Applications

Hooks are used in lifting systems as a connection between the load to be lifted and the wire rope or chain slings.

Range

Van Beest offers a wide range of hooks, from drop forged carbon steel hooks to drop forged alloy steel swivel hooks, which are quenched and tempered.

Upon special request other types of hooks can be offered.

Design

There are different types of hooks with their specific designs to suit a particular purpose. Eye hooks and swivel hooks are designed for wire rope or chain. Pipe line hooks are specially designed for handling tubes easily.

Most types of hooks are supplied with a safety latch.

All types carry the following markings:

- Working Load Limit;
- manufacturer's identification symbol;
- steel grade;
- traceability code;
- CE;

Finish

The grade 8 hooks are painted red, grade 4 hooks are painted green.
Upon request hooks can be supplied galvanized or self coloured.

Certification

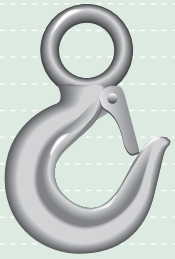
All hooks can be supplied with test certificates upon request.

Instructions for use

Hooks should be inspected before use to ensure that:

- all markings are legible;
- hooks are free from nicks, gouges and cracks;
- the latch is functional;
- a hook with the correct Working Load Limit has been selected with respect to the sling design i.e. the load to be lifted, the number of legs in the sling, the top angle etc. For further details we refer to EN 818, norm for Chain Slings;
- the hook is never side-, tip- or back-loaded;
- always make sure that the hook is supporting the load correctly, the latch should not be supporting the load;
- hooks may not be heat treated as this may affect their Working Load Limit;
- never repair or reshape a hook by welding, heating or bending as this may affect the Working Load Limit;
- do not swivel a swivel hook when it is supporting a load.

It is required that the products are regularly inspected and that the inspection should take place in accordance with the safety standards given in the country of use. This is required because the products in use may be affected by wear, misuse, overloading etc. with a consequence of deformation and alteration of the material structure.
Inspection should take place at least every six months and even more frequently when the hooks are used in severe operating conditions.



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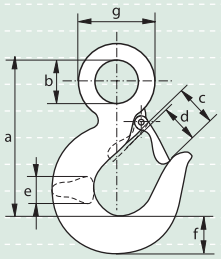
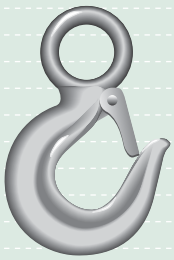


Green Pin® large eye hooks, grade 4

with safety latch

- **Material** : carbon steel, grade 4
- **Safety factor** : MBL equals 5 x WLL
- **Standard** : generally to EN 1677-5
- **Finish** : painted green
- **Certification** : test certificates can be supplied upon request

working load limit	length	diameter eye inside	width opening	width opening	thickness	width	diameter eye outside	weight per pce
	a	b	c	d	e	f	g	
tons	mm	mm	mm	mm	mm	mm	mm	kg
0.8	82	19	24	20	15	20	38	0.27
1	93	25	26	22	18	22	45	0.4
1.6	103	28	27	23	20	27	52	0.55
2	120	32	32	27	23	30	60	0.83
3.2	147	40	41	35	29	38	74	1.9
5	187	51	51	43	37	46	97	3.5
7.5	230	64	61	53	46	58	122	6.9
10	256	72	65	58	58	66	136	10.5
15	318	90	85	78	63	77	168	17.5



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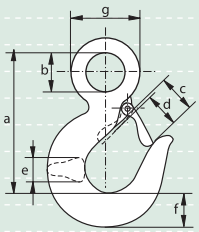
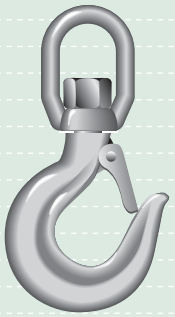


Green Pin® large eye hooks, grade 8

with safety latch

- **Material** : alloy steel, grade 8
- **Safety factor** : MBL equals 4 x WLL
- **Standard** : generally to EN 1677-2
- **Finish** : painted red
- **Certification** : test certificates can be supplied upon request

working load limit	length	diameter eye inside	width opening	width opening	thickness	width	diameter eye outside	weight per pce
	a	b	c	d	e	f	g	
tons	mm	mm	mm	mm	mm	mm	mm	kg
1.25	82	19	24	20	15	20	38	0.27
1.6	93	25	26	22	18	22	45	0.4
2.5	103	28	27	23	20	27	52	0.55
3.2	120	32	32	27	23	30	60	0.83
5.4	147	40	41	35	29	38	74	1.9
8	187	51	51	43	37	46	97	3.5
11.5	230	64	61	53	46	58	122	6.9
16	256	72	65	58	58	66	136	10.5
22	318	90	85	78	63	77	168	17.5



