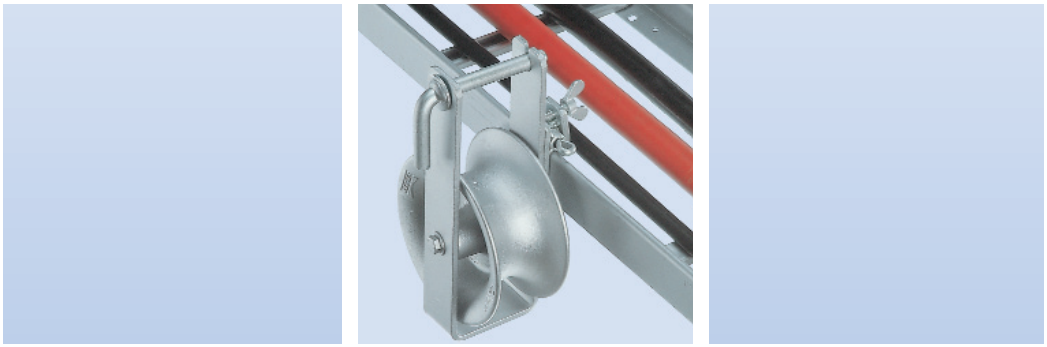
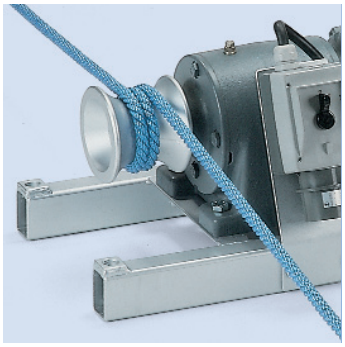
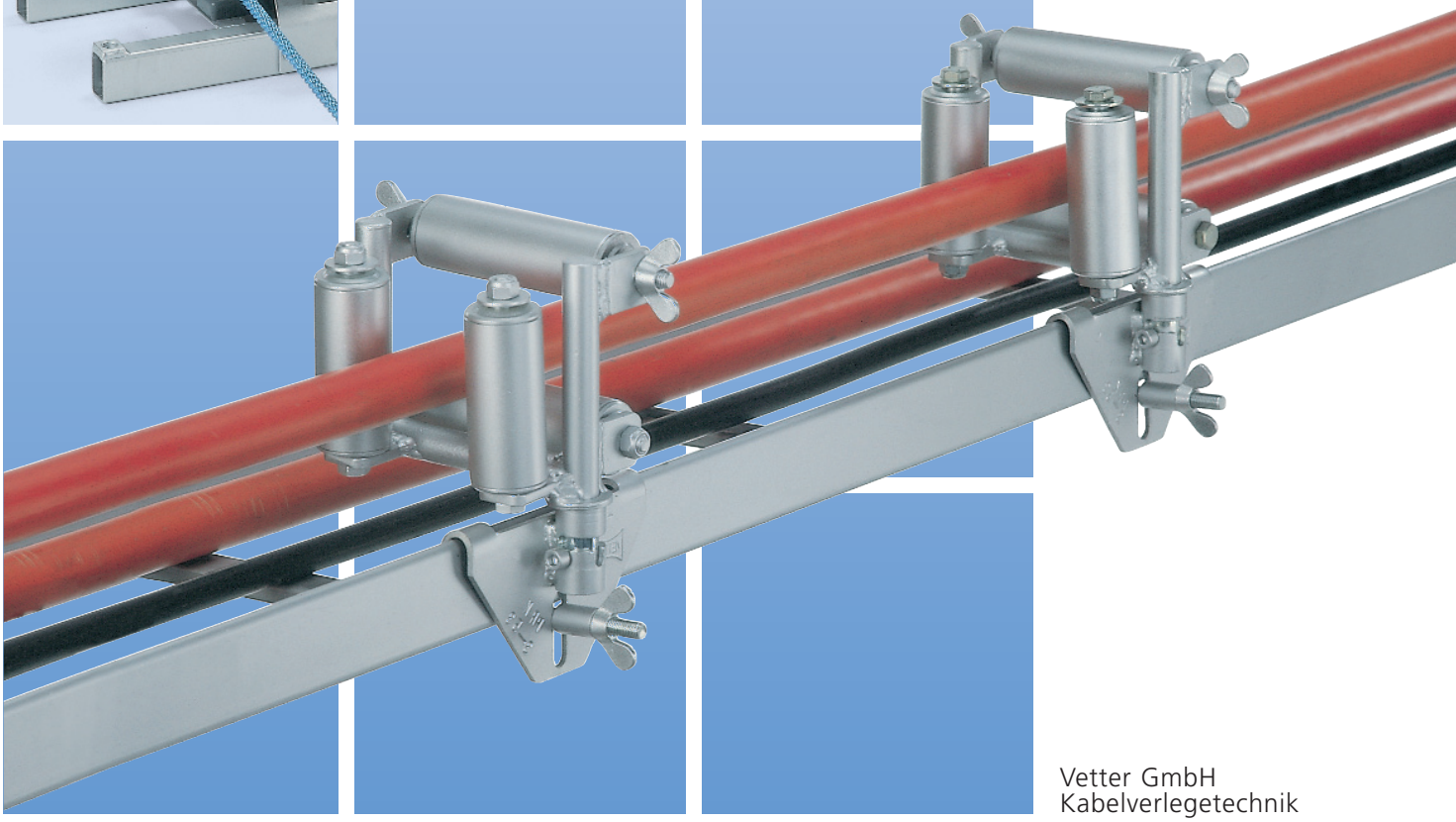
Cable laying equipment and machines for cable trays







