

Wall-mounted winch model SW-W

Capacity 80 - 750 kg

Wall-mounted rope winches of the SW-W model range are intended for fixed stationary mounting inside a building. The steel wire rope is guided to the required suspension point of the load by means of deflection sheaves.

Features

- Robust aluminium housing for models SW-W 80 and SW-W 125, proven steel plate design for models SW-W 300 - 750.
- Spur gear drive for optimal efficiency and comfortable handling. Direct drive for loads up to 125 kg.
- The low-noise safety spring brake safely holds the load in every position.
- Removable hand crank for models SW-W 80 and SW-W 125, foldable crank for models SW-W 300 - 750.
- Easy and quick mounting onto walls.



Technical data model SW-W

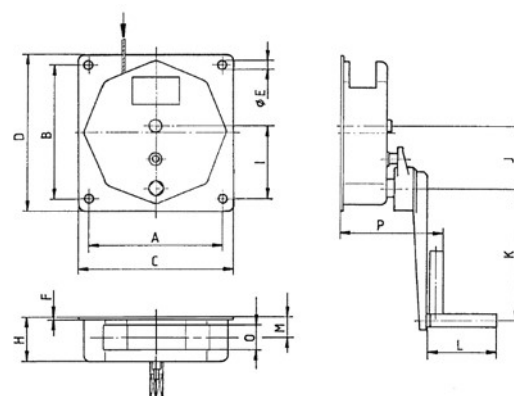
Model	EAN-No. 4025092*	Capacity 1 st layer kg	Capacity top layer kg	Drum diameter mm	Rope diameter mm	Useable rope length 1 st layer m	Useable rope length top layer m	Lift per crank rotation mm	Required crank effort daN	Weight without rope kg
SW-W 80	*984638	80	45	51	3 ¹	2,4	30	170	12	3
SW-W 125	*686235	125	65	40	4 ¹	2	12	138	13	3
SW-W 300	*990509	300	220	108	5 ²	2,1	15	68	15	10
SW-W 500	*984669	500	350	108	6 ²	2,4	15	35	13	11
SW-W 750	*984508	750	550	108	7 ²	2	10	35	20	11

¹ recommended rope: DIN 3055 FE-znk 1770 sZ-spa

² recommended rope: DIN 3060 FE-znk 1770 sZ-spa

Dimensions model SW-W

Model	SW-W 80	SW-W 125	SW-W 300	SW-W 500	SW-W 750
EAN-No.	*984638	*686235	*990509	*984669	*984508
A, mm	110	110	250	250	250
B, mm	110	110	250	250	250
C, mm	130	130	290	290	290
D, mm	130	130	290	290	290
Ø E, mm	9	9	14,5	14,5	14,5
F, mm	15	15	2	2	2
H, mm	121	121	85	85	85
I, mm	55	55	138	138	138
J, mm	-	-	117	117	117
K, mm	250	250	250	250	250
L, mm	130	130	130	130	130
M, mm	68	68	39	39	39
O, mm	60	60	50	50	50
P, mm	275	275	192	192	192





Wall-mounted winch model SW-W ALPHA

Capacity 300 - 1000 kg

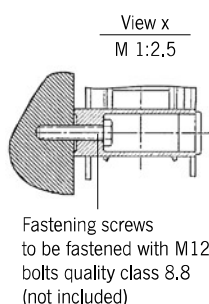
A versatile wall-mounted winch for an easy lifting of loads.

Features

- Light weight robust stamped steel housing and compact design.
- Spur gear drive for optimal efficiency and comfortable handling.
- Rope lead-offs to all directions.
- All parts are zinc-plated for increased corrosion protection, drum with additional special coating.
- Integrated crank with load pressure brake for safe holding of the load.
- Easy and quick mounting onto walls.

INFO

For a better guiding of the rope to the suspension point we recommend the use of sheaves or sheave blocks, please see page 79.



