

Solutions for Agriculture & Forest machinery

Agriculture & Forestry



MARKETS &
APPLICATIONS







Agriculture & Forestry



Cutter drives

300 Series

Auger drives

700T Series

Wheel drives

600 Series

600WT Series

600W Series

600 Series with Integrated Service and Parking brakes

Track drives

700C Series

F Series

Slew drives

700T Series

S Series

The most reliable solutions for Agriculture and Forest machinery

With more than 40 years of experience alongside major players on the market, Bonfiglioli is able to create, design and produce tailored-made drives for a wide range of applications in the agricultural sector, such as sprayers, harvesters, feed mixers and forestry machines.

Through innovation, reliability, efficiency, cost-optimization and flexibility, Bonfiglioli experts help you to meet your customers' needs and requirements.

The vast range of customised solutions and extensive expertise in the industry, make Bonfiglioli the ideal partner for all manufacturers of agricultural and forestry machinery.

Bonfiglioli also provides solutions for:



BIOGAS ENERGY



SUGAR CANE MILL PLANTS

www.bonfiglioli.com



Cutter drives



300 Series

The 300 series is compact and powerful. Their planetary drive train makes them the ideal choice for all severe duty applications where shock loads and impacts are more the rule than the exception. The product configuration is highly versatile, due to several options for mounting, gear layout, output shaft and motor interface. All the features are available for each of the 20 finely spaced frame sizes, with a torque range of 1,000 to 1,100,000 Nm.



HYDRAULIC SOLUTIONS



SELF-PROPELLED
FEED-MIXERS



TRAILED
FEED-MIXERS

Brake options

- Hydraulically released parking brake on request

Output

- Foot and flange mounted
- Output shaft: solid with key, splined, splined hollow, hollow with shrink disc

Input

- Flanged axial piston hydraulic motors
- Hydraulic orbit motors
- IEC and Nema motor adapters
- Solid input shaft

Applicable motors

- Piston hydraulic motors
- Hydraulic orbit motors
- Electric motors IEC

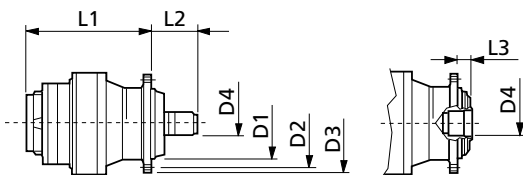
Torque (Nm)

307	12,500
309	18,000
310	25,000
311	40,000
313	55,000



Type	Max power	Max input speed	Range of ratios	Design	Machine weight
	kW	rpm	1:		
307	100	2500	3.4 - 336	A	up to 4
309	130	2500	3.4 - 336	B	4 - 5
310	150	2000	4 - 350	B	5 - 6
311	180	2000	4 - 291	B	6 - 8
313	200	2000	4 - 304	B	8 - 10

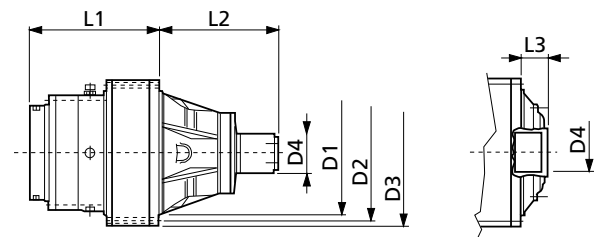
Design A
300 - 307



Output HZ

Output FZ

Design B
309 - 325



Output HZ

Output FZ

Type	D1	D2	D3	D4	L1 (2 stages)	L2	L3
307	230	295	325	80x74 DIN 5482	300	162	36
309	278	314	348	80x74 DIN 5482	215	231	82
310	340	370	400	100x94 DIN 5482	245	290	95
311	358	390	428	100x94 DIN 5482	250	320	88
313	385	415	445	120x3 DIN 5480	310	357	81

Auger drives



700T Series

With a reliable optimized design, the Bonfiglioli 700T Series for auger applications meets all feed mixer requirements. The different interfaces make this series very flexible. Two shafts for the in-line and multi-auger models are also two fundamental features.



HYDRAULIC SOLUTIONS



SELF-PROPELLED
FEED-MIXERS



TRAILED
FEED-MIXERS

Gear ratios

- 15.4 ... 18.3

Input speed

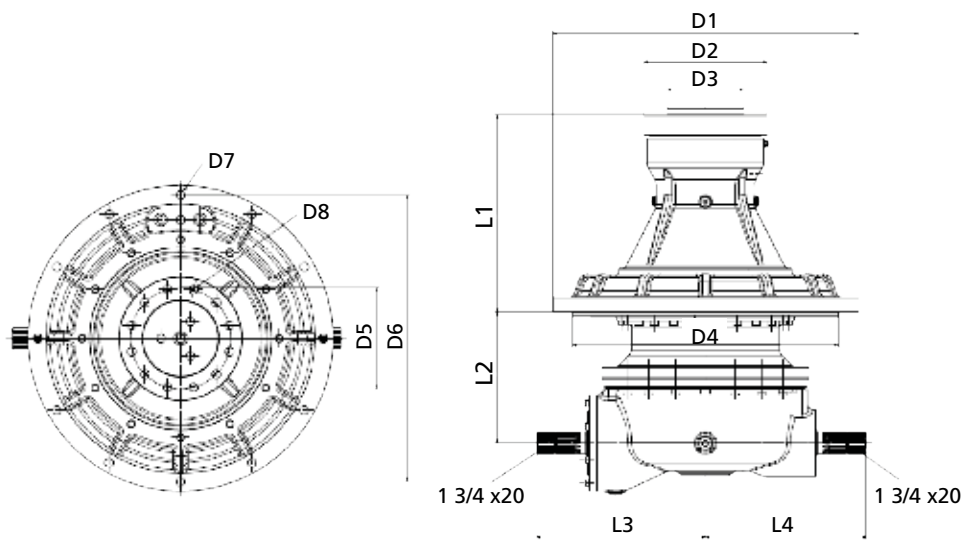
- 540 rpm

Torque (Nm)

709 T2	16,000
711 T2	21,000



Type	Nominal output torque	Max. output torque	Max. input speed	Range of ratios	Machine weight
	Nm	Nm	rpm	1:	tons
709 T	16,000	32,000	540	15.4 - 18.2	up to 8
711 T	21,000	42,000	540	15.4 - 18.3	8 - 12



Type	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4
709 T	620	250	154.8	540	205	580	D18 no.12	M20x1.5 no.12	399	285	342	346
711 T	620	250	154.8	540	205	580	D18 no.12	M20x1.5 no.12	399	305	342	346

Wheel drives



600 Series

The Bonfiglioli 600 Series is the best solution when designing wheeled off-road machinery. With a compact design, high torque and load capacities, a negative multi-disk parking brake and an optional disengagement device to tow the vehicle in an emergency, these solutions precisely match the application requirements.



