



## SIKA swivel load hook, grade 8

TYPE	Capacity kg	Weight kg	Order No.
WHS-1.25	1,250	0.4	D00150
WHS-1.6	2,000	0.9	D00151
WHS-3.2	3,200	1.6	D00152
WHS-5.4	5,400	3.5	D00153
WHS-8-8	8,000	6.5	D00154
WHS-11.5	11,500	8.5	D00155



## SIKA hook with eye, grade 8

TYPE	Capacity kg	Weight kg	Order No.
OHS-06	1,120	0.6	D00160
OHS-08	2,000	1.0	D00161
OHS-10	3,150	1.5	D00162
OHS-13	5,300	3.5	D00163
OHS-16	8,000	5.5	D00164
OHS-20	12,500	7.6	D00165



## Stainless steel swivel load hook

TYPE	Capacity kg	Weight kg	Order No.
WHN-05	500	0.3	D02151
WHN-1	1,000	1.0	D02152
WHN-2.4	2,400	1.4	D02153
WHN-3.8	3,850	2.3	D02154
WHN-5	5,000	3.8	D02155



## Stainless steel hook with eye

TYPE	Capacity kg	Weight kg	Order No.
OHN-025	250	0.1	D02160
OHN-045	450	0.2	D02161
OHN-1.5	1,500	0.8	D02162
OHN-2.4	2,400	1.4	D02163
OHN-3.8	3,850	3.0	D02164
OHN-5	5,000	4.8	D02165

## Wire ropes

Rope diameter mm	TYPE 6 x 19 + IWRC, 6 x 36 + IWRC (as of 10 mm) 1960 N/mm <sup>2</sup> galvanised, non-rotation resistant		TYPE 17 x 7 + IWRC, 1960 N/mm <sup>2</sup> galvanised, rotation resistant		plus assembly of the rope on reel if necessary / one side pointed, other side with thimble Order No.
	Min. breaking force kN	Order No. per metre	Min. breaking force kN	Order No. per metre	
4	10.4	C04619	10.3	C04177	C04001
5	16.2	C05619	16.1	C05177	C05001
6	23.4	C06619	23.1	C06177	C06001
7	31.8	C07619	31.5	C07177	C07001
8	41.6	C08619	41.1	C08177	C08001
9	52.7	C09619	52.1	C09177	C09001
10	69.8	C10636	64.3	C10177	C10001
11	84.4	C11636	77.8	C11177	C11001
12	100.5	C12636	92.6	C12177	C12001
13	118	C13636	109	C13177	C13001
14	136.8	C14636	126	C14177	C14001
16	178.7	C16636	165	C16177	C16001
18	226.2	C18636	208	C18177	C18001
20	279.3	C20636	257	C20177	C20001
22	337.9	C22636	-	-	C22001
24	402.2	C24636	-	-	C24001
26	472	C26636	-	-	C26001
28	547.4	C28636	-	-	C28001

## WIRE ROPES AND LIMIT STOP EQUIPMENT

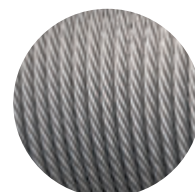
In the majority of cases, wire ropes in accordance with DIN EN 12385-4 are used. Depending on the application, we also equip cable winches with high-strength wire ropes or stainless steel ropes. The ropes differ in terms of their different designs, e.g. flexibility, strength and robustness.

For unguided loads lifted in a single line, a wire rope must be selected that does not untwist under load. These ropes belong to the group of rotation-resistant wire ropes. The rope type is selected according to your application. It is helpful to have as many parameters as possible to make the right choice.

Due to the large number of different ropes, the PLANETA PFW, PCW and PHW wire rope winches are offered without rope in the basic version. You can choose between a smooth rope end, a crimped end or a crimped end with load hook as a sling.

Wire ropes are supplied loose in a bundle as standard.

We can also coil the rope on request.



