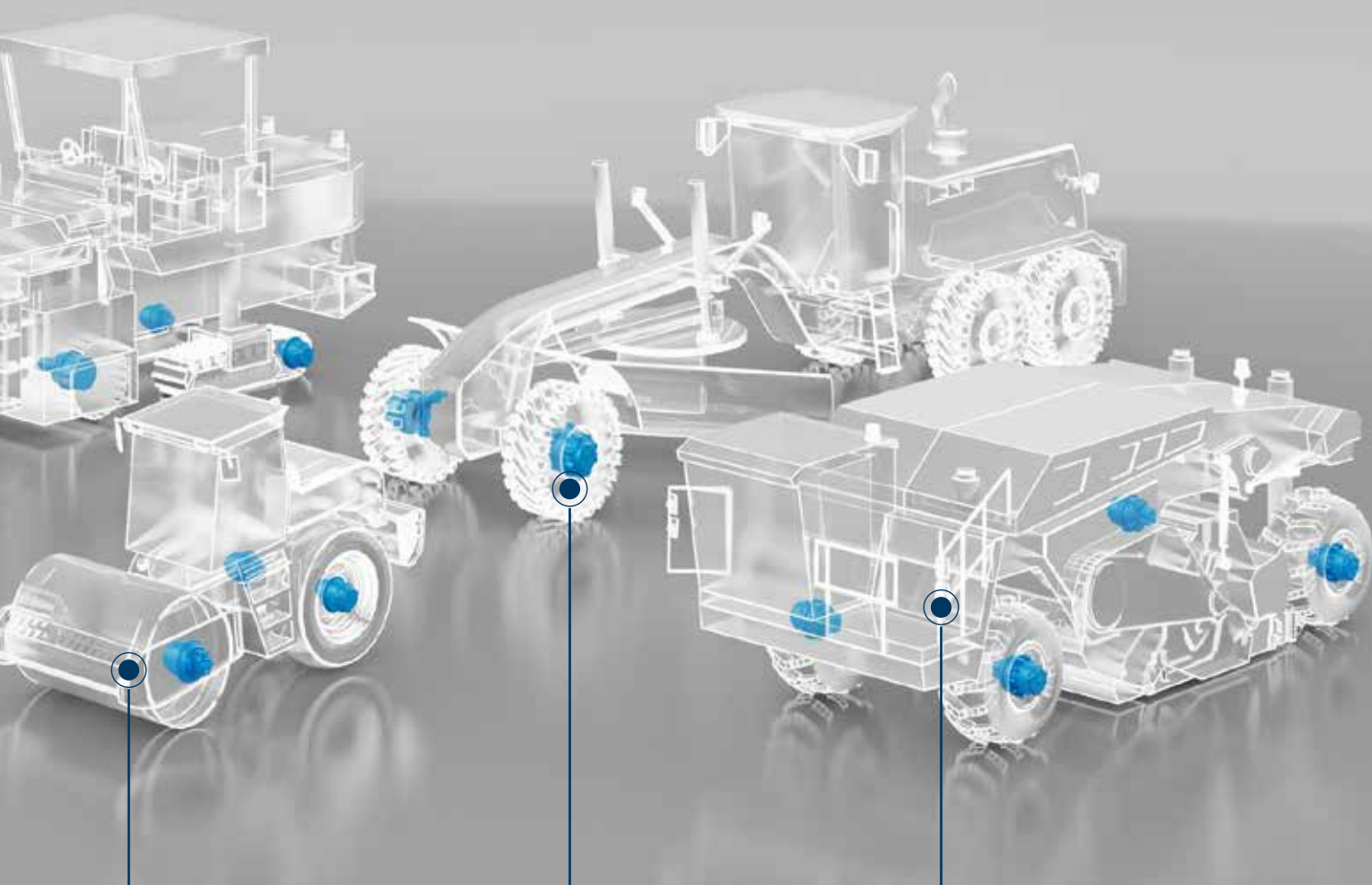


6 TANDEM
VIBRATORY
ROLLERS

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



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
- 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

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

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

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

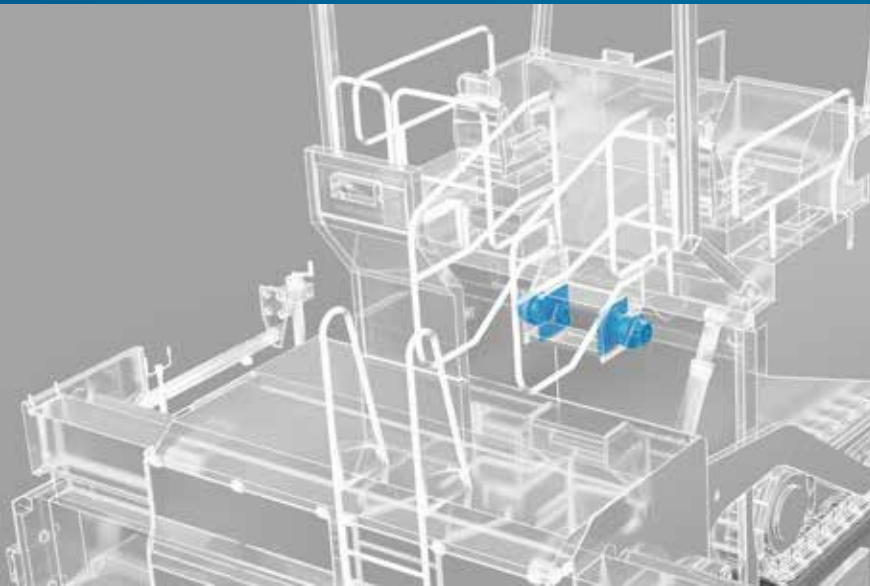
Torque (Nm)

