

Kapitel 1

Chapter 1

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivel



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

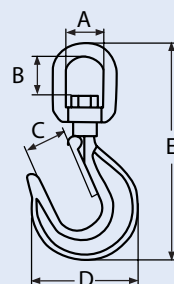
1

8971

Trailerhaken mit Wirbel / A4-AISI 316

Trailer hook with swivel / Croc de palau à gachette

Bestell-Nr. Order no.	A	B	C	D	E	BL/Kg	Box	*€/Stück *€/piece
8971428	28	27	18	69	147	2000	1	20,00
8971436	36	36	33	97	193	3700	1	38,50

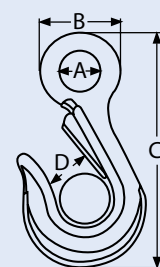


8287

Trailerhaken / A4-AISI 316

Trailer hook / Croc de palan

Bestell-Nr. Order no.	A	B	C	D	BL/Kg	Box	*€/Stück *€/piece
8287419	19	33,5	100	20,5	1500	5	6,30
8287428	28	44,5	115	23	1800	5	8,50

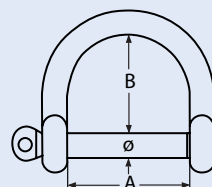


8969

Rundschäkel, weite Form / A4-AISI 316

D-shackle, wide / Manille droite

Bestell-Nr. Order no.	Ø	A	B	BL/Kg	Box	*€/Stück *€/piece
8969405	5	25	20	750	10	2,00
8969406	6	24	33	1350	10	2,70
8969408	8	26	31	2500	10	4,10
8969410	10	41	55	3350	5	7,20
8969412	12	50	66	4000	5	9,10

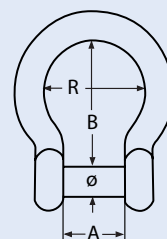


8970

Rundschäkel geschmiedete Form mit Innensechskant / A4-AISI 316

Anchor shackle with hexagon socket / Manille droite forgée avec vis 6 pans creux

Bestell-Nr. Order no.	Ø	A	B	R	BL/Kg	Box	*€/Stück *€/piece
8970405	5	11	25	17	1200	10	2,50
8970406	6	12	30	21	1700	10	2,60
8970408	8	16	44	28	2500	10	4,50
8970410	10	21	49	34	4300	5	6,70
8970412	12	25	57	42	6200	5	10,80
8970416	16	31	80	56	7000	5	23,00
8970419	19	36	96	66	14000	1	34,20



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

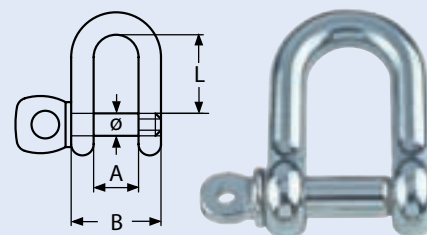
Manilles, mousquetons, emerillons

8258

Rundschäkel, kurze Form / A4-AISI 316

Straight D-shackle, short / Manille droite, type court

Bestell-Nr. Order no.	Ø	A	B	L	BL/Kg	Box	*€/Stück *€/piece
8258404	4	8	16	14	700	20	1,30
8258405	5	10	20	14,5	1000	20	1,40
8258406	6	12	24	21	1500	20	1,70
8258407	7	14	28	23,5	2200	10	2,40
8258408	8	16	32	28	3000	10	2,80
8258410	10	20	40	36	4500	10	4,70
8258412	12	24	48	44	7000	5	7,50
8258413	13	26	52	46,5	9000	5	11,00
8258416	16	32	64	56	10000	5	16,80
8258419	19	35	76	65,5	16000	1	29,90
8258422	22	44	88	74	20000	1	43,50
8258425	25	50	100	85,5	24000	1	55,10
8258432	32	64	128	118	31000	1	155,00

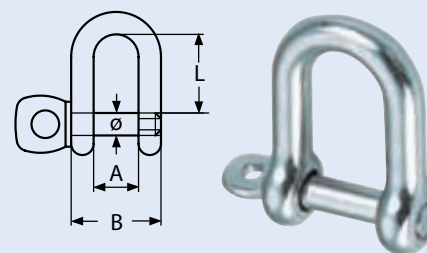


8326

Rundschäkel mit unverlierbarem Bolzen / A4-AISI 316

Straight D-shackle with captive pin / Manille droite axe imperdable

Bestell-Nr. Order no.	Ø	A	B	L	BL/Kg	Box	*€/Stück *€/piece
8326405	5	10	20	16,5	1100	10	2,40
8326406	6	12	24	21	1600	10	2,70
8326408	8	16	32	28	3200	10	3,50
8326410	10	20	40	34	4900	5	5,30
8326412	12	24	48	36	6600	5	8,00

