

EXCEL® Stainless steel products

Applications

In circumstances where corrosion can cause problems, the use of stainless steel products is recommended.

Range

Van Beest offers a wide range of stainless steel items in order to assemble a complete sling from the top master link to the hooks.

The range extends from up to 6 mm to 13 mm ($\frac{7}{32}$ " to $\frac{1}{2}$ ").

Design

EXCEL® stainless steel items are manufactured from stainless steel quality AISI 316 or 316L. The master links, eye hooks and eye nuts have a flat part to make the assembly with the omega link (COI) easier.

CSEI swivel hooks are equipped with a stainless steel washer, they are not designed to rotate under load.

These components are generally marked with:

- manufacturer's symbol ■ EXCEL
- chain diameter in mm and/or inch ■ e.g. 13 and/or $\frac{1}{2}$ "
- traceability code ■ e.g. HA
- steel grade ■ 5
- item code ■ e.g. MJ1
- origin ■ FRANCE

Finish

Stainless steel items are polished.

Certification

Specific details of certificate availability can be found on each product page.

Please verify your certification requirements with Van Beest at time of order.

Testing

Proofloads for stainless steel products are applied as per following table and certificates can be supplied upon request.

for chain diameter		Working Load Limit (WLL)	Proofload (PL)	Minimum Breaking (MBL)
mm	inch	t	t	t
5	$\frac{3}{16}$	0.5	1.25	2
6	$\frac{7}{32}$	0.7	1.75	2.8
7-8	$\frac{1}{4}$ - $\frac{5}{16}$	1.2	3	4.8
10	$\frac{3}{8}$	1.6	4	6.4
13	$\frac{1}{2}$	2.7	6.75	10.8

Instructions for use

All stainless steel items should be inspected before use to ensure that:

- all markings are legible;
- items with the correct WLL have been selected. For further details we refer to the EN818 standard for chain slings;
- master links and the other items of the sling are all made of stainless steel suitable for lifting purposes;
- items should be used for in-line lifting only;
- the bolt, nut or any other locking system cannot vibrate out of position;
- items are not distorted or unduly worn;
- all items are free from nicks, gouges and cracks;
- items may not be heat treated as this may affect their WLL;
- never modify, repair or reshape an item by machining, welding, heating or bending as this may affect the WLL.

INFO

For a detailed explanation on the correct (dis)assembly of clevis fittings, we refer to the instruction PI-03-06 in the FAQ section on our website.

Temperature

If extreme temperature situations occur, the following load reduction must be taken into account:

Temperature °Celsius	Reduction for elevated temperatures New Working Load Limit
-40 °C up to 200 °C	100 % of original WLL
200 - 300 °C	75 % of original WLL
300 - 400 °C	50 % of original WLL
> 400 °C	not allowed

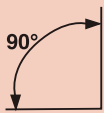
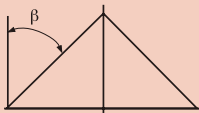
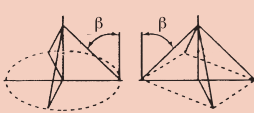
If a sling has been temporarily used under extreme temperature conditions with the appropriate WLL reduction, there is no need to continue to reduce the WLL once it is used again in standard conditions. If a sling has accidentally been exposed to excessive temperatures, for example due to exposure to a fire, the chain sling should be withdrawn from service.

Inspection

It is required that the products are regularly inspected 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. which may lead to deformation and alteration of the material structure.

Inspection by a competent person should take place at least every six months and more frequently when the components are used in severe operating conditions.

