



REEL WINDERS & REELS



STRINGING EQUIPMENT CATALOGUE

HYDRAULIC REEL WINDER Model: HTB + HTB/D + HTB/E

Operation range:

- Hydraulic reel winder powered by ZECK Puller-Tensioner, hydraulik power unit or truck hydraulik
- Disc-brake system for a controlled pull out of the rope without hydraulic drive; also for helicopter operation

Reel drive unit:

- Drive torque: 1.100 Nm
- With planetary gear and hydraulic motor as enclosed drive system => high reliability and minimal maintenance
- Free wheel device allows a simple pull out of the rope
- With hydraulic quick couplings for connection to a Puller-Tensioner or other drive units (e.g. truck hydraulic)

Disc-brake system:

- For usage without hydraulic supply, the disc-brake system (Ø 300 mm) allows a controlled pull out of the rope
- Model HTB/D with large disc-brake system (Ø 700 mm) with tensioning torque of 1.900 Nm for usage as continuous brake ; e.g. pulling rope installation via helicopter

Reel holding fixture:

- Manual hydraulic to lift and lower the reel-holding fixture
- Changing the reel can be carried out very quickly by a single operator
- Optional: Special plug-in axle with quick locking device for simple reels allows a fast change of reels => no tool is necessary

Optional equipment:

- Hose set with quick couplings for connection to the drive unit (standard length: 15 m; or according to customer requirements)
- Rope guiding plate with holding device
- Special equipment (e.g. mounted or separate engine aggregate or mounting supports for transportation with a front loader) or special models on request

Model: HTB und HTB/D



Reel holding fixture, 2 versions available:

- Version „T“ Ø 1.100 and 1.400 mm (B6-300) and HT (B6-400)
- Version „Zeck“: H0, H1, H2, H3, H0/T, H1/T, H2/T and HT (B6-400)
- Reel weight: max. 3.500 kg
- Reel diameter: 1.100 - 1.800 mm

Rope guiding device (Optional):

- Continuously adjustable to all rope diameters and reel widths – simple adjustment via hand wheel => no tool is necessary !
- With gear unit and hydraulic motor as enclosed drive system => high reliability and minimal maintenance

Weight and dimensions:

- Weight: approx. 560 kg (without rope guidance device 470 kg)
- Length x width x height: approx. 1.800 x 1.750 x 1.370 mm

Model: HTB/E



Reel holding fixture, 2 versions available:

- Version „T“ Ø 1.100 and 1.400 mm (B6-300)
- Reel weight: max. 1.700 kg
- Reel diameter: 1.100 - 1.400 mm

Rope guiding device:

- Automatic rope guidance device

Chassis (optional):

- Height adjustable, fold away towing bar

Weight and dimensions:

- Weight: 460 kg (approx. 600 kg with chassis)
- Länge x Breite x Höhe: 1.500 x 1.450 x 1.500 mm (with chassis)

REEL WINDER Model: HB and HB/E

Reel winder without drive: Model HB

- Reel winder without drive unit but with brake system for reels up to diameter 1.400 mm and max. reel weight 2000 kg
- Reel-holding device with maintenance free ball bearing
- With disc-brake system (Ø 300 mm) for a controlled pull out of the rope
Optional with large disc-brake system (Ø 700 mm)
- Can be tilted in 2 positions for installation of reels with a diameter of 1.100 mm or 1.400 mm
- Available in 2 models:
"Zeck" for reels H0, H1, H2, H0/T, H1/T and H2/T
"IT" for simple reels with Ø 1.100 mm and 1.400 mm
- Special plug-in axle with quick locking device for simple reels allows a fast change of reels => no tool is necessary



Weight and dimensions:

- Weight: approx. 125 kg
- Length x width x height: 2.050 x 1.200 x 950 mm

Frame:

- Dismountable frame for smaller transport dimensions

Reel winder without drive: Model HB/E

- Reel winder in simple version without drive unit; for reels up to diameter 1.400 mm and max. reel weight 1.500 kg
- Can be tilted for installation of reels with a diameter of 700 mm up to 1.400 mm
- Optional with disc brake unit

