

Winch drives



FW Series

Small winch drives

The planetary winch gearboxes of the FW Series are suitable for a large spectrum of winch applications thanks to the availability of a wide torque range. The compact design allows the gearbox to be integrated into the winch drum. The failsafe brake can be integrated inside the gearbox or mounted externally, with common lubrication for the gears. Electrically driven versions are available with both in-line and right-angle configurations.



HYDRAULIC
SOLUTIONS



ELECTRIC
SOLUTIONS

Gear ratios

• 19 ... 409

Standard features

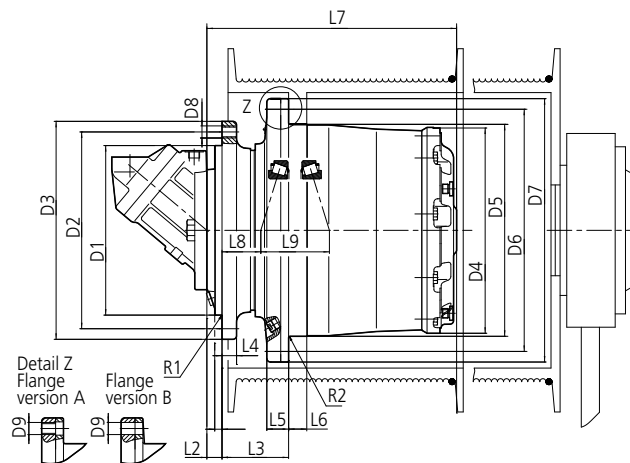
- Compact structure
- Robust layout of planetary gear unit
- Robust taper roller bearings for drum support and cable pull
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting
- High variety of ratios and hydraulic motors

Torque T_{Nom} (kNm)

FW10	5.4
FW13	7.25
FW30	17.6
FW40	20
FW40A	20

Overall dimensions and technical data

Type	Ratio ¹	Max Rope Pull	Output Torque Peak
	i	ton	Nm
FW10	35-51	2.4	10.000
FW13	93-108-122-140-178-229	4.6	13.000
FW30	19-32-61-66-81-90-101-114-121-137-171-228-305	6.8	30.000
FW40	19-22-32-61-66-81-85-101-110-117-124-142-181-222-266-409	8..10	40.000



Type	L1	L2	L3	L4	L5	L6	L7	L8	L9	R1	R2	D1	D2	D3	D4	D5	D6	D7	D8	D9 Vers. A	D9 Vers. B	Qty. D8/D9
FW10	10	30	72	13.5	15	16	230	28	79	0.6	0.6	190	230	256	216	220	260	290	M16x2	M16x2	17	12/8
FW13	10	30	72	13.5	15	16	255	28	79	0.6	0.6	190	230	256	216	220	260	290	M16x2	M16x2	17	12/8
FW30	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	17	18/18
FW40	16	16	91	21	34	26	338	38	100	2.5	2.5	240	285	320	294	295	335	370	M16x1.5	M16x1.5	17.5	20/20
FW40A	13	35	91	21	34	26	357	38	100	2.5	2.5	270	310	345	294	295	335	370	M16x1.5	M16x1.5	17.5	16/20

1) Other ratios on demand

Winch drives



FW Series

Medium winch drives

The planetary winch gearboxes of the FW Series are suitable for a large spectrum of winch applications thanks to the availability of a wide torque range. The compact design allows the gearbox to be integrated into the winch drum. The failsafe brake can be integrated inside the gearbox or mounted externally, with common lubrication for the gears. Electrically driven versions are available with both in-line and right-angle configurations.