606W3/4	18.000
610W2/3	40.000
611W2/3	55.000

BENEFITS

FEATURES

TECHNICAL DATA



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

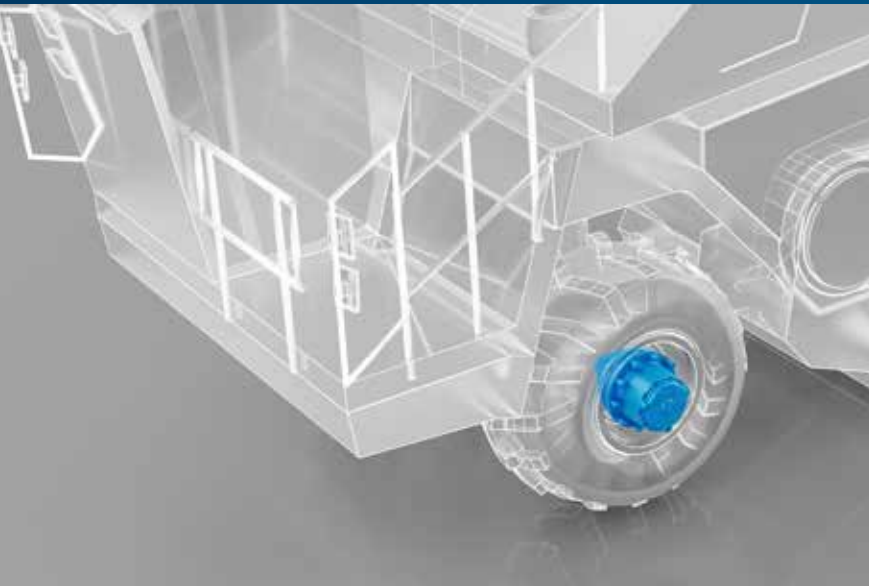
FEATURES

- 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

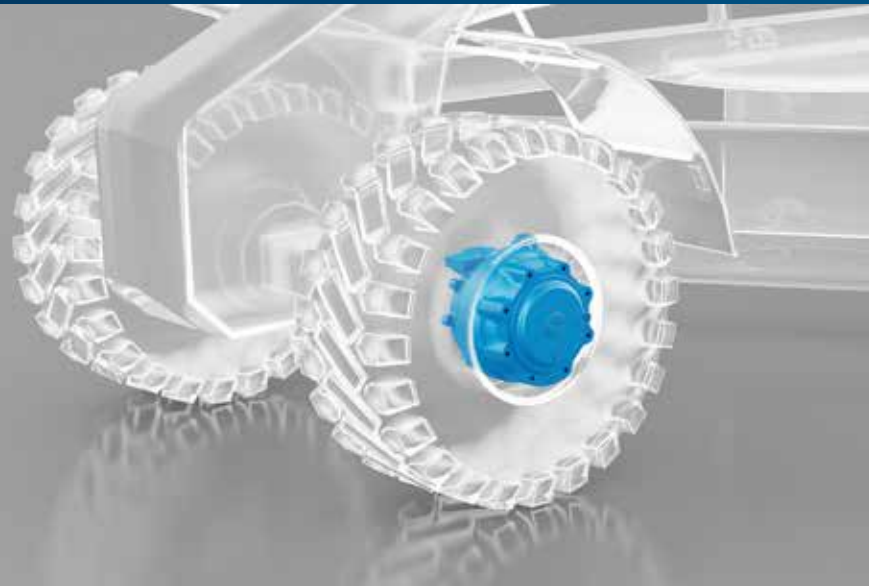
TECHNICAL DATA

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

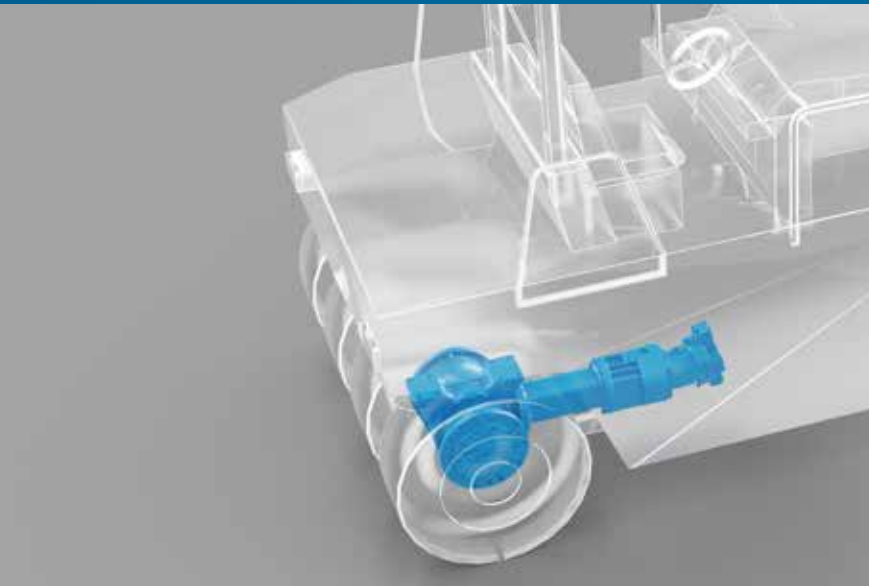
FEATURES

- 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

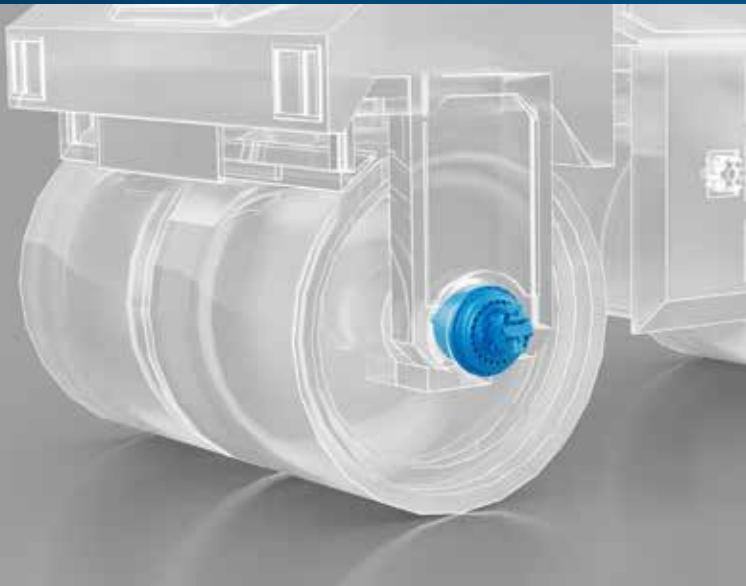
- Customized & compact design
- Resistant
- High performance

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

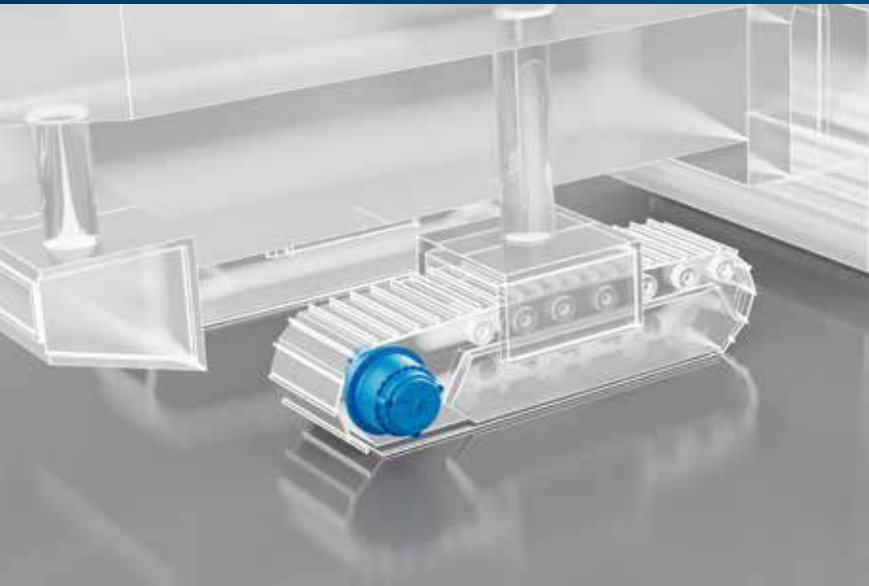
- Fitting for hydraulic and electric motors