## Stainless steel wire ropes

Rope diameter mm	TYPE 7 x 19 1570 N/mm <sup>2</sup> stainless steel (V4A) non-rotation resistant		TYPE 18 x 7 1570 N/mm <sup>2</sup> stainless steel (V4A) rotation resistant		plus assembly of the rope on a reel if necessary / one side pointed, other side with thimble Order No.
	Min. breaking force kN	Order No. per metre	Min. breaking force kN	Order No. per metre	
4	8.34	C04719	9	C04187	C04002
5	13	C05719	13	C05187	C05002
6	18.7	C06719	19	C06187	C06002
8	33.3	C08719	34	C08187	C08002
9	-	-	-	-	-
10	52.1	C10719	53	C10187	C10002
11	-	-	-	-	-
12	75	C12719	77	C12187	C12002
13	-	-	-	-	-
14	102	C14719	107	C14187	C14002
16	133	C16719	135	C16187	C16002

Design:

6 x 19 + IWRC, 6 x 36 + IWRC: Robust winch rope with independent wire rope core

17 x 7 + IWRC: High tensile lifting rope, twist-poor

7 x 19, 18 x 7: Stainless Steel: Corrosion free rope from material 1,4401

# Rope winch accessories

## WIRE CABLE BLOCKS

With rotatable load hook in accordance with DIN 15401, with hook clip.

**PA/R** = with polyamide roller(s) with slide bearing  
up to 150 mm external roller diameter

**ST/R** = with steel roller(s) with plain bearing

**ST/K** = with steel roller(s) with ball bearing

### Wire cable block, single-roll

Load bearing capacity at hook t	Roller outer Ø mm	Roller basic Ø mm	Max. wire rope Ø mm	Housing-width mm	Base width mm	Axis length mm	Installation length at hook mm	Weight approx. kg	Order No. PA/R	Order No. ST/R	Order No. ST/K
500	100	80	7	130	25	55	385	3.5	D01500	D01508	D01516
1,000	125	105	9	150	30	55	430	4.5	D01501	D01509	D01517
2,000	150	125	11	165	33	65	500	7.5	D01502	D01510	D01518
3,000	175	145	12	210	41	82	640	15	-	D01511	D01519
3,000	200	170	15	210	41	82	640	15.5	-	D01512	D01520
5,000	225	185	16	265	45	85	740	24	-	D01513	D01521
5,000	250	210	18	265	45	85	740	25	-	D01514	D01522
8,000	310	260	23	325	52	110	890	45	-	D01515	D01523

### Wire cable block, double-roll

Load bearing capacity at hook t	Roller outer Ø mm	Roller basic Ø mm	Max. wire rope Ø mm	Housing-width mm	Base width mm	Axis length mm	Installation length at hook mm	Weight approx. kg	Order No. PA/R	Order No. ST/R	Order No. ST/K
1,000	100	80	7	130	30	81	410	5	D01530	D01537	D01544
1,600	125	105	9	150	33	86	440	7	D01531	D01538	D01545
3,000	150	125	11	165	41	113	525	12	D01532	D01539	D01546
5,000	175	145	12	210	45	130	680	23	-	D01540	D01547
5,000	200	170	15	210	45	130	680	24	-	D01541	D01548
8,000	225	185	16	265	52	150	785	38.5	-	D01542	D01549
8,000	250	210	18	265	52	150	785	40.5	-	D01543	D01550

### Wire cable block, single-roll, hinged

Load bearing capacity at hook t	Roller outer Ø mm	Roller basic Ø mm	Max. wire rope Ø mm	Housing-width mm	Base width mm	Axis length mm	Installation length at hook mm	Weight approx. kg	Order No. PA/R	Order No. ST/R	Order No. ST/K
500	100	80	7	130	25	55	350	3.5	D01560	-	D01576
1,000	125	105	9	150	30	61	390	4.5	D01561	-	D01577
2,000	150	125	11	165	33	73	435	7.5	D01562	-	D01578
3,000	175	145	12	210	41	90	580	15	-	D01571	D01579
3,000	200	170	15	210	41	90	580	15.5	-	D01572	D01580
5,000	225	185	16	265	45	105	700	24	-	D01573	D01581
5,000	250	210	18	265	45	105	700	25	-	D01574	D01582
8,000	310	260	23	325	52	120	810	41	-	D01575	D01583

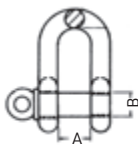
Other sizes on request.

