

## Cable pulling grips

## Hose securing grips



**Swivels D 20-100 mm, for cable pulling**

**Cable pulling grips, 1 loop, cable-D 10-160 mm**

**Cable pulling grips for 3 bundle cables with 1 loop**

**Cable pulling grips with 2 loops, cable-D 15-160 mm**

**Cable connecting grips D 10-90 mm**

**Cable pulling grips for in-house installation and FOC**

**Cable supporting and mounting grips, 1 loop**

**Cable supporting and mounting grips, 2 loops**

**Cable supporting and mounting grips, 1 loop stainless steel**

**Cable supporting and mounting grips, 2 loops stainless steel**

**Cable supporting and mounting grips, divided, 2 loops stainless steel**

**Cable strain relief grips 1 lateral loop**

**Cable strain relief grips 1 lateral loop, stainless steel**

**Supporting grips 1 lateral loop for wind energy plants**

**Supporting grips 1 lateral loop for wind energy plants, stainless steel**

**Hose securing grips 2 loops, galv. steel wire**

**Hose securing grips 2 loops each end, galv. steel**

**Hose securing grips divided with binding strand**

**Hose securing grips stainless steel**

**Hose securing grips divided stainless steel**

**Hose securing loops galv. steel or stainless steel**



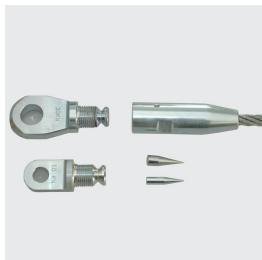
## Swivels for underground cables

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

- Swivels for underground cables must be equipped only with friction bearings.
- With increasing pulling force friction bearings twist harder and thus avoid the untwisting of the pulling rope
- Ball bearings let untwist the ropes and leads to destruction.
- 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
243050	V 35 D	35	130	12	14	60	0,60
243130	V 45 D	45	180	16	16	150	1,50
243140	V 50 D	50	187	18	16	165	1,90
243150	V 55 D	55	190	20	18	180	2,30
243170	V 60 D	60	217	23	20	225	3,10
243180	V 65 D	65	235	26	24	300	3,42
243190	V 75 D	75	270	30	27	320	6,70
243200	V 85 D	85	315	34	30	400	9,40
243220	V 100 D	100	350	38	36	500	14,50

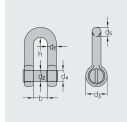


## Rope connecting set

Rope connecting set for solder in ropes, for pulling forces up to 30 kN, 5 parts for rope-D 6-9 mm.

- Consisting of:
- 1 Rope cone D 25 with 2 expanding mandrels, to solder in ropes-D 6-9.
- 1 changeable eye nut D 25 for pulling through small ducts to max. 10,0 kN.
- 1 changeable eye nut D 35 for pulling forces to 30,0 kN.

Code	Type	For pull	For rope	kg
243490	SVB 25/5	to max. 30,0 kN	D 6-9	0,60

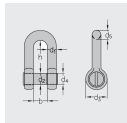


## Shackle stainless steel, miniature size

Shackle stainless steel, miniature size, with slotted screw. For duct-ID >24 mm

SWL of all shackles includes a safety factor of 4

Code	Type	d2	d1/d5	b	h	WLL	kg
0924282615	HA1 05	5	5/5	10	20	160 kg	0,01

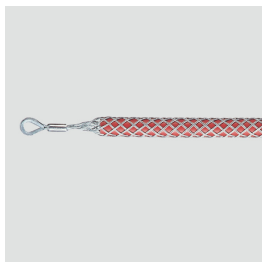


## Shackle slim version

Shackle galvanized, special slim version with slotted screw for easy passing ducts and cable rollers.