Working Load Limit table for stainless steel chain slings generally to EN 818-4

Chain Ø							
			2 leg sling		3 or 4 leg sling		Endless sling
			0° < β ≤ 45°	45° < β ≤ 60°	0° < β ≤ 45°	45° < β ≤ 60°	
mm	inch	t	Safety factor 1.4	Safety factor 1.0	Safety factor 2.1	Safety factor 1.5	Safety factor 1.6
		t	t	t	t	t	t
6	7/32	0.70	1.00	0.70	1.47	1.05	1.12
8	5/16	1.20	1.70	1.20	2.50	1.80	1.92
10	3/8	1.60	2.25	1.60	3.36	2.40	2.56
13	1/2	2.70	3.80	2.70	5.70	4.05	4.32

Additional instructions for lifting points

- lifting points should never be side loaded;
- always make sure that the lifting point is supporting the load correctly;
- lifting point should be seated well down in the hook;
- lifting point should be well fixed in the load (same thread, well positioned).

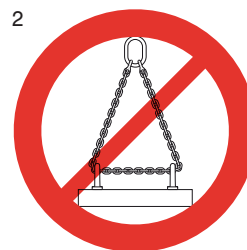
Assembly

The thread length should be adapted to the material of the load. For hard materials, the thread length must not be smaller than 1.5 times the diameter (e.g. M20, minimum length 30 mm). For soft materials like Aluminium or brass, a length of 3 times the diameter is needed. For soft materials, consider using a longer length and through-hole mounting with a nut and washer on the other side. The nut on the bolt should at least be class 5.

The bolt thread and the tapped hole in the load must be compatible and both in a good state. The tapping should be at least 20 % deeper than the thread length.

The surface should be flat and perpendicular to the thread enable full contact with the lifting point.

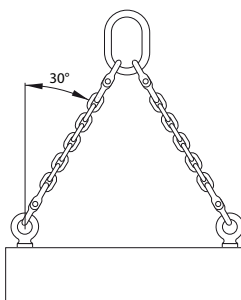
The material to which the lifting point is attached should be strong enough to withstand lifting forces without any deformation. The lifting points must perfectly fit on the material of the load to be lifted. Full contact between the lifting point and the surface is required.



1) The lifting points should match the size of the hook, so that they can be correctly positioned into the hook.

2) Never use a sling as a loop between two lifting points.

Consider the center of gravity of the load to position the lifting points (symmetric to the center). The tapping must be positioned at a distance of at least 3 times the diameter of the bolt from the edge of the load.



For the ALI and ELI lifting points, the application angle may be up to 30° from the vertical. Above 30°, the WLL decreases significantly.

Fasten these lifting points by hand and without the use of any tools or leverage. The lifting point has to be tightened just so deep that the lower edge connects to the surface of the load.

INFO

For welding instructions for transport rings PASI we refer to the instruction PI-03-02 in the FAQ section on our website.

Corrosion resistance table for stainless steel AISI 316L

This table offers a general guideline only. The material must always be tested for your specific conditions.

Acetic acid <20%	S
Ammonia (100%)	S
Ammonium chloride <1%	S
Ammonium nitrate 10% - 50%	S
Ammonium sulphate <10%	L
Benzene	S
Calcium hypochlorite (100%)	U
Citric acid <10%	S
Copper sulphate <10%	S
Ethanol	S
Gasoline	S
Hydrochloric acid (all concentrations)	U

Hydrogen cyanide 100%	L
Hydrogen peroxide <35%	S
Hydrogen sulphide 100%	S
Mineral oil	S
Nitric acid <10%	S
Potassium sulphate <10%	S
Sodium chloride <5%	S
Sodium hypochlorite <20%	L
Sodium nitrate 10% - 40%	S
Sodium sulphate <10%	S
Zinc chloride <10%	S
Zinc sulphate <10%	S

Abbreviations used

S = satisfactory, no or very little corrosion

L = limited resistance, exposure time must be limited, some corrosion might occur

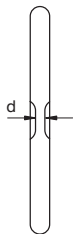
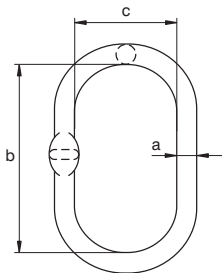
U = unsatisfactory, not suitable for use



