



Solutions for
**EARTH-MOVING
MACHINES**

 **Bonfiglioli**

BONFIGLIOLI SOLUTIONS FOR EARTH-MOVING MACHINES



Track drives

700C Series
700CT Series
700CP Series
700CK Series
F Series

Slew drives

700T Series
700TK Series
S Series

The most reliable solutions for Earth-Moving machines

Bonfiglioli broad and diversified product ranges, fully meet the specifications of excavators manufacturers.

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 1.5 to 400 tons, we meet today's market needs.

All the hydraulic and mechanical functions are incorporated into a single unit: powerdrive, operating and travel speed, hydraulic and mechanical emergency braking and overload prevention. The unit assures high reliability and excellent performance, smoothness in operation and also, due to its compact dimensions, very easy and economical installation on board of machines.

The vast range of customised solutions and extensive expertise in the industry, make Bonfiglioli the ideal partner.

Bonfiglioli also provides solutions for:



BUILDING
CONSTRUCTION



CONSTRUCTION
INDUSTRY



MINING INDUSTRY



ROAD
CONSTRUCTION

www.bonfiglioli.com



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



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

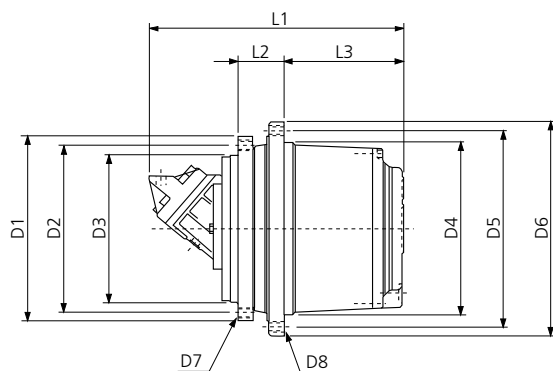
- Rotating housing
- Rugged design
- High torque capacity
- High load capacity
- Mechanical lifetime seals
- Compact design

Torque (Nm)

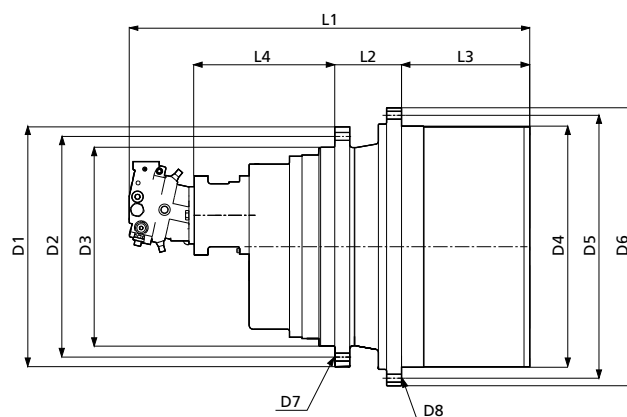
718 C3 H	180,000
720 C3 H	220,000
722 C3 H	330,000
724 C4 H	450,000
726 C4 H	625,000



Type	Range of ratios	Max. input speed	Hydraulic motor drive	Braking torque	Min. opening pressure	Weight
	1:	RPM		Nm	bar	kg
718 C3 H	87-263	3000	High speed	800 - 1400	10 - 20	750
720 C3 H	175-287	3000		800 - 1700	10 - 20	820
722 C3 H	296-492	3000		1500 - 2500	15 - 30	1300
724 C4 H	350 - 428	3000		1500 - 2500	15 - 30	1300
726 C4 H	248-282-330	3000		2 x 1200	27	2800



718 C3 H ... 724 C4 H



726 C4 H

Type	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4
718 C3 H	570	510	450	576	626	670	M24x3 n°30	M24x3 n°20	Depend on motor type	170	350	-
720 C3 H	650	600	460	610	680	735	M30x3.5 n°30	M30x3.5 n°24		170	370	-
722 C3 H	735	680	580	660	730	785	M30x3.5 n°30	M30x3.5 n°30		188	430	-
724 C4 H	568	515	450	570	620	670	M36x1.5 n°29	M30x1.5 n°42		255	513	-
726 C4 H	880	810	730	885	965	1020	M30x2 n°41	M30x2 n°48		245	470	515

TRACK DRIVES



700CT Series

Extreme compactness, lightweight, efficiency and smooth operation are the key features of the 700CT series track drives, powered by integrated axial piston hydraulic motors and developed with Danfoss hydraulic.