Vetter GmbH
Kabelverlegetechnik

Cable laying rollers for straight cable trays

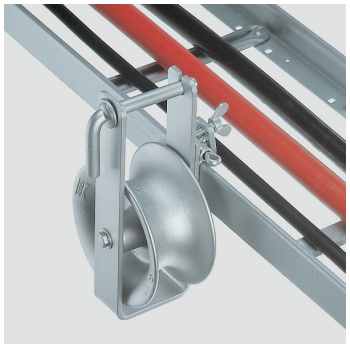
Frame cable rollers for cable trays

Cable roller bows for cable trays

Cable bollard winches for cable trays

Cable feeders electro hydraulic for cable up to D 160 mm

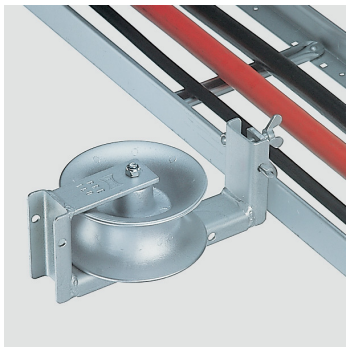
Polyester ropes and accessory for cable bollard winches



Cable tray rollers

Cable tray rollers with fixing clamps for attachment outside and inside the tray edge.

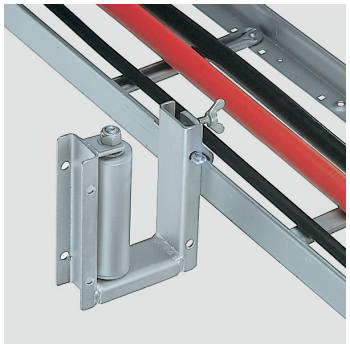
Code	Type	Roller-D	Mat.	SWL	kg
278050	PRK 140	D 140/86x58	Aluminium	100 kg	2,10



Cable tray corner roller

Cable corner roller with fixing clamps for attachment outside and inside tray bows.