HYDRAULIC SOLUTIONS



COMBINE
HARVESTERS



FORAGE
HARVESTERS



GRAPE
HARVESTERS



POTATO,
CARROT
HARVESTERS



SELF-
PROPELLED
FEED-MIXERS



SELF-
PROPELLED
SPRAYERS



SUGAR CANE
HARVESTERS

Input speed

- up to 4,000 rpm

Brake options

- Hydraulically released parking brake on request

Applicable motors

- Cartridge axial piston hydraulic motors
- Flanged axial piston hydraulic motors
- Hydraulic orbit motors
- DC electric motor brake

Main options

- Dynamic & service brake

Key benefits

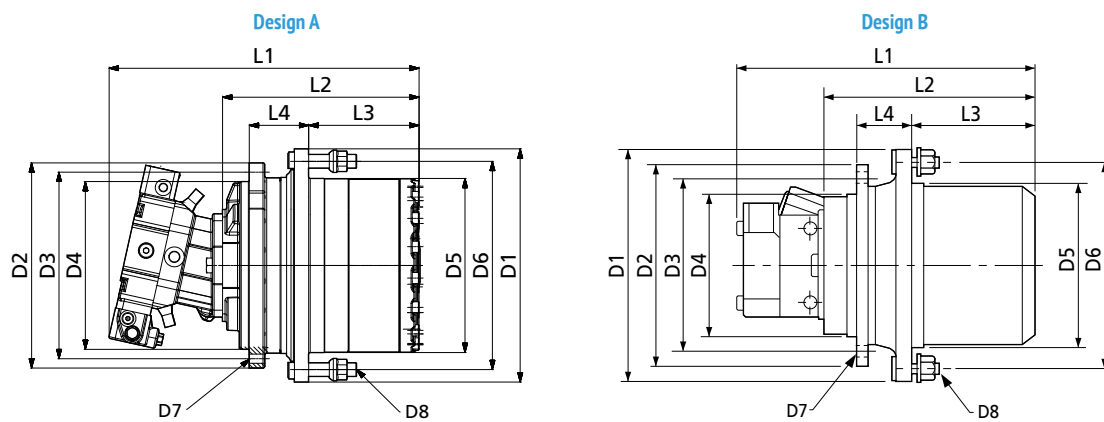
- Rotating housing flange with studs to fit wheels and drums
- Rugged design
- High torque capacity
- High load capacity
- Mechanical lifetime seals
- Compact design
- Optional mechanical gear disengagement on request

Torque (Nm)

603 W.V	5,000
603 W.L	7,000
605 W.V	10,000
606 W2B	12,000
606 W2..	17,000
607 W.V	22,000
609 W.V	30,000
610 W.V	36,000
610 X	40,000
611 W.V	45,000



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.V	19 ÷ 40	3,500	Axial piston motor fixed or variable displacement	28 ÷ 45	210	18	45	up to 8	B
603 W.L	19 ÷ 40	3,500		28 ÷ 45	210	18	45	up to 8	B
605 W.V	22 ÷ 53	3,500		28 ÷ 60	220 ÷ 310	10 - 20	70	5 ÷ 8	B
606 W2B	26-32	4,000		45 ÷ 80	300 ÷ 800	15 - 20	90	up to 12	A
606 W2..	20 ÷ 128	4,000		28 ÷ 80	300 ÷ 800	15 - 20	110	up to 14	A
607 W.V	26 ÷ 154	4,000		28 ÷ 80	300 ÷ 800	15 - 20	140	14 ÷ 18	A
609 W.V	22 ÷ 147	4,000		45 ÷ 160	300 ÷ 800	15 - 20	170	16 ÷ 22	A
610 W.V	55 ÷ 166	4,000		60 ÷ 160	300 ÷ 800	15 - 20	200	22 ÷ 28	A
610 X	22.5 ÷ 51.4	4,000		60 ÷ 160	800 ÷ 1,200	15 - 20	200	25 ÷ 35	A
611 W.V	41 ÷ 163	4,000		107 ÷ 160	800 ÷ 1,200	15 - 20	250	30 ÷ 40	B



Type	Design	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4
603 W.V	B	280	270	230	190	200	245	M16x2 no.8	M18x1.5 no.6	Based motor type	230	128	72
603 W.L	B	280	270	230	190	160	205	M16x2 no.8	M18x1.5 no.6		230	25	175
605 W.V	B	310	270	230	190	220	275	M16x2 no.12	M20x1.5 no.8		260	158	72
606 W2B	A	370	310	275	240	280	335	M16x2 no.12	M20x1.5 no.10		260	156	75
606 W2..	A	370	330	300	270	280	335	M16x2 no.18	M22x1.5 no.10		330	200	115
607 W.V	A	400	317	285	240	300	355	M20x2.5 no.20	M18x1.5 no.20		335	233	82
609 W.V	A	435	375	340	300	350	400	M20x2.5 no.16	M22x1.5 no.16		350	243	91
610 W.V	A	435	375	340	300	350	400	M20x2.5 no.16	M22x1.5 no.16		350	243	91
610 X	A	440	410	370	330	360	400	M20x2.5 no.20	M20x2.5 no.16		383	268	90
611 W.V	B	490	425	325	290	410	455	M20x2.5 no.24	M20x1.5 no.24		375	242	110

Wheel drives



600WT Series

Bonfiglioli 600WT wheel drives are the best choice for wheeled agricultural equipment, such as self-propelled agricultural sprayers. This solution is the perfect combination of proven mechanical parts, with a new, integrated 45 & 68 cc variable hydraulic motor, especially developed for closed-loop, highly demanding applications.