EXCEL®



MSI



EXCEL® Stainless steel master link

- Material : AISI 316L, grade 5
- Safety factor : MBL equals 4 x WLL
- Finish : polished
- Certification : 2.1 2.2 3.1 MTC^b

diameter chain 1 leg	diameter chain 2 legs		working load limit	diameter	length inside	width inside	thick- ness	weight each
	$\beta \leq 45^\circ$	$\beta \leq 60^\circ$		a	b	c	d	
mm	mm	mm	t	mm	mm	mm	mm	kg
6	6	6	1	13	110	60	6	0.34
8	6	8	1.25	16	110	60	6	0.53
10	8	10	2	18	135	75	8	0.82
13	10	13	3.2	22	160	90	10	1.45
16	13	16	5	26	180	100	13	2.29

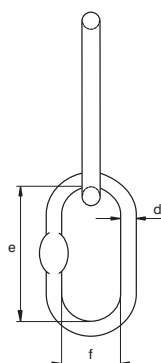
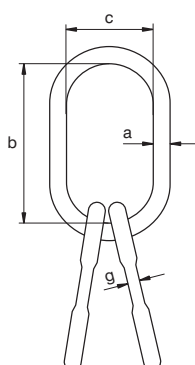
In inch

diameter chain 1 leg	diameter chain 2 legs		working load limit	diameter	length inside	width inside	thick- ness	weight each
	$\beta \leq 45^\circ$	$\beta \leq 60^\circ$		a	b	c	d	
inch	inch	inch	t	inch	inch	inch	inch	lbs
$\frac{7}{32}$	$\frac{7}{32}$	$\frac{7}{32}$	1	$\frac{1}{2}$	$4\frac{11}{32}$	$2\frac{3}{8}$	$\frac{1}{4}$	0.75
$\frac{5}{16}$	$\frac{7}{32}$	$\frac{5}{16}$	1.25	$\frac{5}{8}$	$4\frac{11}{32}$	$2\frac{3}{8}$	$\frac{1}{4}$	1.17
$\frac{3}{8}$	$\frac{5}{16}$	$\frac{3}{8}$	2	$\frac{23}{32}$	$5\frac{5}{16}$	$2\frac{15}{16}$	$\frac{5}{16}$	1.81
$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	3.2	$\frac{7}{8}$	$6\frac{5}{16}$	$3\frac{3}{4}$	$\frac{13}{32}$	3.20
$\frac{5}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	5	$1\frac{1}{32}$	$7\frac{3}{32}$	$3\frac{15}{16}$	$\frac{9}{16}$	5.05

EXCEL® Stainless steel master link assembly



MTSI



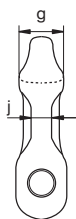
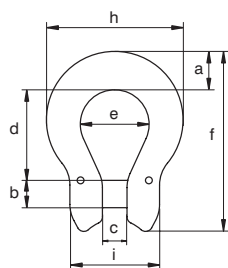
- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 4 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MTC^b

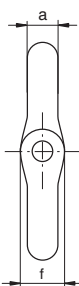
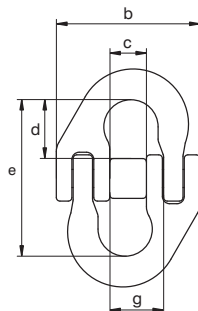
diameter chain 3/4 legs		working load limit	diameter	length inside	width inside	diameter	length inside	width inside	thick- ness	weight each
$\beta \leq 45^\circ$	$\beta \leq 60^\circ$		a	b	c	d	e	f	g	
mm	mm	t	mm	mm	mm	mm	mm	mm	mm	kg
6	6	1.6	18	135	75	13	54	25	6	1.17
8	8	2.65	22	160	90	16	70	34	8	2.17
10	10	4.25	26	180	100	18	85	40	8	3.34
13	13	6.7	32	200	110	22	115	50	13	5.99

