



Applications

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

Range

Van Beest offers a wide range of stainless steel items like shackles, thimbles, wire rope clips, eye bolts, rigging screws etc.

Van Beest can also offer other stainless steel chain fittings. Please refer to the EXCEL[®] section in this catalogue for more information.

Design

Stainless steel items supplied by Van Beest are all manufactured from stainless steel quality AISI 316, except for product groups R-7856, R-7850, R-7852 and R-7854 which are manufactured from AISI 304.

Most stainless steel items have an equivalent in a regular steel quality, we refer to the specific chapters for further details.

Finish

All stainless steel items are polished.

Instructions for use

We refer to the previous product chapters in this catalogue for details on use of a specific item.

In general, items should be inspected before use to ensure that:

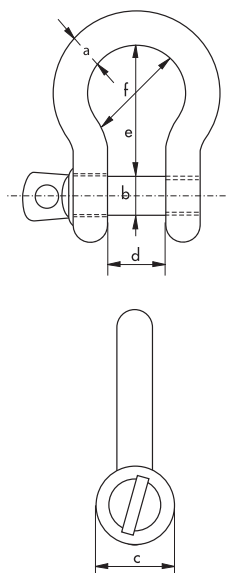
- all markings are legible;
- the pin, nut, cotter pin, or any other locking system cannot vibrate out of position;
- the item is free from nicks, gouges and cracks;
- never modify, repair or reshape an item by machining, welding, heating or bending as this may affect the strength.

Stainless steel products must be 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 should take place at least every six months and more frequently when the products are used in severe operating conditions.



R-7825



Shackles

bow shackles with screw pin

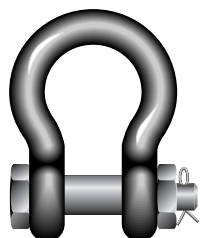
- **Material** : AISI 316
- **Safety factor** : MBL equals 6 x WLL
- **Standard** : generally to DIN 82103
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 CE
- **Note** : marked with WLL, CE and manufacturer identification symbol (VBS), except for 4 mm as it is too small

working load limit	diameter bow	diameter pin	diameter eye	width inside	length inside	width bow	weight per 100 pcs
t	a mm	b mm	c mm	d mm	e mm	f mm	kg
-	4	4	8	8	16	12	1.2
0.12	5	5	10	10	20	15	1.8
0.15	6	6	12	12	24	18	2.7
0.3	8	8	16	16	32	24	6.3
0.4	10	10	20	20	40	30	12.3
0.6	12	12	24	24	48	36	20.5
1	16	16	32	32	64	48	48
1.5	20	20	40	40	80	60	97
2	22	22	44	44	88	66	146
3	25	25	50	50	100	75	211
3.6	28	28	54	56	116	86	285

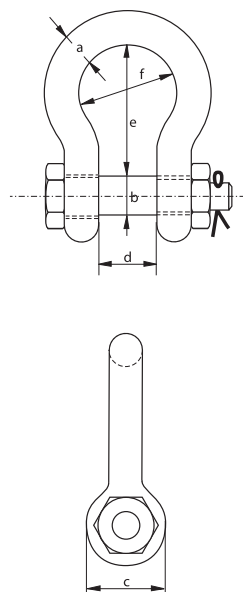
Shackles

bow shackles with safety bolt

- **Material** : AISI 316
- **Safety factor** : MBL equals 6 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 CE
- **Note** : marked with WLL, CE, traceability code and manufacturer identification symbol (VBS)



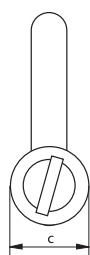
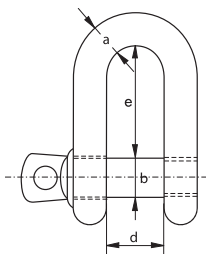
R-7827



working load limit	diameter bow	diameter pin	diameter eye	width inside	length inside	width bow	weight per 100 pcs
t	a mm	b mm	c mm	d mm	e mm	f mm	kg
0.3	8	8	16	16	32	24	7.4
0.4	10	10	19	20	40	30	14.5
0.6	12	12	24	25	49	36	23
1	16	16	31	32	64	48	56.6
1.5	19	19	38	38	80	60	99.5
2	22	22	43	44	85	66	146
3	25	25	49	50	100	75	218