HYDRAULIC SOLUTIONS



SELF-PROPELLED
SPRAYERS

Input speed

- up to 4,000 rpm

Gear ratios

- 22 ... 53

Brake options

- Mechanical gear disengagement
- Speed sensor
- Dynamic service brake with inspection port, directly serviceable from motor side (no need to remove it from the machine)

Main options

- Dynamic & service brake

Motors

- Integrated swash plate variable hydraulic motor
- Available with both hydraulic two position or electric proportional variable displacement control
- Zero displacement capacity

Key features

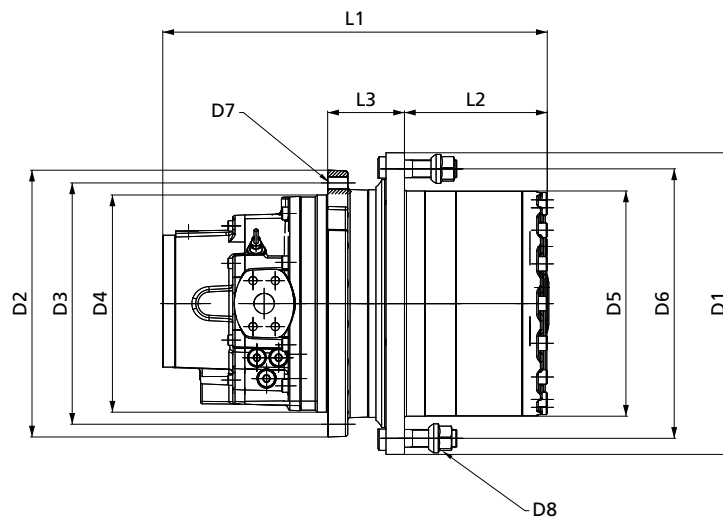
- Integrated swash plate hydraulic motor
- Available with both hydraulic two-position or electric proportional variable displacement control
- Zero-displacement capability
- Spring-applied hydraulic-release integrated parking brake
- Faster, easier installation on the machine

Torque (Nm)

605 XT	12,000
606 WT	17,000
607 WT	22,000



Type	Range of ratios	Max. input speed	Hydraulic motor drive	Motor displacement min/max	Braking torque	Min. opening pressure	Weight	Machine weight
	1:	rpm		cc/rev	Nm	bar	kg	tons
605 XT	22.6 ÷ 36.5	4000	Axial piston, variable displacement	45/17	310	18	80	6 ÷ 10
606 WT	23 ÷ 53	4000		68/25	540	18	100	10 ÷ 15
607 WT	23 ÷ 46	4000		68/25	540	18	120	15 ÷ 18



Type	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
605 XT	375	332	300	270	280	335	M16 n12	M20X1.5 n10	370	138	95
606 WT	375	332	300	270	280	338	M16 n12	M22X1.5 n10	450	177	95
607 WT	400	330	300	270	300	355	M16 n18	M22X1.5 n12	470	193	95

Wheel drives for hybrid agriculture machinery



600W Series

Bonfiglioli's 600W planetary wheel drives can be coupled to a high-power density electric motor, instead of a conventional hydraulic motor. This complete mechatronic solution is designed for a high voltage hybrid powertrain system and was originally conceived for self-propelled crop sprayers.



COMBINE
HARVESTERS



FORAGE
HARVESTERS



POTATO, CARROT
HARVESTERS



SELF-PROPELLED
SPRAYERS



SUGAR CANE
HARVESTERS

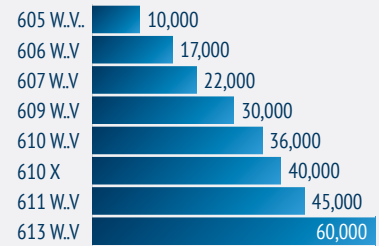
Advantages for OEM

- Possibility of downsizing and downspeeding combustion engines
- Ease of installation: electric solution dimensions comparable to standard hydrostatics
- Higher system reliability: fewer mechanical parts
- Virtually maintenance-free electric motors
- From wheel bolt to electric wire with only one supplier

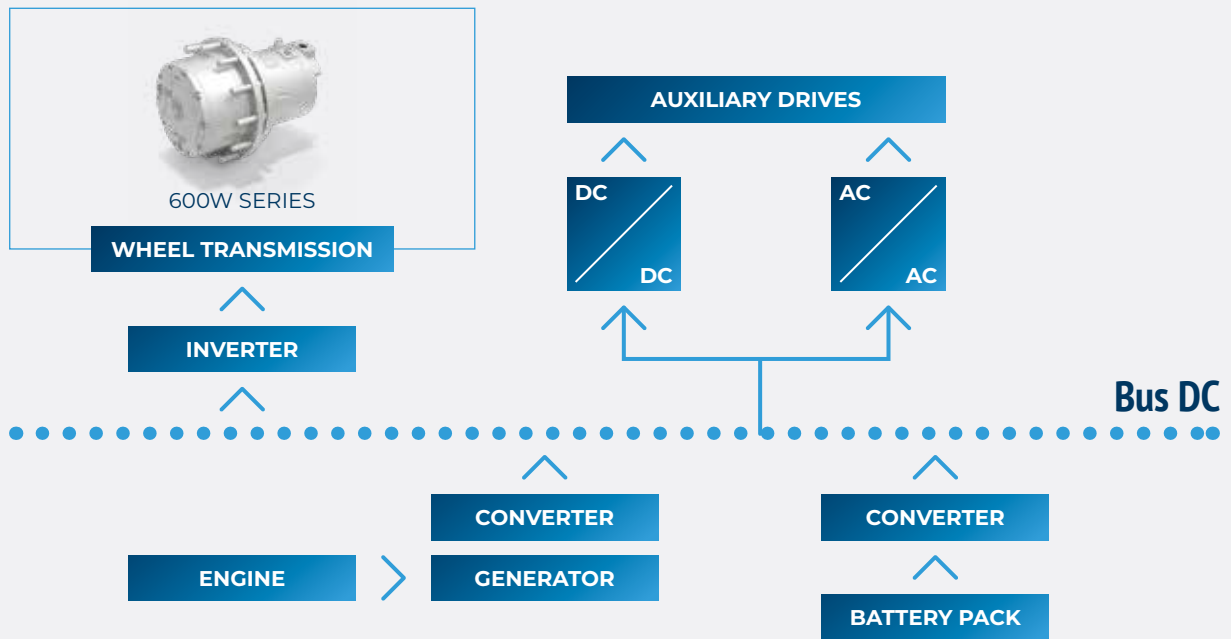
Advantages for final user

- Reduction of fuel consumption
- Increase of productivity
- Better machine manoeuvrability
- The electric solution is cleaner: lower risk of oil spills