HYDRAULIC SOLUTIONS



COMPACT
TRACK LOADERS

Input speed

- up to 3,500 rpm

Brake options

- Hydraulically released spring-applied parking brake, with external independent port

Motors

- Fixed or dual displacement, with flushing valve circuit, suitable for closed loop applications

Motor options

- Speed sensor mounting

Key features

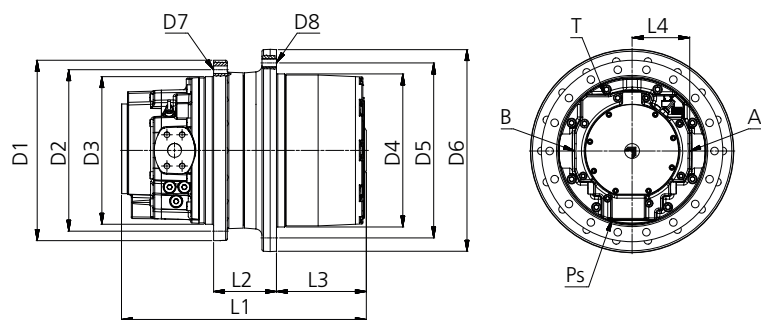
- Rotating output flange with large PCD suitable for sprocket
- Rugged design
- High torque capacity
- High load capacity
- Mechanical lifetime seals
- Compact design

Torque (Nm)

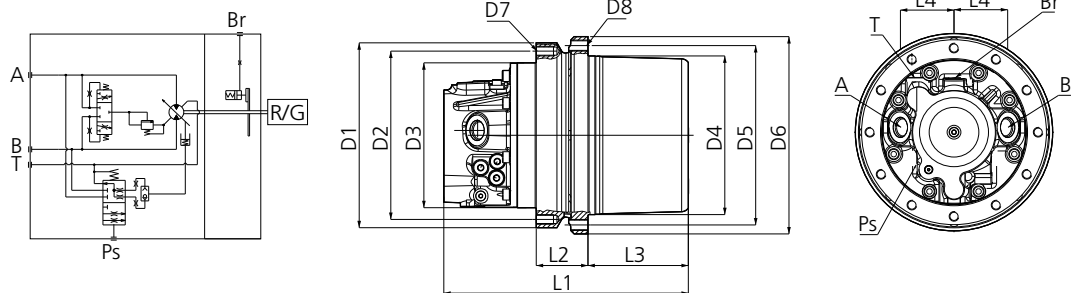
702 CT	3,500
704 CT	5,000
705 XT	12,000
706 CT	12,500



Type	Weight	Output torque	Ratios	Motor type
	tons	Nm	1:	
702 CT	2.5 ÷ 3.5	3,500	15 ÷ 22	High speed
704 CT	3.5 ÷ 5	5,000	18	
705 XT	5 ÷ 7	12,500	25 ÷ 30	Axial piston
706 CT	7 ÷ 9	14,500	53	Axial piston



XT version



CT version

Type	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4	A-B	T	PS
702 CT	270	240	210	210	245	275	M16x2 no.8	M16x2 no.12	340	153	70	77	1" 1/16-12 UNF	3/4"-16 UNF	9/16"-18 UNF
704 CT	268	244	210	230	260	286	M14x2 no.12	M16x2 no.8	355	75	146	77	1" 1/16-12 UNF	3/4"-16 UNF	
705 XT	335	300	270	250	285	320	M16 no.12	M16 no.12	426	85	142	100	1" UNF	7/8-14 UNF	
706 CT	335	300	270	280	330	370	M16 no.18	M16 no.18	448	115	165	100	1" UNF	7/8-14 UNF	

TRACK DRIVES



700CP Series

Extremely compact, lightweight, efficient and smooth to operate, 700CP Series track drives are powered by integrated axial piston hydraulic motors, developed in cooperation with Poclain hydraulics.



HYDRAULIC SOLUTIONS



MINI-
EXCAVATORS

Input speed

- up to 3,500 rpm

Brake options

- Hydraulically released failsafe parking brake automatically operated by main pressure

Motors

- Hydraulic motors
- Fixed and dual displacement, complete with counterbalance valve

Motor options

- Pressure relief valves, shockless type
- Anticavitation valve

Key features

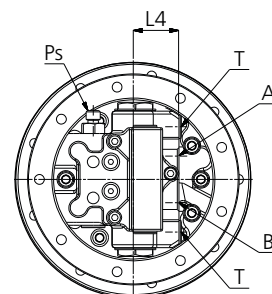
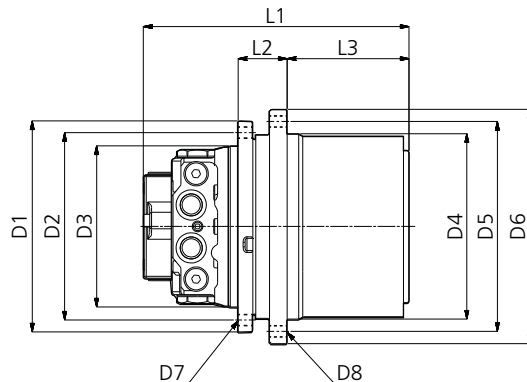
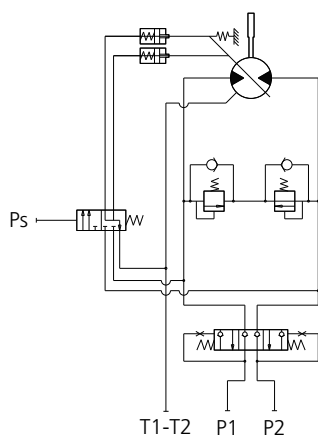
- Rotating output flange with large PCD suitable for sprocket
- Rugged design
- High torque capacity
- High load capacity
- Mechanical lifetime seals
- Compact design