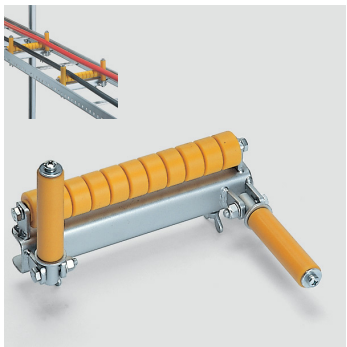
Code	Type	Roller-D	Mat.	SWL	kg
278100	PRE 140	D 140/86x58	Aluminium	100 kg	2,40



Cable tray flank roller

Cable tray flank roller with fixing clamps for attachment outside of the tray. By turning the roller, inside or outside cable curves can be pulled. For cable-Ø max. 40 mm.

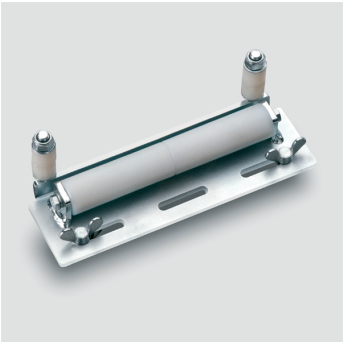
Code	Type	Roller-D	Mat.	SWL	kg
278150	PRF 42	42/149 mm	Steel	100 kg	1,65



Cable tray rollers

Cable tray roller for pulling-in of several cables one after the others. Two lateral rollers can be turn down to lay the cables in the trays. Low construction. This roller can be taken away underneath the tray. Steel construction galvanized with polyamide rollers.

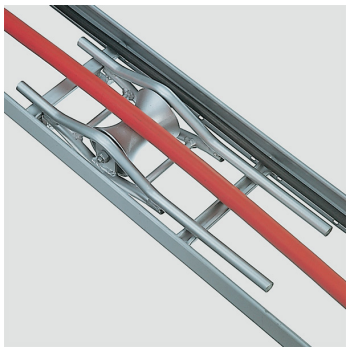
Code	Type	Ext. Width	Wheels	SWL	kg
278340	PRS 150	150 mm	6 pcs. D 35	100 kg	1,20
278360	PRS 250	250 mm	11 pcs. D 35	100 kg	1,84



Cable tray rollers

Cable tray roller, 2 polyamide rollers-rollers, low construction steel construction galvanized of only 60 mm height.

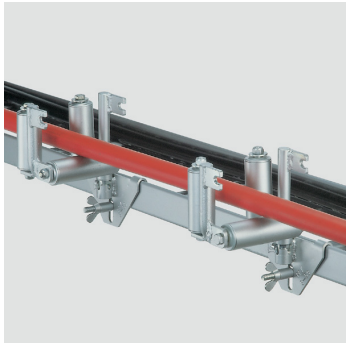
Code	Type	Ext. Width	Wheels	SWL	kg
278370	PRR 195	195 mm	2 pcs. D 25	100 kg	1,30



Cable tray rollers

Cable tray roller for inside the tray with cross members of 500 mm spanning the tray. After pulling this roller can be removed below the tray. Steel construction galvanized with 1 alu-roller.

Code	Type	Alu-roller	L/W/H mm	SWL	kg
278410	PRC 1	D 88/50x100	490/144/47	100 kg	2,60

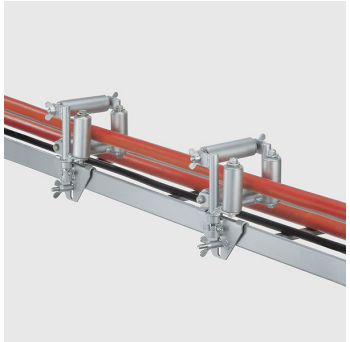


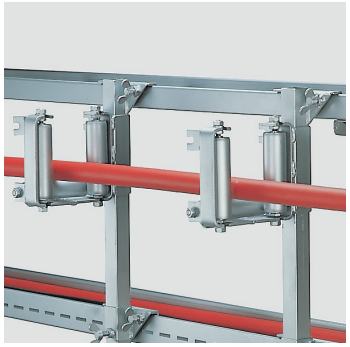
Cable tray rollers

Cable tray rollers of 3 rollers for smaller cables up to D 30 mm, with clamp. Steel construction galvanized.

