

**Blower units
for winch
ropes**

**Cable lubri-
cants**





Pilot rope winches 5 kN - ropes and accessory

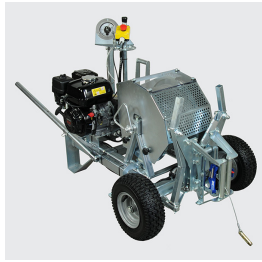
Conduit plugs divided for blowing ropes

Ball Pistons

Duct cleaning and lubricating sponge for duct D 40-210 mm

Duct cleaning and lubricating sponge for duct D 4-63 mm

Cable and pipe lubricant, gel and liquid



Pilot rope winch petrol engine

Latest design of pilot rope winch with Honda-petrol engine. This winch is not any more driven by a V-belt, but with a better positive mode transmission chain drive. This guarantees higher power train to the drum. For blowing-in pilot ropes from declutched drum through conduits for afterwards introducing bigger pulling ropes from cable winches or for direct pulling-in of smaller cables such as fibre optic cables or single or bundle subducts. The drum is divisible for coiling cords, ropes or cables and can easy be removed from the winch e.g. for using drums with other ropes. Capacity up to 1100 m D 4 mm or 750 m D 5 mm. Mobile on two pneumatic wheels in wheelbarrow form.



The winch is available in two different versions. With a dynamometer with adjustable maximum load and automatic switch-off or with preparation for an electronic recorder MP 50 (not included in the scope of delivery), which digitally displays and stores the pulling force, the length, as well as the speed per m/min. All data can be transferred to a PC or laptop via a USB connection. For safety reasons, the winch is limited to 5.0 kN on the lowest rope layer.

The pilot rope winches are equipped with a manual rope winding guide and a rope protection bonnet in accordance with accident prevention regulations. The winch with dynamometer can be equipped with a mech. length measuring device code 232380, SLM 510 (see further below) for an extra charge. The electronic recorder includes length and speed measurement.

- Types SBS 510DL and 510ML with slower speed for pulling sensitive cables

Code	Type	Control	Bottom/top	m/min.	Petrol	kg
232310	SBS 510D	Dynamo	5,0/4,0 kN	18-65	4,1 kW	163,00
232211	SBS 511M	Prep. MP 50	5,0/4,0 kN	18-65	4,1 kW	168,00
232312	SBS 510DL	Dynamo	5,0/4,0 kN	9-30	4,1 kW	163,00
232213	SBS 511ML	Prep. MP 50	5,0/4,0 kN	9-30	4,1 kW	174,00



Pilot rope winch electric motor

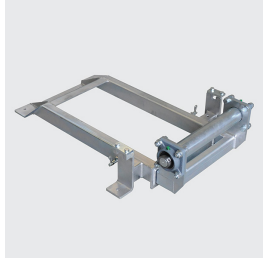
Latest design of pilot rope winch with SEW-electric motor. This winch is not any more driven by a V-belt, but with a better positive mode transmission chain drive. This guarantees higher power train to the drum. For blowing-in pilot ropes from declutched drum through conduits for afterwards introducing bigger pulling ropes from cable winches or for direct pulling-in of smaller cables such as fibre optic cables or single or bundle subducts. The drum is divisible for coiling cords, ropes or cables and can easy be removed from the winch e.g. for using drums with other ropes. Capacity up to 1100 m D 4 mm or 750 m D 5 mm. Mobile on two pneumatic wheels.

The winch is available in two different versions. With a dynamometer with overload cut-off, or with an electronic digital line pull data recorder MP 30 with USB interface, for pulling-in fibre optic cables, subducts or delicate cables. For safety reason the pulling force on the drum bottom is limited to 5,0 kN.

Each winch is equipped with hand operated rope guide and a rope protection cover according to the rules. The winch with dynamometer can be equipped with the mechanical rope length measuring device Code 232380, SLM 510 see further below. In the winch version with data recorder MP 30 a length and speed measuring device is included.

