



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.

Van Beest can also offer other types of lifting hooks in grade 8, grade 10 and stainless steel.

Please see our Excel® catalogue for more information.



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

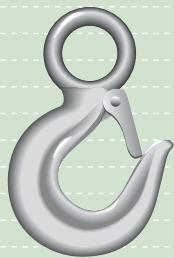
All hooks can be supplied with test certificates upon request.

Instructions for use

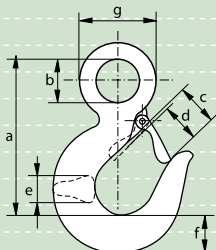
Hooks should be inspected before use to ensure that:

- all markings are legible;
- hooks are free from nicks, gouges and cracks;
- the latch is present;
- 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.



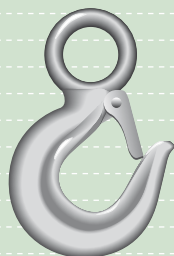
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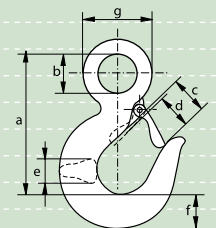
Green Pin® large eye hooks, Grade 4 with safety latch

- **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 each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
0.8	81	19	24	20	16	19	37	0.4
1	91	22	26	22	18	22	45	0.4
1.6	105	27	32	27	20	27	52	0.6
2	124	32	34	30	24	31	62	0.98
3.2	147	39	44	37	31	36	74	1.68
5	190	50	55	48	37	48	96	3.6



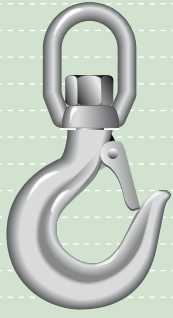
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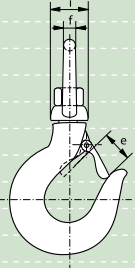
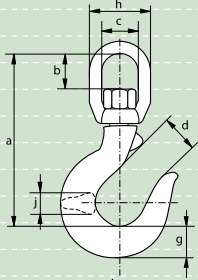
Green Pin® large eye hooks, Grade 8 with safety latch

- **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 each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
1.25	81	19	24	20	16	19	37	0.26
1.6	91	22	26	22	18	22	45	0.57
2.5	105	27	32	27	20	27	52	0.81
3.2	124	32	34	30	24	31	62	1.27
5.4	147	39	44	37	31	36	74	1.68
8	190	50	55	48	37	48	96	3.6
11.5	230	64	64	53	47	60	123	7
16	254	70	70	60	58	69	139	10.7
22	316	89	91	77	63	81	169	16.7



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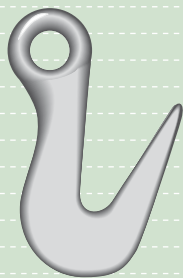


Green Pin® swivel hooks, Grade 8 with safety latch

- **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 inside	width opening	width opening	diameter	width	width	width	width	thickness	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm		kg
1.25	118	28	31	24	20	11	19	52	30	16		0.45
1.6	145	35	40	26	22	14	23	68	37	18		0.9
2.5	167	43	47	32	27	17	27	81	43	20		1.3
3.2	180	47	47	34	30	17	31	81	43	24		1.6
5.4	217	54	64	44	37	21	37	106	64	31		3.8
8	276	69	78	55	49	26	49	130	77	37		6.9
11.5	310	69	82	61	53	22	60	136	82	46		10.6
16	352	84	92	65	58	24	67	154	92	52		16
22	434	107	115	85	78	29	80	191	108	64		27
31.5	512	117	132	90	87	34	94	222	132	80		60

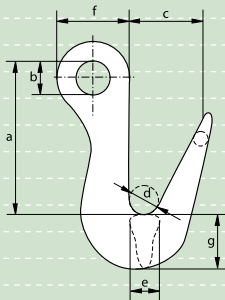
Green Pin® pipe line hooks for handling large cylindrical shapes like pipe lines, tubes etc.



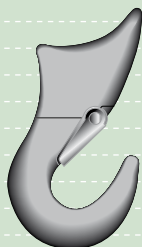
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- **Material** : alloy steel
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : painted red
- **Certification** : test certificates can be supplied upon request

working load limit at hook		length	diameter eye inside	width opening	diameter	thickness	diameter eye outside	width	weight each
top	bottom	a	b	c	d	e	f	g	kg
t	t	mm	mm	mm	mm	mm	mm	mm	kg
2	7.5	167	35	74	30	31	73	57	2.65



Green Pin® sliding choker hooks, Grade 8 with safety latch



P-6706A

- **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 each
t	mm	a	b	c	d	e	f	g	kg
	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