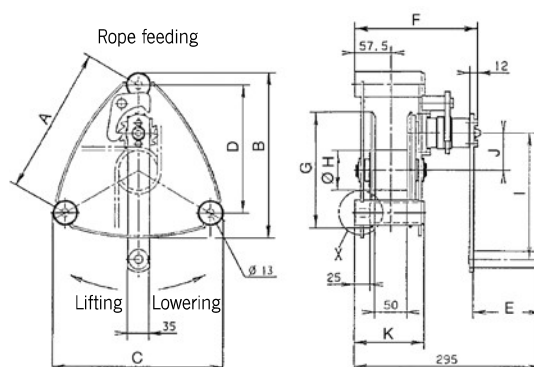
Technical data model SW-W ALPHA

Model	EAN-No. 4050939***	Capacity 1 st layer kg	Capacity top layer kg	Drum length mm	Rope diameter mm	Useable rope length 1 st layer m	Useable rope length top layer m	Lift per crank rotation mm	Required crank effort daN	Weight without rope kg
SW-W ALPHA 300	***050917	300	130	50	5 ²	1.3	28	57	13	10
SW-W ALPHA 500	***051037	500	230	50	6 ²	1	20	55	17	10
SW-W ALPHA 750	***051181	750	270	50	7 ²	1	26	45	17	16
SW-W ALPHA 1000	***051228	1000	360	50	7 ²	1	26	45	18	16

² recommended rope: DIN 3060 FE-znk 1770 sZ-spa

Dimensions model SW-W ALPHA

Model	SW-W ALPHA 300	SW-W ALPHA 500	SW-W ALPHA 750	SW-W ALPHA 1000
Art.-No.	***050917	***051037	***051181	***051228
A, mm	234	234	306	306
B, mm	262	262	337	337
C, mm	274	274	357	357
D, mm	203	203	265	265
E, mm	107	107	107	107
F, mm	194	194	194	194
G, mm	183	183	255	255
Ø H, mm	63	63	63.5	63.5
I, mm	200	250	250	320
J, mm	58.6	58.6	92.5	92.5
K, mm	109.5	109.5	107	107



Wall-mounted winch with worm gear drive model SW-W-SGO

Capacity 250 - 5000 kg

Wall-mounted winch with worm gear drive and load pressure brake for efficient lifting of heavy loads.

Features

- Housing and rope drums made out of robust steel plate.
- Worm gear drive with additional load pressure brake for safe holding of the load.
- Roller bearings ensure smooth running of the rope and increased lifetime of the winch.
- Second speed for fast lifting of smaller loads, resulting in lowest possible handle effort and rapid winding of the rope (for capacities of 2000 kg and above).
- Wide rope drum for a large rope capacity with two rope attachment points.
- Easy and quick mounting.



Model SW-W-SGO
Capacity 1500 kg

Technical data model SW-W-SGO

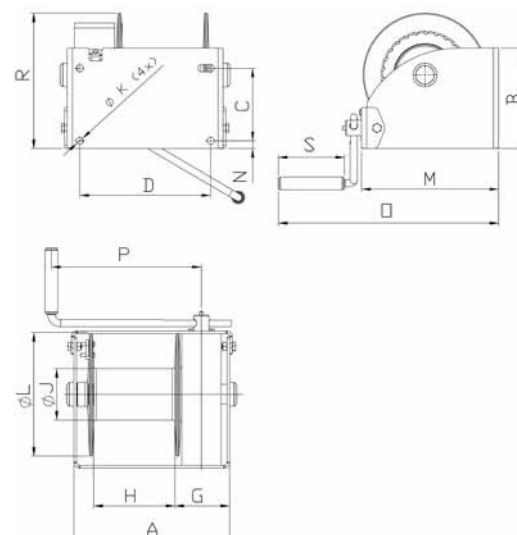
Model	EAN-No. 4050939***	Capacity 1 st layer kg	Capacity top layer kg	Rope diameter mm	Useable rope length 1 st layer m	Useable rope length top layer m	Lift per crank rotation mm	Required crank effort daN	Weight without rope kg
SGO 250	***049263	250	100	5 ²	2.3	44	29	6	13
SGO 500	***049270	500	238	6 ²	3.7	54	30	11	16
SGO 1000	***051464	1000	500	9 ²	4.5	46	21	10,6	26
SGO 1500	***051563	1500	850	10 ²	4.5	38	18	16	28
SGO 2000	***050443	2000	1100	13 ²	4	37	8/16 ³	9/18 ³	60
SGO 3000	***050481	3000	2000	16 ²	5	34.5	7/14 ³	12/24 ³	78
SGO 5000	***050818	5000	3300	20 ²	4.5	33.8	8/16 ³	25.2/50.4 ³	105