SWL of all shackles includes a safety factor of 3

Code	Type	d2	d1/d5	b	h	WLL	kg
254879	SHB 04	10	8/10	14	30	400 kg	0,09
254880	SHB 06	12	10/12	17	36	630 kg	0,16
254881	SHB 10	16	13/15	21	49	1000 kg	0,34
254882	SHB 16	20	17/19	27	61	1600 kg	0,72
254883	SHB 20	22	19/21	30	67	2000 kg	1,00
254885	SHB 30	27	24/26	38	83	3150 kg	1,85



## Cable pulling grips, 1 loop

Cable pulling grips with 1 loop, galvanized Bowden wire. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Up to K 30 loops without thimbles, from K 40 loops with steel thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load

Code	Type	C-D	B	D	kN	L1/L2	kg
245010	K 15/1	10-15	18	5	10,2	600/700	0,08
245030	K 20/1	15-20	18	5	12,9	600/700	0,19
245050	K 25/1	20-25	18	5	20,4	600/700	0,21
245080	K 30/1	25-30	18	5	24,3	1000/1100	0,23
245140	K 40/1	30-40	18	11	35,1	1250/1350	0,42
245190	K 50/1	40-50	20	12	48,0	1250/1350	0,58
245250	K 60/1	50-60	20	15	48,0	1500/1600	0,69
245300	K 70/1	60-70	20	15	63,9	1500/1650	0,93

245350	K 90/1	70-90	25	18	83,7	1500/1650	1,23
245400	K 110/1	90-110	25	18	104,7	1500/1700	1,40
245450	K 130/1	110-130	25	18	104,7	1500/1700	1,50
245490	K 160/1	130-160	25	18	128,1	1500/1700	1,80

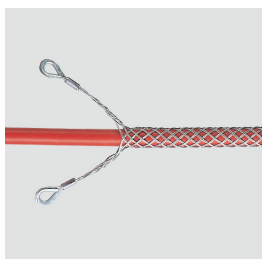


## Cable pulling grips, 1 loop, for 3 cables

Cable pulling grips for 3 cables with 1 loop, galvanized Bowden wire. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. For pulling-in together of 3 single core cables.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Loops without thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load

Code	Type	C-D	B	D	kN	L1/L2	kg
245860	K 30/3	3x25-30	40	13	48,6	1000/1150	0,97
245870	K 40/3	3x30-40	40	13	70,2	1250/1400	1,51
245880	K 50/3	3x40-50	40	13	96,0	1250/1400	2,00
245890	K 60/3	3x50-60	40	13	96,0	1500/1650	2,34
245900	K 70/3	3x60-70	40	13	128,0	1500/1650	2,50



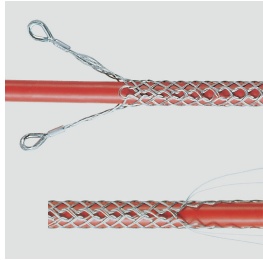
## Cable pulling grips, 2 loops

Cable pulling grips with 2 loops, galvanized Bowden wire. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length or in stainless steel are available.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Up to K 30 loops without thimbles, from K 40 loops with steel thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load. at equal pull on both loops

Code	Type	C-D	B	D	kN	L1/L2	kg
246010	K 15/2	10-15	18	5	10,2	600/800	0,06
246030	K 20/2	15-20	18	5	12,9	600/800	0,12
246050	K 25/2	20-25	18	5	20,4	600/800	0,13
246080	K 30/2	25-30	18	5	24,3	1000/1200	0,26
246140	K 40/2	30-40	18	11	35,1	1250/1450	0,49
246190	K 50/2	40-50	20	12	48,0	1250/1450	0,70
246250	K 60/2	50-60	20	15	48,0	1500/1800	0,82
246300	K 70/2	60-70	20	15	63,9	1500/1800	1,10
246350	K 90/2	70-90	25	18	83,7	1500/1800	1,55

246400	K 110/2	90-110	25	18	104,7	1500/1850	1,93
246450	K 130/2	110-130	25	18	104,7	1500/1850	2,40
246490	K 160/2	130-160	25	18	128,1	1500/1850	2,70

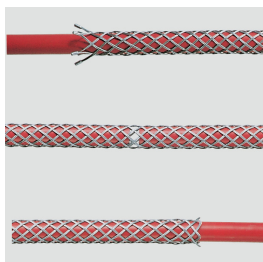


## Cable pulling grips, 2 loops, lateral divided

Cable pulling grips with 2 loops, galvanized Bowden wire. Lateral divided with binding strand. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length or in stainless steel are available. For all underground and duct cables.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Up to K 30 loops without thimbles, from K 40 loops with steel thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load. at equal pull on both loops