- Frequency converter allows to adapt the speed infinitely variable to the cable pull

Code	Type	Control	Bottom/top	Speed	Electric	kg
232315	SES 410D	Dynamo	5,0/4,0 kN	4-59 m/min.	1,5 kW	187,00



Base frame for platforms

Base frame for fixed mounting of all above-mentioned pilot rope winches on vehicle platforms or for installation in vans. With integrated telescoping roll for safe rope guide near vehicle platform edges.

This frame is also for retrofitting on all Vetter pilot rope winches supplied after August 2014. Anyway the winch can be changed and also be used as a mobile one. Hot galvanized steel construction.

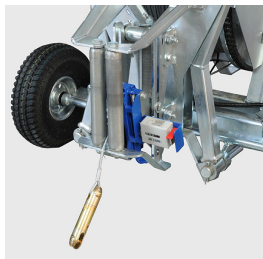
Code	Type	Suitable to all	Dimensions	kg
232400	PAR 510	Pilot rope winches SBS/SES 510/410	1180/750/270	63,00



Strap hangers for pilot rope winches

Strap hangers of Polyester, 3-strand, for loading pilot rope winches SBS 510, according to EN 1492-1

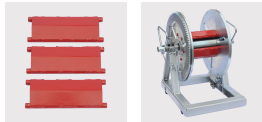
Code	Type	Cap.	Length	kg
232390	BGH 510	1500 kg	1400	7,50



Mechanical length meter

Rope length measuring device for pilot ropes D 3-12 mm, only for pilot rope winches with dynamometer.

Code	Type	Suitable for	For rope-D	kg
232380	SLM 510	SBS 510D + SES 410D	3-12	5,50



Accessories to pilot rope winches

Steel rope drum alone, divisible for coiling cords, ropes or cable rings, suitable to pilot rope winches SBS 510 and SES 410. Dimension D 410/100x210 mm, for rope up to 1100 m D 4 mm, or 750 m D 5 mm. For coiling rings there will be mounted 3 segments into the drum. With this mounted steel segments the capacity will be reduced to app. 900 m D 4 or 500 m D 5 mm.

- Using some of these loose drums it is possible to blow-in pilot ropes in multi manholes and conduits.
- With the drums it is possible to blow ropes without the winch.
- The drum support is equipped with a foot brake to control the pay-out of the rope.
- With built-in steel segments stronger pulls than 1 kN are not possible.
- The steel segments must only be used for coiling cords or small cables.

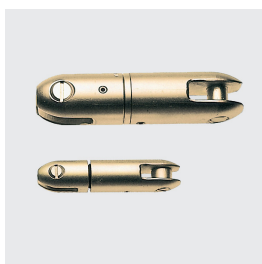
Code	Type	Accessory	Detail	kg
232320	SWT 510	Drum alone	D 410x100x210	41,00
232322	TRS 208	Segment	3 needed	1,10
232340	TWG 510	Drum support	with foot brake	11,00



Accessory to pilot winches

Steel ropes galvanized for pilot rope winches. Nominal strength 1960 N/mm². kN = Minimum Breaking Load

Code	Type	Rope	kN	Length	kg
232880	STC 4-6	4	11,4	per 1 m	0,07
23288011	STC 4-6	4	11,4	1100 m	66,00
232890	STC 5-6	5	17,7	per 1 m	0,10
23289007	STC 5-6	5	17,7	750 m	67,60
232900	STC 6-6	6	25,5	per 1 m	0,14

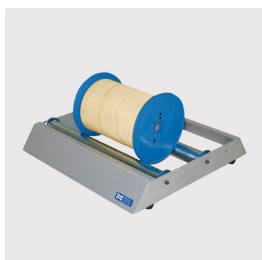


Swivels to pilot rope winches

Swivels with friction bearings, turnable connector between winch rope and cable grip. The friction bearing guarantees that the swivel reduces rotation and torsion with increasing pulling force. Only for underground cables, not suitable for pulling overhead lines.