R-7821



Shackles

dee shackles with screw pin

- **Material** : AISI 316
- **Safety factor** : MBL equals 6 x WLL
- **Standard** : generally to DIN 82102
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 CE
- **Note** : marked with WLL, CE and manufacturer identification symbol (VBS), except for 4 mm as it is too small

working load limit	diameter bow	diameter pin	diameter eye	width inside	length inside	weight per 100 pcs
t	a mm	b mm	c mm	d mm	e mm	kg
-	4	4	8	8	16	0.9
0.12	5	5	10	10	20	1.6
0.15	6	6	12	12	24	2.6
0.3	8	8	16	16	32	5.6
0.4	10	10	20	20	40	13
0.6	12	12	24	24	48	20
1	16	16	32	32	64	48
1.5	20	20	40	40	80	78
2	22	22	44	44	88	127
3	25	25	50	50	100	184
3.6	28	28	54	56	106	250

Shackles

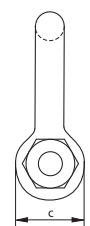
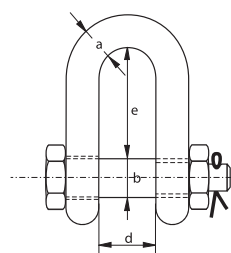
dee shackles with safety bolt

- **Material** : AISI 316
- **Safety factor** : MBL equals 6 x WLL
- **Finish** : polished
- **Certification** : 2.1 2.2 3.1 CE
- **Note** : marked with WLL, CE, traceability code and manufacturer identification symbol (VBS)

working load limit	diameter bow	diameter pin	diameter eye	width inside	length inside	weight per 100 pcs
t	a mm	b mm	c mm	d mm	e mm	kg
0.3	8	8	16	16	32	7.1
0.4	10	10	19	20	40	14
0.6	12	12	24	25	48	23.6
1	16	16	31	32	64	54.5
1.5	19	19	38	38	76	96
2	22	22	43	44	85	142
3	25	25	49	50	95	209

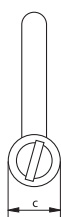
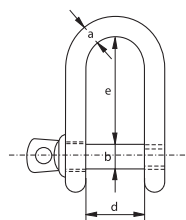


R-7823





R-7829



Shackles

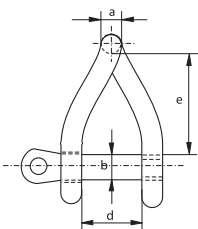
long dee type

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter bow	diameter pin	diameter eye	width inside	length inside	weight per 100 pcs
a mm	b mm	c mm	d mm	e mm	kg
4	4	8	8	30	1
5	5	10	10	37	2
6	6	12	12	45	4
8	8	16	16	60	9
10	10	20	20	75	20
12	12	24	24	90	32



R-7822



Shackles

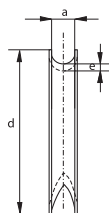
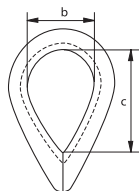
short twisted type

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter bow	diameter pin	diameter eye	width inside	length inside	weight per 100 pcs
a mm	b mm	c mm	d mm	e mm	kg
5	5	10	10	36	2
6	6	12	12	42	4
8	8	16	16	56	9
10	9.5	19	20	60	11
12	12	24	24	72	32



R-7860



Thimbles

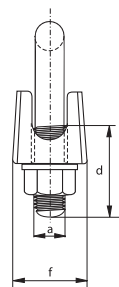
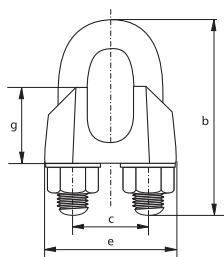
heavy type