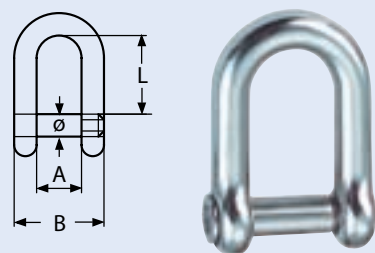


8482

Rundschäkel mit Innensechskant / A4-AISI 316

Straight D-shackle with hexagon socket / Manille droite avec vis six pans creux

Bestell-Nr. Order no.	Ø	A	B	L	BL/Kg	Box	*€/Stück *€/piece
8482405	5	10	20	16,5	1000	10	2,40
8482406	6	12	24	18	1500	10	3,50
8482408	8	16	32	28	2200	10	4,10
8482410	10	20	40	35	3700	5	6,60
8482412	12	24	48	45	5400	5	9,90
8482414	14	28	56	49	6500	5	11,70
8482416	16	32	64	52	8800	5	13,50
8482419	19	38	76	63,5	16000	1	26,50
8482422	22	44	88	76	19000	1	44,50

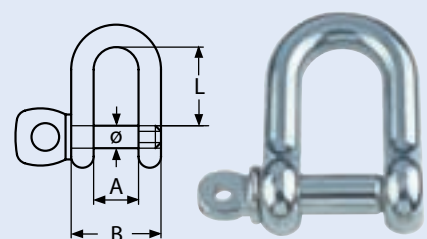


8746

Rundschäkel, geschmiedet / A4-AISI 316

Straight D-shackle, forged / Manille droite forgée

Bestell-Nr. Order no.	Ø	A	B	L	BL/Kg	Box	*€/Stück *€/piece
8746404	4	8	16	15	1080	10	1,70
8746405	5	10	20	17,5	1550	10	1,80
8746406	6	12	24	21	1860	10	2,20
8746408	8	16	32	29	4380	10	3,10
8746410	10	20	40	35	5800	5	5,10
8746412	12	24	48	43	8100	5	7,80



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

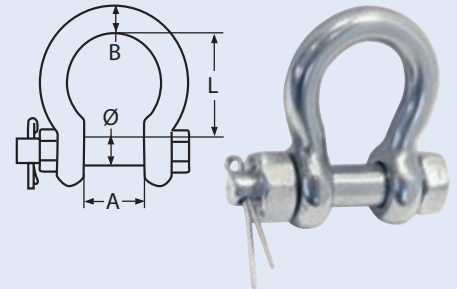
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814068

Rundschäkel mit Sicherungsbolzen, geschmiedet / A4-AISI 316

Bow shackle with fastening bolt, forged / Manille lyre forgée avec boulon de sécurité

Bestell-Nr. Order no.	Ø	B	A	L	BL/Kg	Box	*€/Stück *€/piece
8140684048	6,4	5	9,7	22	1320	10	2,10
8140684064	8	6	12	29	2000	10	3,10
814068408	9,5	8	13,5	31	3000	10	4,40
8140684095	11	10	17	36	4000	5	7,30
8140684127	16	12	21	48	8000	5	15,50
814068416	19	16	27	60	12000	5	26,50
814068419	22	20	32	71	16000	1	50,30
814068422	25	22	36	84	20000	1	62,80



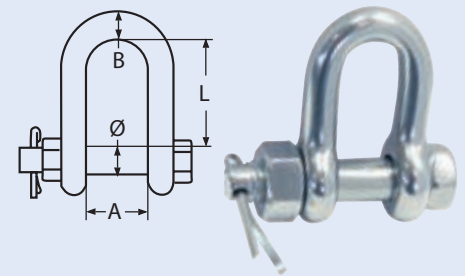
Besonders geeignet als Ankerschäkel - Suited as anchor shackle - Convient particulièrement comme manille d'ancre

814069

Rundschäkel mit Sicherungsbolzen, geschmiedet / A4-AISI 316

D-shackle with fastening bolt, forged / Manille droite forgée avec boulon de sécurité