- Integrated hydraulic brake available on request

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



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	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

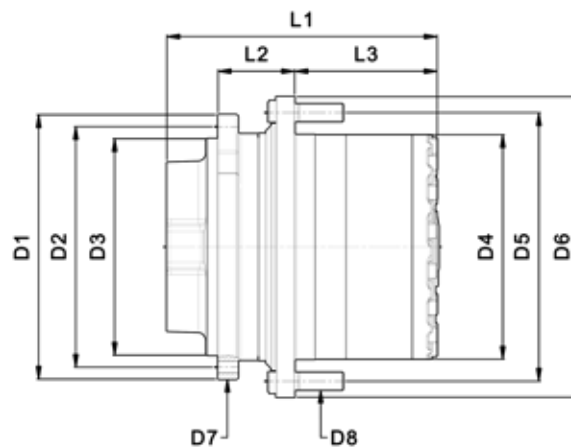
Technical data



600 Series

Wheel drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT
	1:	min ⁻¹		cc/rev	Nm	bar	kg
603 W	19 ÷ 40	3.500	Axial piston motor fixed or variable displacement	28 ÷ 45	210	18	45
605 W	22 ÷ 53	3.500		28 ÷ 60	220 ÷ 310	10 - 20	70
606 W	20 ÷ 128	4.000		28 ÷ 80	300 ÷ 800	15 - 20	110
607 W	26 ÷ 154	4.000		28 ÷ 80	300 ÷ 800	15 - 20	140
609 W	22 ÷ 147	4.000		45 ÷ 160	300 ÷ 800	15 - 20	170
610 X	22.5 ÷ 51.4	4.000		60 ÷ 160	800 ÷ 1.200	15 - 20	200