In inch

diameter chain 3/4 legs		working load limit	diameter	length inside	width inside	diameter	length inside	width inside	thick- ness	weight each
$\beta \leq 45^\circ$	$\beta \leq 60^\circ$		a	b	c	d	e	f	g	
inch	inch	t	inch	inch	inch	inch	inch	inch	inch	lbs
$\frac{7}{32}$	$\frac{7}{32}$	1.6	$\frac{23}{32}$	$5\frac{5}{16}$	$2\frac{15}{16}$	$\frac{1}{2}$	$2\frac{1}{8}$	$\frac{31}{32}$	$\frac{1}{4}$	2.58
$\frac{5}{16}$	$\frac{5}{16}$	2.65	$\frac{7}{8}$	$6\frac{5}{16}$	$3\frac{17}{32}$	$\frac{5}{8}$	$2\frac{3}{4}$	$1\frac{11}{32}$	$\frac{5}{16}$	4.78
$\frac{3}{8}$	$\frac{3}{8}$	4.25	$1\frac{1}{32}$	$7\frac{3}{32}$	$3\frac{15}{16}$	$\frac{23}{32}$	$3\frac{11}{32}$	$1\frac{9}{16}$	$\frac{5}{16}$	7.36
$\frac{1}{2}$	$\frac{1}{2}$	6.7	$1\frac{1}{4}$	$7\frac{7}{8}$	$4\frac{11}{32}$	$\frac{7}{8}$	$4\frac{17}{32}$	$1\frac{31}{32}$	$\frac{1}{2}$	13.2

EXCEL®

COI

EXCEL®

MJ1


EXCEL® Stainless steel omega link

- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 4 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1

for chain diameter		working load limit	width	diameter pin	width	length inside	width bow	length outside	thick-ness	width outside	width outside	thick-ness	weight each
mm	inch	t	a	b	c	d	e	f	g	h	i	j	kg
5	³ / ₁₆	0.5	14	6	7	26	20	53	13	41	28	6	0.07
6	⁷ / ₃₂	0.7	14	8	7	25	20	53	13	41	28	6	0.07
7-8	¹ / ₄ - ⁵ / ₁₆	1.2	20	9	9	34	24	71	16	55	32	8	0.18
10	³ / ₈	1.6	19	13	12	40	31	82	17	63	42	11	0.28
13	¹ / ₂	2.7	25	16	15	51	40	106	20	84	54	14	0.64

EXCEL® Stainless steel connecting link

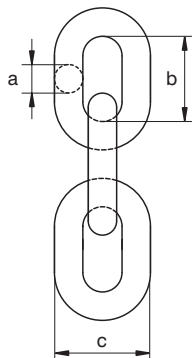
- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 4 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1

for chain diameter		working load limit	diameter	width outside	width inside	length inside	length inside	diameter eye	width inside	weight each
mm	inch	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
6	⁷ / ₃₂	0.7	8	42	11	20	52	11	15	0.09
7-8	¹ / ₄ - ⁵ / ₁₆	1.2	9	53	14	20	55	13	19	0.16
10	³ / ₈	1.6	10	66	18	23	64	18	23	0.28
13	¹ / ₂	2.7	14	83	21	32	85	24	28	0.64

INFO



CHAINI



Stainless steel lifting chain

- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 4 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MTC^b

diameter		working load limit	length inside	width outside	links per meter	length per drum	weight per mtr
a		t	b	c		m	kg
mm	inch		mm	mm			
6	7/32	0.7	18	21	55.56	100	0.78
8	5/16	1.2	24	29	41.67	100	1.3
10	3/8	1.6	30	34	33.33	100	2.14
13	1/2	2.7	39	45	25.64	100	3.64

EXCEL®

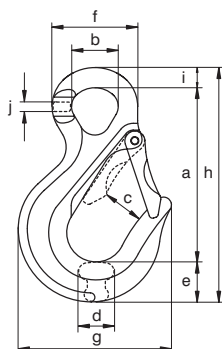
EXCEL® Stainless steel eye sling hook

- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 4 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MPI^b