- Material : AISI 316
- Finish : polished
- Certification : 2.1

width groove	width inside	length inside	length	thickness	weight per 100 pcs
a mm	b mm	c mm	d mm	e mm	kg
2	9	15	23	1	0.2
2.5	9.5	15.7	24	1	0.2
3	10	16	25	1	0.3
4	11	17	28	1	0.5
5	13	20	32	1	0.5
6	16	25	39	1.2	0.8
7	18	28	40	1.2	1
8	20	32	49	1.4	1.2
10	26	40	55	1.9	3.4
12	28	45	70	2	4.5
14	34	56	80	2.2	7.3
16	37	62	85	2.5	12.2
18	42	65	95	2.5	15.1
20	45	78	115	3	19
22	50	88	125	3	22.3
24	58	96	135	4	40.5
26	66	105	140	4	49.7



R-7863



Wire rope clips

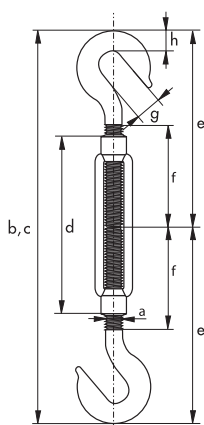
generally to DIN 741

- Material : Bridge : AISI 316
Nuts : AISI 316
U-bolt: AISI 316
- Standard : formerly DIN 741
- Finish : polished
- Certification : 2.1

diameter wire rope	diameter	length bow	width inside	length thread	length base	thickness base	height base	weight per 100 pcs
a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg
3	4	20	9	12	21	10	10	1.4
4	4	22	9	12	21	10	10	1.4
5	5	24	11	13	23	11	10	1.5
6	5	28	13	15	26	12	11	2.1
8	6	34	16	19	30	14	15	3.5
10	8	42	19	22	34	18	17	6.1
13	10	55	24	30	42	23	21	13
16	12	63	29	33	50	26	26	21
19	12	75	32	38	54	29	30	26
22	14	85	37	44	61	33	34	40
26	14	95	41	45	65	35	37	44



R-7837



Open body rigging screws

Hook - Hook

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter thread	length closed position	length open position	length body	length	length	opening hook	thickness	weight each
a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg
M 5	120	170	70	58	33	8	5	0.04
M 6	150	210	90	73	43	9	6	0.08
M 8	200	290	120	98	56	11	8	0.16
M 10	240	355	150	117	71	12	9	0.27
M 12	310	470	200	157	95	14	11	0.51
M 16	390	590	250	186	116	16	15	1.2
M 20	440	675	300	214	139	18	19	1.9

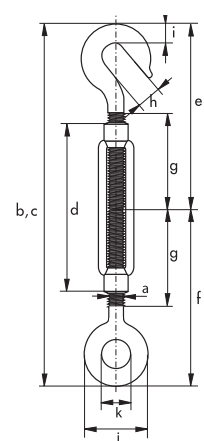
Open body rigging screws

Hook - Eye

- Material : AISI 316
- Finish : polished
- Certification : 2.1



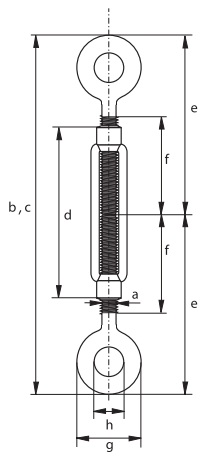
R-7838



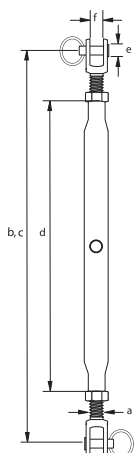
diameter thread	length closed position	length open position	length body	length	length	length	opening hook	thickness	diameter eye outside	diameter eye inside	weight each
a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	kg
M 5	120	170	70	58	56	33	8	5	17	8	0.04
M 6	150	210	90	73	71	43	9	6	21	10	0.08
M 8	200	290	120	98	95	56	11	8	28	14	0.16
M 10	240	355	150	117	118	71	12	9	34	16	0.27
M 12	310	470	200	157	154	95	14	11	40	18	0.51
M 16	390	590	250	186	190	116	16	15	54	26	1.2
M 20	440	675	300	214	220	139	18	19	64	30	1.9