²recommended rope: DIN 3060 FE-znK 1770 sZ-spa

³1st/2nd speed

Dimensions model SW-W-SGO

Model	SGO 250	SGO 500	SGO 1000	SGO 1500	SGO 2000	SGO 3000	SGO 5000
EAN-No.	***049263	***049270	***051464	***051563	***050443	***050481	***050818
A, mm	238	269	302	302	410	436	436
B, mm	145	160	195	250	310	365	460
C, mm	100	115	141	178	196	251	316
D, mm	192	223	254	254	360	386	386
G, mm	106	107	110	111	137	137	137
H, mm	102	131	160	160	176	204	200
Ø J, mm	48	70	102	102	133	165	219
Ø K, mm	14	14	17	17	25	25	25
Ø L, mm	160	190	240	240	312	376	437
M, mm	191	221	266	278	383	443	495
N, mm	15	15	15	15	45	47	60
O, mm	354	384	429	441	-	-	-
P, mm	280	325	350	350	380	380	380
R, mm	171	192	264	306	420	527	604
S, mm	130	130	130	130	220	220	220





Manual winch with spur gear drive model MWS

Capacity 150 - 1500 kg

For the operation where no electricity is available or in a dirty environment.

Recommended rope diameter according to DIN 3060
FE-znk 1770 sZ-spa.

Features

- Enclosed gear drive for protection of internal parts, even under tough working conditions.
- Spur gears on roller bearings, rope drum on plain bearings.
- Compact design.
- Easy and quick mounting onto walls, poles etc.
- They have a self-locking, anti-kickback and adjustable crank handle for fast lifting of smaller loads, resulting in lowest possible handle effort and rapid winding of the rope.
- Automatic load pressure brake for safe holding and extremely sensitive lowering of the load. Unintentional brake release is prevented even with swinging loads.
- They are suitable for operation in ambient temperatures of -20 °C up to +40 °C.

Option

- Corrosion resistant version.

INFO

For a better guiding of the rope to the suspension point we recommend the use of sheaves or sheave blocks, please see page 79.

Pfaff winches are not designed for passenger elevation applications and must not be used for this purpose.

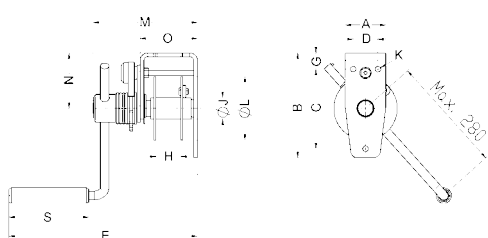
Technical data model MWS

Model	EAN-No. 4025092* 4053981**	Capacity 1 st layer kg	Capacity top layer kg	Crank effort 1 st layer daN	Lift per crank rotation 1 st layer mm	Lift per crank rotation top layer mm	Weight without rope kg	Rope diameter mm	Useable rope length 1 st layer m	Useable rope length max. m	Number of layers max.
MWS 150	*635356	150	68	11	122	210	4	4 ²	0.8	13	8
MWS 300	*635363	300	166	6	32	44	10	5 ²	1.8	21	7
MWS 600	*635370	600	308	10	28	41	11	6 ²	1.2	12	6
MWS 1000	**790718	1000	587	11	20	27	27	9 ²	3.0	25	5
MWS 1500	**790732	1500	844	12	14	19	27.5	10 ²	2.7	21	5

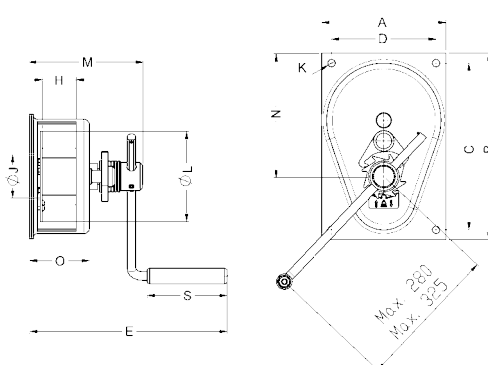
² recommended rope: DIN 3060 FE-znk 1770 sZ-spa