Code	Type	C-D	B	D	kN	L1/L2	kg
247010	K 15/2G	10-15	18	5	10,2	600/800	0,10
247030	K 20/2G	15-20	18	5	12,9	600/800	0,27
247050	K 25/2G	20-25	18	5	20,4	600/800	0,31
247080	K 30/2G	25-30	18	5	24,3	1000/1200	0,33
247140	K 40/2G	30-40	18	11	35,1	1250/1500	0,60
247190	K 50/2G	40-50	20	12	48,0	1250/1500	0,92
247250	K 60/2G	50-60	20	15	48,0	1500/1800	1,30
247300	K 70/2G	60-70	20	15	63,9	1500/1800	1,39
247350	K 90/2G	70-90	25	18	83,7	1500/1800	2,20
247400	K 110/2G	90-110	25	18	104,7	1500/1850	2,40
247450	K 130/2G	110-130	25	18	104,7	1500/1850	2,71
247490	K 160/2G	130-160	25	18	128,1	1500/1850	2,90



## Cable connecting grips

Cable connecting grips, galvanized Bowden wire. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length or in stainless steel are available. For connecting of two cables to follow.

- For connection of two cut cables. Not for use in overhead lines.
- L, the mentioned mesh length are without a cable in.
- The real length on the cable can be, depending on the cable diameter, much shorter.
- kN = minimum breaking load

Code	Type	C-D	kN	L mm	kg
248010	KV 15	10-15	10,2	1500	0,13
248030	KV 20	15-20	20,4	1500	0,27
248050	KV 25	20-25	20,4	2000	0,40
248080	KV 30	25-30	24,3	2000	0,48
248140	KV 40	30-40	35,1	2000	0,60

248190	KV 50	40-50	48,0	2000	0,70
248250	KV 60	50-60	48,0	2500	0,80
248300	KV 70	60-70	63,9	2500	1,00
248350	KV 90	70-90	83,7	2500	1,20

### Cable pulling grips, 1 loop

Cable pulling grips with 1 loop, galvanized Bowden wire. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Loops without thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load

Code	Type	C-D	B	D	kN	L1/L2	kg
244040	J 6	4-6	10	2	1,8	140/200	0,01
244060	J 9	6-9	15	2	3,3	170/245	0,01
244090	J 12	9-12	15	3	3,9	250/310	0,02
244150	J 19	12-19	20	3	7,8	360/460	0,04
244180	J 25	19-25	20	4	12,0	380/490	0,05
244210	J 31	25-31	20	4	17,4	420/550	0,09

### Cable pulling grips, 1 loop

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- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Loops without thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load

Code	Type	C-D	B	D	kN	L1/L2	kg
244260	L 9	6-9	15	2	3,3	600/670	0,02
244290	L 12	9-12	15	3	3,9	600/670	0,04
244350	L 19	12-19	20	3	7,8	600/700	0,06
244380	L 25	17-25	20	4	12,0	600/710	0,07
244410	L 31	25-31	20	4	17,4	600/730	0,11
244415	L 40	30-40	20	4	17,4	600/730	0,13
244420	L 50	40-50	20	5	17,4	600/730	0,15

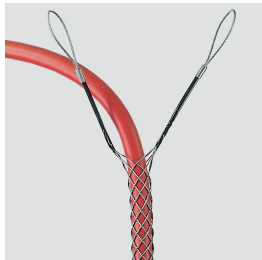


## Cable supporting grips, 1 loop

Cable supporting grips with 1 loop, galvanized Bowden wire. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length are available. Grips made of stainless steel see further below. For safe and strain relieved cable supporting.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Loops without thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load

Code	Type	C-D	B	D	kN	L1/L2	kg
250021	KM 6/1	4-6	30	2	1,8	100/275	0,02
250031	KM 9/1	7-9	30	2	3,3	120/290	0,02
250041	KM 12/1	9-12	30	2	3,9	135/340	0,02
250071	KM 15/1	12-15	30	2	6,3	180/390	0,03
250091	KM 19/1	15-19	30	3	7,8	220/450	0,04
250121	KM 25/1	19-25	35	3	7,8	275/510	0,05
250161	KM 30/1	25-30	35	3	12,0	350/610	0,07
250171	KM 40/1	30-40	50	3	17,4	370/660	0,12
250191	KM 50/1	40-50	50	4	24,0	490/800	0,12
250201	KM 60/1	50-60	50	4	24,0	500/810	0,28
250211	KM 70/1	60-70	50	5	31,8	520/860	0,28
250221	KM 90/1	70-90	50	5	41,7	580/950	0,35