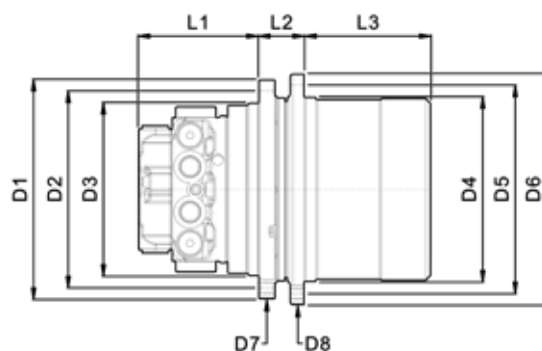


TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
603 W	270	230	190	200	245	280	M16x2 no.8	M18x1.5 no.6	230	72	128
605 W	270	230	190	220	275	310	M16x2 no.12	M20x1.5 no.8	260	72	158
606 W	330	300	270	280	335	370	M16x2 no.18	M22x1.5 no.10	330	115	200
607 W	317	285	240	300	355	400	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

700CP | 700CK Series

Track Drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT
	1:	min ⁻¹		cc/rev	Nm	bar	kg
700 CP	18 ÷ 23	3.800	MORV-20	20	20	10 - 20	18
700-2 CP	23 ÷ 32	3.800	MORV-20	20	20	10 - 20	25
701 CP	31	3.500	MORV-20	20	20	10 - 20	40
702 CP	36	3.500	MORV-26	26	22	10 - 20	40
704 CP	42	3.500	MORV-32	32	100	10 - 20	55
700 CK	32 ÷ 41	3.800	MAG-12	12	20	10 - 20	17
700-2 CK	30 ÷ 42	3.800	MAG-16	17.6	25	10 - 20	25
701 CK	30 ÷ 53	3.500	MAG-18	18.4	30	10 - 20	30
702 CK	37 ÷ 53	3.500	MAG-26	26	40	10 - 20	40
704 CK	45 ÷ 53	3.500	MAG-33	33	105	10 - 20	60
705 CK	24 ÷ 53	3.500	MAG-50	50	105	10 - 20	70
706 CK	68 ÷ 128	3.500	MAG-50	50	140	10 - 20	120
707 CK	46 ÷ 154	3.000	MAG-50	50	140	10 - 20	140
709 CK	55 ÷ 147	3.000	MAG-85	85	234	10 - 20	225
710 CK	44 ÷ 166	3.000	MAG-170	181	580	10 - 20	230

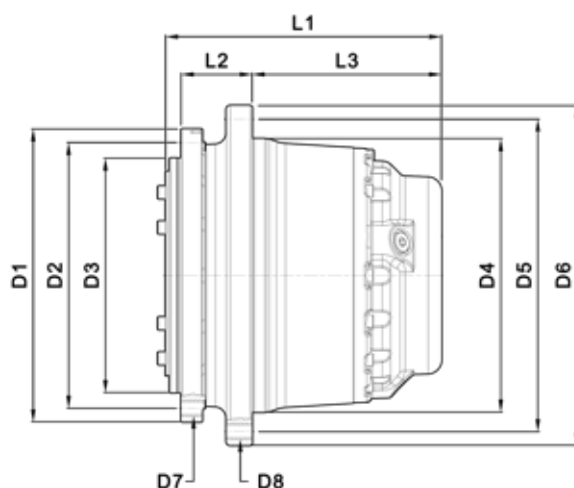


TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
700 CP	175	155	140	140	155	175	M10 no.8	M10 no.9	82	45	93
700-2 CP	190	170	150	160	180	200	M10 no.8	M10 no.9	120	40	110
701 CP	215	192	165	204	232	255	M12 no.9	M12 no.9	106	50	118
702 CP	215	192	165	204	232	255	M12 no.9	M12 no.9	80	70	118
704 CP	264	240	200	230	262	286	M14 no.12	M14 no.12	94	68	139
700 CK	175	155	140	140	155	175	M10 no.8	M10 no.9	69	40	92
700-2 CK	190	170	150	160	180	200	M10 no.8	M10 no.9	75	40	109
701 CK	215	192	165	190	215	240	M12 no.9	M12 no.9	124	50	124
702 CK	215	182	165	204	232	255	M12 no.9	M12 no.9	104	70	115
704 CK	264	240	200	230	262	286	M14 no.9	M14 no.9	99	68	146
705 CK	268	244	210	230	260	286	M14 no.12	M14 no.12	119	75	144
706 CK	308	280	246	280	330	370	M16 no.20	M16 no.12	119	100	193
707 CK	316	285	240	300	340	370	M20 no.20	M16 no.20	127	82	233
709 CK	375	340	300	330	370	400	M16 no.30	M16 no.30	113	99.5	245
710 CK	375	340	300	350	400	435	M16 no.30	M16 no.20	150	91	245

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	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	92 ÷ 211	3.000		107 ÷ 200	800 - 1.500	10 - 30	630	13 ÷ 22
718 C	87 ÷ 263	3.000		107 ÷ 250	800 - 1.500	10 - 30	750	22 ÷ 28
720 C	175 ÷ 287	3.000		107 ÷ 250	800 - 2.000	10 - 20	820	28 ÷ 35
722 C	296 ÷ 492	3.000		107 ÷ 250	900 - 2.800	10 - 20	1300	35 ÷ 45