Dimensions model MWS

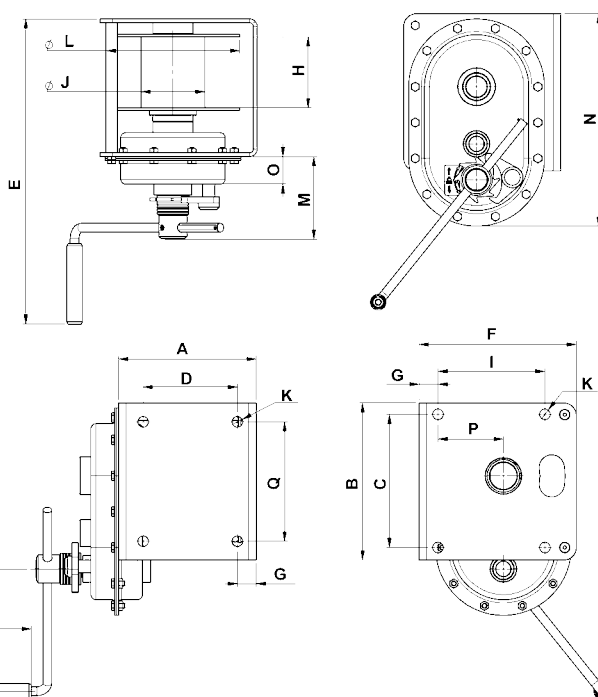
Model	MWS 150	MWS 300	MWS 600	MWS 1000	MWS 1500
A, mm	65	200	200	219	219
B, mm	168	300	300	250	250
C, mm	128	268	268	212	212
D, mm	40	168	168	150	150
E, mm	303	318	318	484	484
F, mm	—	—	—	250	250
G, mm	26	—	—	30	30
H, mm	41	55	55	113	113
I, mm	—	—	—	170	170
Ø J, mm	35	70	60	102	102
K, mm	9	12	12	17	17
Ø L, mm	102	145	145	212	212
M, mm	168	182	182	130	130
N, mm	89	199	199	338	338
O, mm	92	96	96	44	44
P, mm	—	—	—	104	104
Q, mm	—	—	—	190	190
S, mm	129	129	129	129	129



Model MWS, capacity 150 kg



Model MWS, capacity 300 - 600 kg



Model MWS, capacity 1000 - 1500 kg

Console-mounted winch model LB

Capacity 150 - 1200 kg

Originally developed as offroad winch the console-mounted winch model LB is used today for a variety of lifting and pulling applications.

Features

- Light weight robust stamped steel housing.
- Spur gear drive for optimal efficiency and comfortable handling.
- Automatic load pressure brake for safe holding of the load in any position. An unintentional brake release is prevented.
- All parts are zinc-plated for increased corrosion protection, drum with additional special coating.
- Easy and quick mounting to consoles, even under lifting conditions.

Options

- Stainless steel version (mat. 1.4301) for increased corrosion protection.
- Free wheeling device for a quick manual unrolling of the unloaded rope.



Model LB,
zinc-plated version,
capacity 1200 kg



Model LB,
zinc-plated version,
capacity 350 kg



Model LB-VA,
stainless steel version,
capacity 900 kg

Technical data model LB

Model	EAN-No. 4025092* 4050939*** Zinc-plated version	EAN-No. 4025092* 4050939*** Free wheeling device	EAN-No. 4025092* 4050939*** Stainless steel version	Capacity 1 st layer kg	Capacity top layer kg	Rope diameter mm	Useable rope length 1 st layer m	Useable rope length top layer m	Lift per crank rotation mm	Required crank effort daN	Weight without rope kg
LB 150 VZ	***050542	—	—	150	75	4 ²	0,8	11	125	17	4,2
LB 350 VZ	***050559	—	—	350	170	4 ²	1,8	20	125	25	4,8
LB 650 VZ	*994736	—	—	650	290	6 ²	1	20	55	22	7,3
LB 900 VZ/ARA	*994859	*992251	—	900	400	7 ²	0,8	14	58	24	10
LB 1200 VZ/ARA	*561655	***049249	—	1200	430	7 ³	1	26	45	24	12,1
LB 250 VA	—	—	*441964	250	125	4 ²	1,8	19,5	125	20	4,8
LB 650 VA	—	—	*284875	650	290	6 ²	1	20	55	22	7,6
LB 900 VA	—	—	*562461	900	320	7 ²	1	26	45	24	12,1