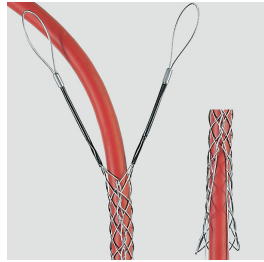
## Cable supporting grips, 2 loops

Cable supporting grips with 2 loops, galvanized Bowden wire. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length are available. Grips made of stainless steel see further below. For safe and strain relieved cable supporting.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Loops without thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load at equal pull on both loops

Code	Type	C-D	B	D	kN	L1/L2	kg
251071	KM 15/2	12-15	30	2	6,3	180/400	0,02
251091	KM 19/2	15-19	30	2	7,8	220/450	0,04
251121	KM 25/2	19-25	35	2	7,8	275/530	0,05
251161	KM 30/2	25-30	35	3	12,0	350/630	0,06
251171	KM 40/2	30-40	50	3	17,4	370/680	0,12
251191	KM 50/2	40-50	50	3	24,0	490/800	0,12
251201	KM 60/2	50-60	50	3	24,0	500/840	0,28
251211	KM 70/2	60-70	50	4	31,8	520/890	0,30
251221	KM 90/2	70-90	50	5	41,7	580/900	0,35



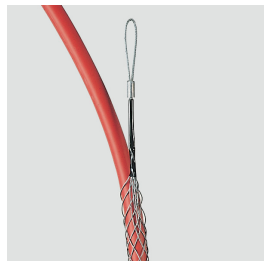


### Cable supporting grips, 2 loops, lateral divided

Cable supporting grips with 2 loops, galvanized Bowden wire. Lateral divided with binding strand. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length or in stainless steel are available. For safe and strain relieved cable supporting.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Loops without thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load at equal pull on both loops

Code	Type	C-D	B	D	kN	L1/L2	kg
252071	KM 15/2G	12-15	30	2	6,3	180/400	0,02
252091	KM 19/2G	15-19	30	2	7,8	220/450	0,04
252121	KM 25/2G	19-25	35	2	7,8	275/530	0,05
252161	KM 30/2G	25-30	35	3	12,0	350/630	0,06
252171	KM 40/2G	30-40	50	3	17,4	370/680	0,12
252191	KM 50/2G	40-50	50	3	24,0	490/800	0,12
252201	KM 60/2G	50-60	50	3	24,0	500/840	0,28
252211	KM 70/2G	60-70	50	4	31,8	520/890	0,30
252221	KM 90/2G	70-90	50	5	41,7	580/900	0,35

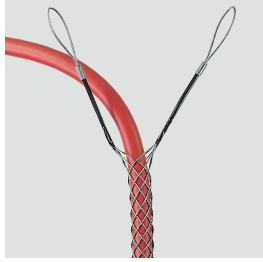


### Cable supporting grips, 1 loop, stainless steel

Cable supporting grips with 1 loop. Stainless steel Bowden wire V4A/1.4401 with copper clamp. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length are available. For safe and strain relieved cable supporting.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Loops without thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load

Code	Type	C-D	B	D	kN	L1/L2	kg
250271	KME 6/1	4-6	30	2	1,8	100/275	0,02
250281	KME 9/1	7-9	30	2	3,3	120/290	0,02
250291	KME 12/1	9-12	30	2	3,9	135/340	0,02
250321	KME 15/1	12-15	30	2	6,3	180/390	0,02
250341	KME 19/1	15-19	30	3	7,8	220/450	0,04
250371	KME 25/1	19-25	35	3	7,8	275/510	0,05
250411	KME 30/1	25-30	35	3	12,0	350/610	0,07
250421	KME 40/1	30-40	50	3	17,4	370/660	0,12
250441	KME 50/1	40-50	50	4	24,0	490/800	0,12
250451	KME 60/1	50-60	50	4	24,0	500/810	0,28
250461	KME 70/1	60-70	50	5	31,8	520/860	0,28