Torque (Nm)



Functional Diagram



Integrated Service and Parking brakes for 600 Series Wheel Drives



Key features

- Compact and modular design
- Compliant with international regulations for service, emergency and parking braking
- Improved modularity of service brake actuation
- Integrated oil immersed brake disc package
- Dedicated piston return system for optimized thermal performance (patent pending)
- Heavy duty discs to maximize thermal capacity for best energy dissipation, even under extreme conditions



COMBINE
HARVESTERS



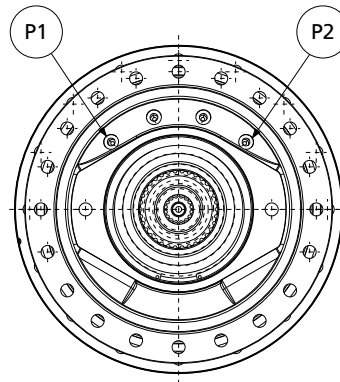
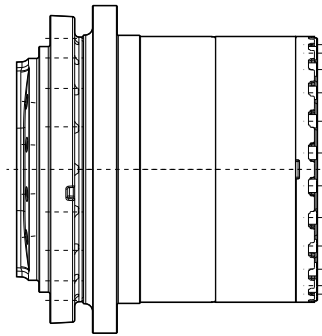
FORAGE
HARVESTERS



POTATO, CARROT
HARVESTERS



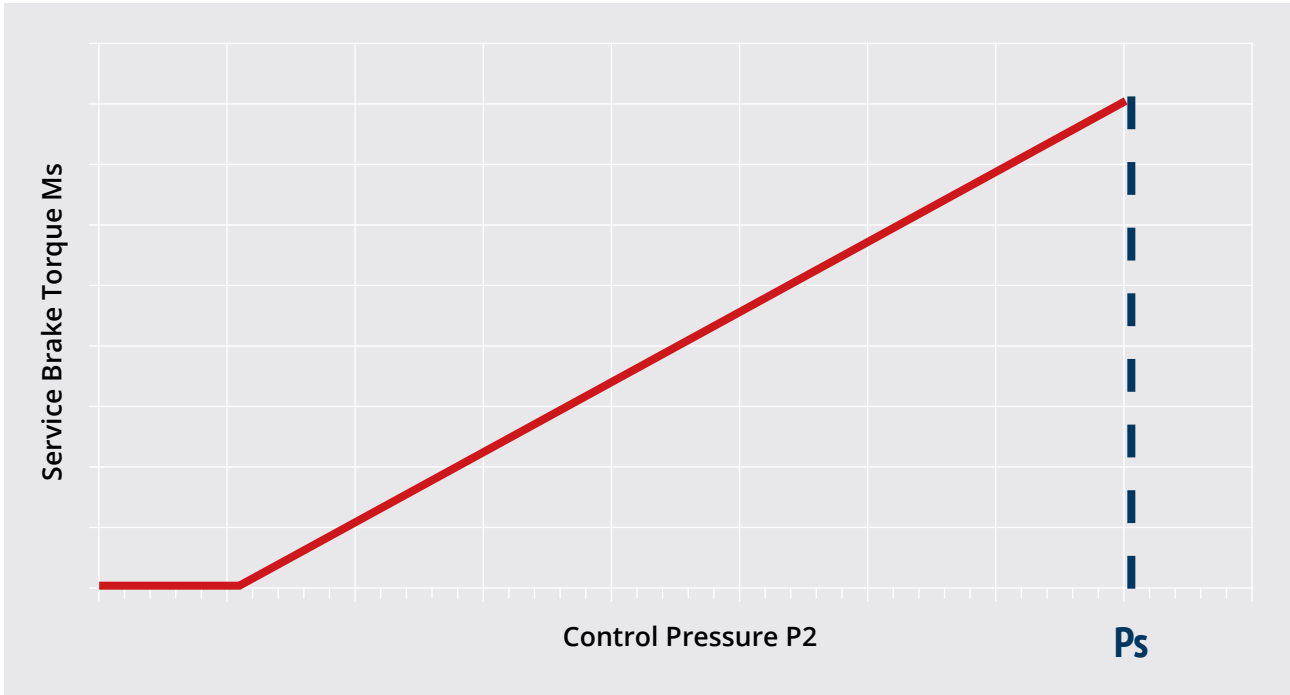
SELF-PROPELLED
SPRAYERS



P1: static brake port
P2: service brake port

Action	P1 port	P2 port
Parking brake engaged	Not pressurized	Not pressurized
Travel	Pressurized	Not pressurized
Service braking	Pressurized	Pressurized (to modulate the braking torque)

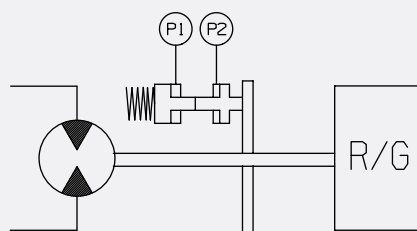
Service Brake Performance



GEARBOX MODEL	SERVICE BRAKE		PARKING BRAKE	
	Max torque (Ms)	Max operating pressure (Ps)	Max torque (Mp)	Min release pressure (Pr)
	Nm	bar	Nm	bar
605 W2	300	60	310	20
606 W2	350	90	650	20
607 W2	350	90	650	20
609 W2	450	90	800	20
610 X2	650	90	1200	20
611 W2	650	90	1200	20

The above data are for reference only. To be verified based on actual machine data.