Torque (Nm)

700 C2 P	1,200
700-2 C2 P	1,900
701 C2 P	2,500
702 C2 P	3,500
704 C2 P	5,000



Type	Ratios	Motor Displacement Min/Max	Max. Pressure	Max. Oil Flow	Weight	Approx. Weight of Machine
	1:	cc/rev	bar	l/min	kg	ton
700 C2 P	18.5 - 26.5	14.7 / 7.7	215	25	18	up to 1.5
700-2 C2 P	18.9 - 36.8	17.85 / 7.7	230	30	24	1.5 ÷ 2
701 C2 P	31.1 - 57.5	17.85 / 7.8	250	35	36	2 ÷ 3
702 C2 P	31.1 - 57.5	29.0 / 11.8	275	50	41	3 ÷ 4
704 C2 P	30 - 55	36.4 / 16.7	275	65	60	4 ÷ 6



Type	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4	A-B	T	Ps
700 C2 P	175	155	140	140	155	175	M10x1.5 no.8	M10x1.5 no.9	220	45	138	*	*	*	*
700-2 C2 P	195	175	155	160	180	200	M10x1.5 no.8	M10x1.5 no.8	250	40	108	*	*	*	*
701 C2 P M	215	192	165	204	232	255	M12x1.75 no.9	M12x1.75 no.9	277	66	119	*	*	*	*
701 C2 P K	215	192	165	190	215	239	M12x1.75 no.9	M12x1.75 no.9	277	50	119	*	*	*	*
702 C2 P	215	192	165	204	232	255	M12x1.75 no.9	M12x1.75 no.9	304	70	119	*	*	*	*
704 C2 P	264	240	200	230	262	286	M14x1.75 no.12	M14x1.75 no.12	335	68	139	*	*	*	*

* Based on motor version

TRACK DRIVES



700CK Series

Extremely compact, lightweight, efficient and smooth to operate, 700CK Series track drives are powered by integrated axial piston hydraulic motors, developed in cooperation with Kayaba.



HYDRAULIC SOLUTIONS



COMPACT
TRACK LOADERS



EXCAVATORS



MINI-
EXCAVATORS

Input speed

- up to 3,500 rpm

Brake options

- Hydraulically released failsafe parking brake automatically operated by main pressure

Motors

- Kayaba hydraulic motors, fixed and dual displacement, complete with counterbalance valve

Motor options

- Pressure relief valves, shockless type
- Anticavitation valve

Key features

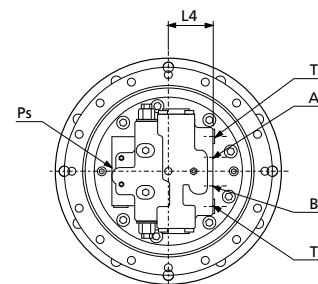
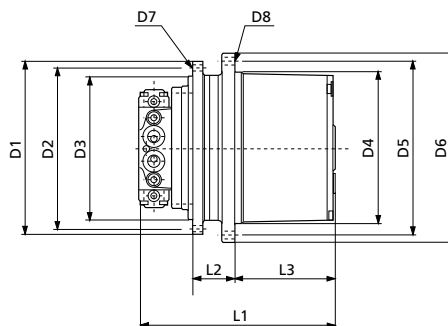
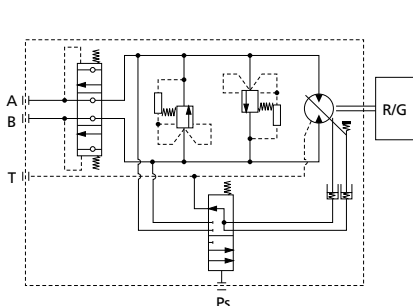
- Rotating output flange with large PCD suitable for sprocket
- Rugged design
- High torque capacity
- High load capacity
- Mechanical lifetime seals
- Compact design

Torque (Nm)

700 C2 K	1,200
700-2C2 K	1,900
701 C2 K	2,500
702 C2 K	3,500
704 C2 K	5,000
705 C2 K	9,000
706 C3 K	18,000
707 C3 K	26,000
709 C3 K	30,000
710 C3 K	36,000
710 C2 K	40,000
713 C2 K	45,000
713 C3 K	60,000
715 C3 K	85,000
716 C3 K	100,000
718 C3 K	180,000
720 C3 K	220,000