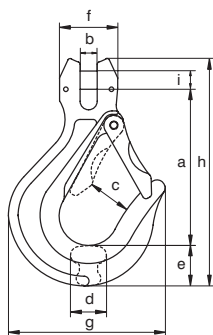
for chain diameter		working load limit	length	diameter inside eye	width opening	thick- ness	width	diameter eye outside	width outside	length	width	thick- ness	weight each
mm	inch	t	a	b	c	d	e	f	g	h	i	j	kg
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
6	7/32	0.7	84	23	26	15	20	43	72	114	10	6	0.28
7-8	1/4 - 5/16	1.2	103	26	30	20	24	51	87	139	12	8	0.56
10	3/8	1.6	128	35	33	24	29	65	106	172	15	10	1.09
13	1/2	2.7	152	41	37	32	39	77	133	209	18	12	1.98



CSOI



EXCEL®

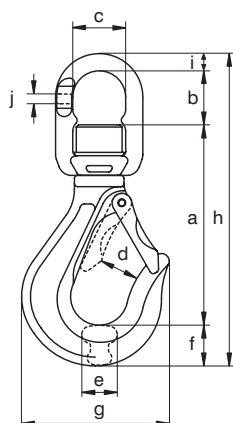
CSCI


EXCEL® Stainless steel clevis sling hook

- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 4 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MPI b

for chain diameter		working load limit	length	width	width opening	thick-ness	width	width outside	width outside	length	diameter pin	weight each
mm	inch	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	kg
5	3/16	0.5	76	7	26	15	20	28	72	108	6	0.29
6	7/32	0.7	75	7	26	15	20	28	72	108	8	0.29
7-8	1/4 - 5/16	1.2	95	9	30	20	24	32	87	136	9	0.58
10	3/8	1.6	113	12	33	24	29	42	106	164	13	1.1
13	1/2	2.7	138	15	37	32	39	54	133	208	16	1.86

EXCEL®

CSEI


EXCEL® Stainless steel swivel sling hook

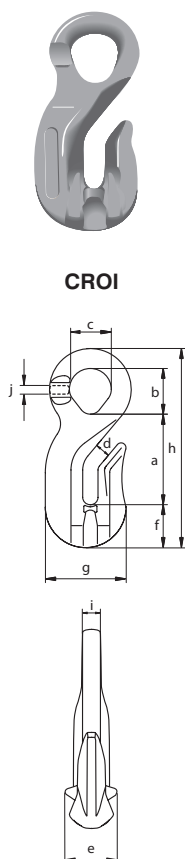
- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 4 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MPI b
- **Note** : equipped with a stainless steel washer

for chain diameter		working load limit	length	length inside	width inside	width opening	thick-ness	width	width outside	length outside	dia-meter	thick-ness	weight each
mm	inch	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg
6	7/32	0.7	100	33	32	26	15	20	72	164	12	6	0.55
7-8	1/4 - 5/16	1.2	126	40	37	30	20	24	87	200	14	8	1
10	3/8	1.6	159	47	47	33	24	29	106	250	16	11	1.9
13	1/2	2.7	189	59	58	37	32	39	133	307	21	14	3.42

EXCEL® Stainless steel Eye grab hook

- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 4 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MPI^b

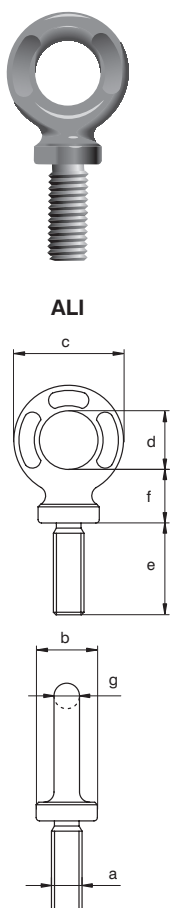
for chain diameter		working load limit	length	inside length eye	inside width eye	opening	thick-ness	width	width outside	length	width	thick-ness	weight each
mm	inch	t	a	b	c	d	e	f	g	h	i	j	kg
6	7/32	0.7	41	24	23	8	24	20	42	94	9	6	0.25
7-8	1/4 - 5/16	1.2	53	27	26	10	33	23	53	115	10	8	0.32
10	3/8	1.6	65	38	36	12	40	29	66	146	14	10	0.53
13	1/2	2.7	83	42	41	15	56	40	88	183	16	12	1.96