R-7839



R-7830



Open body rigging screws

Eye - Eye

- Material : AISI 316
- Finish : polished
- Certification : 2.1

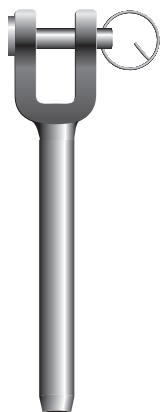
diameter thread	length closed position	length open position	length body	length	length	diameter eye outside	diameter eye inside	weight each
a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg
M 5	120	170	70	56	33	17	8	0.04
M 6	150	210	90	71	43	21	10	0.08
M 8	200	290	120	95	56	28	14	0.16
M 10	240	355	150	118	71	34	16	0.27
M 12	310	470	200	154	95	40	18	0.51
M 16	390	590	250	190	116	54	26	1.2
M 20	440	675	300	220	139	64	30	1.9

Closed body rigging screws

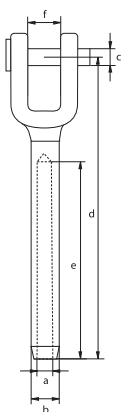
Jaw - Jaw

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter thread	length open	length closed	length body	diameter pin	width jaw inside	weight per 100 pcs
a mm	b mm	c mm	d mm	e mm	f mm	kg
M 5	190	125	80	5.2	6	6.5
M 6	210	155	95	6.2	7.5	8.1
M 8	240	180	105	8.7	10	15.9
M 10	270	220	125	9.7	12	29.9
M 12	360	255	150	12.7	14	53.2
M 14	385	270	165	12.7	14	64
M 16	450	320	190	16	16	116
M 20	450	355	210	19	20	145



R-7834



Fork terminals swage type

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter wire rope	diameter inside	diameter outside	diameter pin	length	length inside	width jaw	weight per 100 pcs
mm	a	b	c	d	e	f	kg
3	3.3	6.3	5.2	65	32	7.5	2.3
4	4.3	7.5	6.2	77	40	10	4.9
5	5.3	9	8.7	88	57	12	7.2
6	6.6	12.5	9.7	106	63	14	13.9
7	7.5	14.2	12.6	116	70	14.5	18.1
8	8.3	16	14.6	145	85	16	21.6
9.5	10	17	16.5	150	87	17	48
10	10.5	17.8	16.5	150	89	17	52
12	12.5	20	19	204	105	25	67

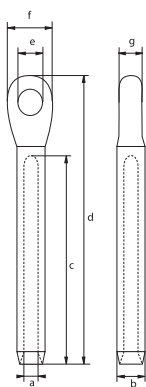
Eye terminals swage type

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter wire rope	diameter inside	diameter outside	length inside	length	diameter eye inside	diameter eye outside	thickness eye	weight per 100 pcs
mm	a	b	c	d	e	f	g	kg
3	3.3	6.5	36	62	8	14	4	1.3
4	4.3	7.5	39	71	10	19	6	2.3
5	5.3	9	50	88	12	23	7	4
6	6.3	12.5	62	104	12.5	28	8	8.8
8	8.3	16	85	126	14.5	32	10	15.4
10	10.3	17.5	90	150	16.4	36	12	22.8

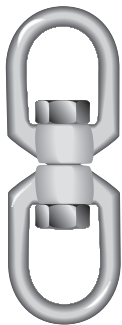
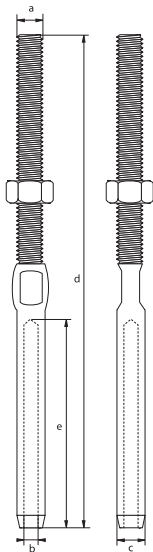