Hydraulic Diagram



P1: static brake port
P2: service brake port

Track drives



700C Series

Bonfiglioli 700C series units are unsurpassed by any crawler or milling machines. Thanks to compact, rugged design, high torque and load capabilities, and optional mechanical lifetime seals, these solutions are the best possible option for the machine. All units are available with a fail-safe parking brake and most have the option of cartridge type fixed or variable systems.



HYDRAULIC SOLUTIONS



FELLER
BUNCHERS



LOG
LOADERS



MULCHER
MACHINES



RICE
HARVESTERS



SUGAR CANE
HARVESTERS

Input speed

- up to 4,000 rpm

Brake options

- Hydraulically released parking brake on request

Applicable motors

- Cartridge axial piston hydraulic motors
- Flanged axial piston hydraulic motors
- Hydraulic orbit motors

Key features

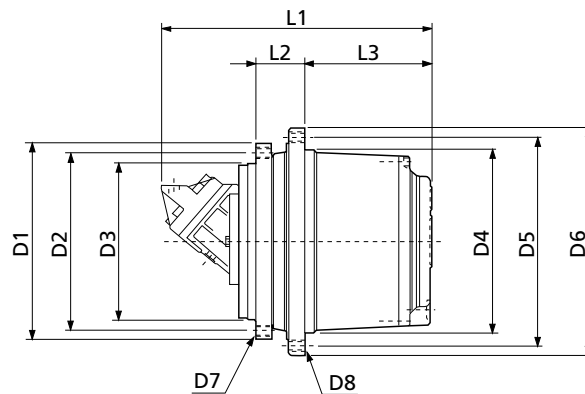
- Rotating housing
- Rugged design
- High torque capacity
- High load capacity
- Mechanical lifetime seals
- Compact design

Torque (Nm)

705 C. H	10,000
706 C3 B	18,000
707 C3 B	26,000
709 C3 B	30,000
710 C3 B	36,000
711 C3 B	45,000
713 C3 B	60,000
715 C3 B	85,000
716 C3 B	100,000
717 C3 H	130,000
718 C3 H	180,000



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 C1 H	5.33	1,000	Orbital motors	160 ÷ 250	250 - 500	10 - 20	80	5
705 C2 H	22 ÷ 53	4,000	Axial piston motor fixed or variable displacement	28 ÷ 60	250 - 500	10 - 20	60	5 ÷ 7
706 C3 B	68 ÷ 173	4,000		28 ÷ 80	250 - 500	10 - 20	95	7 ÷ 13
707 C3 B	55 ÷ 120	4,000		28 ÷ 80	250 - 500	10 - 20	135	13 ÷ 16
709 C3 B	55 ÷ 147	4,000		45 ÷ 160	250 - 600	10 - 20	180	16 ÷ 22
710 C3 B	55 ÷ 166	4,000		60 ÷ 160	250 - 600	10 - 20	200	22 ÷ 28
711 C3 B	71 ÷ 163	4,000		60 ÷ 160	400 - 800	10 - 20	270	28 ÷ 35
713 C3 B	56 ÷ 147	3,500		60 ÷ 160	400 - 800	10 - 20	310	35 ÷ 45
715 C3 B	62 ÷ 156	3,500		60 ÷ 160	600 - 1,000	10 - 20	350	28 ÷ 35
716 C3 B	83 ÷ 174	3,500		60 ÷ 160	800 - 1,200	10 - 20	400	35 ÷ 40
717 C3 H	92 ÷ 211	3,500		80 ÷ 200	800 - 1,200	10 - 20	630	40 ÷ 45
718 C3 H	87 ÷ 263	3,500		80 ÷ 250	800 - 1,200	10 - 20	750	over 45



Type	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
705 C1 H	325	290	250	200	240	280	M16x2 no.10	M20x2.5 no.8	Based motor type	72	96
705 C2 H	270	230	190	220	260	300	M16x2 no.12	M16x2 no.16		72	158
706 C3 B	330	300	270	280	330	370	M16x2 no.18	M16x2 no.18		115	190
707 C3 B	317	285	240	300	340	370	M20x2.5 no.20	M16x2 no.20		82	233
709 C3 B	375	340	300	330	370	400	M20x2.5 no.16	M16x2 no.30		91	243
710 C3 B	375	340	300	350	400	435	M20x2.5 no.16	M20x2.5 no.16		91	243
711 C3 B	425	325	290	410	455	490	M20x2.5 no.24	M20x2.5 no.24		110	265
713 C3 B	425	325	290	410	455	490	M20x2.5 no.24	M20x2.5 no.24		110	280
715 C3 B	500	460	420	460	510	550	M20x2.5 no.24	M20x2.5 no.24		130	315
716 C3 B	500	460	420	460	500	550	M24x3 no.24	M18x1.5 no.36		165	308
717 C3 H	570	510	450	560	610	660	M30x3.5 no.20	M24x3 no.24		170	350
718 C3 H	570	510	450	576	626	670	M24x3 no.30	M24x3 no.20	170	350	

Track drives



F Series

The F Series is perfectly suited to any crawler and milling machine. Thanks to compact, rugged design, high torque and load capabilities, these solutions are the best possible option for these machines. All units are available with a fail-safe parking brake and for most cartridge type fixed or variable systems. Different disengagement systems are available on demand for all the sizes.