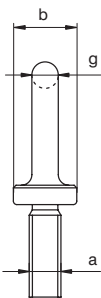
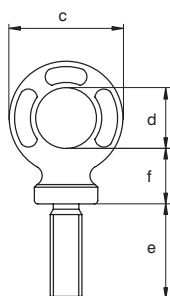
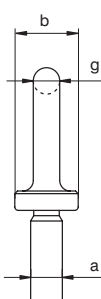
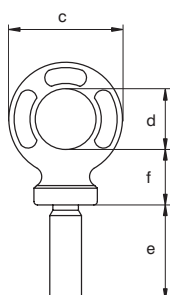


EXCEL® Stainless steel eye bolt

- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MPI^b CE

working load limit	diameter thread	diameter base	diameter eye outside	diameter eye inside	length	thickness base	diameter	weight each
t	a	b	c	d	e	f	g	kg
0.12	M 6 x 1.00	20	34	20	20	17	7	0.05
0.2	M 8 x 1.25	20	34	20	24	17	7	0.05
0.4	M10 x 1.50	20	38	22	30	19	8	0.08
0.6	M12 x 1.75	25	47	26	36	23	10	0.14
0.8	M14 x 2.00	30	57	29	40	28	14	0.26
1	M16 x 2.00	36	65	35	55	30	14	0.37
1.5	M18 x 2.50	36	65	35	55	30	14	0.49
2	M20 x 2.50	40	73	39	59	34	16	0.55
2.5	M22 x 2.50	42	82	44	64	38	19	0.78
3	M24 x 3.00	55	95	54	84	40	20	1.12



EXCEL®**ALDINI****EXCEL®****ALBI**

EXCEL® Stainless steel eye bolt length as DIN580

- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MPI^b CE

working load limit	diameter thread	diameter base	diameter eye outside	diameter eye inside	length	thickness base	diameter	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
0.2	M 8 x 1.25	20	34	20	13	17	7	0.05
0.4	M10 x 1.50	20	38	22	17	19	8	0.07
0.6	M12 x 1.75	25	47	26	21	23	10	0.13
0.8	M14 x 2.00	30	57	29	27	28	14	0.24
1	M16 x 2.00	36	65	35	27	30	14	0.34
1.5	M18 x 2.50	36	65	35	30	30	14	0.35
2	M20 x 2.50	40	73	39	30	34	16	0.52
2.5	M22 x 2.50	42	82	44	35	38	19	0.71
3	M24 x 3.00	55	95	54	36	40	20	0.98

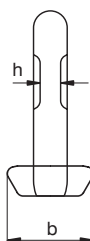
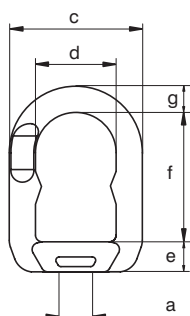
EXCEL® Stainless steel eye bolt without thread

- **Material** : AISI 316L, grade 5
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MPI^b CE
- **Note** : final WLL of product must be determined after machining

diameter	diameter base	diameter eye outside	diameter eye inside	length	thickness base	diameter	weight each
a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
12	22	34	20	24	17	7	0.07
15	24	38	22	30	19	8	0.11
16	28	47	26	36	23	10	0.17
19	34	57	29	40	28	14	0.3
22	41	65	35	55	30	14	0.48
26	45	73	39	59	34	16	0.58
29	47	82	44	64	38	19	0.95
30	58	95	54	84	40	20	1.41



ELI



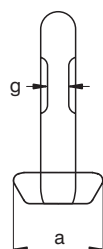
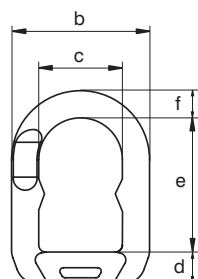
EXCEL® Stainless steel eye nut