R-7835

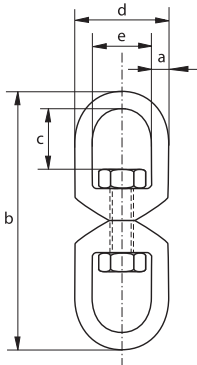




R-7836



R-7877



Threaded terminals

swage type

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter wire rope	thread	diameter inside	diameter outside	length	length inside	weight per 100 pcs
mm	a mm	b mm	c mm	d mm	e mm	kg
3	M 6	3.3	6.3	100	39	2.7
4	M 8	4.3	7.5	117	45	5.4
5	M 10	5.3	9	130	51	7.8
6	M 12	6.3	12	162	64	15.1
8	M 16	8.3	16	195	76	23.2
10	M 20	10.3	18	230	89	59

Swivels

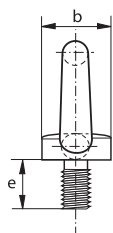
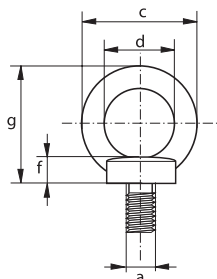
Eye - Eye

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter	length	length inside	width outside	width inside	weight per 100 pcs
a mm	b mm	c mm	d mm	e mm	kg
5	60	13	23	13	3.4
6	65	15	26	15	5.1
8	90	22	35	20	13.1
10	115	27	44	24	26
13	154	35	57	32	58
16	188	45	71	39	105
19	229	50	84	41	220



R-7840



Eye bolts

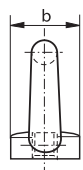
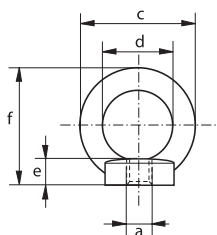
generally to DIN 580

- Material : AISI 316
- Standard : generally to DIN 580
- Finish : polished
- Certification : 2.1

diameter thread	diameter base	diameter eye outside	diameter eye inside	length thread	thickness base	height	weight per 100 pcs
a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
M 6	20	36	20	13	6	36	3
M 8	20	36	20	13	6	36	6
M 10	25	45	25	17	8	45	10.3
M 12	30	54	30	20.5	10	53	17.7
M 16	35	63	35	27	12	62	28
M 20	40	72	40	30	14	71	45
M 24	50	90	50	36	18	90	74



R-7842

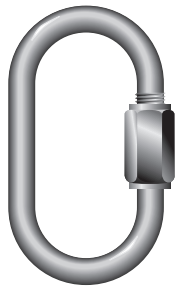


Eye nuts

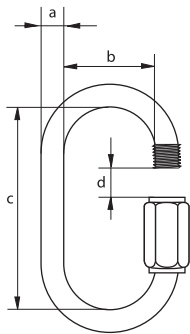
generally to DIN 582

- Material : AISI 316
- Standard : generally to DIN 582
- Finish : polished
- Certification : 2.1

diameter thread	diameter base	diameter eye outside	diameter eye inside	thickness base	height	weight per 100 pcs
a mm	b mm	c mm	d mm	e mm	f mm	kg
M 6	20	36	20	8.5	36	4.2
M 8	20	36	20	8.5	36	5.2
M 10	25	45	25	10	45	9.4
M 12	30	54	30	11	53	14.8
M 16	35	63	35	13	62	23.7



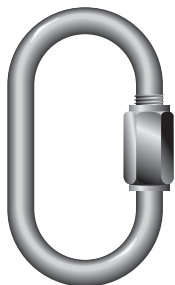
R-7873



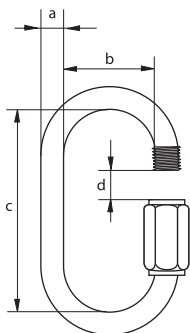
Quick links
standard type

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter	width inside	length inside	opening	minimum breaking load	weight per 100 pcs
a mm	b mm	c mm	d mm	kg	kg
3.5	10	29	5	155	0.9
4	12	32	5.5	450	1.2
5	13	39	6.5	585	2
6	14	46	7.5	790	3.3
7	16	51	8.5	1085	5.3
8	17	59	10.5	1380	7.5
9	17	64	11.5	1790	10.3
10	20	70	12.5	2085	13.7
12	23	83	14.5	2265	22.5