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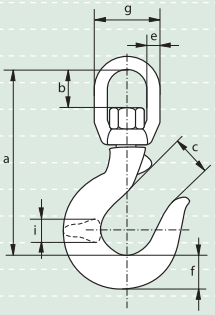
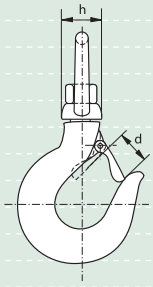


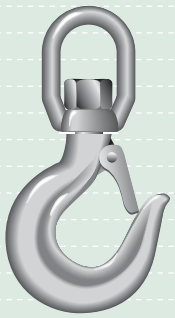


Green Pin® swivel hooks, grade 4

with safety latch

- **Material** : carbon steel, grade 4
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : painted green
- **Certification** : test certificates can be supplied upon request

working load limit	length	length inside	width opening	width opening	diameter	width	diameter	width	thickness	weight per pce
	a	b	c	d	e	f	g	h	i	
tons	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
0.8	116	28	24	20	11	20	52	30	15	0.45
1	145	36	26	22	14	22	67	36	18	0.9
1.6	165	49	27	23	17	27	81	42	20	1.3
2	175	45	32	27	17	30	81	42	23	1.6
3.2	214	55	41	35	21	38	106	64	29	3.8
5	264	70	51	43	26	46	129	77	37	6.9
7.5	308	74	61	53	29	58	148	92	46	10.6
10	344	86	65	58	35	66	165	105	58	16
15	427	114	85	78	40	77	200	130	63	27
20	505	125	90	82	48	90	235	146	82	60



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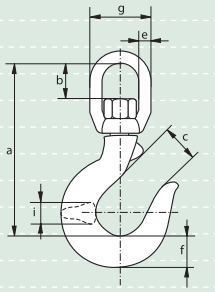
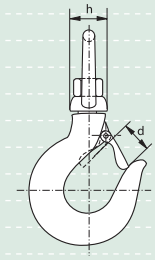


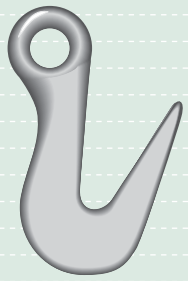


Green Pin® swivel hooks, grade 8

with safety latch

- **Material** : alloy steel, grade 8
- **Safety factor** : MBL equals 4 x WLL
- **Finish** : painted red
- **Certification** : test certificates can be supplied upon request

working load limit	length	length inside	width opening	width opening	diameter	width	diameter	width	thickness	weight per pce
	a	b	c	d	e	f	g	h	i	
tons	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
1.25	116	28	24	20	11	20	52	30	15	0.45
1.6	145	36	26	22	14	22	67	36	18	0.9
2.5	165	49	27	23	17	27	81	42	20	1.3
3.2	175	45	32	27	17	30	81	42	23	1.6
5.4	214	55	41	35	21	38	106	64	29	3.8
8	264	70	51	43	26	46	129	77	37	6.9
11.5	308	74	61	53	29	58	148	92	46	10.6
16	344	86	65	58	35	66	165	105	58	16
22	427	114	85	78	40	77	200	130	63	27
30	505	125	90	82	48	90	235	146	82	60



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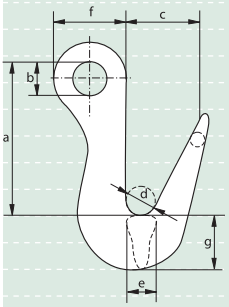
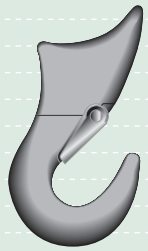


Green Pin® pipe line hooks

for handling large cylindrical shapes like pipe lines, tubes etc.