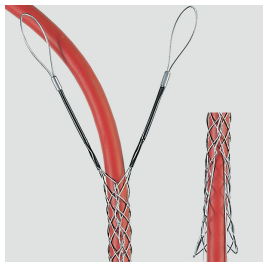


## Cable supporting grips, 2 loops, stainless steel

Cable supporting grips with 2 loops. Stainless steel Bowden wire V4A/1.4401 with copper clamp. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length are available. For safe and strain relieved cable supporting.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Loops without thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load at equal pull on both loops

Code	Type	C-D	B	D	kN	L1/L2	kg
251321	KME 15/2	12-15	30	2	6,3	180/400	0,02
251341	KME 19/2	15-19	30	2	7,8	220/450	0,04
251371	KME 25/2	19-25	35	2	7,8	275/530	0,05
251411	KME 30/2	25-30	35	3	12,0	350/630	0,06
251421	KME 40/2	30-40	50	3	17,4	370/680	0,12
251441	KME 50/2	40-50	50	3	24,0	490/800	0,12
251451	KME 60/2	50-60	50	3	24,0	500/840	0,28
251461	KME 70/2	60-70	50	4	31,8	520/890	0,32



## Cable supporting grips, 2 loops, lateral divided, stainless steel

Cable supporting grips with 2 loops. Lateral divided with binding strand. Stainless steel Bowden wire V4A/1.4401 with copper clamp. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length or in stainless steel are available. For safe and strain relieved cable supporting.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Loops without thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load at equal pull on both loops

Code	Type	C-D	B	D	kN	L1/L2	kg
252321	KME 15/2G	12-15	30	2	6,3	180/400	0,02
252341	KME 19/2G	15-19	30	2	7,8	220/450	0,04
252371	KME 25/2G	19-25	35	2	7,8	275/530	0,05
252411	KME 30/2G	25-30	35	3	12,0	350/630	0,06
252421	KME 40/2G	30-40	50	3	17,4	370/680	0,08
252441	KME 50/2G	40-50	50	3	24,0	490/800	0,12
252451	KME 60/2G	50-60	50	3	24,0	500/840	0,28
252461	KME 70/2G	60-70	50	4	31,8	520/890	0,34



## Cable strain relief grip 1 lateral loop

Cable strain relief grip especially for spring cable reels or motor driven cable reels, 1 lateral loop galvanized Bowden wire. All Vetter cable grips are handmade and therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length or in stainless steel are available. For stress-free wind and unwinding operation on cable drums.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- All loops are equipped with galv. steel thimbles.
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load

Code	Type	C-D	B	D	kN	L1/L2	kg
25304004	KS 10/1	7-10	15	11	6,6	400/600	0,07
25305004	KS 15/1	10-15	18	11	10,2	400/600	0,08
25308004	KS 20/1	15-20	18	11	12,9	400/600	0,10
25309004	KS 25/1	20-25	18	12	20,4	400/600	0,12
25310004	KS 30/1	25-30	18	12	20,4	400/600	0,13
25314004	KS 40/1	30-40	18	12	35,1	400/600	0,17
25316004	KS 50/1	40-50	20	13	48,0	400/600	0,25
25318004	KS 60/1	50-60	20	16	48,0	400/600	0,30



## Cable strain relief grip 1 lateral loop, stainless steel

Cable strain relief grip especially for spring cable reels or motor driven cable reels, 1 lateral loop. Stainless steel Bowden wire V4A/1.4401 with copper clamp. All Vetter cable grips are handmade and therefore of high flexibility. Other versions, e.g. reinforced, different length are available. For stress-free wind and unwinding operation on cable drums.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- All loops are equipped with stainless steel thimbles.
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load

Code	Type	C-D	B	D	kN	L1/L2	kg
25330004	KSE 10/1	7-10	15	11	6,6	400/600	0,08
25331004	KSE 15/1	10-15	18	11	10,2	400/600	0,10
25333004	KSE 20/1	15-20	18	11	12,9	400/600	0,12
25335004	KSE 25/1	20-25	18	12	20,4	400/600	0,14
25337004	KSE 30/1	25-30	18	12	24,3	400/600	0,15
25339004	KSE 40/1	30-40	18	12	35,1	400/600	0,20
25341004	KSE 50/1	40-50	20	13	48,0	400/600	0,25
25343004	KSE 60/1	50-60	20	16	48,0	400/600	0,30