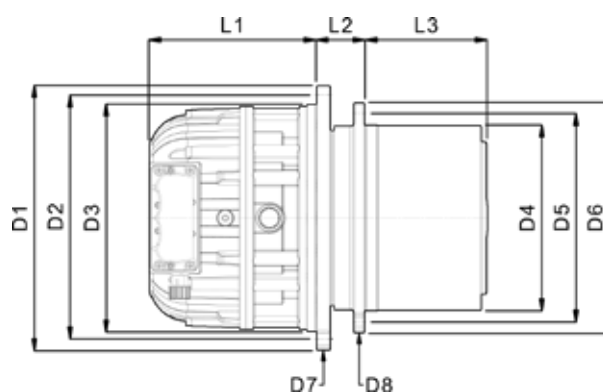


TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
705 C	270	230	190	220	260	300	M16x2 no.12	M16x2 no.16	250	72	158
706 C	330	300	270	280	330	370	M16x2 no.18	M16x2 no.18	340	115	190
707 C	317	285	240	300	340	370	M20x2.5 no.20	M16x2 no.20	340	82	233
709 C	375	340	300	330	370	400	M20x2.5 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	570	510	450	560	610	660	M30 no.20	M24 no.24	545	170	350
718 C	570	510	450	576	626	670	M24 no.30	M24 no.20	575	170	350
720 C	650	600	460	610	680	735	M30 no.30	M30 no.24	572	170	370
722 C	735	680	580	660	730	785	M30 no.30	M30 no.30	691	188	430

700CE Series | 700 CE ... 705 CE

Track Drives

TYPE	RANGE OF RATIOS	ELECTRIC MOTOR DRIVE	MOTOR NOMINAL POWER	WEIGHT	MACHINE WEIGHT
	1:		KW	kg	tons
700-2 CE	30-42	BPM200L1	5	45	1-2
701 CE	53	BPM200L1	5	48	2-3
702 CE	53	BPM200L2	8	50	3-4
705 CE	53	BPM200L2	8	70	5-7

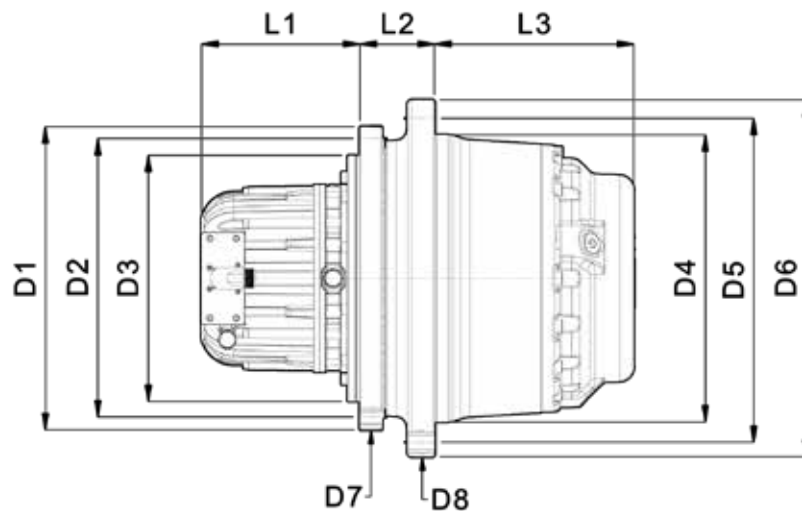


TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
700-2 CE	260	245	210	160	180	200	M8 no24	M10 no12	179	51	110
701 CE	270	248	232	190	215	235	M10 no16	M12 no9	171	50	125
702 CE	270	250	232	204	232	255	M12 no9	M12 no9	217	70	114
705 CE	290	260	232	230	266	286	M14 no12	M14 no12	197	75	144

700CE Series | 707 CE ... 713 CE

Track Drives

TYPE	RANGE OF RATIOS	MAX INPUT SPEED	ELECTRIC MOTOR DRIVE	MOTOR NOMINAL POWER	WEIGHT	MACHINE WEIGHT
	1:	min ⁻¹		KW	kg	tons
706CE	68-225	4000	BPM200L2-4	8	130	7-13
709CE	55-147	4000	BPM200L1-4	8	155	13-22
710CE	55-166	4000	BPM200L2	8	165	22-28
711CE	71-163	3500	BPM200L4	16	270	28-35
713CE	56-147	3500	BPM200L4	16	290	35-45



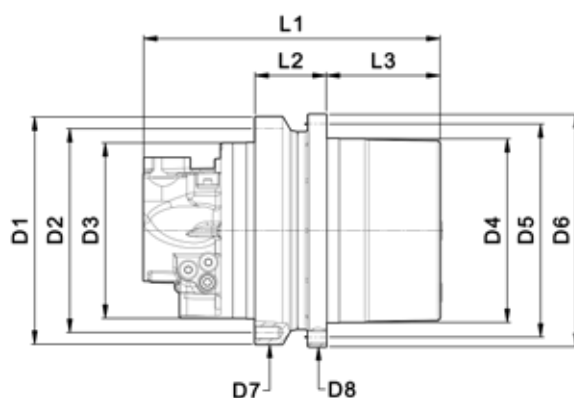
TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1*	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
706 CE	330	300	270	280	330	370	M16 no18	M16 no18	190	115	198
709 CE	375	340	300	330	370	400	M20 no16	M16 no30	193	91	243
710 CE	375	340	300	350	400	435	M16 no30	M20 no20	193	91	243
711 CE	425	325	280	410	455	490	M20 no24	M20 no24	320	110	265
713 CE	425	325	280	410	455	490	M20 no24	M20 no24	320	110	280