- Can be fixed on the tray edge, swivelling in- or outside of the tray.
- The barrier roller produces a safe cable guidance.

Code	Type	Roller-D	Opening	SWL	kg
278470	PRK 3-53	33 mm	53 mm	100 kg	1,80





Cable tray rollers

Cable tray rollers of 3 rollers for bigger cables, with clamp. Steel construction galvanized. Can be fixed outside or inside the tray in order to locate the cable in the trays. Without support. The roller can be closed with the barrier roller to achieve an accurate cable guidance.

- Can be fixed in- or outside on 2 tray edges.
- After the pull the cable can be simply put into the cable tray.
- The barrier roller completes a safe guidance for the cable.
- Tray holder to be ordered separately, see below.

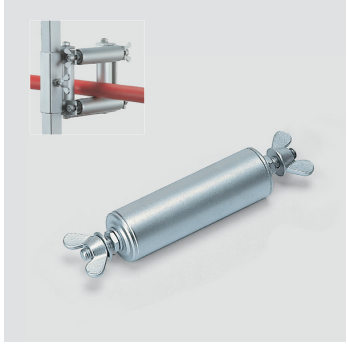
Code	Type	Roller-D	Opening	SWL	L/W/H mm	kg
278540	PRK 3-85	40 mm	85x85 mm	150 kg	222x189x85	2,80

Cable tray rollers

Cable tray rollers of 3 rollers for bigger cables. Steel construction galvanized. Can be fixed outside or inside the tray in order to locate the cable in the trays. Without support. The roller can be closed with the barrier roller to achieve an accurate cable guidance.

- Can be fixed in- or outside on 2 tray edges.
- After the pull the cable can be simply put into the cable tray.
- The barrier roller completes a safe guidance for the cable.
- Tray holder to be ordered separately, see below.

Code	Type	Roller-D	Opening	SWL	L/W/H mm	kg
278570	PRK 3-100	42 mm	100x100 mm	150 kg	252x240x100	4,10



Barrier rollers

Barrier roller for cable tray rollers, with axle and screws. Steel galvanized.

Code	Type	Suitable for	Roller-D	SWL	kg
278480	PRV 1-53	PRK 3-53	33/112 mm	150 kg	0,30
278550	PRV 1-85	PRK 3-85	40/134 mm	150 kg	0,50
278580	PRV 1-100	PRK 3-100	42/190 mm	150 kg	0,75

Cable guide rollers

Cable guide rollers, 4 high wattage-rollers of thick wall steel with ball bearings. Opening in all positions. Steel construction galvanized. accessory for fixing on canal braces, on mounting base or on profiles are available.

Code	Type	Opening	SWL	L/W/H mm	kg
202131	ER 4-100S	100x100 mm	500 kg	325x325x153	12,00
202132	ER 4-125	125x125 mm	500 kg	350x350x153	14,00
202137	ER 4-150	150x150 mm	500 kg	375x375x153	14,50
202145	ER 4-200	200x200 mm	500 kg	425x425x153	17,20

Supports for cable guide rollers

Parts for supporting and fixing a.m. cable guide rollers ER 4-100-300 these standards can be screwed on all sizes. Special supports adapted to any kind of profiles are available at short notice.

Code	Type	Designation	Suitable for	For	kg
205401	KSP 10	Brace retainer	ER 4-100S	Braces D 45-60	2,00
205402	KSP 12	Brace retainer	ER 4-125-300	Braces D 45-60	3,00
202168	BF 4-100S	Mounting base	ER 4-100S	Fixing on the floor	5,00
202170	BF 4-300	Mounting base	ER 4-125-300	Fixing on the floor	8,00
205420	KSA 22	Support connector	ER 4-125-300	Fixing on profiles	4,00

Tray roller supports

Cable roller holder for below mentioned cable tray rollers, steel galvanized.