## Cable supporting grips for wind energy plants

Cable supporting grips especially for wind energy plants. With 1 lateral loop, galvanized Bowden wire. All Vetter cable grips are handmade therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length, or in stainless steel are available. For safe and strain relieved cable supporting.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- All loops are equipped with galv. steel thimbles.
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load

Code	Type	C-D	B	D	kN	L1/L2	kg
253050	MW 10/1	8-10	15	11	6,6	500/650	0,08
253060	MW 15/1	10-15	18	11	10,2	500/670	0,10
253080	MW 20/1	15-20	18	11	12,9	500/720	0,15
253100	MW 25/1	20-25	18	12	20,4	500/750	0,16
253120	MW 30/1	25-30	18	12	24,3	500/750	0,17
253140	MW 40/1	30-40	18	12	35,1	500/800	0,22
253160	MW 50/1	40-50	20	13	48,0	800/1000	0,35
253180	MW 60/1	50-60	20	16	48,0	800/1000	0,45
253200	MW 70/1	60-70	20	16	63,0	800/1200	0,55



## Cable supporting grips for wind power plants, 1 loop, stainless steel

Cable supporting grips for wind power plants, 1 lateral loop. Stainless steel Bowden wire V4A/1.4401 with copper clamp. All Vetter cable grips are handmade and therefore of high flexibility. They adapt easy at any difference in cable diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length or in stainless steel are available. For strain-relief suspension of cables in plants.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- All loops are equipped with stainless steel thimbles.
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load

Code	Type	C-D	B	D	kN	L1/L2	kg
25330005	MWE 10/1	8-10	15	11	6,6	500/630	0,08
25331005	MWE 15/1	10-15	18	11	10,2	500/640	0,10
25333005	MWE 20/1	15-20	18	11	12,9	500/690	0,15
25335005	MWE 25/1	20-25	18	12	20,4	500/690	0,16
25337005	MWE 30/1	25-30	18	12	24,3	500/690	0,17
25339005	MWE 40/1	30-40	18	12	35,1	500/760	0,22
25341005	MWE 50/1	40-50	20	13	48,0	800/1000	0,35
25343005	MWE 60/1	50-60	20	16	48,0	800/1000	0,45
25345005	MWE 70/1	60-70	20	16	63,0	800/1200	0,55

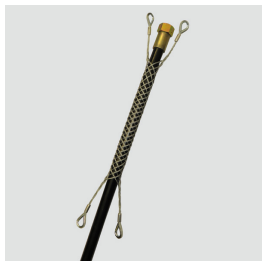


## Hose securing grips, 2 loops

Hose securing grips with 2 loops, galvanized Bowden wire. All Vetter securing grips are handmade therefore of high flexibility. They adapt easy at any difference in hose diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length or in stainless steel are available. For all water-, hydraulic or other high pressure hoses.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Up to SC 30 loops without thimbles, from SC 40 loops with steel thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load at equal pull on both loops

Code	Type	Hose-D	B	D	kN	L1/L2	kg
24600006	SC 10/2	6-10	18	5	6,6	600/740	0,05
24601006	SC 15/2	10-15	18	5	10,2	600/740	0,07
24603006	SC 20/2	15-20	18	5	12,9	600/780	0,15
24605006	SC 25/2	20-25	18	5	20,4	600/800	0,16
24608006	SC 30/2	25-30	18	5	24,3	600/800	0,18
24614006	SC 40/2	30-40	18	11	35,1	600/820	0,31
24619006	SC 50/2	40-50	20	12	48,0	600/850	0,47
24625006	SC 60/2	50-60	20	15	48,0	600/880	0,53
24630006	SC 70/2	60-70	20	15	63,9	600/930	0,65
24635006	SC 90/2	70-90	20	15	83,7	600/960	0,70