Weight and dimensions:

- Weight: approx. 85 kg
- Length x width x height: 2.550 x 1.325 x 1.060 mm

Frame:

- Dismountable frame for smaller transport dimensions
- Optional with aluminium frame



STEEL REELS "IT"

- Steel reels in simple version without integrated axle and without bearing. Screwed in crosses on both sides for holding the axle
- Reels with detachable flange and with a conic core, for scrapping of conductors
- Optional:
 - hot-dip galvanized steel
 - with ZECK plug-in axle => faster change of reel



Steel reels (non detachable):

Art. Nr	Dimensions in mm							Weight Kg
	A	B	C	D	DT	E	F	
77-9034	1100	560	460	570	-	420	50	66
77-9035	1400	560	460	570	-	420	50	105

Detachable steel reels:

Detachable side

Art. Nr	Dimensions in mm							Weight Kg
	A	B	C	D	DT	E	F	
77-9052	1100	540	460	570	680	420	50	70
77-9054	1400	560	460	620	715	420	50	100

ø mm	Rope capacity of the reel in mm	
	77-9034	77-9035
	77-9052	77-9054
8	3200	6400
10	2000	4000
12	1400	2800
13	1200	2400
14	1000	2000
16	800	1600
18	-	1200
20	-	1000
22	-	800
24	-	800

STEEL REELS "ZECK"

- Zeck reels with mounted axle with sealed, maintenance-free bearing
- Reels with detachable flange and with a conic core, for scrapping of conductors => types: H 0/T; H 2/T; HT
 - Bundling wire can be installed even when reels are full
 - Available for reel winder with "Zeck" and "IT" holding fixtures
 - HT: detachable flange can be easily released with a lever (without screws)
- Reel with detachable flange for Zeck drum stands => HT / TBF:



Dimensions:

Type of reel	H 0	H 2	H 3	H 0 / T	H 2 / T	HT / BM	HT	HT / TBF
Suitable for	USP + HTE	SPW + HTE	HTB	USP + HTE	SPW + HT	TB + TBF + BM	HTB	TB + TBF
Axle Ø [mm]	35	40	40	35	40	hollow shaft Ø 8	40	hollow shaft Ø 80
Axle length [mm]	620	680	1.000	620	680	990	1.000	1.360
Outer Ø [mm]	1.100	1.380	1.700	1.100	1.380	1.300	1.750	1.650
Core Ø [mm]	350	400	400	570 / 360	580 / 380	840 / 500	1.040 / 760	885 / 400
Clear width [mm]	360	410	580	360	360	694	580	980
Weight [kg]	74	148	220	110	170	345	270	360
Rope capacity factor	240.000	460.000	1.020.000	220.000	450.000	540.000	860.000	1.500.000

Formula to calculate the rope capacity for **Rope capacity factor : Rope Ø² = Rope capacity in [m]**

Rope capacity in [m]:

Rope Ø [mm]	H 0	H 2	H 3	H 0 / T	H 2 / T	HT / BM	HT	HT / TBF
8	3.750	7.200	15.950	3.450	7.050	8.400	13.450	24.400
10	2.400	4.600	10.020	2.200	4.500	5.400	8.600	15.000
12	1.670	3.200	7.100	1.530	3.140	3.750	6.000	10.400
13	1.420	2.720	6.040	1.300	2.680	3.200	5.100	8.900
14	1.220	2.350	5.200	1.140	2.300	2.760	4.400	7.600
16	940	1.800	4.000	860	1.760	2.100	3.380	4.650
18		1.420	3.150		1.400	1.670	2.660	3.670
20		1.150	2.550		1.140	1.350	2.160	2.980
22		950	2.100		930	1.120	1.780	2.460
24		800	1.770		800	940	1.500	2.060
28						690	1.100	1.510
32						530	850	1.160