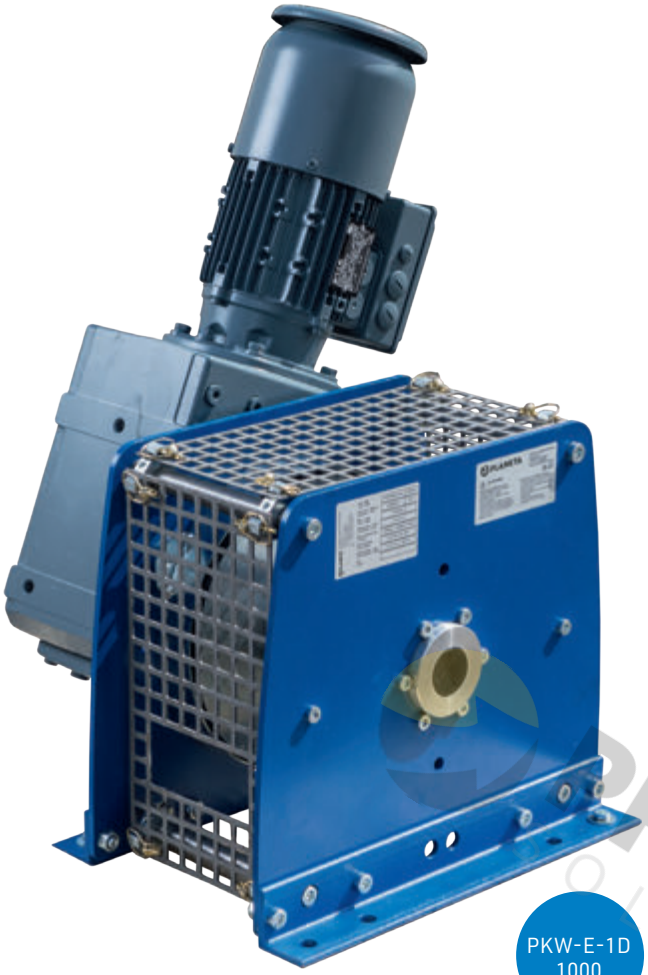


ELECTRIC ROPE WINCH | **PKW-E**

As a variation of the PFW-E rope winch, the PKW-E rope winch is equipped with a bevel-helical gear unit. As such, the device is much narrower and can operate in even the tightest of spaces. Due to the close relationship with the PFW rope winch, its performance data and equipment features are identical.

Standard features:

- Capacity of 250 kg to 3,000 kg
- Bevel-helical gear unit and brake motor
- AC or three-phase motor
- Different speeds and rope capacities
- Protection class IP55 - 66. Duty cycle 60% - 100%
- Low-maintenance with lifetime lubrication
- Mechanism group M3 (1Bm)
- Documentation optionally in German or English
- Log book and EC Declaration of Incorporation

Options:

- Rope and hook fully installed, multiple rope lead-offs
- Grooved and extended drum, manual free-wheeling coupling
- Drum pressure roller and slack wire switch
- Protective drum cover and special paint finishes
- Further speeds and drum versions
- Versions for ATEX and stages / studios
- Versions for marine / offshore areas

Basic design

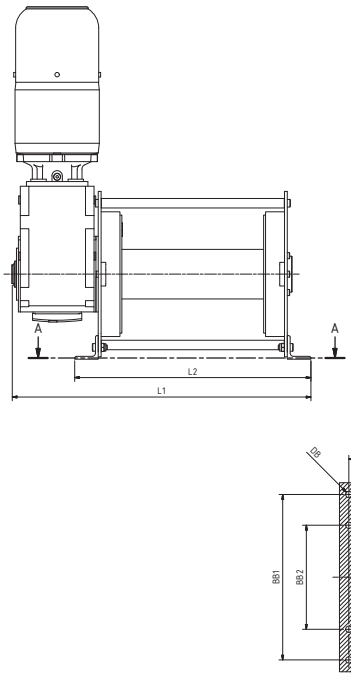
TYPE	PKW-E-1D	250	500	750	1000	1500	2000	3000
Lifting capacity in 1st rope layer	kg	250	500	750	1,000	1,500	2,000	3,000
Lifting capacity in 5th rope layer	kg	160	320	480	640	950	1,270	1,920
Rope diameter	mm	5	6	7	8	10	12	14
Rope length in 1st rope layer	m	11	11	11	10	10	9	9
Rope length in 5th rope layer	m	75	75	75	75	75	75	75
Expansion every 100 mm extended drum 1st/5th layer	approx. m	4/25	4/25	4/25	4/25	4/25	4/25	4/25
Rope speed 1st rope layer	approx. m/min	8	8	8	8	8	8	8
Rope speed 5th rope layer	approx. m/min	12	12	12	12	12	12	12
Motor power	kW	0.37	0.75	1.1	1.5	2.1	2.6	4
PKW-E-1D with standard speed	**Order No.**	**H63101**	**H63111**	**H63121**	**H63131**	**H63141**	**H63151**	**H63161**
Rope speed 1st rope layer	approx. m/min	4	4	4	4	4	4	4
Rope speed 5th rope layer	approx. m/min	6	6	6	7	6	7	6
Motor power	kW	0.25	0.37	0.55	0.75	1.1	1.5	2.1
PKW-E-1D with half speed	**Order No.**	**H63104**	**H63114**	**H63124**	**H63134**	**H63144**	**H63154**	**H63164**
Rope speed 1st rope layer	approx. m/min	12	12	12	12	12	12	12
Rope speed 5th rope layer	approx. m/min	19	19	19	19	19	19	19
Motor power	kW	0.55	1.1	1.5	2.1	3.2	4	5.5
PKW-E-1D with fast speed	**Order No.**	**H63103**	**H63113**	**H63123**	**H63133**	**H63143**	**H63153**	**H63163**