* depends on motor type

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

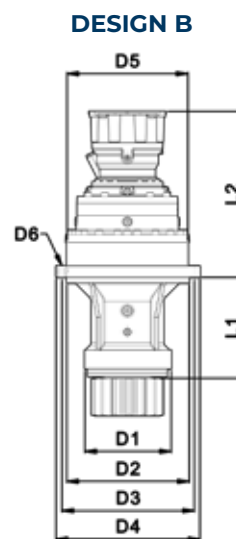
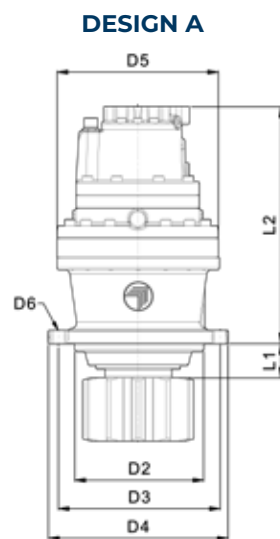


TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
704CT	272	244	210	220	255	278	M16X2 n12	M16X2 n12	355	85	136
705CT	272	244	210	220	255	278	M16X2 n12	M16X2 n12	355	85	136
705XT	335	300	270	250	285	320	M16X2 n12	M16X2 n12	433	112	164
706CT	330	300	270	280	320	345	M16X2 n18	M16X2 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	3-7	500	Orbital motors	50-250	50-400	10-30	30	A	1-2
701 T	3-33	500		50-250	50-400	10-30	45	A	3-4
703 T	15-35	3000	Axial piston motor fixed or variable displacement	28-80	50-400	10-30	50	A	4-6
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
	mm	mm	mm	mm	mm	mm	mm	mm		
700 T	-	150	195	220	186	13	31	300	Pinion module / number of teeth UPON REQUEST	
701 T	-	150	195	220	186	13	31	325		
703 T	-	175	245	272	245	18	41	400		
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		

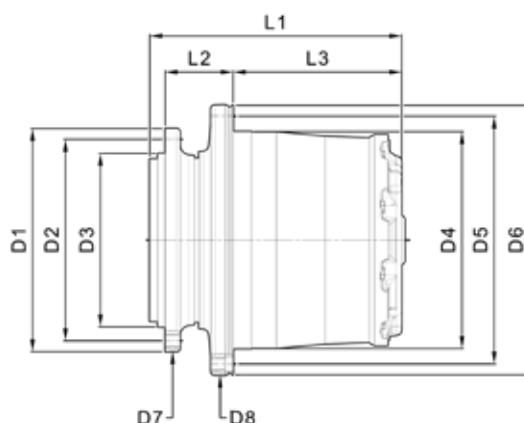
SOLUTIONS FOR Construction Industry

F Series | Standard version

Track drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT
	1:	min ⁻¹		cc/rev	Nm	bar	kg
F13	41 ÷ 229	3.500	Axial piston motor fixed or variable displacement	28 ÷ 45	200	17	50
F20	61 ÷ 228	3.500		28 ÷ 45	300	16	72
F30	19 ÷ 307	3.500		28 ÷ 63	255 ÷ 400	16 ÷ 22	94
F40	19 ÷ 409	4.000		40 ÷ 63	420	18	115
F55	16 ÷ 185	3.000		80 ÷ 90	390 ÷ 500	15 ÷ 21	165
F80	55 ÷ 166	3.000		80 ÷ 180	375 ÷ 1.000	18 ÷ 28	230
F100	19 ÷ 586	3.000		107 ÷ 180	600 ÷ 900	13 ÷ 15	330
F130	14 ÷ 825	3.000		107 ÷ 180	750	19	452
F180	62 ÷ 156	3.000		160 ÷ 180	800 ÷ 1.375	35	636
F220	25 ÷ 1861	3.000		107 ÷ 280	1.200	15	740
F260	19 ÷ 843	nn *		160 ÷ 355	1.000	15	865
F280	19 ÷ 243	nn *		250	1.650	15	1.037
F360	25 ÷ 1.784	3.000		355	1.700	12	1.080
F420	89 ÷ 289	2.900 *		160 (2x)	1.000	18	1.500
F560	82 ÷ 2.630	4.500 *		160	900	13	2.000
F620	30 ÷ 1.059	3.000		160 (x2) ÷ 500 (x1)	1.200	28	2.897
F650	380 ÷ 682	nn *		215 (x2)	1.150	17	1.660
F700	377 ÷ 650	2.150 *		250 (x2) ÷ 280 (x2)	1.200	28	3.350
F800	23 ÷ 298	1.500 *		250 (x2) ÷ 280 (x2)	1.000	7.8	3.764
F1100	404 ÷ 1.088	nn *		250 (x2) ÷ 280 (x2)	1.750	20	7.220
F1300	461 ÷ 766	nn *		250 (x2)	1.750	20	7.400
F1700	744	nn *		280 (x2)	1.200 (x2)	28	10.515
F2200	551	3.000		250 (x2) ÷ 355 (x2)	2.300	22	10.736
F3000	698	3.600		250 (x2) ÷ 280 (x2)	1.700	12	11.500