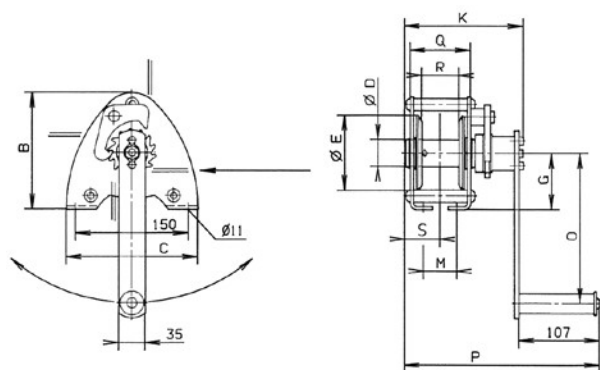
² recommended rope: DIN 3060 FE-znk 1770 sZ-spa

³ recommended rope: DIN 3069 SE-znk 2160 sZ-spa

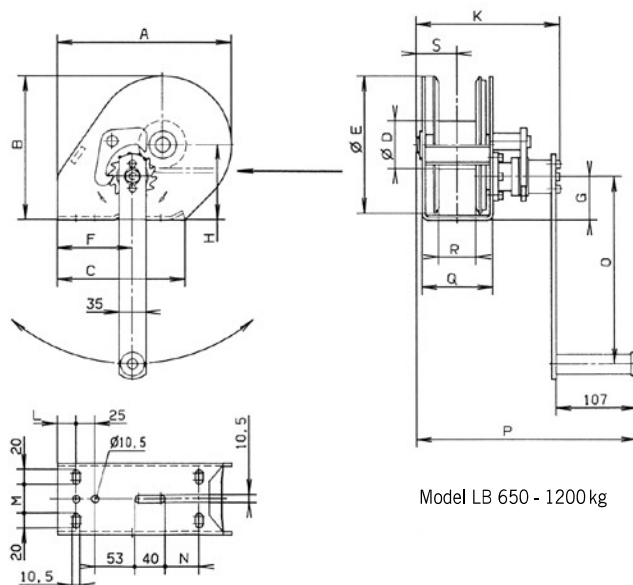
Dimensions model LB

Model	LB 150 VZ	LB 350 VZ	LB 650 VZ	LB 900 VZ LB 900 ARA	LB 1200 VZ LB 1200 ARA	LB 250 VA	LB 650 VA	LB 900 VA
EAN-No. Zinc-plated version	***050542	***050559	*994736	*994859	*561655	—	—	—
EAN-No. Free wheeling device	—	—	—	*992251	***049249	—	—	—
EAN-No. Stainless steel version	—	—	—	—	—	*441964	*284875	*562461
A, mm	—	—	232	232	273	—	232	273
B, mm	155	155	192	192	266	155	192	266
C, mm	175	175	210	210	240	175	210	240
Ø D, mm	36	36	63,5	63,5	63,5	36	63,5	63,5
Ø E, mm	100	100	183	183	255	100	183	255
F, mm	—	—	100	100	78	—	100	78
G, mm	75	75	58	58	75	75	58	75
H, mm	—	—	100	100	138	—	100	138
K, mm	159	189	192	192/226*	192/226*	191,5	190	190
L, mm	—	—	25	25	35	—	25	35
M, mm	45	75	38	38	30	75	38	30
N, mm	—	—	—	—	53	—	—	53
O, mm	200	320	250	320	320	320	250	250
P, mm	260	290	293	293/303*	293/303*	292,5	291	291
Q, mm	81	111	95	95	95	111	95	95
R, mm	50	80	50	50	50	80	50	50
S, mm	48	63	55	55	55	65,5	55	55

*Free wheeling device



Model LB 150 - 350 kg



Model LB 650 - 1200 kg



Model SW-K GAMMA
capacity 800 kg

Model SW-K GAMMA
capacity 500 kg



Console-mounted aluminium rope winch model SW-K GAMMA

Capacity 200 - 800 kg

Due to its rugged design, the aluminium rope winch is suitable for operation outdoors.

Features

- Compact aluminium housing and enclosed sprocket wheel drive. From a capacity of 500 kg with speed increasing ratio for small loads and quicker winding and unwinding of the unloaded rope.
- Spur gear drive for optimal efficiency and comfortable handling.
- Enclosed gear for the protection of parts inside, also for arduous applications.
- Low-friction shaft sliding bearings for improved rope lead-off and a longer service life of the winch.
- Wide rope drum for a large rope capacity with two rope attachment points.
- Easy and quick mounting.
- With integrated safety spring brake system and removable crank. The winches can be operated from either side.