kN = Minimum Breaking Load

Code	Type	D	L	Fork	Bolt	kN	kg
243020	V 20 D	20	86	7	8	21	0,16
243040	V 25 D	25	120	9	10	30	0,32



Accessory to pilot winches

Polyester ropes for blowing through ducts, spools of 500 or 1000 m. kN = Minimum Breaking Load

Code	Type	Rope	Spool	kN	kg
23297005	KSP 04-40	4	500 m	2,8	4,70
23297010	KSP 04-40	4	1000 m	2,8	10,22

23298005	KSP 05-40	5	500 m	4,5	7,80
23298010	KSP 05-40	5	1000 m	4,5	14,52
23299005	KSP 06-40	6	500 m	6,4	18,00
320660	KTA 7	Unwinder	D 100-1200	---	8,80



Plastic cord spools

Spools of plastic cord. Minimum order at least 3 spools, price per 1 spool.

Code	Type	Cord-D	Spool	kN	kg
282240	KS 600	2	600 m	0,22	0,40



Conduit plugs divided

Conduit plug divided, with coupling, for blowing-in ropes of D 4 mm in ducts.

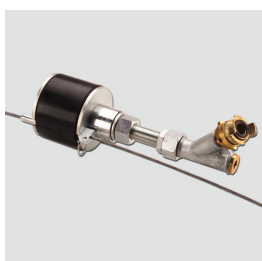
Code	Type	D-ID	kg
234240	KRG 28	27-28	1,00
234250	KRG 35	34-35	1,05
234260	KRG 40	40-41	1,23



Pistons

Pistons with cup rings for blowing ropes in connection with divided plugs KRG 28-40.

Code	Type	D-ID	kg
234510	MKO 28	27-28	0,13
234530	MKO 35	34-35	0,13
234550	MKO 40	40-41	0,14



Conduit plugs divided

Conduit plug divided with lateral rope passage. Included 1 slotted sleeve and tools. With these plugs ropes from D 4 can be blown. It is also possible to blow bigger ropes up to D 9 mm directly through the ducts, but only from capstan winches which allows to pay out the ropes stress less.

An air pressure of approx. 0,5-1,5 bar must not be exceeded. The bigger the duct the lower has to be the pressure.

Code	Type	D-ID	Press. pipe	Coupling	
234295	KRS 50	50-55	1/4"	1/2"	1,50
234297	KRS 54	54-61	1/4"	1/2"	1,50
234312	KRS 61	61-69	1/4"	1/2"	1,65
234315	KRS 70	70-80	3/8"	1/2"	2,60
234325	KRS 76	76-85	3/8"	1/2"	2,70
234330	KRS 86	86-95	1/2"	1/2"	3,10

234372	KRS 96	96-103	3/4"	3/4"	4,90
234385	KRS 103	103-112	3/4"	3/4"	4,90
234395	KRS 113	113-120	3/4"	3/4"	5,30
234402	KRS 118	118-128	3/4"	3/4"	5,30
234405	KRS 128	128-136	3/4"	3/4"	6,10
234422	KRS 135	135-147	3/4"	3/4"	6,30
234432	KRS 146	146-159	3/4"	3/4"	7,00
234445	KRS 160	158-172	1"	3/4"	9,50
234462	KRS 173	173-184	1"	3/4"	9,80
234485	KRS 198	199-208	1"	3/4"	11,10
234489	KRS 220	220-225	1"	3/4"	12,30
234490	KRS 240	230-240	1"	3/4"	13,00
234491	KRS 250	240-250	1"	3/4"	13,50
2344912	Bigger	diam.	No	---	0,00



Slotted sleeves

Slotted sleeve, accessory to KRS-plugs for blowing-in different rope diameters.

Code	Type	Rope	kg
234492	SBU 04	4	0,15
234493	SBU 05	5	0,14
234494	SBU 06	6	0,13
234495	SBU 07	7	0,12
234496	SBU 08	8	0,11
234497	SBU 09	9	0,10



Air-regulator valve

Air-regulator valve for blowing-in of pilot ropes and winch ropes. Equipped with one screw coupling and one standard quick coupling. This regulator valve must not be served in the shaft, but only outside. It is to be connected between two hoses.