- **Material** : AISI 316L, grade 5
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MPI b CE

working load limit	diameter thread	diameter base	width	width inside	thickness base	length inside	diameter	thickness	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg
0.12	M 6 x 1.00	31	51	30	14	44	11	6	0.15
0.2	M 8 x 1.25	31	51	30	14	44	11	6	0.15
0.4	M10 x 1.50	31	51	30	14	44	11	6	0.15
0.6	M12 x 1.75	39	56	32	15	48	12	6	0.23
0.8	M14 x 2.00	39	56	32	15	48	12	6	0.23
1	M16 x 2.00	44	65	37	17	60	14	8	0.37
1.5	M18 x 2.50	44	65	37	17	60	14	8	0.37
2	M20 x 2.50	44	65	37	17	60	14	8	0.37
2.5	M22 x 2.50	52	79	48	21	75	16	11	0.63
3	M24 x 3.00	52	79	48	21	75	16	11	0.63
3.5	M27 x 3.00	52	79	48	21	75	16	11	0.63



ELBI



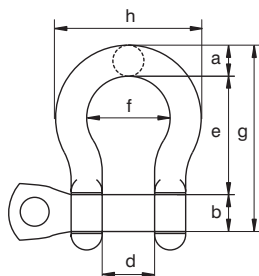
EXCEL® Stainless steel eye nut without thread

- **Material** : AISI 316L, grade 5
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 MPI b CE
- **Note** : final WLL of product must be determined after machining

diameter base	width	width inside	thickness base	length inside	diameter	thickness	weight each
a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
31	51	30	15	44	11	6	0.15
39	56	32	17	48	12	6	0.23
44	65	37	18	60	14	8	0.37
52	79	48	23	75	16	11	0.63



MLVI



Stainless steel bow shackle with screw pin

- **Material** : AISI 316, grade 5
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 CE
- **Note** : marked with WLL and CE

working load limit	diameter bow	diameter pin	diameter eye	width inside	length inside	width bow	length	width	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg
0.4	8	8	16	16	32	25	56	41	0.06
0.6	10	10	19	20	40	28	67	48	0.12
0.9	12	12	24	25	48	36	79	59	0.2
1.5	13	16	31	24	52	35	87	60	0.32
2.5	16	20	38	28	64	42	108	71	0.58
3	19	22	44	32	72	50	125	87	0.96
4	22	25	50	37	74	60	145	101	1.46
6	25	30	57	40	94	67	157	115	2.09

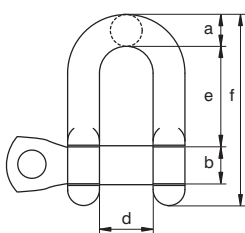
Stainless steel dee shackle with screw pin

- **Material** : AISI 316, grade 5
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 CE
- **Note** : marked with WLL and CE

working load limit	diameter bow	diameter pin	diameter eye	width inside	length inside	length	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	kg
0.4	8	8	16	16	32	52	0.06
0.6	10	10	19	20	40	64	0.11
0.9	12	12	24	25	48	78	0.19
1.5	13	16	31	24	52	90	0.3
2.5	16	20	38	28	64	110	0.57
3	19	22	44	32	72	124	0.9
4	22	25	50	37	74	134	1.33
6	25	30	57	40	94	162	1.98

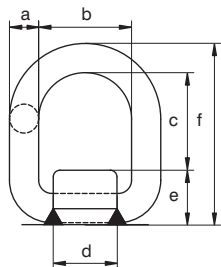


MDVI





PASI



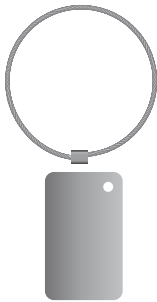
Stainless steel weld-on transport ring

- **Material** : AISI 316, grade 5
- **Safety factor** : MBL equals 4 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 CE
- **Note** : regarding the selection of welding material, respecting parent and PASI materials, please refer to EN 3581 for manual metal arc welding and to EN ISO 14343 for arc welding