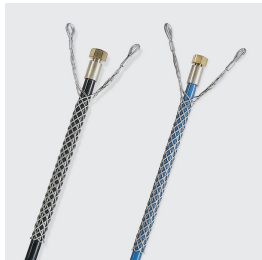
## Hose securing grips, 2+2 loops

Hose securing grips with 2 loops on each end. This type is mainly used for short hoses, where two single grips would be too long. For all water-, hydraulic or other high pressure hoses. All Vetter securing grips are handmade therefore of high flexibility. They adapt easy at any difference in hose diameter and are therefore simple to handle. Material galvanized Bowden wire. Any other length or in stainless steel are available in short term. Please ask for offers.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Up to SC 30 loops without thimbles, from SC 40 loops with steel thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load at equal pull on both loops

Code	Type	Hose-D	B	D	kN	L1/L2	kg
246000065	SCD 10/2+2	6-10	18	5	6,6	600/900	0,10
246000075	SCD 10/2+2	6-10	18	5	6,6	840/1200	0,15
246000077	SCD 10/2+2	6-10	18	5	6,6	920/1200	0,20
246010065	SCD 15/2+2	10-15	18	5	10,2	600/900	0,12
246010075	SCD 15/2+2	10-15	18	5	10,2	840/1200	0,18
246010077	SCD 15/2+2	10-15	18	5	10,2	920/1200	0,22
246030065	SCD 20/2+2	15-20	18	5	12,9	600/960	0,20
246030075	SCD 20/2+2	15-20	18	5	12,9	840/1200	0,25
246030077	SCD 20/2+2	15-20	18	5	12,9	920/1200	0,30
246050065	SCD 25/2+2	20-25	18	5	20,4	600/960	0,25

246050075	SCD 25/2+2	20-25	18	5	20,4	840/1200	0,30
246050077	SCD 25/2+2	20-25	18	5	20,4	920/1200	0,35
246080065	SCD 30/2+2	25-30	18	5	24,3	600/960	0,30
246080075	SCD 30/2+2	25-30	18	5	24,3	840/1200	0,35
246080077	SCD 30/2+2	25-30	18	5	24,3	920/1200	0,40
246140065	SCD 40/2+2	30-40	18	11	35,1	600/960	0,35
246140075	SCD 40/2+2	30-40	18	11	35,1	840/1200	0,45
246140077	SCD 40/2+2	30-40	18	11	35,1	920/1200	0,50
246190065	SCD 50/2+2	40-50	20	12	48,0	600/960	0,55
246190075	SCD 50/2+2	40-50	20	12	48,0	840/1200	0,65
246190077	SCD 50/2+2	40-50	20	12	48,0	920/1200	0,70
246250065	SCD 60/2+2	50-60	20	15	48,0	600/960	0,65
246250075	SCD 60/2+2	50-60	20	15	48,0	840/1200	0,75
246250077	SCD 60/2+2	50-60	20	15	48,0	920/1200	0,80
246300065	SCD 70/2+2	60-70	20	15	63,9	600/960	0,75
246300075	SCD 70/2+2	60-70	20	15	63,9	840/1200	0,85
246300077	SCD 70/2+2	60-70	20	15	63,9	920/1200	0,90
246350065	SCD 90/2+2	70-90	20	15	83,7	600/960	0,85
246350075	SCD 90/2+2	70-90	20	15	83,7	840/1200	0,95
246350077	SCD 90/2+2	70-90	20	15	83,7	920/1200	1,00



### Hose securing grips, 2 loops, lateral divided

Hose securing grips with 2 loops, galvanized Bowden wire. Lateral divided with binding strand. All Vetter securing grips are handmade therefore of high flexibility. They adapt easy at any difference in hose diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length or in stainless steel are available. For all water-, hydraulic or other high pressure hoses.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Up to SC 30 loops without thimbles, from SC 40 loops with steel thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load at equal pull on both loops

Code	Type	Hose-D	B	D	kN	L1/L2	kg
24701006	SC 15/2G	10-15	18	5	10,2	600/740	0,07
24703006	SC 20/2G	15-20	18	5	12,9	600/780	0,15
24705006	SC 25/2G	20-25	18	5	20,4	600/800	0,16
24708006	SC 30/2G	25-30	18	5	24,3	600/800	0,18
24714006	SC 40/2G	30-40	18	11	35,1	600/820	0,31
24719006	SC 50/2G	40-50	20	12	48,0	600/850	0,47
24725006	SC 60/2G	50-60	20	15	48,0	600/880	0,53
24730006	SC 70/2G	60-70	20	15	63,9	600/930	0,61