Type	Ratios	Motor Type	Motor Displacement	Max Pressure	Max Oil Flow	Approx. Weight of Machine
	1:	Kayaba	cc/rev	bar	l/min	ton
700 C2 K	32-34-37	MAG12VP	12.46 - 5.77	200 ÷ 220	10 ÷ 18	up to 1.5
700-2C2 K	36	MAG16VP	18.8 - 9.7	200 ÷ 225	20 ÷ 30	1.5 ÷ 2
701 C2 K	41-48-53	MAG16VP	18.8 - 9.7	200 ÷ 225	30 ÷ 40	2 ÷ 3
702 C2 K	41-48	MAG26VP	26.3 - 13.4	200 ÷ 225	30 ÷ 45	3 ÷ 4
704 C2 K	41-46-48	MAG33VP	33.8 - 16.9	215 ÷ 245	40 ÷ 60	4 ÷ 6
705 C2 K	48-53	MAG50VP	44	300	65 ÷ 75	6 ÷ 8
706 C3 K	68-79	MAG50VP	44	300	65 ÷ 75	8 ÷ 10
707 C3 K	40-45	MAG85VP	85	300	110 ÷ 120	10 ÷ 12
709 C3 K	53-63-69	MAG85VP	85	300	110 ÷ 160	12 ÷ 20
710 C3 K	49-69	MAG170VP	170	300	175 ÷ 240	20 ÷ 25
710 C2 K	41-44-47	MAG170VP	170	300	175 ÷ 240	20 ÷ 25
713 C2 K	55	MAG170VP	170	300	180 ÷ 230	25 ÷ 29
713 C3 K	60-68-75	MSF170VP/230VP	170 - 230	345	260 ÷ 310	29 ÷ 37
715 C3 K	62-82	MSF230VP/340VP	230 - 340	345	270 ÷ 370	37 ÷ 50
716 C3 K	75	MSF230VP/340VP	230 - 340	345	270 ÷ 370	50 ÷ 60
718 C3 K	85-112	MSF340VP	340	345	400 ÷ 500	60 ÷ 80
720 C3 K	120-141	MSF340VP	340	345	400 ÷ 500	80 ÷ 120



Type	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4	A-B	T	Ps
700 C2 K	175	155	140	140	155	175	M10x1.5 no.8	M10x1.5 no.8	202	45	93	40	1/4"	1/4"	1/4"
700-2C2 K	190	170	150	160	180	200	M10x1.5 no.8	M10x1.5 no.8	223	40	108	39	3/8"	1/4"	1/4"
701 C2 K	215	192	165	190	215	240	M12x1.75 no.9	M12x1.75 no.9	300	50	125	45	1/2"	1/4"	1/4"
702 C2 K	215	192	165	204	232	255	M12x1.75 no.9	M12x1.75 no.9	285	70	115	45	1/2"	1/4"	1/4"
704 C2 K	264	240	200	230	262	286	M14x2 no.9	M14x2 no.9	345	68	167	46	1/2"	3/8"	1/4"
705 C2 K	268	244	210	230	260	286	M14x2 no.12	M14x2 no.12	340	75	144	50	1/2"	3/8"	1/4"
706 C3 K	308	280	246	280	330	370	M16x2 no.20	M16x2 no.12	412	100	193	50	1/2"	3/8"	1/4"
707 C3 K	350	320	280	300	340	370	M16x2 no.16	M16x2 no.20	440	91	210	84	3/4"	1/2"	1/4"
709 C3 K	375	340	300	330	370	400	M16x2 no.30	M16x2 no.30	470	99,5	246	84	3/4"	1/2"	1/4"
710 C3 K	375	340	300	350	400	435	M16x2 no.30	M16x2 no.30	455	91	243	84	3/4"	1/2"	1/4"
710 C2 K	370	340	300	402	440	470	M16x2 no.30	M16x2 no.22	474	98.5	223	94	1"	1/2"	1/4"
713 C2 K	450	410	360	410	455	490	M24x3 no.18	M20x2.5 no.22	500	106	265	84	3/4"	1/2"	1/4"
713 C3 K	480	440	380	410	455	490	M24x3 no.18	M20x2.5 no.24	570	100	287	90	1"	1/2"	1/4"
715 C3 K	500	460	420	460	510	550	M20x2.5 no.24	M20x2.5 no.24	605	130	315	90	1"	1/2"	1/4"
716 C3 K	500	460	420	460	500	548	M24x3 n°24	M18x1.5 n°36	663	165	308	118	1"	3/4"	1/4"
718 C3 K	570	510	450	576	626	670	M24x3 n°30	M24x3 n°30	730	170	350	118	1"	3/4"	1/4"
720 C3 K	650	600	480	610	680	735	M30x3.5 n°30	M24x3.5 n°24	800	170	370	118	1"	3/4"	1/4"

TRACK DRIVES



F Series

Small & Medium final drives

The F Series is perfectly suited to any crawler and milling machine. Thanks to compact, rugged design, high torque and load capabilities, and optional mechanical lifetime seals, 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