Code	Type	Suitable for	Length	kg
278710	PRH 3-615	PRK 3-85 and 3-100	615 mm	1,50
278770	PRH 4-715	ER 4-125-250	715 mm	3,70

Guide roller support

Support for fixing guide rollers on suspension stays 16 A1 or 16 A3. With it the guide rollers can be fixed in any position, e.g. vertical or horizontal suitable for pulling heaviest cables. Steel galvanized.

Code	Type	Suitable for	Needed per roller	L/W/H mm	kg
278720	PRH 3-145	PRK 3-85 and PRK 3-100	2 pcs.	153x80x70	0,90
278725	PRH 4-250	ER 4-125-250	1 pc.	230x178x90	3,00

Cable tray bow

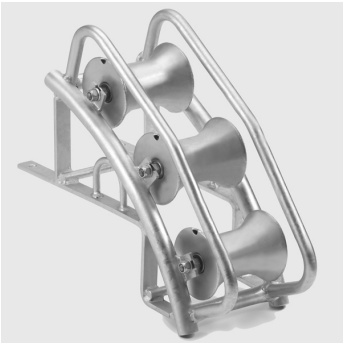
Cable tray curve unit 90° angle with 4 alu rollers. Bending radius 400 mm. Compact version allows application under difficult conditions. Steel construction galvanized.

Code	Type	Roller-D,	Mat.	Bend-Rad	Cable-D	SWL	L/W/H mm	kg
278780	PRB 90/400	90/50x100,	Alu	400 mm	100 mm	300 kg	500x500x140	7,80

Cable tray bow

Cable tray curve unit 45° angle with 3 alu rollers. Bending radius 600 mm. Compact version allows application under difficult conditions. Steel construction galvanized.

Code	Type	Roller-D,	Mat.	Bend-Rad	Cable-D	SWL	L/W/H mm	kg
278820	PRB 45/600	90/50x100,	Alu	600 mm	100 mm	300 kg	500x500x140	7,10



Cable tray corner rollers

Cable tray corner roller, 45°, 3 steel rollers. Bending radius 700 mm. Steel construction galvanized. Universal roller type e.g. for horizontal or vertical cable diversion. Suitable for heavy cable pulls.

Code	Type	Roller-D,	Mat.	Bend-Rad	Cable-D	SWL	L/W/H mm	kg
202760	SE 3-45S	120/76/145,	Steel	700	100 mm	500 kg	530x430x230	14,40

Cable tray corner rollers

Cable tray corner roller, 90°, 3 steel rollers. Bending radius 700 mm. Steel construction galvanized. Universal roller type e.g. for horizontal or vertical cable diversion. Suitable for heavy cable pulls.

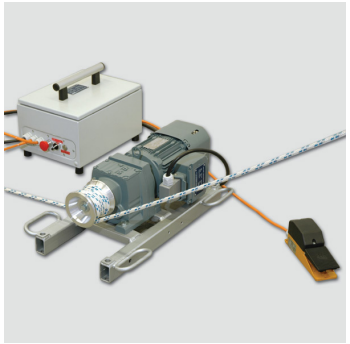
Code	Type	Roller-D,	Mat.	Bend-Rad	Cable-D	SWL	L/W/H mm	kg
202820	SE 6-90S	120/76/145,	Steel	700	100 mm	500 kg	750x750x230	24,60

Cable bollard winch without brake

Cable tray capstan winches, electric motors, mounted on base frame enabling alternative fixing, incl. footswitch.

• With 1 constant speed.
• Without lifting brake, therefore not allowed for vertical cable laying.

Code	Type	Pull force	El-motor	Connection	kg
279502	PSW 7/8	700 daN/8 m/min	1,10 kW	230V/50-60 Hz	57,00
279505	PSW 3/16	300 daN/16 m/min	1,10 kW	230V/50-60 Hz	57,00
279540	PSW 10/8	1000 daN/8 m/min	1,10 kW	400V/50-60 Hz	54,00

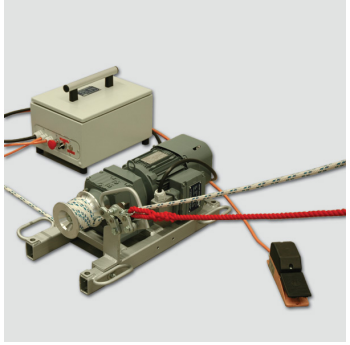


Cable bollard winch without brake

Cable tray capstan winches, electric motors, mounted on base frame enabling alternative fixing, incl. footswitch. Frequency converter allows two pulling speeds, one for heavy cable pulls up to 1 t and one for lighter cable pulls up to 400 kp. Techn. details see table below.