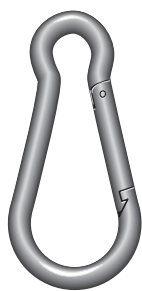
R-7874



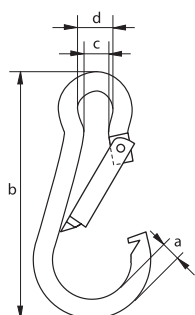
Quick links
with enlarged opening

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter	width inside	length inside	opening	minimum breaking load	weight per 100 pcs
a mm	b mm	c mm	d mm	kg	kg
3.5	10	40	10	155	1.2
5	14	52	14	585	2.6
6	16	60	16	790	4
8	18	74	18	1380	9.1
10	20	85	20	2085	15.9
12	23	98	23	2265	30.4
14	27	116	26	2540	40.2



R-7872



Carabine hooks

standard type

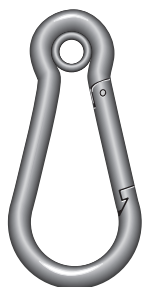
- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter	length	width inside	width inside	minimum breaking load	weight per 100 pcs
a mm	b mm	c mm	d mm	kg	kg
4	40	5	7	70	0.8
5	50	7	8	110	1.5
6	60	7	9	132	2.6
7	70	9	10	198	2.6
8	80	11	12	330	4.4
9	90	11	12	363	6.4
10	100	12	15	506	12.2
11	120	14	18	660	12.5
12	140	16	20	748	25
13	160	20	22	880	35
14	180	20	22	946	35

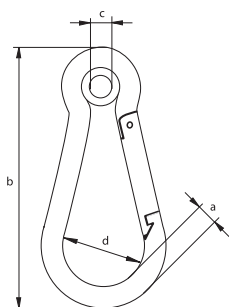
Carabine hooks

with pressed thimble

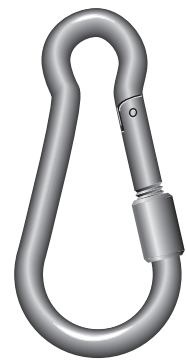
- Material : AISI 316
- Finish : polished
- Certification : 2.1



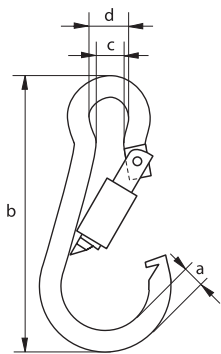
R-7875



diameter	length	diameter inside thimble	width	minimum breaking load	weight per 100 pcs
a mm	b mm	c mm	d mm	kg	kg
4	40	5	14	70	0.9
5	50	5	16	110	1.6
6	60	5	18	132	2.8
7	70	7	22	198	4.4
8	80	10	24	330	6.4
9	90	10	26	363	9.3
10	100	13	30	506	12.5
11	120	13	36	660	18.7
12	140	15	40	748	25
13	160	17	44	880	35
14	180	17	48	946	50



R-7876

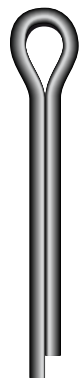


Carabine hooks

with screw nut

- Material : AISI 316
- Finish : polished
- Certification : 2.1

diameter	length	width inside	width inside	minimum breaking load	weight per 100 pcs
a mm	b mm	c mm	d mm	kg	kg
4	40	5	7	70	0.8
5	50	7	8	110	1.7
6	60	7	9	132	2.6
7	70	9	10	198	4.4
8	80	11	12	330	6.4
9	90	11	12	363	9.3
10	100	12	15	506	12.7
11	120	14	18	660	19.5
12	140	16	20	748	25
13	160	20	22	880	35
14	180	20	22	946	50