## HIGH-STRENGTH GALVANISED SHACKLE



### Design A | G 209

(curved) with eye bolt



### Design B | G 210 (straight) with eye bolt

(Dimensions the same as design A)



### Design C | G 2130

(curved with nut and cotter pin)

(Dimensions the same as design A)



### Design D | G 2150

(straight with nut and cotter pin)

(Dimensions the same as design A)

Capacity kg	Nominal size, inches	Bore (A) mm	Bolt Ø (B) mm	Order No. Design A	Order No. Design B	Order No. Design C	Order No. Design D
*330	3/16	9.65	6.35	D00278	-	D00312	-
500	1/4	11.9	7.87	D00279	D00296	D00313	D01191
750	5/16	13.5	9.65	D00280	D00297	D00314	D01192
1,000	3/8	16.8	11.2	D00281	D00298	D00315	D01193
1,500	8/16	19.1	12.7	D00282	D00299	D00316	D01194
2,000	1/2	20.6	16	D00283	D00300	D00317	D01195
3,250	5/8	26.9	19.1	D00284	D00301	D00318	D01196
4,750	3/4	31.8	22.4	D00285	D00302	D00319	D01197
6,500	7/8	36.6	25.4	D00286	D00303	D00320	D01198
8,500	1	42.9	28.7	D00287	D00304	D00321	D01199
9,500	11/8	46	31.8	D00288	D00305	D00322	D01200
12,000	11/4	51.5	35.1	D00289	D00306	D00323	D01201
13,500	13/8	57	38.1	D00290	D00307	D00324	D01202
17,000	11/2	60.5	41.4	D00291	D00308	D00325	D01203
25,000	13/4	73	51	D00292	D00309	D00326	D01204
35,000	2	82.5	57	D00293	D00310	D00327	D01205
55,000	21/2	105	70	D00294	D00311	D00328	D01206

\* Only as eye bolt available.



Frequency converter control system



Contactor controller



Selector switch



Mains isolator



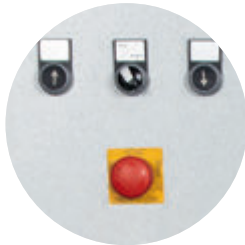
Wall-mounted switch



Manual control button for contactor controller



Radio control



Push buttons



Device attachment plug



Mains connection cable



Foot switch



Touch-Display

## CONTROL

PLANETA control systems provide the optimum interface between your PLANETA winch and your application or safety concept. In the basic version with constant speed the following sources of error are automatically monitored and safely blocked:

- Mains monitoring: phase failure, undervoltage and phase sequence (series, always)
- Thermal overload of the motor (from 2,000 W motor power)
- Torque overload (too high load, from 1,000 kg)

Further safety aspects are the control circuit with low-voltage voltage, which is galvanically isolated from the power supply system, and the stable control boxes with a high protection class. You can choose between various operating options, including several, the control of different winches, individually and simultaneously, versions according to UL/CSA GOST or ATEX guidelines. If your application requires exact positioning, particularly smooth acceleration, variable speeds, automatic travel cycles, variable tensioning forces, even when the winch is at a standstill, we can extend your control system with a frequency converter. The parameterization comes directly from our company, based on many years of experience with the top product of the hoisting industry.

## Operation

You have the option of controlling the cable winch using pushbuttons in the switch cabinet door, using a manual control button, a wallmounted switch, a foot switch, a radio controller or a combination of several operations. The prerequisite for this is that you use a contactor controller or a frequency converter controller. Each of the operations contains the „UP“ and „DOWN“ pushbuttons and an „EMERGENCY STOP“ palm switch. If you require additional operating points, you can select the desired operating point on a selector switch on the switch cabinet door.

## Control options

The power cord or the device attachment plug provide the winch with an electrical connection to the mains and consist of the desired length of connection cable and one of the plugs that correspond to the cable winch's operating voltage and power. A mains isolator can be used to power off the cable winch (e.g. for servicing purposes) in the same way as a mains connection plug also can. The electrical overload protection is integrated into the motor circuit and switches the winch off automatically if the load is too great.



## Rope winch options



### Grooved drum

Rope drums in the PFW, PCW and PHW series are smooth as standard. To enable longer rope service lives and a shorter distance to the first deflection, it is recommended that the rope drum is grooved.



### Drum protection

Covering the cable drum prevents objects or items of the operator's clothing entering the cable drive. This reduces the risk of accidents and damage to the winch.



### Drum pressure roller

If the rope is wound or unwound unloaded, the rope pressure roller supports orderly winding onto the rope drum. A typical application is, for example, when the rope winch has a freewheel clutch. The best effect is achieved with a combination of grooving and rope pressure roller.