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Gear ratios

• 14 ... 228

Standard features

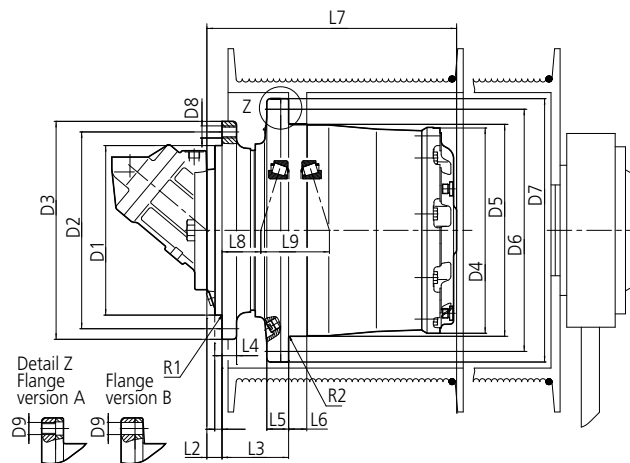
- Compact structure
- Robust layout of planetary gear unit
- Robust taper roller bearings for drum support and cable pull
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting
- High variety of ratios and hydraulic motors

Torque T_{Nom} (kNm)

FW55	25.4
FW55A	25.4
FW55B	25.4
FW80	42.8
FW100	70

Overall dimensions and technical data

Type	Ratio ¹	Max Rope Pull	Output Torque Peak
	i	ton	Nm
FW55	16-19-22-32-63-68-87-94-103-117-124-137-148-185	10.12	55.000
FW80	19-32-61-81-101-114-121-137-147-171-187-206-228	12..16	80.000
FW100	14-21-22-26-32-77-84-95-121-142-175-192-226	16..24	10.000



Type	L1	L2	L3	L4	L5	L6	L7	L8	L9	R1	R2	D1	D2	D3	D4	D5	D6	D7	D8	D9 Vers. A	D9 Vers. B	Qty. D8/D9
FW55	12	25	110	24	36	30	413	64	113	1	2.5	280	325	360	340	350	400	435	M20x1.5	M20x1.5	22	24/20
FW55A	20	30	91	24	36	30	399	45	113	4	2.5	240	285	320	340	350	400	435	M20x1.5	M20x1.5	22	20/20
FW55B	12	37	110	24	36	30	425	64	113	1	2.5	290	335	370	340	350	400	435	M20x1.5	M20x1.5	22	20/20
FW80	20	35	90	22	37	24	415	34	123	4	2.5	330	370	410	374	400	450	490	M24x2	M24x2	26	20/20
FW100	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	26	30/24

1) Other ratios on demand

Winch drives



FW Series

Large winch drives

The planetary winch gearboxes of the FW Series are suitable for a large spectrum of winch applications thanks to the availability of a wide torque range. The compact design allows the gearbox to be integrated into the winch drum. The failsafe brake can be integrated inside the gearbox or mounted externally, with common lubrication for the gears. Electrically driven versions are available with both in-line and right-angle configurations.



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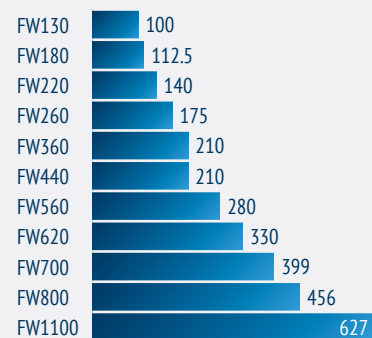
Gear ratios

- 14 ... 810

Standard features

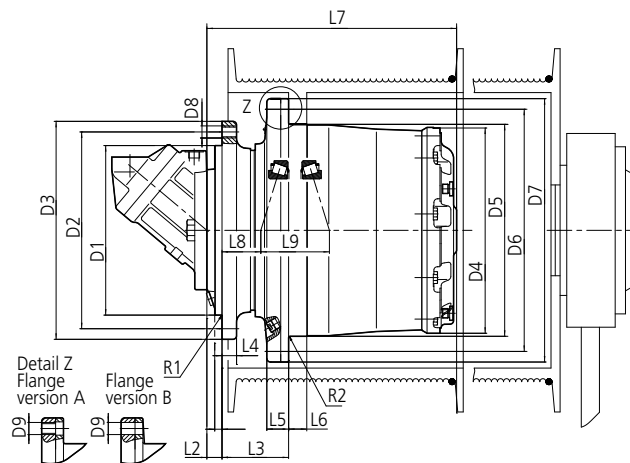
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- Robust taper roller bearings for drum support and cable pull
- Integrated disc-brake
- Easy oil change from front side
- Easy drum mounting
- High variety of ratios and hydraulic motors