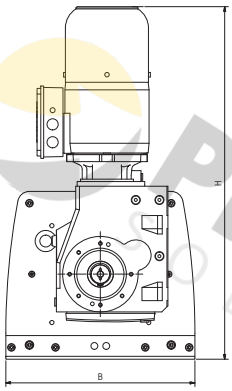
PRO-LIFT SOLUTIONS

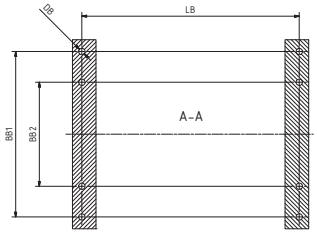
Double diameter drum

TYPE	PKW-E-2D	250	500	750	1000	1500	2000	3000
Lifting capacity in 1st rope layer	kg	125	250	375	500	750	1,000	1,500
Rope diameter	mm	5	6	7	8	10	12	14
Rope length in 1st rope layer	m	20	20	20	20	19	18	17
Expansion every 100 mm extended drum 1st layer	approx. m	7	7	7	7	7	7	7
Rope speed 1st rope layer	approx. m/min	15	15	15	15	15	15	15
Motor power	kW	0.37	0.75	1.1	1.5	2.1	2.6	4
PKW-E-2D with standard speed	**Order No.**	**H63201**	**H63211**	**H63221**	**H63231**	**H63241**	**H63251**	**H63261**
Rope speed 1st rope layer	approx. m/min	8	7	7	8	8	9	7
Motor power	kW	0.18	0.37	0.55	0.75	1.1	1.5	2.2
PKW-E-2D with half speed	**Order No.**	**H63204**	**H63214**	**H63224**	**H63234**	**H63244**	**H63254**	**H63264**
Rope speed 1st rope layer	approx. m/min	22	22	22	22	22	22	22
Motor power	kW	0.55	1.1	1.5	2.1	3.2	4	5.5
PKW-E-2D with fast speed	**Order No.**	**H63203**	**H63213**	**H63223**	**H63233**	**H63243**	**H63253**	**H63263**

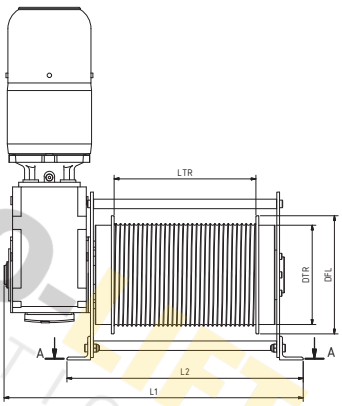
PKW-E-1D

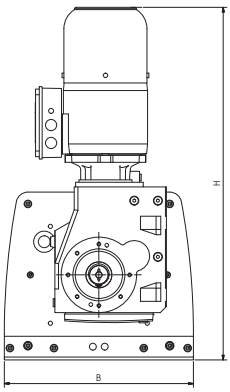


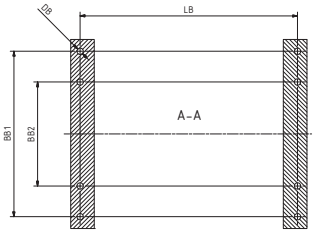




PKW-E-2D







Dimensions and weights

TYPE	PKW-E-1D/ PKW-E-2D	250	500	750	1000	1500	2000	3000
L1	approx. mm	570	575	580	635	670	770	820
L2	mm	460	460	460	500	500	570	570
B	mm	270	320	360	400	460	550	620
H	approx. mm	530	630	660	750	790	890	890
LTR	mm	300	300	300	300	300	300	300
DTR 1D/2D	mm	65/130	80/160	92/185	105/210	130/260	155/310	185/350
DFL	mm	155	190	220	250	310	370	430
LB	mm	430	430	430	460	460	520	520
BB1	mm	220	250	310	350	410	500	560
BB2	mm	–	–	–	220	280	320	380
DB	mm	13.5	13.5	13.5	13.5	13.5	17.5	17.5
Weight	approx. kg	35/40	55/60	75/85	110/120	200/215	250/290	350/395

PRO-LIFT