HYDRAULIC SOLUTIONS



FELLER
BUNCHERS



LOG
LOADERS

Gear ratios

- 14 ... 824

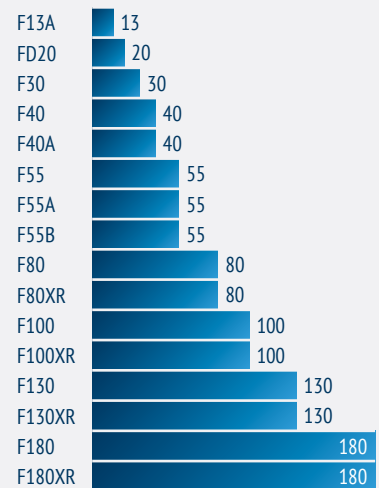
Standard features

- Compact structure
- High performance
- 3-7 Planetary wheels per stage
- Notchless ground tooth root
- Different ratios
- Integrated disc-brake

Special executions on request

- Mechanical disconnect device
- Low and high temperature version

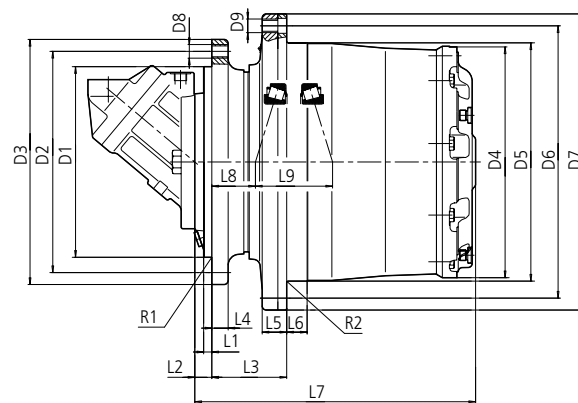
Torque (kNm)



Stated torques are peak values for short duration.



Type	Ratio ²	Capacity of Bearing		Weight ⁴	Multi-disk brake		Hydraulic Motor	
		C-dynamic	Co-static		Locking torque	Release pressure min.	Plug-in fixed	Plug-in variable
	i	kN	kN	kg	Nm	bar	ccm	ccm
F13A	93 (41) ¹ -108-122-140-178-229	132	255	50	200	17	28-30-32	28-45
FD20	81-90-101-137-171-228	194/194	325/315	72	300	16	28-30-32	28-45
F30	61 (19) ¹ -66 (32) ¹ -81-90-101-114-121-137-171-228-305	132/194	255/325	94	300 (255; 400) ³	16 (16; 22) ³	28-30-32-40-45-56-60-63	28-45-55-60
F40	61 (19) ¹ -66 (22) ¹ -81 (32) ¹ -85-101-110-117-124-142-181	224	405	115	420	18	40-45-56-60-63	55-60
F40A		224	405	123	420	18	80-90	80
F55	63 (16) ¹ -68 (19) ¹ -87 (22) ¹ -94 (32) ¹ -103-117-124-137-148-185	224	405	165	420 (390; 500) ³	15 (15; 21) ³	80-90	80
F55A		224	405	177	420 (390; 500) ³	15 (15; 21) ³	40-45-56-60-63	55-60
F55B		224	405	181	420 (390; 500) ³	15 (15; 21) ³	-	107-110
F80	61 (19) ¹ -81 (32) ¹ -101-114-121-137-147-171-187-206	300	570	230	600 (375; 550; 1000) ³	18 (18; 19; 28) ³	80-90-107-110-125-160-180	80-107-110-160
F80XR		300	570	240	600	18	80-90-107-110-160-180	
F100	77 (21) ¹ -84 (22) ¹ -95 (32) ¹ -121-142-175-192-226	498	1,010	330	600 (900) ³	15 (13) ³	107-125-160-180	107-110-160
F100XR		498	1,010	341	600	15		
F130	69 (14) ¹ -81 (18) ¹ -85 (21) ¹ -95 (26) ¹ -115-159-167-180-206	523	980	452	750	19	107-125-160-180	107-160
F130XR	81-85-115-159-167-180-206	-	-	465	750	19	-	-
F180	206-281-(412) ⁵ -(618) ⁵ -(824) ⁵	787	1,650	636	1375 (800) ³	35 (35) ³	160-180	160
F180XR		787	1,650	636	1375 (800) ³	35 (35) ³	160-180	-



Type	L1	L2	L3	L4	L5	L6	L7	L8	L9	R1	R2	D1	D2	D3	D4	D5	D6	D7	D8	D9	Qty. D8/D9
F13A	10	30	72	13.5	15	16	255	28	79	0.6	0.6	190	230	256	216	220	260	290	M16x2	M16x2	12/8
FD20	10	41	75	15	28	25	300	15.3	86.3	2.5	2.5	240	275	304	250	270	305	335	M16x2	M16x2	18/18
F30	13	25/22	75	15	29	25	323/320	28.5	89	2.5	2.5	240	275	304	269	270	305	335	M16x2	M16x2	18/18
F40	16	16	91	21	34	26	338	38	100	2.5	2.5	240	285	320	294	295	335	370	M20x1.5	M20x1.5	20/20
F40A	13	35	91	21	34	26	357	38	100	2.5	2.5	270	310	345	294	295	335	370	M20x1.5	M20x1.5	16/20
F55	12	25	110	24	36	30	413	64	113	1	2.5	280	325	360	340	350	400	435	M20x1.5	M20x1.5	24/20
F55A	20	30	91	24	36	30	399	45	113	4	2.5	240	285	320	340	350	40	435	M20x1.5	M20x1.5	20/20
F55B	12	37	110	24	36	30	425	64	113	1	2.5	290	335	370	340	350	400	435	M20x1.5	M20x1.5	20/20
F80	20	35	90	22	37	24	415	34	123	4	2.5	330	370	410	374	400	450	490	M24x2	M24x2	20/20
F80XR	20	35	90	22	37	23	414.5	68.5	123	4	2.5	330	370	410	374	400	450	490	M20x1.5	M20x1.5	20/20
F100	35/37	35/37	165	28	53	43	461/463	32	139	10 (12)/60	5	390	460	500	407	408	460	500	M24x2	M24x2	30/24
F100XR	22	35	148	29	53	30	463	32	139	2.5	2.5	380	430	480	407	430	480	500	M24x3	M24x3	20/20
F130	45	45	190	35	58	45	530	50.5	147	25	4	390	500	550	449	450	500	550	M24x2	M24x2	32/32
F130XR	20	70	165	35	58	45	532	25	147	1.2	1.2	420	460	500	449	460	500	540	M24x3	M18x1.5	24/36
F180	30	30	168	40	56	21.5	534.5	50.3	141.4	4	3	450	510	560	528	535	600	650	M24x2	M27x2	30/30
F180XR	30	30	168	40	56	21.5	534.5	50.3	141.4	4	3	450	510	560	528	535	600	650	M24x2	M24x2	30/30

1) 2-stage on demand
2) Other ratios on demand

3) Optional brake torques
4) Without hydraulic motor

5) In combination with input bevel drive

Slew drives



700T Series

The Bonfiglioli 700T series provides the safest, most effective solution for cranes, excavators and forestry machines. Highly appreciated by all major manufacturers, the 700T Series has long been established in the crane, excavator and special equipment industries.