Torque T_{Nom} (kNm)



Overall dimensions and technical data

Type	Ratio ¹	Max Rope Pull	Output Torque Peak
	i	ton	Nm
FW130	14-18-21-22-43-55-70-81-85-95-115-123-141-159-167-180-206	24..32	13.000
FW180	23-206-222-256-281	32..34	180.000
FW220	69-97-120-165-191-248-290-345-810	34..40	220.000
FW260	69-97-148-168-243-251-345	40..46	260.000
FW360	25-94-128-160-168-186-223-242-257-283-340-343-490	46..52	360.000
FW440	310-352-415-555-637	52..54	440.000
FW560	250-357-388-519-739	54..65	560.000
FW620	30-250-293-328-495	65..70	620.000
FW700	377-648	70..76	700.000
FW800	23-283-298	76..88	800.000
FW1100	404-406	88..104	1.100.000



Type	L1	L2	L3	L4	L5	L6	L7	L8	L9	R1	R2	D1	D2	D3	D4	D5	D6	D7	D8	D9 Vers. A	D9 Vers. B	Qty. D8/D9
FW130	45	45	190	35	58	45	530	50.5	147	25	4	390	500	550	449	450	500	550	M24x2	M24x2	26	32/32
FW180	30	30	168	40	56	21.5	534.5	50.3	141.4	4	3	450	510	560	528	535	600	650	M24x2	M24x2	26	30/30
FW220	18	52	166.5	40	61	35	580.5	16	187.5	35°/16/16	4	460	600	650	540	542	600	650	M24x2	M24x2	26	38/38
FW260	21	45	170	40	48	60	579	18.5	189.5	2	-	460	520	570	608	610	680	735	M30x2	M30x2	32	24/24
FW360	100	100	130	40	60	80	658	-25	215	18°/100/16	10	580	680	735	649	650	720	775	M30x3.5	M30x3.5	32	30/30
FW440	40	43	255	40	25	25	820	80	213	4	4	450	515	569	669	570	620	670	M36x3	M30x3	32	30/30
FW560	40	43	255	45	45	120	831.5	80	213	4	4	450	515	569	763	570	620	670	M36x1.5	M30x1.5	32	29/42
FW620	30	33	405	96	-	306	1159	99	287	4	5	668	726	779	-	782	830	880	M36x1.5	M30x2	32	30/45
FW700	30	33	405	96	-	306	1283.5	99	287	4	5	668	726	779	-	780	850	900	M36x1.5	M36x1.5	38	30/45
FW700A	30	33	405	96	-	306	1372.5	99	287	4	5	668	726	779	-	780	850	900	M36x1.5	M36x1.5	38	30/45
FW800	20	25	229	60	58	170	1315	161/163	257/253	6	8	830	980	1050	916	920	976	1055	M30x2	M30x2	32	48/48
FW1100	57	60	503	74	-	-	1483	176	368	10	6	1110	1230	1310	1116	-	1170	1226	M36x4	M30x3.5	32	48/52

1) Other ratios on demand

Winch drives

Winch system for vertical drills with external or internal brake



Machine weight tons	Winch Drive
Up to 15	FW13
15-20	FW30
20-28	FW30
28-33	FW40
33-40	FW40
40-50	FW55
50-70	FW80
70-80	FW130
80-100	FW130
100-120	FW180
120-150	FW180
150-180	FW220
180-200	FW620
200-300	FW1100