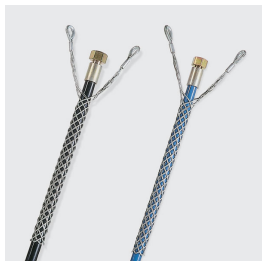


## Hose securing grips, 2 loops, stainless steel

Hose securing grips with 2 loops. Stainless steel Bowden wire V4A/1.4401 with copper clamp. All Vetter securing grips are handmade therefore of high flexibility. They adapt easy at any difference in hose diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length are available.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Up to SCE 30 loops without thimbles, from SCE 40 loops with stainless steel thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load at equal pull on both loops

Code	Type	Hose-D	B	D	kN	L1/L2	kg
24600046	SCE 10/2	6-10	15	5	6,6	600/740	0,05
24601046	SCE 15/2	10-15	18	5	10,2	600/740	0,07
24603046	SCE 20/2	15-20	18	5	12,9	600/780	0,15
24605046	SCE 25/2	20-25	18	5	20,4	600/800	0,16
24608046	SCE 30/2	25-30	18	5	24,3	600/800	0,18
24614046	SCE 40/2	30-40	18	11	35,1	600/820	0,31
24619046	SCE 50/2	40-50	20	12	48,0	600/850	0,47
24625046	SCE 60/2	50-60	20	15	48,0	600/880	0,53
24630046	SCE 70/2	60-70	20	15	63,9	600/930	0,65
24635046	SCE 90/2	70-90	20	15	83,7	600/960	0,70



## Hose securing grips, 2 loops, lateral divided, stainless steel

Hose securing grips with 2 loops. Lateral divided with binding strand. Stainless steel Bowden wire V4A/1.4401 with copper clamp. All Vetter securing grips are handmade therefore of high flexibility. They adapt easy at any difference in hose diameter and are therefore simple to handle. Other versions, e.g. reinforced, different length or in stainless steel are available. For all water-, hydraulic or other high pressure hoses.

- L1 = the lengths without cables in. L2 = total length included the loops.
- The real length mounted on the cable can be much shorter, depending on the cable diameter.
- Up to SCE 30 loops without thimbles, from SCE 40 loops with stainless steel thimbles
- B = internal diameter of the loop
- D = thickness of the loop
- kN = minimum breaking load at equal pull on both loops

Code	Type	Hose-D	B	D	kN	L1/L2	kg
24701046	SCE 15/2G	10-15	18	5	10,2	600/740	0,07
24703046	SCE 20/2G	15-20	18	5	12,9	600/780	0,15
24705046	SCE 25/2G	20-25	18	5	20,4	600/800	0,16
24708046	SCE 30/2G	25-30	18	5	24,3	600/800	0,18
24714046	SCE 40/2G	30-40	18	11	35,1	600/820	0,31
24719046	SCE 50/2G	40-50	20	12	48,0	600/850	0,47
24725046	SCE 60/2G	50-60	20	15	48,0	600/880	0,53
24730046	SCE 70/2G	60-70	20	15	63,9	600/930	0,61



## Hose securing loops

Hose securing loops for hose to gun or hose to hose. They adapt easy at any difference in hose diameter and are therefore simple to handle. Available in galv. steel or in stainless steel wire V4a, see table below. For all water-, hydraulic or other high pressure hoses. Minimum Braking Load for all these loops = 17,0 kN.

Code	Type	Connection	Mat.	Hose-D	Length	kg
254800	FSG 00-060S	Hose-gun	Steel galv.	10-50	600	0,16
254804	FSS 10-060S	Hose-hose	Steel galv.	10-25	600	0,25
254808	FSS 20-080S	Hose-hose	Steel galv.	25-40	800	0,27
254812	FSS 40-120S	Hose-hose	Steel galv.	30-50	1200	0,33
254824	FSG 00-060V	Hose-gun	Stainl. V4a	10-50	600	0,18
254828	FSS 10-060V	Hose-hose	Stainl. V4a	10-25	600	0,27
254832	FSS 20-080V	Hose-hose	Stainl. V4a	25-40	800	0,30
254836	FSS 40-120V	Hose-hose	Stainl. V4a	30-50	1200	0,34