EXCAVATORS

Input speed

- up to 4,000 rpm

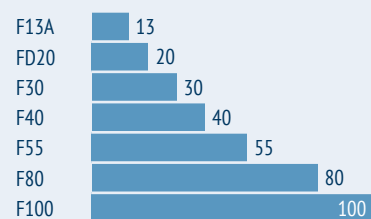
Main options

- Mechanical disconnect device

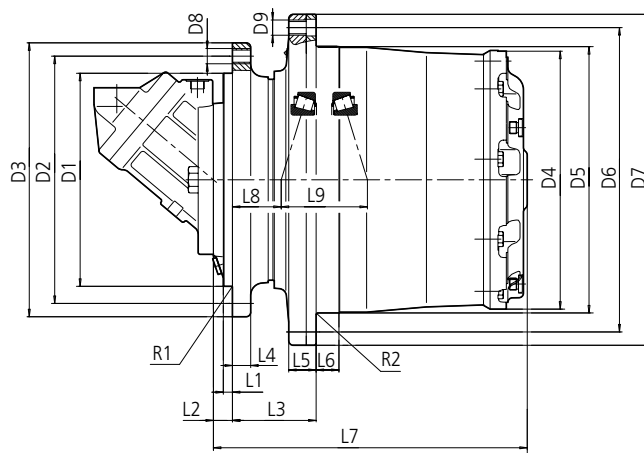
Key features

- Integrated hydraulic motor
- 2-stage planetary drive
- 2-speed hydraulic motor
- Counterbalance travel valve
- High pressure relief valves
- 2-speed shift function by external pilot control
- 2-speed shift function by external pilot control
- Automatically released parking brake

Torque (kNm)



Type	Ratios	Motor Displacement	Max Pressure	Max Oil Flow	Weight	Approx. Weight of Machine
	1:	cc/rev	bar	l/min	kg	ton
F13A	93-229	28÷45	450	156÷255	50	8÷10
FD20	81-228	28÷45	450	156÷255	72	10÷12
F30	61-305	28÷63	450	156÷315	94	12÷18
F40	61-181	40÷90	450	160÷405	115	18÷22
F55	63-185	40÷110	480	160÷590	165	22÷28
F80	61-206	80÷180	450	312÷648	230	28÷35
F100	77-226	107÷180	450	380÷648	330	35÷50



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
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
F80	20	35	90	22	37	24	415	34	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

TRACK DRIVES



F Series

Large & XLarge final drives

The F Series is perfectly suited to any crawler and milling machine. Thanks to compact, rugged design, high torque and load capabilities, and optional mechanical lifetime seals, 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



EXCAVATORS



MINING
EXCAVATORS

Input speed

- up to 4,000 rpm

Main options

- Mechanical disconnect device

Key features

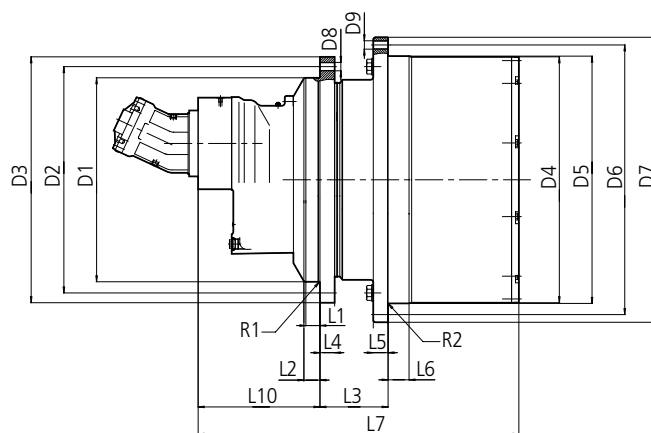
- Integrated hydraulic motor
- 2-stage planetary drive
- 2-speed hydraulic motor
- Counterbalance travel valve
- High pressure relief valves
- 2-speed shift function by external pilot control
- 2-speed shift function by external pilot control
- Automatically released parking brake

Torque (kNm)

F130	130
F180	180
F220	220
F260	260
F280	280
F340	340
F360	360
F420	420
F620	620
F800	800
F1100	1,100
F1300	1,300
F1800	1,800
F2000	2,000
F2200	2,200
F3000	3,000



Type	Ratios	Motor Displacement	Max Pressure	Max Oil Flow	Weight	Approx. Weight of Machine
	1:	cc/rev	bar	l/min	kg	ton
F130	69-206	107 - 180	400	500	450	50 ÷ 70
F180	206-281	160 - 180	400	500	630	70 ÷ 90
F220	97-345	107 - 180	400	500	740	90 ÷ 120
F260	69-345	250÷355	400	795	865	90÷120
F280	201	250	400	500	1,040	120 ÷ 150
F340	257	250	400	500	976	150÷180
F360	94-490	355	350-400	500-750	1,080	150 ÷ 180
F420	259	(2x) 160	350-400	500-750	1,500	180 ÷ 220
F620	249-462	(2x) 250 - (1x) 500	350-400	500-750	2,897	220 ÷ 300
F800	283-298	(2x) 250 - (2x) 280	350-400	500-750	3,764	300 ÷ 400
F1100	406	(2x) 250 - (2x) 280	350-400	500-750	7,220	400 ÷ 500
F1300	461	(2x) 250	350-400	500-750	7,400	500 ÷ 600
F1800	656-744	(2x) 250 - (2x) 280	350-400	500-750	7,500	600 ÷ 800
F2000	516-989	(2x) 250 - (2x) 355	350÷400	500÷750	10,700	800÷1000
F2200	552-989	(2x) 355	350-400	500-750	10,736	800 ÷ 1,000
F3000	699	(2x) 250 - (2x) 280	350-400	500-750	11,500	1,200 ÷ 1,400