- **Material** : alloy steel
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : painted red
- **Certification** : test certificates can be supplied upon request

working load limit at hook top	bottom	length	diameter eye inside	width opening	diameter	thickness	diameter eye outside	width	weight per pce
		a	b	c	d	e	f	g	
tons	tons	mm	mm	mm	mm	mm	mm	mm	kg
2	7.5	167	35	74	30	32	74	57	2.65



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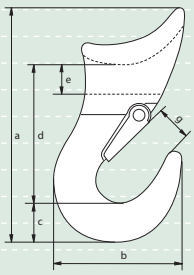
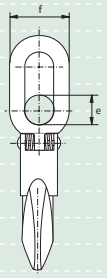




Green Pin® sliding choker hooks, grade 8

with safety latch

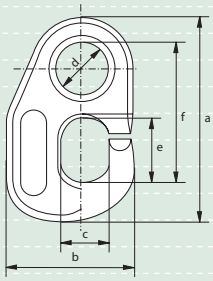
- **Material** : alloy steel, grade 8
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : painted red
- **Certification** : test certificates can be supplied upon request

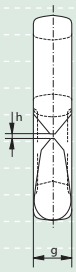
working load limit	diameter rope	length	width	thickness	length	diameter	thickness	opening	weight per pce
		a	b	c	d	e	f	g	
tons	mm	mm	mm	mm	mm	mm	mm	mm	kg
0.8	6-11	112	63	19	65	14	30	16	0.4
1.6	10-13	143	82	26	83	17	30	19	0.8
2.5	14-16	170	98	30	97	19	33	25	1.2
3.2	16-20	196	115	36	110	22	40	28	1.9
5.4	22-26	260	142	46	145	36	60	35	4.3

Viking hooks
with tapered opening

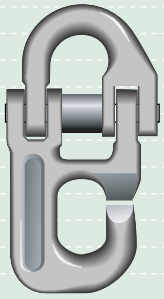
- **Material** : high tensile steel, quenched and tempered
- **Safety Factor** : MBL equals 4 x WLL
- **Finish** : painted yellow
- **Certification** : test certificates can be supplied upon request

P-6760





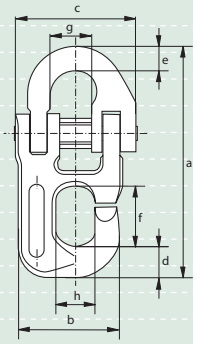
working load limit	length	width	width inside	diameter inside	length inside	length	thickness	width opening	weight per pce
	a	b	c	d	e	f	g	h	
tons	mm	mm	mm	mm	mm	mm	mm	mm	kg
3	117	70	26	30	41	82	20	2	0.7
5	136	84	31	35	42	92	25	2	1.2
8	155	97	35	39	48	106	31	3	1.9

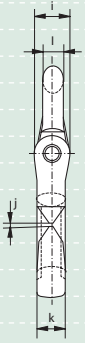


Fishcon hooks
with tapered opening

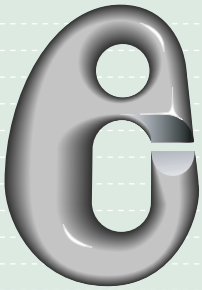
- **Material** : high tensile steel, quenched and tempered
- **Safety Factor** : MBL equals 4 x WLL
- **Finish** : painted yellow
- **Certification** : test certificates can be supplied upon request

P-6768





working load limit	length	width	width	length	length	length inside	width inside	width inside	thickness	width opening	thickness	thickness	weight per pce
	a	b	c	d	e	f	g	h	i	j	k	l	
tons	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
3.2	159	70	83	21	17	41	28	26	24	2	20	14	1.6
5.3	185	84	103	27	21	42	34	31	28	2	25	17	2.1



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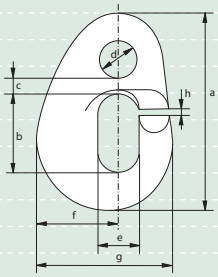

G-hooks

with tapered opening

- **Material** : high tensile steel, quenched and tempered
- **Safety Factor** : MBL equals 5 x WLL
- **Finish** : painted yellow
- **Certification** : test certificates can be supplied upon request

working load limit	length	length inside	width	diameter	width inside	width	width	width opening	thickness	weight per pce
	a	b	c	d	e	f	g	h	i	
tons	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
1.5	91	34	8	18	22	35	60	4	21	0.4
2.6	115	42	12	21	27	44	78	4	26	0.8
4	140	57	8	25	32	53	92	4	28	1.3
6	160	64	13	30	34	67	111	5	31	2.0