Code	Type	Size	kg
234080	REV 34	1/2-3/4"	0,82

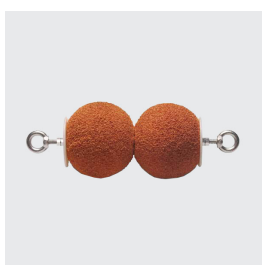


Ball pistons

Ball piston for blowing-in rope winches and simultaneously lubricating the ducts. Ball pistons go easier through the ducts they adapt better to the different duct shapes. Distances can be very long, the air pressures are low approx. 0,5-1,5 bar max.

Code	Type	D-ID	
234542	BKO 40	35-42	0,07
234562	BKO 50	45-50	0,20
234567	BKO 60	50-60	0,24
234572	BKO 70	60-70	0,26
234602	BKO 80	70-80	0,30

234612	BKO 90	80-90	0,35
234632	BKO 110	90-110	0,52
234692	BKO 125	110-125	0,55
234712	BKO 150	130-150	0,72
234722	BKO 160	150-160	0,95
234726	BKO 190	170-190	1,35
234732	BKO 210	190-210	1,60
234734	BKO 225	200-225	2,40
234738	BKO 250	230-250	3,20
234742	Bigger	diam. not possible	0,00



Duct lubricator

Duct lubricator and cleaner. Other diameters are available. After pulling through these lubricators there is an equal lubrication of the duct wall on the complete length, which reduces the pulling forces up to 80 %.

Code	Type	D-ID	Length	
234856	RSG 50	45-50	220	0,28
234858	RSG 60	50-60	240	0,36
234860	RSG 70	60-70	260	0,44
234862	RSG 80	70-80	280	0,85
234864	RSG 100	80-100	370	0,95
234866	RSG 120	100-120	390	1,10
234868	RSG 140	120-140	430	1,40
234870	RSG 160	140-160	480	1,70
234872	RSG 180	160-180	510	2,15
234874	RSG 200	180-200	550	2,75
234876	RSG 220	200-220	590	3,15
234878	RSG 250	220-250	530	3,85
234880	Bigger	diameters	No	0,00



Duct lubricator

Duct lubricator and cleaner, two independent balls, especially for passing narrow duct bows. After pulling through these lubricators there is an equal lubrication of the duct wall on the complete length, which reduces the pulling forces up to 80 %.

Code	Type	D-ID	Length	Connection	kg
234820	RSB 50/2	45-50	130	Clipper	0,56
234828	RSB 75/2	60-70	150	Clipper	0,60



Duct cleaning sponge

Sponge for sub duct cleaning and pre-lubricating prior to cable blowing

Code	Type	D-ID	D-ID	Cellular	Qty.	kg
275398	RSM 04	7	4	D 8x30	20	0,01
275400	RSM 06	7-10	5-6	D 12x30	20	0,01
275402	RSM 08	10-12	8	D 16x50	20	0,02
275404	RSM 10	12-16	10-12	D 20x50	20	0,03
275406	RSM 16	20	15-16	D 32x50	20	0,06
275408	RSM 28	32	28	D 45x90	1 pcs.	0,01
275410	RSM 35	40	35	D 55x90	1 pcs.	0,01
275412	RSM 40	50	40	D 65x90	1 pcs.	0,01
275414	RSM 51	63	51	D 78x90	1 pcs.	0,02



Lubricant for indoor installation

Lubricant gel like, for smaller indoor installation cables, in battle. Up to 80 % friction reducing.

For lubrication unique and ultimate classification, Water pollution class - non-hazardous, acc. to VCI-Conception. Safety data sheets are available.

Code	Type	Quantity	kg
235130	J-35V	0,95 l	1,00



Lubricant gel for cable and ducts

Lubricant gel like, for medium up to heaviest cables, up to 80 % friction reducing. Also suitable to reduce strongly the friction pulling-in ducts in ducts.