Type	L1	L2	L3	L4	L5	L6	L7	L10	R1	R2	D1	D2	D3	D4	D5	D6	D7	D8	D9	Qty. D8/D9
F130	45	45	190	35	58	45	530	-	25	4	390	500	550	449	450	500	550	M24x2	M24x2	32/32
F180	30	30	168	40	56	21.5	534.5	-	4	3	450	510	560	528	535	600	650	M24x2	M27x2	30/30
F220	18	52	166.5	40	61	35	580.5	-	35° 16/16	4	460	600	650	540	542	600	650	M24x2	M24x2	38/38
F260	21	45	170	40	48	60	579	-	2	-	460	520	570	608	610	680	735	M30x2	M30x3.5	24/24
F280	52	125	125	40	65	45	627	-	18° 50/5	4	530	630	685	608	610	685	740	M30x3.5	M30x3.5	28/28
F340	100	100	130	40	60	80	697.5	-	18°/100/16	10	580	680	735	649,5	650	720	775	M30x3,5	M30x3,5	30/30
F360	100	100	130	40	60	80	658	-	18°/100/16	10	580	680	735	649	650	720	775	M30x3.5	M30x3.5	30/30
F420	60	132	130	40	60	80	1026	-	10	10	660	744	795	670	674	744	795	M30x2	M30x2	42/42
F620	50	57.5	245	52.5	53	75	1232	341	4	-	730	810	880	880	885	965	1020	M30x2	M30x2	41/48
F800	20	25	229	60	58	170	1315	713	6	8	830	980	1050	916	920	976	1055	M30x2	M30x2	48/48
F1100	57	60	503	74	-	-	1483	713	10	6	1110	1230	1310	1116	-	1170	1226	M36x4	M30x3.5	48/52
F1300	57	60	503	74	-	-	1623	395.5	10	6	1110	1230	1310	1116	1100	1170	1226	M36x4	M30x3.5	48/52
F1800	54	60	310	74	107	191.5	1839.5	615.5	10	10	1110	1230	1310	1224	1250	1350	1430	M36x1.5	M42x2	48/40
F2000	70	70	343	80	100	80	1846	591	10	10	1288	1400	1500	1224	1230	1320	1400	M42x3	M42x3	50/48
F2200	60	70	343	80	100	80	1846	591	10	10	1288	1400	1500	1224	1230	1320	1400	M42x3	M42x3	50/48
F3000	60	70	343	80	100	80	2000	606	10	10	1288	1400	1500	1224	1230	1320	1400	M42x3	M42x3	50/48

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



EXCAVATORS



MINI-
EXCAVATORS

Brake options

- Hydraulically released parking brake on request

Applicable motors

- Piston hydraulic motors
- Hydraulic orbit motors

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

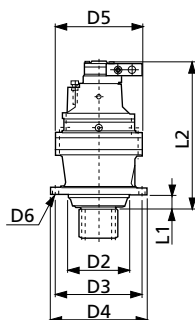
Torque (Nm)

700 T	1,000
701 T	1,800
703 T	2,500
704 T	3,600
705 T	5,000
706 T	7,500
707 T	9,000
709 T	12,000
710 T	18,000
711 T	20,000
712 T	30,000
713 T	40,000
714 T	50,000
715 T	70,000

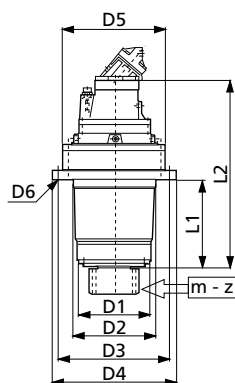


Type	Range of Ratios	Max. Input Speed	Hydraulic Motor Drive*	Braking Torque	Min. Opening Pressure	Design
	max/min	bar		Nm	bar	
700 TF	3.48-7.2	500	LS	50 - 400	10 - 30	A
701 TF	3.48-7.2	500	LS	50 - 400	10 - 30	A
703 TF	12-44	3,000	HS	50 - 400	10 - 30	A
704 TF	12-44	3,000	HS	50 - 400	10 - 30	A
705 TF	12-44	3,000	HS	50 - 400	10 - 30	A
705 TL	12-44	3,000	HS	50 - 400	10 - 30	B
706 TN	15-46	3,000	HS	400 - 1,000	20 - 30	B
707 TN	17-47	3,000	HS	400 - 1,000	20 - 30	B
709 TN	17-47	3,000	HS	400 - 1,000	20 - 30	B
710 TN	19-38	3,000	HS	400 - 1,000	20 - 30	B
711 TC	14-39	3,000	HS	400 - 1,000	20 - 30	B
711 TF	14-39	3,000	HS	400 - 1,000	20 - 30	A
712 TF	80-200	3,000	HS	400 - 1,000	20 - 30	A
712 TN	80-200	3,000	HS	400 - 1,000	20 - 30	B
713 TN	50-300	3,000	HS	400 - 1,000	20 - 30	B
714 TF	90-180	3,000	HS	400 - 1,000	20 - 30	A
715 TN	57-250	3,000	HS	400 - 1,000	20 - 30	B