R-7856



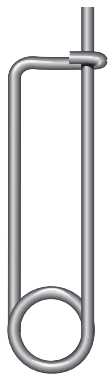
Split pins

standard type

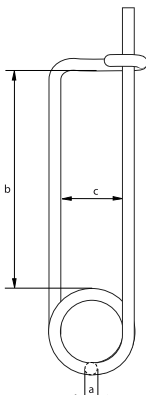
- Material : AISI 304
- Finish : polished
- Certification : 2.1

diameter	length	weight per 100 pcs
a	b	kg
mm	mm	
2.5	20	0.08
4	32	0.3
5	36	0.6
6	45	1.2
8	63	2.8
8	80	4.4
10	71	5
10	90	6
10	100	6.6
10	120	4.4
12	140	7
12	160	7
12	180	7
13	110	12.1
16	160	16

Split pin	for shackle										
	G-4163	G-4153	P-6036	G-6038	P-6033	G-5263	G-5163	P-6031	G-4263	R-7827	R-7823
a x b	WLL	WLL	WLL	WLL	WLL	WLL	WLL	WLL	WLL	WLL	WLL
mm	t	t	t	t	t	t	t	t	t	t	t
2.5 x 20	0.5										
	0.75									0.4	0.4
	1									0.6	0.6
	1.5										
4 x 32	2	2				3.3	2			1	1
	3.25	3.25				5	3.25			1.5	1.5
5 x 36	4.75	4.75			7	7	4.75		4.75	2	2
	6.5	6.5				9.5	6.5			3	3
6 x 45	8.5	8.5			12.5	12.5	8.5		6.5		
	9.5	9.5			18	15	9.5		8.5		
	12	12				18	12		9.5		
8 x 63	13.5	13.5				21	13.5		12		
	17	17				30	17		16		
8 x 80					30						
					40						
10 x 71	25	25				40	25		25		
	35	35				55	35		30		
10 x 90	42.5	42.5				85	42.5		55		
	55	55					55				
10 x 100	85	85			55	120	85		75		
					75						
10 x 120					125						
12 x 140					150						
					200						
12 x 160					250						
12 x 180					300						
13 x 110			120	120		150		120			
			150			175		150			
16 x 160			200					200			
			250					250			
			300					300			



R-7850



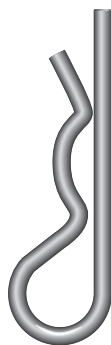
Safety pins
double type

- Material : AISI 304
- Finish : polished
- Certification : 2.1

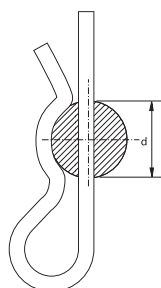
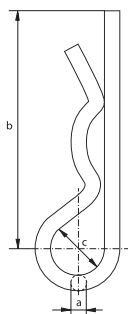
diameter	length inside	width inside	weight per 100 pcs
a	b	c	
mm	mm	mm	kg
2	38	16	0.5
3	53	20	1.8
4	59	21	3.9
5	95	22	6.9
6	114	38	12.5

Safety pin	for shackle					
	G-4163	G-4153	P-6033	G-5263	G-5163	G-4263
diameter	WLL	WLL	WLL	WLL	WLL	WLL
mm	t	t	t	t	t	t
2	4.75	4.75	7	7	4.75	4.75
	6.5	6.5		9.5	6.5	6.5
3	8.5	8.5	12.5	12.5	8.5	8.5
	9.5	9.5		15	9.5	9.5
	12	12		18	12	12
4	13.5	13.5	30	21	13.5	16
	17	17		30	17	25
	25	25		40	25	
5	35	35	40	55	35	30
	42.5	42.5			42.5	
6	55	55	75	85	55	65
	85	85			85	75





R-7852



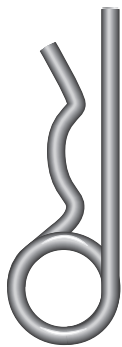
Spring pins

single type

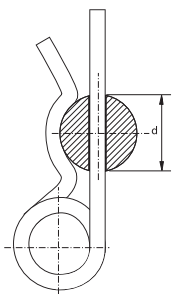
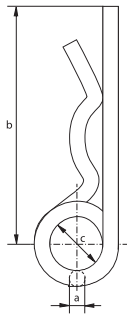
- Material : AISI 304
- Finish : polished
- Certification : 2.1

diameter	length	diameter	diameter	weight per 100 pcs
a	b	c	d	kg
mm	mm	mm	mm	
2	50	10	9 - 14	0.3
3	60	18	10 - 16	0.9
4	60	20	16 - 20	1.6
5	85	24	20 - 28	3.3
6	105	30	28 - 40	6.2
7	105	30	28 - 45	8.3
8	110	28	30 - 45	10.5