For lubrication unique and ultimate classification, Water pollution class - non-hazardous, acc. to VCI-Conception. Safety data sheets are available.

Code	Type	Pack. drums	Units	kg
235140	J-128V	1 pail 3,8 l	Single pail	4,00
235142	J-128V	4 bottles 3,8 l	Single pail	17,00
235150	J-640V	1 pail 19 l	Single pail	20,00
235152	J-640V	33 pails 19 l	1 Pallet	685,00



Lubricant pump

Lubricant pump driven by an external screw driver, for mounting on the pails J-640V or on the barrel SP-640V. Three different ration settings allow the user to pump lubricants with a variety of viscosities, from liquids to gels. Most lubricants can be pumped directly to the conduit or onto the cable during installation. Two hand-free applicators for conduits from diameter 40 to 150 mm are included.

Code	Type	Capability	Hose	kg
235335	LP-D5	5 l/min.	3 m	2,00



Lubricant liquid for cables and ducts

Lubricant liquid, for medium up to heaviest cables, excellent distribution on the cable and in the duct, up to 80 % friction reducing. Also suitable to reduce strongly the friction pulling-in ducts in ducts.

For lubrication unique and ultimate classification, Water pollution class - non-hazardous, acc. to VCI-Conception. Safety data sheets are available.

Code	Type	Pack. drums	Units	kg
235200	SP-128V	1 bottle 3,8 l	Single bottle	4,00
235202	SP-128V	4 bottles 3,8 l	Single bottle	17,00
235220	SP-640V	1 pail 19 l	Single pail	20,00
235222	SP-640V	33 pails 19 l	1 Pallet	685,00
235230	SP-190V	1 barrel 190 l	Barrel	220,00



Funnel for liquid lubricant

Funnel of steel sheet, 3,2 litre, with 2 m hose for introduction of liquid lubricant, type SP 128-SP 190, which can be distributed with the duct lubricator RSG on the whole length of the conduit.

Code	Type	For ducts	kg
234810	GET 32	of any size	0,90



Lubricant for FOC

Jettinglube lubricant for blowing-in fibre optic cables. Excellent lubricating effect. Adheres to the duct wall and leaves the cable nearly dry, an advantage for over blowing and working in cascades with further blowing machines. Consumption approx. 0,5 l per 1000 m at duct-ID 40 mm. For other duct-ID analogue

For lubrication unique and ultimate classification, Water pollution class - non-hazardous, acc. to VCI-Conception. Safety data sheets are available.

Code	Type	Pack. drums	kg
234960	CJL 1032	1 bottle 0,95 l	1,00
234965	CJL 1032	12 bottles 0,95 l	12,00
234961	CJL 378	1 bottle 3,80 l	4,00
234970	CJL 378	4 bottles 3,80 l	16,00



Lubricant for FOC

Micro Jetting Lube, lubricant for blowing-in fibre optic cables. Excellent lubricating effect. Adheres to the duct wall and leaves the cable nearly dry, an advantage for over blowing and working in cascades with further blowing machines. Consumption approx. 10 ml per 1000 m at duct-ID 10 mm. For other duct-ID analogue

For lubrication unique and ultimate classification, Water pollution class - non-hazardous, acc. to VCI-Conception. Safety data sheets are available.

Code	Type	Pack. drums	kg
234975	MJL 240	1 bottle 0,24 l	0,32
234977	MJL 424	24 bottles 0,24 l	7,50



Lubricant liquid

Cable lubricant Softenol, liquid, for blowing-in and for pulling-in fibre optic cables.

For lubrication unique and ultimate classification, Water pollution class - non-hazardous, acc. to VCI-Conception. Safety data sheets are available.

Code	Type	Pack. drums	kg
235800	SOF 05	1 canister 5 l	5,60
235810	SOF 10	1 canister 10 l	11,00
235830	SOF 25	1 canister 25 l	26,50
235890	SOF 190	1 barrel 190 l	200,00