(*) LS = Low speed motor / HS = High speed motor



Design A



Design B

Type	D1	D2	D3	D4	D5	D6	L1	L2	m	z
700 TF	-	150	195	220	186	12.5	31	300	Module / number of teeth of pinion UPON REQUEST	
701 TF	-	150	195	220	186	12.5	31	325		
703 TF	-	175	245	272	245	18	41	410		
704 TF	-	175	245	272	245	18	41	400		
705 TF	-	175	245	272	245	18	41	440		
705 TL	180	195	245	290	245	13	171	470		
706 TN	200	250	325	360	292	17	225	560		
707 TN	230	280	314	348	345	17	295	670		
709 TN	250	280	380	420	345	17	295	720		
710 TN	300	425	460	500	400	22	360	730		
711 TC	300	425	460	500	428	22	345	735		
711 TF	500	320	500	560	425	22	70	750		
712 TF	-	410	450	490	420	ø21 n°24	120	900		
712 TN	400	425	470	510	420	ø20 n°30	350	900		
713 TN	340	400	510	560	445	22	420	1,030		
714 TF	-	420	490	530	490	ø22 n°24	160	1,100		
715 TN	370	470	600	640	542	22	465	1,250		

SLEW DRIVES



700TK Series

The 700TK Series is the compact and powerful sleew drive package for 1.5- to 150-ton excavators. The units are powered by integrated axial piston hydraulic motors, developed in cooperation with Kayaba and can be fitted in very small spaces.



HYDRAULIC SOLUTIONS



EXCAVATORS



MINI-
EXCAVATORS

Brake options

- Hydraulically released failsafe parking brake
- Brake retarder valve on request

Applicable motors

- Kayaba hydraulic motor fixed displacement complete with shockless type pressure relief valve

Motor options

- Anti swing-back valve

Key features

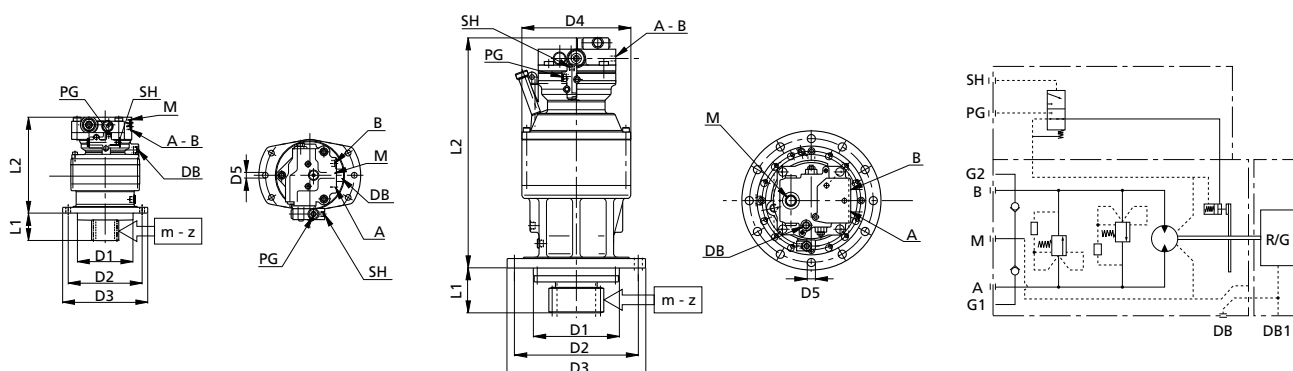
- Flange mounted
- Output shaft with integral pinion
- Rugged construction
- High torque capacity
- Output shafts supported by heavy-duty bearings
- Compact design

Torque (Nm)

700 T1 K	750
701 T2 K	1,200
703 T2 K	2,000
703 T2 K	2,500
705 T2 K	5,000
706 T2 K	7,500
707 T2 F	9,000
709 T2 F	11,000
710 T2 F	15,000
711 T2 F	24,000
713 T2 F	30,000