Technical data model SW-K GAMMA

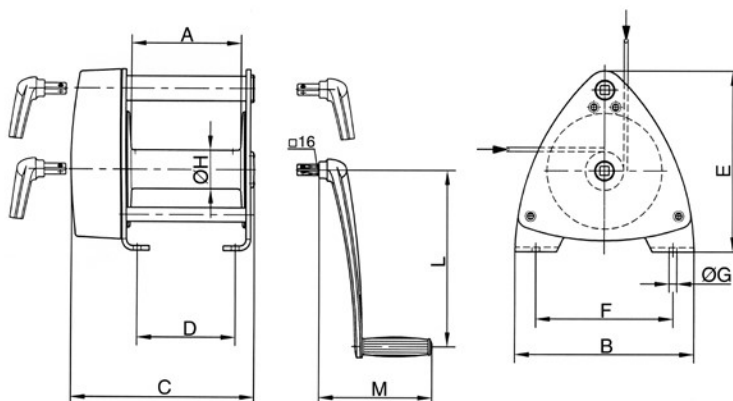
Model	EAN-No. 4025092*	Capacity 1 st layer	Capacity top layer	Rope diameter	Useable rope length 1 st layer	Useable rope length top layer	Lift per crank rotation	Required crank effort	Ratio	Weight without rope
		kg	kg	mm	m	m	mm	daN		kg
GAMMA 200	*984690	200	110	4 ²	3,6	40	195	19	–	6
GAMMA 500	*983808	500	200	6 ²	4,2	50	60/400 ³	12	6.57:1	14
GAMMA 800	*441346	800	350	7 ²	5,3	78	36/280 ³	18	7.57:1	16

²recommended rope: DIN 3060 FE-znk 1770 sZ-spa

³load/speed increasing ratio

Dimensions model SW-K GAMMA

Model	GAMMA 200	GAMMA 500	GAMMA 800
EAN-No.	*984690	*983808	*441346
A, mm	120	120	200
B, mm	160	220	326
C, mm	192	330	336
D, mm	152	100	180
E, mm	165	267	327
F, mm	135	125	250
Ø G, mm	9,5	11	14
Ø H, mm	50	60	70
L, mm	320	250	320
M, mm	207	165	207



Compact aluminium rope winch with free-wheeling device model SW-KAL

Capacity 750 - 1120 kg

Console-mounted rope winches are used for super-structures on vehicles and trailers and when lifting and lowering loads.

Features

- Self-locking worm gear, free-wheeling device for ease of operation.
- Enclosed gear for the protection of internal parts, also for arduous applications.
- Low-friction shaft bearings for a longer service life of the winch.
- Easy and quick mounting.



INFO

Pfaff winches are not designed for passenger elevation applications and must not be used for this purpose.