• Electric motor 1,5 kW, with 2 speeds, each variable through frequency convertor 20-100 Hz.
• Without lifting brake, therefore not allowed for vertical cable laying.

Code	Type	Pull 1	Pull force 2	Connection	kg
279560	PSW 10-13	1000 daN/7 m/min.	400 daN/13 m/min.	230V/50-60 Hz	67,00

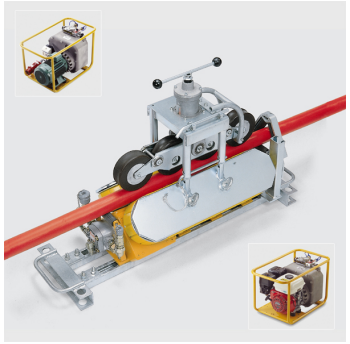


Cable bollard winch with brake

Cable tray capstan winches, electric motors, mounted on base frame enabling alternative fixing, incl. footswitch. Frequency converter allows two pulling speeds, one for heavy cable pulls up to 1 t and one for lighter cable pulls up to 400 kp. Techn. details see table below. PSW 10-13S approved as cable hoisting winch also for vertical cable pulls.

• Electric motor 1,5 kW, with 2 speeds, each variable through frequency convertor 20-100 Hz.
• With rope holding safety clamp, suitable to lift cables vertical up to 500 daN.

Code	Type	Pull 1	Pull force 2	Connection	kg
279565	PSW 10-13S	1000 daN/7 m/min.	400 daN/13 m/min.	230V/50-60 Hz	72,00



Cable feeders, hydraulic, 600 daN

Cable feeders, hydraulic with adjustable pushing and pulling force and speed. High performance reduces significantly the pulling forces of the cable winch especially in long cable lines with many curves. Included hydraulic power pack, hoses and valves. Can be driven alternatively with petrol engine or electro motor hydraulic power pack. Hydr. power pack flow 8 l/min., 250 bar. Tank volume 13 l. Hose set 7 m. Pushing and pulling speed progressively adjustable from 4-18 m/min. One loading device is included which size you can select acc. to your cable-diameter ranges. See table below.

• Pushing force 600 daN, what reduces winch pulling even more in winding lines.
• Can be driven outside with petrol power pack and inside with electro power pack.
• Light fractional weights of max. 60 kg, can be handled and be placed of 2 persons.

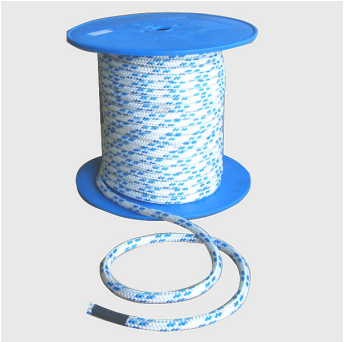
• Control with hoses, 7 m. Procedure easy to control from above ground.
• Dimension cable feeder 1170x380x700 mm, small for fixing in trenches, shafts or cable trays.
• Dimension hydr. power pack 770x480x500 mm, weight 65 kg.

Code	Type	C-D	Load device	Hydr. Unit	kg
425750	DF 6-90 HB	28-130	28-90	Petrol 5,9 kW	166,00
425752	DF 6-130 HB	28-130	45-130	Petrol 5,9 kW	168,00
425800	DF 6-90 HE	28-130	28-90	Electro 4,0 kW	161,00
425802	DF 6-130 HE	28-130	45-130	Electro 4,0 kW	165,00
425755	DF 6-160 HB	55-160	55-160	Petrol 5,9 kW	175,00
425805	DF 6-160 HE	55-160	55-160	Electro 4,0 kW	171,00

Cable loading device for cable feeders

Cable loading device for cable feeders. In feeders above there is one loading device included which you can choose according to your cable diameters. For further diameters the following loading devices are available as accessory.