Type	Gearbox	Ratios	Motor Type	Motor Displacement	Max Pressure	Max Oil Flow	Pinion Module	Approx. Weight of Machine
	nbr	1:	Kayaba or Kawasaki	cc/rev	bar	l/min	mm	ton
700 T1 K	1	6.56-9.9	MSF27P (E)	25.1-27.4	120÷170	12÷20	3 - 4	up to 2
701 T1 K	1	8.2	MSF27P (E)	22.1-26.1	150÷170	20÷30	4 - 5.5	2 ÷ 3
701 T2 K	1	11.2-14.3-18.9-20.8	MSF27P (E)	22.1-26.1	150÷170	20÷30	4 - 5.5	2 ÷ 3
701 T2 K	1	13.7-14.3-18.9-20.8	MSF27P (E)	20.7-26.1-27.4	170÷200	20÷45	5 - 6	3 ÷ 6
703 T2 K	1	14.8-18.2-22.7-26	MSF27P (E)	26.1-27.4	180÷215	40÷50	6	4 ÷ 6
703 T2 K	1	21-23	MSF44P	44	220	80	8	6 ÷ 8
705 T2 K	1	19-26	MSF44P	44	260 ÷ 280	110 ÷ 120	10	8 ÷ 12
706 T2 K	1	15-17-23	MSF85P	85	260 ÷ 280	140 ÷ 150	10-12	12 ÷ 18
707 T2 F	1	17-25	M5X130	100-130	260 ÷ 280	140 ÷ 150	10-12	18 ÷ 21
709 T2 F	1	19-25	M5X180	130-160-180	270 ÷ 290	180 ÷ 240	12-14	21 ÷ 26
710 T2 F	1	22-26	M5X180	160-180	270 ÷ 290	250	14	26 ÷ 30
711 T2 F	1	21-25	M2X210	210	270 ÷ 290	290	14-16	30 ÷ 35
709 T2 F	2	19-25	M5X180	130-160-180	270 ÷ 290	180 ÷ 240	12-14	35 ÷ 45
710 T2 F	2	22-26	M5X180	160-180	270 ÷ 290	250	16	45 ÷ 60
711 T2 F	2	21-25	M2X210	210	270 ÷ 290	290	18	60 ÷ 80
713 T2 F	2	25-35	M5X180	160-180	270 ÷ 290	270	20	80 ÷ 120



700 T1 K...703 T2 K

703 T2 K - 27 ... 713 T2 F

Type	D1	D2	D3	D4	D5	L1	L2	A-B	DB	M	SH	PG	m	z
700 T1 K	-	228	260	186	ø 13 no.6	76	221	Main port	Drain port	Anticavitation port	Spool operating port	Brake release port	Pinion teeth data upon request	
701 T2 K	175	228	260	186	ø 13 no.6	86	256							
703 T2 K	175	245	272	244	ø 18 no.10	120	330							
703 T2 K - 27	175	245	272	244	ø 18 no.10	120	330							
705 T2 K - 44	230	245	272	244	ø 18 no.10	120	420							
706 T2 K - 63	230	332	372	292	ø 22 no.10	150	580							
706 T2 K - 85	270	332	372	292	ø 22 no.10	150	615							
707 T2 K - 85	-	360	410	348	ø 22 no.12	160	580							
707 T2 F	-	360	410	348	ø 22 no.12	160	580							
709 T2 F	270	360	410	348	ø 22 no.12	160	t.b.d.							
710 T2 F	390	460	510	400	ø 22 no.12	160	t.b.d.							
711 T2 F	370	470	520	430	ø 22 no.12	160	t.b.d.							
713 T2 F	550	600	660	445	ø 26 no.24	350	t.b.d.							

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



EXCAVATORS



MINING
EXCAVATORS

Key features

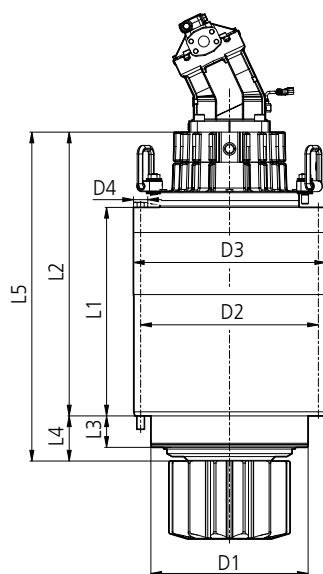
- Compact structure
- High performance
- Notchless ground tooth root
- Integrated disc-brake
- Suitable for various hydraulic motors
- High availability by highest teeth and production quality
- Interchangeable solutions

Torque (Nm)

S54	54,000
S60	62,000
S130	130,000



Type	Ratios	Braking Torque	Brake Release Pressure	Weight	Approx. Weight of Machine
	1:	Nm	bar	kg	kg
S54	48	1,200	38	867	150-220 (2x) 220-400 (3x) 400-600 (4x) 600-800 (5x) 800-1,000 (6x)
S60	62	1,200	38	1,036	700-900 (4x)
S130	67	2,300	22.5	2,276	1,200-1,400 (4x)



Type	L1	L2	L3	L4	L5	D1	D2	D3	D4
S54	610	780	40	87	917	460	520	562	24x26
S60	610	830	92	132	962	460	520	562	24x24
S130	578	876	95	160	1044	630	675	715	34x26

OUR GLOBAL PRESENCE

Thanks to an international network of closely interconnected commercial and production sites, we can guarantee the same high standards of Bonfiglioli quality anywhere at any given time. We know that our direct presence in local markets is the key to long-lasting success, so our family includes 18 production sites, 23 commercial sites and more than 550 distributors around the world.

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



18

PRODUCTION SITES



23

COMMERCIAL SITES



80

COUNTRIES



550

DISTRIBUTORS



~4,700

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

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