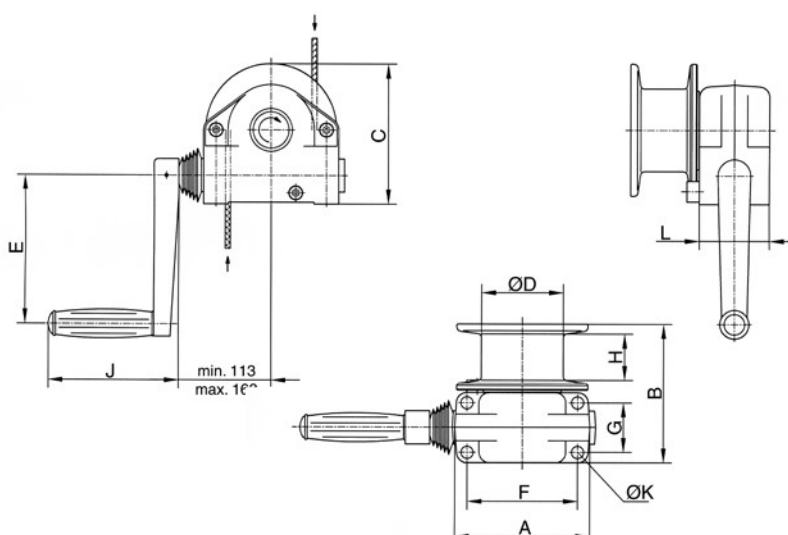
Technical data model SW-KAL

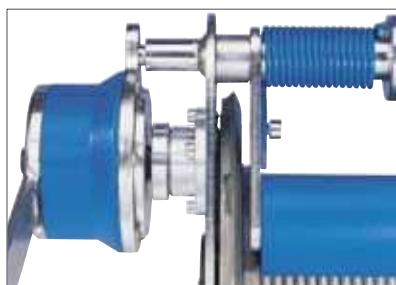
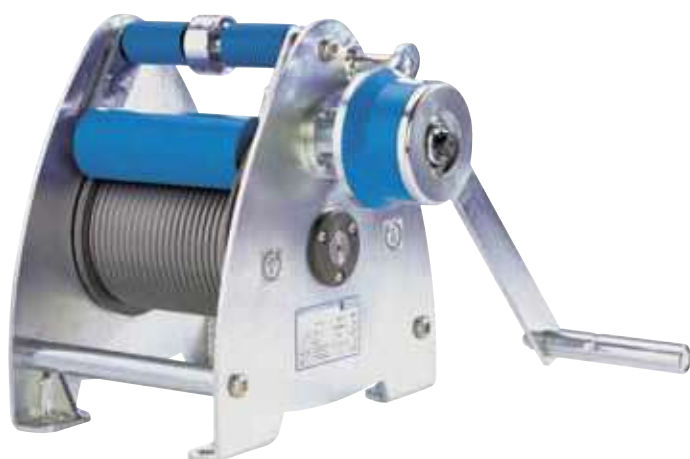
Model	EAN-No. 4050939***	Capacity 1 st layer	Capacity top layer	Drum diameter	Rope diameter	Useable rope length 1 st layer	Useable rope length max.	Lift per crank rotation	Lift per crank rotation top layer	Required crank effort	Weight without rope
		kg	kg	mm	mm	m	m	mm	mm	daN	kg
KAL 750	***051242	750	600	100	6 ²	1.3	10	15	17	20	7
KAL 1120	***051389	1120	600	63	7 ²	0.5	10	11	16	22	7

²recommended rope: DIN 3060 SE-znk 1770 sZ-spa

Dimensions model SW-KAL

Model	KAL 750	KAL 1120
Art.-No.	030207004	030208000
A, mm	165	165
B, mm	168	168
C, mm	170	170
Ø D, mm	100	63
E, mm	180	180
F, mm	135	135
G, mm	60	60
H, mm	56	50
J, mm	160	160
Ø K, mm	13	13
L, mm	85	85





Console-mounted rope winch model SW-K LAMBDA (DGUV Vorschrift 17 [BGVC1])

Capacity 300 kg

The compact rope winch for applications on stages, in studios, theatres, etc.

Features

- State-of-the-art design with galvanized side sections for easy handling.
- Grooved drum for single-layer winding of the steel rope. An 18:1 ratio between drum and rope diameter increases the service life of the rope substantially.
- With spring-loaded rope pressure roller to prevent the unloaded rope from jumping off the drum.
- Gear rated for twice the nominal load.
- Spur gear drive for optimal efficiency and comfortable handling.
- The fitted safety crank with two spring brakes acting independently of each other for safe holding of the load in any position.
- Complies with DGUV Vorschrift 17 (BGVC1) and DIN 56925-1.

Options

- Drum extension for a larger rope capacity.
- Special grooves (several layers)

INFO

Certified by the German committee for lifting equipment (GS-approval-tested safety).

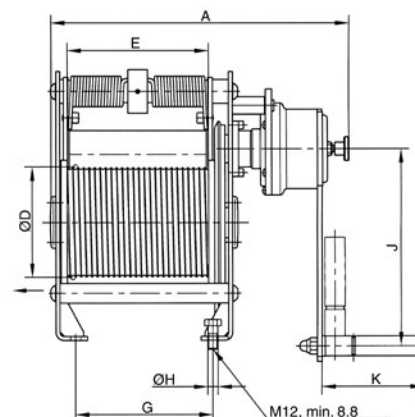
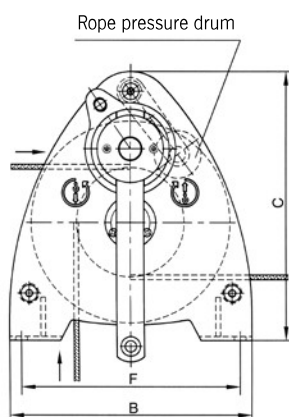
Technical data model SW-K LAMBDA (DGUV Vorschrift 17 [BGVC1])