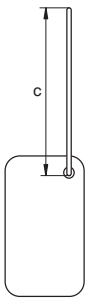
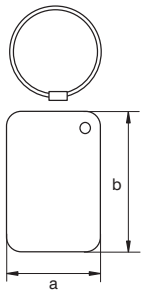
working load limit	diameter	width inside	length inside	length base	height base	length	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	kg
0.75	13	40	42	35	28	83	0.4
1.25	18	45	48	42	33	99	0.8
3.2	22	55	57	49	42	121	1.4
5	26	70	67	64	50	143	2.5

INFO

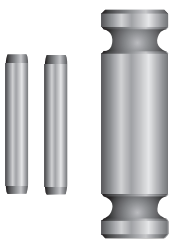
EXCEL®



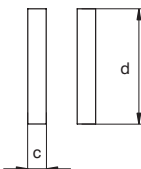
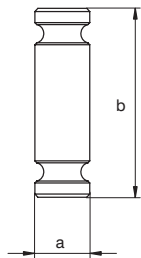
TAGI



EXCEL®



ACI



EXCEL® Stainless steel identification tag

- Material : AISI 316, grade 5
- Finish : polished
- Certification : 2.1

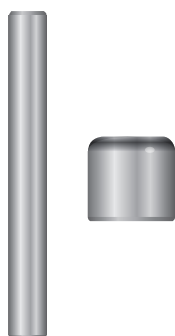
width	length	length	weight each
a	b	c	
mm	mm	mm	kg
50	80	305	0.07

EXCEL® Stainless steel spare kit for clevis fittings

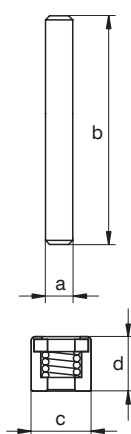
- Material : AISI 316L, grade 5
- Finish : polished
- Certification : 2.1 3.1

partnumber	diameter pin	length pin	diameter pin	length pin	weight each
	a	b	c	d	kg
	mm	mm	mm	mm	
AC5I	6	28	3	14	0.01
AC6I	8	28	3	14	0.01
AC7/8I	9	32	3	22	0.02
AC10I	13	41	4	24	0.04
AC13I	16	53	4	32	0.08

partnumber	for fitting	
	COI	CSCI
AC5I	CO5I	CSC5I
AC6I	CO6I	CSC6I
AC7/8I	CO7/8I	CSC7/8I
AC10I	CO10I	CSC10I
AC13I	CO13I	CSC13I



RMJI

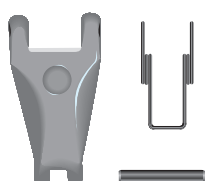


EXCEL® Spare kit for connecting link, stainless steel

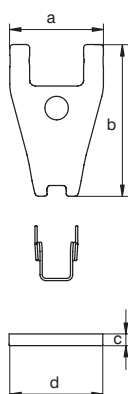
- Material : AISI 316L, grade 5
- Finish : polished
- Certification : 2.1 3.1

partnumber	diameter pin	length pin	diameter	width	weight each
	a	b	c	d	kg
	mm	mm	mm	mm	
RMJ6I	5	43	11	10	0.01
RMJ7/8I	6	54	13	14	0.02
RMJ10I	8	66	15	18	0.02
RMJ13I	10	84	20	21	0.08

partnumber	for fitting
	MJI
RMJ6I	MJ6I
RMJ7/8I	MJ7/8I
RMJ10I	MJ10I
RMJ13I	MJ13I



LF1



EXCEL® Stainless steel forged latch

- Material : AISI 316L, grade 5
- Finish : polished
- Certification : 2.1

partnumber	width	length	diameter pin	length pin	weight each
	a	b	c	d	kg
	mm	mm	mm	mm	
LF0I	24	44	4	24	0.04
LF1I	31	59	5	30	0.05
LF2I	41	65	5	40	0.1
LF3I	41	79	6	40	0.2

for fitting		
CSOI	CSCI	CSEI
CSO6I	CSC5I	CSE6I
	CSC6I	
CSO7/8I	CSC7/8I	CSE7/8I
CSO10I	CSC10I	CSE10I
CSO13I	CSC13I	CSE13I