HYDRAULIC SOLUTIONS



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Brake options

- Hydraulically released parking brake on request
- DC and AC type

Applicable motors

- Piston hydraulic motors
- Hydraulic orbit motors
- Electric motors IEC

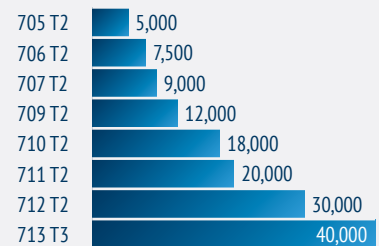
Motor options

- Pressure relief valve
- Overcenter valve

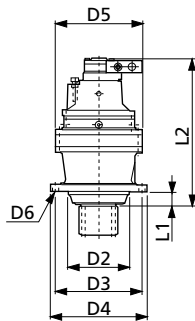
Key features

- Flange mounted
- Output shaft: splined or with
- Integral pinion
- Rugged construction
- High torque capacity
- Output shafts supported by heavy-duty capacity bearings

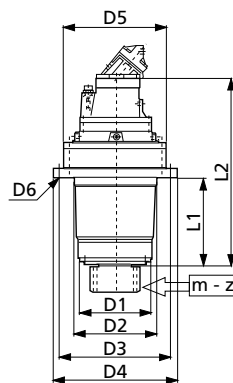
Torque (Nm)



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
705 T2 F	12-44	3,500	Axial piston motor fixed or variable displacement	28 - 80	50 - 400	10 - 30	55	A	Up to 10
705 T2 L	12-44	3,500		28 - 80	50 - 400	10 - 30	80	B	Up to 10
706 T2 N	15-46	3,500		28 - 80	400 - 1000	20 - 30	95	B	14-16
707 T2 N	17-47	3,500		28 - 80	400 - 1000	20 - 30	140	B	16-18
709 T2 N	17-47	3,500		45 - 110	400 - 1000	20 - 30	165	B	18-22
710 T2 N	19-38	3,500		45 - 110	400 - 1000	20 - 30	250	B	22-28
711 T2 C	14-39	3,500		60 - 160	400 - 1000	20 - 30	300	B	28-35
711 T2 F	14-39	3,500		60 - 160	400 - 1000	20 - 30	160	A	28-35
712 T3 F	80-200	3,500		60 - 200	400 - 1000	20 - 30	450	A	35-40
712 T3 N	80-200	3,500		60 - 200	400 - 1000	20 - 30	450	B	35-40
713 T3 N	50-300	3,500		60 - 200	400 - 1000	20 - 30	500	B	Over 40



Design A



Design B

Type	D1	D2	D3	D4	D5	D6	L1	L2	m	z
705 T2 F	-	175	245	272	245	18	41	440	Pinion module / number of teeth UPON REQUEST	
705 T2 L	180	195	245	290	245	13	171	470		
706 T2 N	200	250	325	360	292	17	225	560		
707 T2 N	230	280	314	348	345	17	295	670		
709 T2 N	250	280	380	420	345	17	295	720		
710 T2 N	300	425	460	500	400	22	360	730		
711 T2 C	300	425	460	500	428	22	345	735		
711 T2 F	500	320	500	560	425	22	70	750		
712 T3 F	-	410	450	490	420	ø21 no.24	120	900		
712 T3 N	400	425	470	510	420	ø20 no.30	350	900		
713 T3 N	340	400	510	560	445	22	420	1030		

Slew drives



S Series

The Bonfiglioli S series provides the safest and most effective solution for cranes, excavators and forestry machines. Its compact design allows it to perfectly fit cranes, excavators and special equipment where installation space is limited.



HYDRAULIC SOLUTIONS



FELLER
BUNCHERS



LOG
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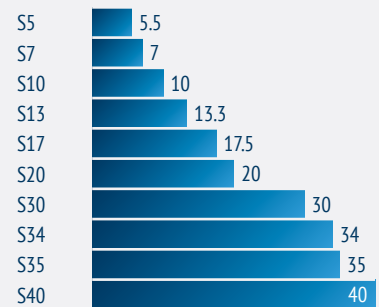
Gear ratios

- 23 ... 103

Standard features

- Compact structure
- High performance
- Notchless ground tooth root
- Integrated disc-brake
- Suitable for various hydraulic motors

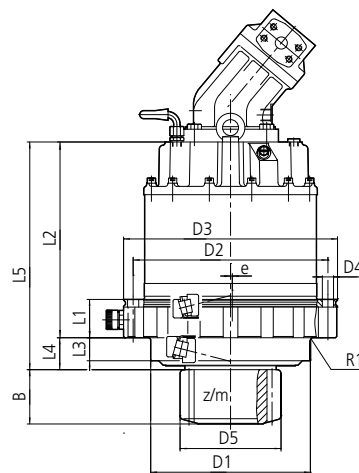
Torque (kNm)



Stated torques are peak values for short duration.