Model	EAN-No. 4050939***	Capacity kg	Rope diameter mm	Useable rope length max. 1 st layer m	Lift per crank rotation mm	Required crank effort daN	Ratio	Weight without rope kg
SW-K LAMBDA	***050382	300	6 ⁴	10	50	18	8,83:1	30
SW-K LAMBDA	***050405	300	6 ⁴	15	50	18	8,83:1	36

⁴recommended steel rope: 6 DIN 3069 SE-znk 1960 sZ-spa (breaking load of the rope min. 30,4 kN)

Dimensions model SW-K LAMBDA (DGUV Vorschrift 17 [BGVC1])

EAN-No.	***050382	***050405
A, mm	379	469
B, mm	310	310
C, mm	340	340
Ø D, mm	139.4	139.4
E, mm	180	270
F, mm	280	280
G, mm	175	265
Ø H, mm	13	13
J, mm	250	250
K, mm	130	130



Sheave block for rope guidance, equipped with ball bearings model DSRB S

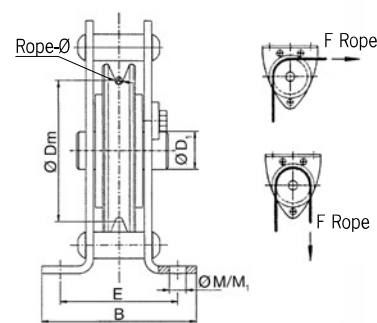
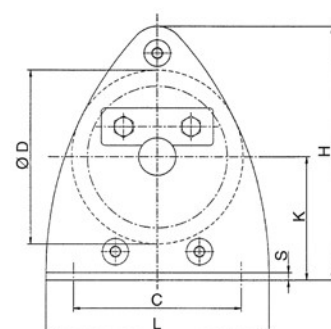
Technical data model DSRB

Model	EAN-No. 4025092* 4050939***	Classification FEM/ISO	Pulling force in kg at deflection 90°	Pulling force in kg at deflection 180°	Rope diameter mm
DSRB S 90/4	***066062	2m/M5	700	500	3-4
DSRB S 90/6	***066123	1Dm/M1	700	500	5-6
DSRB S 145/7	*990424	1Am/M4	1100	800	7
DSRB S 185/8	***065843	2m/M5	2300	1630	8
DSRB S 270/12	***065980	2m/M5	2500	1800	9-12
DSRB S 400/16	***066130	3m/M6	5000	3800	13-16
DSRB S 490/20	***065751	3m/M6	8000	6000	20

All sheaves are available as an individual component on request.

Dimensions model DSRB

Model	DSRB S 90/4	DSRB S 90/6	DSRB S 145/7	DSRB S 185/8	DSRB S 270/12	DSRB S 400/16	DSRB S 490/20
EAN-No.	***066062	***066123	*990424	***065843	***065980	***066130	***065751
B, mm	85	85	125	138	191	302	313
C, mm	90	90	160	195	290	430	580
Ø D, mm	90	90	145	185	270	400	490
Ø D1, mm	20	25	25	30	40	50	65
Ø Dm, mm	80	78	126	160	246	368	450
E, mm	62	62	88	106	138	212	220
H, mm	134	134	224	273	407	612	694
K, mm	65	65	110	135	202	310	340
L, mm	120	120	200	245	360	530	650
Ø M/M1, mm	9/9	9/9	11.5/13	13.5/15	18/20	26/30	34/40
S, mm	4	6	6	8	10	15	16



Available in explosion proof version
(please see page 465).

Standard ropes for Pfaff-silberblau manual winches

According to DIN 3060

EAN-order number

Rope diameter	Breaking load of rope min. kN	Useable rope length 5 m	Useable rope length 10 m	Useable rope length 15 m	Useable rope length 20 m	Capacity clevis end kg
4 mm - DIN 3060	10.1	4050939 050924	4050939 050962	4050939 051075	4050939 051204	500
5 mm - DIN 3060	15.8	4050939 050955	4050939 050993	4050939 051143	4050939 051235	1000
6 mm - DIN 3060	22.8	4050939 050986	4050939 051167	4050939 051266	4050939 051358	1000
7 mm - DIN 3060	31.0	4025092 990585	4050939 051211	4050939 051365	4050939 051549	1000
7 mm - DIN 3069 ¹	43.9	-	-	4050939 051624	-	1600

¹ Rope with increased breaking load for LB 1200 kg

INFO

Additional accessories available on request.