Code	Type	C-D	Roller-D	Suitable for	kg
425190	DF 20-50	20-50	150x38, R 17	DF 5/6-130	19,80
425200	DF 28-90	28-90	150x50, R 33	DF 5/6-130	20,80
425210	DF 45-130	45-130	150x90, flat	DF 5/6-130	23,70
425215	DF 55-160	55-160	150x90, flat	DF 5/6-160	25,00



Polyester ropes

Polyester rope double braided, with one spliced loop, suitable for cable tray capstan winches especially when using them as hoists. Stocked lengths are 250 and 500 m. Can be used with swivels with ball bearings. daN = Minimum Breaking Load

Code	Type	Rope-D	Stretching	daN	Length	kg
27968512	PKG12-125	12 mm	4-6 %	3600	125 m	11,30
27968525	PKG12-250	12 mm	4-6 %	3600	250 m	22,50
27968530	PKG12-300	12 mm	4-6 %	3600	300 m	27,00
27968550	PKG12-500	12 mm	4-6 %	3600	500 m	45,00

Polypropylene ropes

Polypropylene-rope with one spliced loop, not suitable for hoisting pulls. Stocked length are 150 and 250 m. For this swivel with ball bearings must not be used, but swivels with fiction bearings. daN = Minimum Breaking Load

Code	Type	Rope-D	Stretching	daN	Length	kg
27969015	PKT 14-150	14 mm	15 %	2700	150 m	14,00
27969025	PKT 14-250	14 mm	15 %	2700	250 m	24,00

Swivel for Polyester rope

Swivels with ball bearings suitable for twist-free polyester rope D 12 mm. daN = Minimum Breaking Load

kN = Minimum Breaking Load

Code	Type	For rope	D/length/fork	kN	kg
537360	FVD 30	D 12 mm	30/128/12 mm	60	0,50

Swivel for Polypropylene-rope

Swivels with friction bearings, turnable connector between winch rope and cable grip. Only suitable for Polypropylene rope D 14 mm, D 45x180/16 mm. Min. breaking load 15000 daN. Not suitable for pulling overhead lines. daN = Minimum Breaking Load

Code	Type	For rope	D/length/fork	daN	kg
243130	V 45 D	D 16 mm	45/180/16 mm	15000	1,50

Reels for plastic ropes

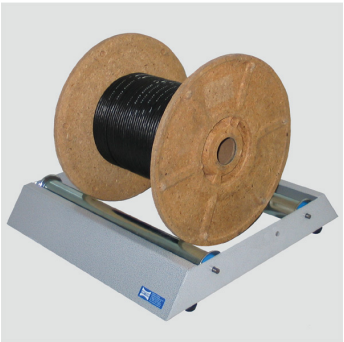
Reel stand for ropes, steel galvanized with 2 rubber wheels.

Code	Type	For rope	For rope	Dimension	kg
279720	PSH 600	D 12 / 300 m	D 14 / 250 m	D 600/200x250	19,20

Drums for plastic ropes

Rope drum for plastic ropes.

Code	Type	For rope	For rope	Dimension	Width	kg
279740	STR 750	D 12 / 750 m	D 14 / 500 m	D 750/315 mm	440 mm	20,00



Drum wind off roller

Cable drum wind-off roller for cables or ropes. Steel construction, powder coated. Steel rollers galvanized with ball bearings.

- Rollers adjustable for smaller spools down to Ø 100 mm
- Rubber feet for stable and quiet running

Code	Type	For drum-D	Drum width	SWL	L/W/H mm	kg
320660	KTA 7	100-1200 mm	max. 500 mm	150 kg	530/550/110	8,80