* depending on customer request



TYPE	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
F13	256	230	190	220	260	290	M16x2 no.12	M16x2 no.8	255	72	153
F20	304	275	240	270	305	335	M16x2 no.18	M16x2 no.18	300	75	184
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	Ø33 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	1.026	130	428
F560	1.105	1.055	980	785	835	890	M36x1.5 no.29	M30x1.5 no.42	831,5	255	587
F620	880	810	730	885	965	1.020	M30x2 no.41	M30x2 no.48	1.287	245	522
F650	563	515	450	570	620	763	M36x1.5 no.29	M30x1.5 no.42	846,5	255	519
F700	1.310	1.230	1.110	1.250	1.350	1.430	M36x1.5 no.48	M42x2 no.40	1.839	310	914
F800	1.050	980	830	920	976	1.055	M30x2 no.48	M30x2 no.48	1.315	229	373
F1100	1.310	1.230	1.110	1.226	1.170	1.116	M36x4 no.48	M30x3.5 no.52	1.512	503	585
F1300	1.310	1.230	1.110	1.226	1.170	1.116	M36x4 no.48	M30x3.5 no.52	1.500	503	593
F1700	1.310	1.230	1.110	1.250	1.350	1.430	M36x1.5 no.48	M42x2 no.40	1.839	310	914
F2200	1.500	1.400	1.288	1.230	1.320	1.400	M42x3 no.50	M42x3 no.48	1.846	343	912
F3000	1.500	1.400	1.288	1.230	1.320	1.400	M42x3 no.50	M42x3 no.48	2.000	343	1.051

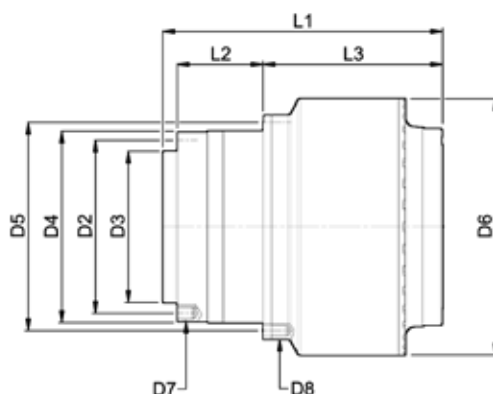


F Series | Crawler crane version

Track drives

TYPE	RANGE OF RATIOS	MAX. INPUT SPEED	HYDRAULIC MOTOR DRIVE	MOTOR DISPLACEMENT	BRAKING TORQUE	MIN. OPENING PRESSURE	WEIGHT
	1:	min ⁻¹		cc/rev	Nm	bar	kg
F180CC	62 ÷ 156	3000	Axial piston motor fixed or variable displacement	160 ÷ 180	800 ÷ 1.375	35	636
F220CC	25 ÷ 1.861	3000		107 ÷ 280	1.200	15	740
F260CC	19 ÷ 843	nn *		160 ÷ 355	1.000	15	865
F280CC	19 ÷ 243	nn *		250	1.650	15	1.037
F360CC	25 ÷ 1.784	3000		355	1.700	12	1.080
F440CC	147 ÷ 3.651	3000		160 ÷ 250	1.000 ÷ 1.700	7.8 ÷ 15	1.300
F560CC	82 ÷ 2.630	4500 *		160	900	13	2.000
F620CC	30 ÷ 1.059	3000		160 (x2) ÷ 500 (x1)	1.200	28	2.897
F650CC	380 ÷ 682	nn *		215 (x2)	1.150	17	1.660
F700CC	377 ÷ 650	2150 *		250 (x2) ÷ 280 (x2)	1.200	28	3.350
F810CC	780	nn *		215	1.200	15	2.920
F1800CC	656 ÷ 744	nn *		250 (x2) ÷ 280 (x2)	1.200	28	7.500
F2000CC	516 ÷ 989	1800		250 (x2) ÷ 355 (x2)	2.300	22	10.700

* depending on customer request

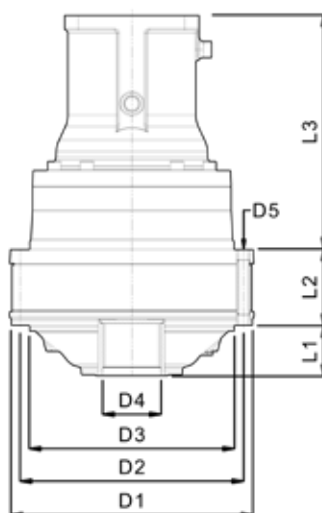


TYPE	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
F180CC	400	340	445	495	548	M33x1.5 no.24	M27x2 no.30	564	171	363
F220CC	474	428	523	570	608	M30x2 no.30	M24x1.5 no.36	632	166	441
F260CC	474	428	523	570	608	M30x2 no.30	M24x1.5 no.36	641	166	450
F280CC	390	341	591	645	680	M30x2 no.23	Ø22 no.36	610	200	385
F360CC	510	450	551	608	655	M30x1.5 no.33	M30x1.5 no.33	753,5	205	508,5
F440CC	515	450	570	620	670	M36x3 no.30	M30x3 no.30	820	255	516
F560CC	515	450	570	620	763	M36x1.5 no.29	M30x1.5 no.42	831,5	255	533
F620CC	726	668	780	830	880	M36x1.5 no.30	M36x1.5 no.45	773	405	368
F650CC	515	450	570	620	763	M36x1.5 no.29	M30x1.5 no.42	846,5	255	548,5
F700CC	726	668	780	850	900	M36x1.5 no.30	M36x1.5 no.45	1372	405	492,5
F810CC	695	570	675	785	836	M30x3.5 no.39	Ø26 no.32	1.438,5	125	522
F1800CC	851	785	935	1.016	1.224	M42x2 no.40	M42x2 no.40	1.809	478	702
F2000CC	858	785	935	1.016	1.224	M48x2 no.36	M48x2 no.36	1.963	478	854