Type	Ratio ¹	Hydraulic motors ²	Multi-disc brake		Output pinion ³							Weight without Motor (appr.)
			Braking torque	Release pressure min.	z/m - B - D5							
	i	ccw	Nm	bar								kg
S5	25-33	28-30-32	310	14	10/10 95 130	10/10 79 130	11/10 79 143	14/8 69 134	15/6.35 77 112	-	-	68
S7	23-27-33	45-56-63	475	14	10/11 79 141	12/10 79 151	13/10 79 158	13/10 98 155	-	-	-	98
S10	24-27-31-36	45-56-63-80-90	475	14	12/12 90 184	13/10 85 158	13/10 94.5 155	13/10 100 158	13/12 110 190	13/12 90 195	-	108-123
S13	36	56-63-80-90	740	18	10/14 99 181	11/14 99 198	12/12 99 184	13/12 88 195	13/12 ⁴ 110 ⁴ 190 ⁴	14/12 110 199	14/12 110 201	147
S17	33	80-90	890	18	11/14 109 198	11/16 109 220	12/12 104 184	13/12 ⁴ 110 ⁴ 190 ⁴	13/14 122 221	14/16 150 273	-	168
S20	103-79	45	553	18	13/16 120 249	-	-	-	-	-	-	260
S30	45	125	1,030	18	12/16 154 243	-	-	-	-	-	-	540
S34	45	160	1,030	18	12/16 154 243	-	-	-	-	-	-	480
S35	35	180	1,030	18	12/18 160 274	-	-	-	-	-	-	528
S40	62	90	574	18	12/16 100 235	-	-	-	-	-	-	274

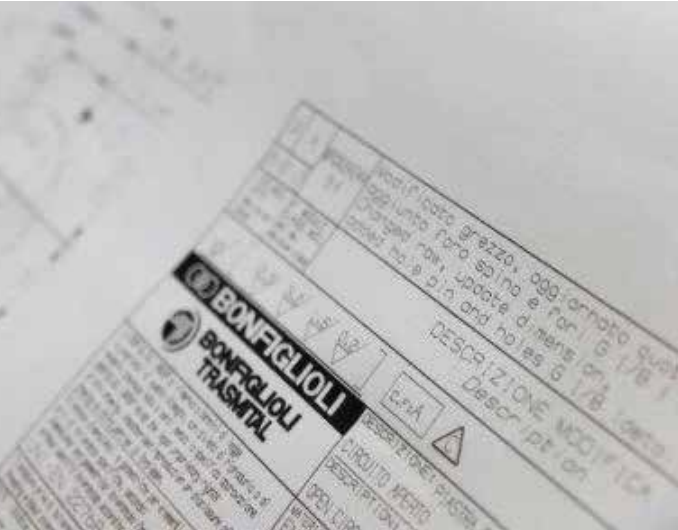


Type	L1	L2	L3	L4	L5	D1	D2	D3	D4	e	R1
S5	60	262	31	40	302	175	260	288	12x17.5	-	6
S7	60	296	31	40.5	336.5	230	285	322	12x17.5	-	6
S10	60	306.5-314	36	50	356.5-364	250	305	335	18x17.5	-	4
S13	71	340	30(50) ⁴	55(75) ⁴	395(415) ⁴	275	335	370	20x17.5	1	4
S17	86	355	50.5	55	410	275	335	370	20x17.5	-	4
S20	57	403	16	252	775	280	350	380	18	-	-
S30	332	737	33	65	802	350	415	450	24x22	-	1.6
S34	332	785	33	65	808	350	415	450	24x22	-	1.6
S35	239	653	³⁰	91	744	400	460	500	24x26	2	10
S40	64	625	16	245	721	282	375	410	18	-	-

1) Other ratios on demand
2) Other hydraulic motors on request

3) Output Pinion execution acc. to requirement
4) Optional

Research & Development



Bonfiglioli's global research and development create breakthrough solutions that integrate the most advanced mechanical, electrical and hydraulic technologies. They meet the most demanding application requirements and support our customers' growth.

More than 200 employees around the world are involved in the group's research and development.



DESIGN YOUR
SOLUTIONS



CO-
ENGINEERING

We support our customers' projects from beginning to end.

At Bonfiglioli, we believe that product development relies on passion, efficient processes, and the ability to understand our customers' needs accurately.

First, our team identify the customer's needs after in-depth analysis drawn from our specific application expertise.

Through dedicated calculation tools, we can simulate the transmission's capabilities and performance allowing reducing development time.

The alignment phase allows us then to adapt our proposal according to key factors of performance, installation and maintenance.



The test centers at Bonfiglioli

Bonfiglioli's test laboratories support the various phases of the product life cycle, including development, certification and the production of solutions developed and manufactured in our plants around the world.

Our specialists are true partners to the R&D, technical and quality departments. They help validate each Bonfiglioli product from the smallest critical component to the overall solution.

The test centers regularly conduct additional tests to ensure the product durability and confirm the specifications declared during the official approval stage.



Quality, Health & Safety



Our team is wholly dedicated to continuous improvement in the quality, safety and environmental sphere, throughout the entire value chain, from the smallest supplier to the end client.

Bonfiglioli management systems are certified ISO 9001: 2015, ISO 14001: 2015 and OHSAS 18001: 2007, while our products are covered by international certifications. Responsibility, excellence and continuous improvement are the basic elements that make us the favored partner of our clients and suppliers.



SYSTEM CERTIFICATION



PRODUCTS CERTIFICATION

Quality

Bonfiglioli is committed to achieving the highest ethical and quality standards. These standards are documented in the Bonfiglioli Quality Management System.

Our products are intended to generate value for our customers. We are committed to designing, manufacturing and supplying effective products and services that set a benchmark for quality in the industry.

Based on defined procedures and instructions, the Bonfiglioli Quality Management System has been established not only to ensure the ongoing quality of our products and processes, but also to guarantee continuous improvement.

Bonfiglioli has also implemented a Quality Policy which sets customer focus as a primary goal. The Quality Policy is used to set and deploy goals and objectives at every level of the organization. The fulfilment of these objectives is measured on a regular basis with appropriate performance indicators.



Health & Safety: Sustainability starts with safety

Prevention of accidents and incidents is a key element of our company's sustainable strategy and an integral part of each one of our business processes. The successful management of risks is essential for protecting our employees and assets and thereby contribute therefore strengthening.



Global Presence



With a broad and extensive presence in 22 countries and 5 continents, Bonfiglioli is one of the international market leaders. Our organization makes the most of geographic proximity to offer complete solutions combining efficiency and competence.



3700
EMPLOYEES



20
BRANCHES



14
PLANTS



550
DISTRIBUTORS



80
COUNTRIES

We Are a Global Company

Thanks to an international network of sales branches and closely interconnecting production plants, we can guarantee the same high standards of Bonfiglioli quality anywhere at any given time. Aware that our direct presence in local markets is the key to long-lasting success, our family includes 20 sales branches, 14 production plants and more than 500 distributors around the world.

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



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

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