Spring pin	for shackle					
	G-4163	G-4153	P-6033	G-5263	G-5163	G-4263
diameter	WLL	WLL	WLL	WLL	WLL	WLL
mm	t	t	t	t	t	t
2	2	2		3.3	2	
3	3.25	3.25		5	3.25	
4	4.75 6.5	4.75 6.5	7	7 9.5	4.75 6.5	4.75
5	8.5 9.5 12	8.5 9.5 12	12.5 18	12.5 15 18	8.5 9.5 12	6.5 8.5 9.5
6	13.5 17	13.5 17		21 30	13.5 17	12 16
7	25	25	30 40	40	25	25



R-7854

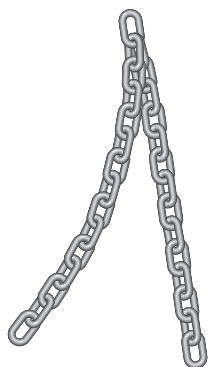


Spring pins
double type

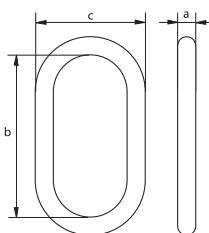
- Material : AISI 304
- Finish : polished
- Certification : 2.1

diameter	length	diameter	diameter	weight per 100 pcs
a	b	c	d	kg
mm	mm	mm	mm	
2	50	10	8 - 14	0.4
3	62	16	14 - 20	1.4
4	78	23	17 - 24	3
5	92	26	18 - 30	5.3
6	120	30	24 - 36	9.6
7	130	30	24 - 40	13.5
8	130	30	24 - 45	17.8

Spring pin	for shackle							
	G-4163	G-4153	P-6033	G-5263	G-5163	G-4263	P-5363	P-5365
diameter	WLL	WLL	WLL	WLL	WLL	WLL	WLL	WLL
mm	t	t	t	t	t	t	t	t
2	2	2		3.3	2			6.5
3	3.25	3.25		5	3.25			9.5 ~ 120
4	4.75	4.75	7	7	4.75	4.75	6.5	
	6.5	6.5		9.5	6.5			
	8.5	8.5		12.5	8.5			
5	9.5	9.5	12.5	15	9.5	6.5	9.5	150 ~120
	12	12	18	18	12	8.5	12	
						9.5		
6	13.5	13.5		21	13.5	12	17	
	17	17		30	17	16		
8	25	25	30	40	25	25	25	
			40					



R-7880



Short link chain

generally to DIN 766 and DIN 5685-3

- Material : AISI 316
- Standard : generally to DIN 766 and DIN 5685-3
- Certification : 2.1

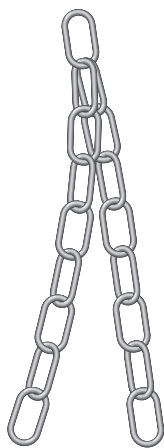
diameter	length inside	width outside	weight per m
a mm	b mm	c mm	kg
3	16	11	0.17
4	16	14	0.32
5	18.5	17	0.5
6	18.5	20	0.75
8	24	26	1.35
10	28	34	2.25

Long link chain

generally to DIN 763 and DIN 5685-1

- Material : AISI 316
- Standard : generally to DIN 763 and DIN 5685-1
- Certification : 2.1

diameter	length inside	width outside	weight per m
a mm	b mm	c mm	kg
3	26	12	0.14
4	32	16	0.27
5	36	20	0.43
6	42	24	0.63
7	48	28	0.86
8	54	32	1.1
10	66	40	1.75



R-7890