300 Series

Multipurpose planetary drives

TYPE	RANGE OF RATIOS	MAX INPUT SPEED	HYD MOTOR DRIVE	MOTOR DISPLACEMENT	WEIGHT	MACHINE WEIGHT
	1:	min ⁻¹		cc/rev	kg	tons
309	14-38	3.500	Axial piston motor fixed or variable displacement	107-200	130	50
310M	14-38	3.500		107-200	180	100
311M	14-38	3.500		107-250	250	150
313M	14-33	3.500		160-280	280	200



TYPE	D1	D2	D3	D4	D5	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm
309	348	314	278	80x74x36 DIN 5482	Ø17 no12	82	117	200
310M	400	370	340	100x94x44 DIN 5482	Ø17 no15	95	110	260
311M	428	390	358	100x94x44 DIN 5482	Ø17 no24	88	134	266
313M	445	415	385	120x3x38 DIN 5480	Ø17 no30	81	169	340

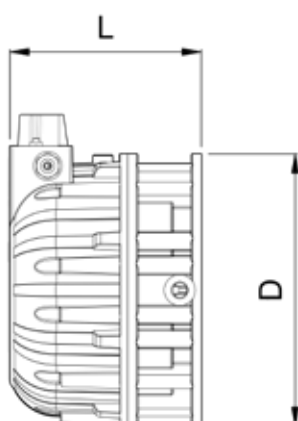
BPM MOTOR Series

Pump Drives

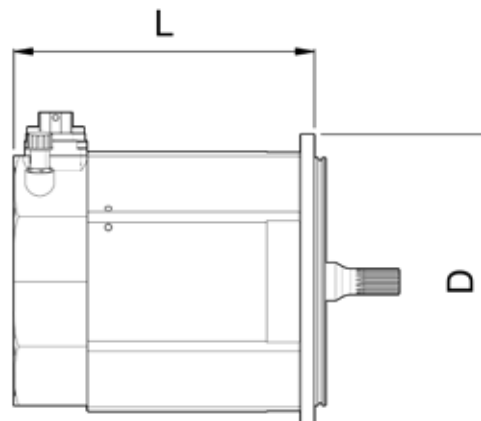
TYPE	MAX INPUT SPEED*	POWER	WEIGHT	DIMENSIONS	
	rpm	kW	kg	L mm	D mm
BPM200L1	up to 6.000	5	18	161	228
BPM200L2	up to 6.000	8	25	178	228
BPM200L3	up to 6.000	11	33	255	250
BPM200L4	up to 6.000	16	38	255	250
BPM240L4	up to 6.000	30	90	284	295
BPM240L7	up to 6.000	46	140	365	295
BPM300L8	up to 6.000	110	180	525	360

* Depends on configuration/application

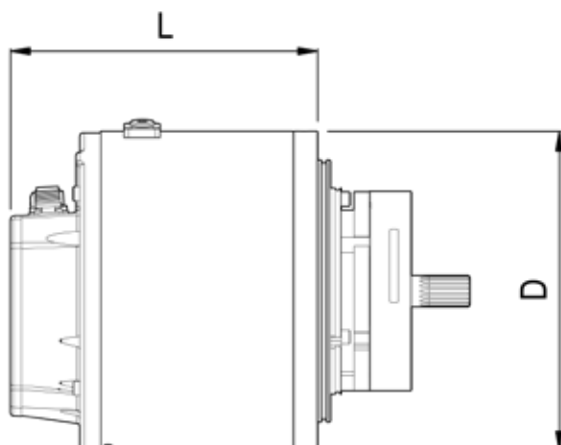
BPM200 (L1-L2)



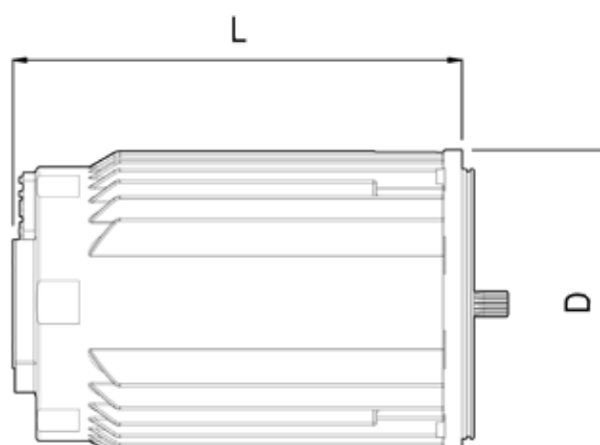
BPM200 (L3-L4)



BPM240



BPM300



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.

18  PRODUCTION SITES

24  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



SOUTH KOREA

Bonfiglioli Korea Co., Ltd.
Busan



SPAIN

Tecnotrans Bonfiglioli S.A
Castellbisbal - Barcelona



TURKEY

Bonfiglioli Türkiye Jsc
Çiğli - Izmir



UNITED KINGDOM

Bonfiglioli UK Ltd.
Warrington - Cheshire



USA

Bonfiglioli USA Inc.
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.

HEADQUARTERS

Bonfiglioli S.p.A.

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