### Emergency hand crank

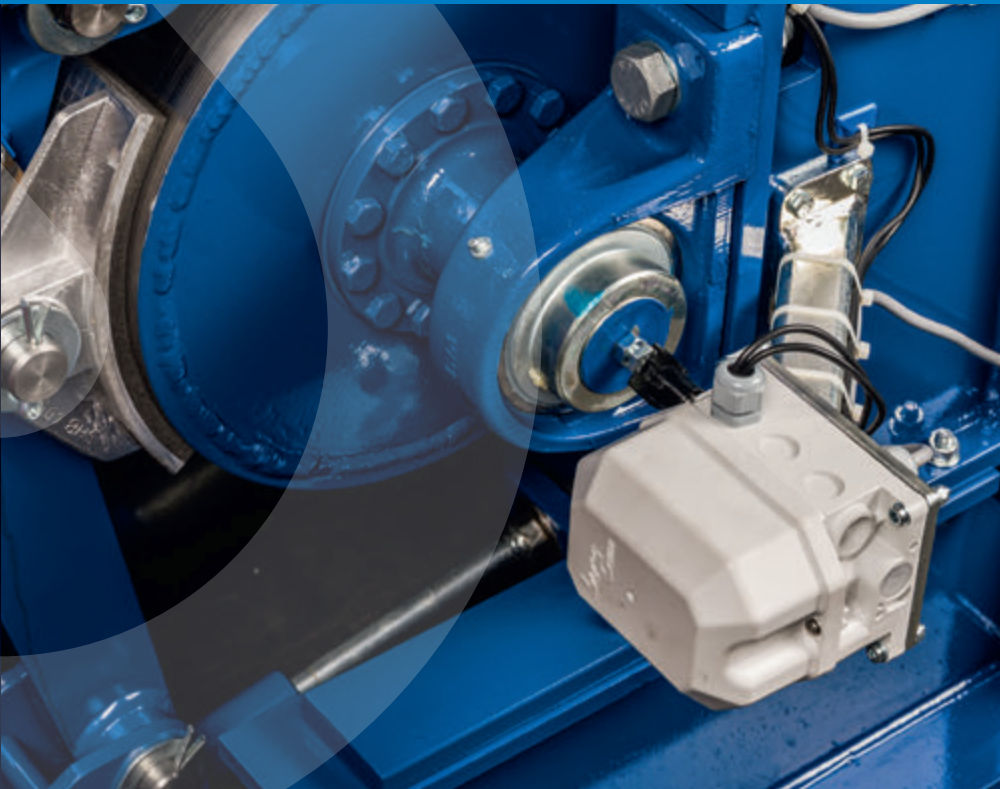
Up to a certain size, we can equip the PLANETA PFW and PKW rope winches with emergency crank handles. Therefore, if there is a loss of electrical power, you can raise or lower the load by hand.

### Manual brake venting

The PLANETA PHW rope winches can be equipped with manual brake venting. Therefore, if there is a loss of electrical power, you can lower the load by hand by bleeding the spring-loaded brake using the release lever.

### Brake active on drum

The (manual and automatic) cable drum brake is an additional brake that only applies to the cable drum. It can be an additional piece of safety equipment; e.g. for hoist winches with a free-wheeling coupling or for hoist winches to transport people.



### Slack wire switch

A slack wire switch determines whether the cable is laden or unladen. The cable winch is switched off automatically once the load is set down. This is advantageous for example in filling stations.



### Spooling device

If you cannot comply with the distance to the first deflection due to space limitations, we can offer an optional spooling device. The cable is fed through a reel that moves forwards and backwards in a line in front of the cable drum, thereby ensuring that the cable is wound around the cable drum in an orderly manner. The reel is coupled to the cable drum mechanically. The system works automatically. In this way, the spooling device increases the cable's angle of deflection and shortens the distance to the first deflection.



### Spindle limit switch

The spindle limit switch is coupled directly to the rope drum and determines the drum's revolutions. You can determine the cable winch's shut-off positions as required by adjusting the switching cam inside the switch. As standard, our spindle limit switches have two contacts, in order to limit the top and bottom hook position for example. We can equip the switch with up to five contacts on request. Therefore, you can switch something at interim positions (e.g. the alarm horn) or switch to a lower speed with rope winches that have two speeds.



### Disengaging clutch

You can uncouple rope drums of PLANETA PFW, PKW and PHW cable winches from the braked drive using the freewheel clutch. The rope can then simply be unwound by hand and does not have to be unwound by motor at rope speed. Freewheel clutches are only permitted for pulling winches. The grooved drum and rope pressure roller options are recommended to support the orderly winding of the unloaded rope.