Bestell-Nr. Order no.	Ø	B	A	L	BL/Kg	Box	*€/Stück *€/piece
8140694048	6,4	5	9,7	19	1320	10	2,00
8140694064	8	6	12	22	2000	10	2,60
814069408	9,5	8	13,5	26	3000	10	4,50
8140694095	11	10	17	32	4000	5	7,00
8140694127	16	12	21	41	8000	5	15,00
814069416	19	16	27	51	12000	5	27,50
814069419	22	20	32	60	16000	1	41,50
814069422	25	22	36	71	20000	1	65,50



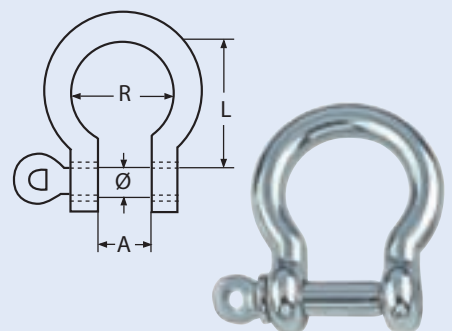
Besonders geeignet als Ankerschäkel - Suited as anchor shackle - Convient particulièrement comme manille d'ancre

8260

Rundschäkel, geschweifte Form / A4-AISI 316

Bow shackle / Manille lyre

Bestell-Nr. Order no.	Ø	A	R	L	BL/Kg	Box	*€/Stück *€/piece
8260404	4	8	14	14	800	20	1,50
8260405	5	10	17	17,5	1200	20	1,80
8260406	6	12	21	21	1900	20	2,00
8260408	8	16	28	28	2800	10	2,60
8260410	10	20	34	35	4300	10	4,50
8260412	12	24	42	42	6500	5	5,80
8260413	13	26	45	39	7500	5	14,00
8260416	16	32	56	56	12000	5	15,00
8260419	19	38	66	78,5	18200	1	33,10
8260422	22	44	77	77	21000	1	58,80

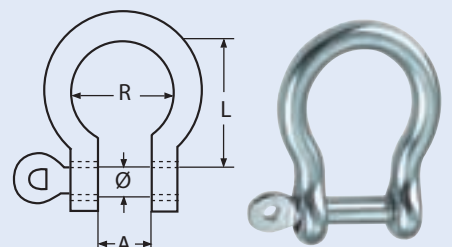


8222

Rundschäkel mit unverlierbarem Bolzen / A4-AISI 316

Bow shackle, with captive pin / Manille lyre axe imperdable

Bestell-Nr. Order no.	Ø	A	R	L	BL/Kg	Box	*€/Stück *€/piece
8222405	5	10	17	17,5	1300	10	2,70
8222406	6	12	21	21	1800	10	3,40
8222408	8	16	28	28	3500	10	4,00
8222410	10	20	34	35	5400	5	6,00



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

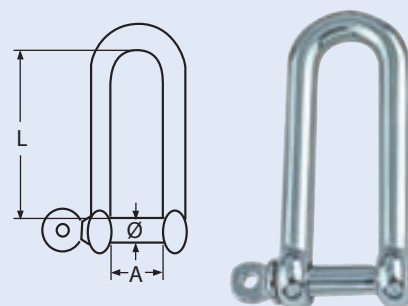
Manilles, mousquetons, emerillons

8259

Rundschäkel, lange Form / A4-AISI 316

Straight D-shackle, long / Manille droite, type long

Bestell-Nr. Order no.	Ø	A	L	BL/Kg	Box	*€/Stück *€/piece
8259405	5	10	40	1000	10	2,20
8259406	6	12	48	1500	10	2,50
8259408	8	16	64	3200	10	3,60
8259410	10	20	80	4900	5	6,30
8259412	12	24	96	7000	5	11,00

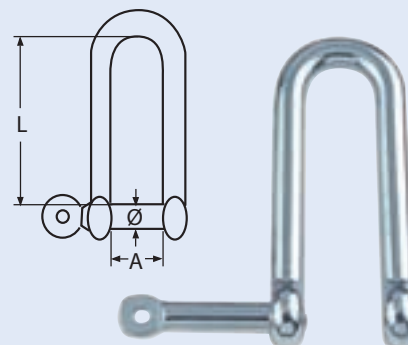


8331

Rundschäkel, lange Form mit unverlierbarem Bolzen / A4-AISI 316

Straight D-shackle, long with captive pin / Manille droite axe imperdable, type long

Bestell-Nr. Order no.	Ø	A	L	BL/Kg	Box	*€/Stück *€/piece
8331405	5	10	37,5	1100	10	3,40
8331406	6	12	43	1600	10	3,70
8331408	8	16	60	3200	10	4,70
8331410	10	20	75	4900	5	7,20
8331412	12	24	90	6600	5	11,50

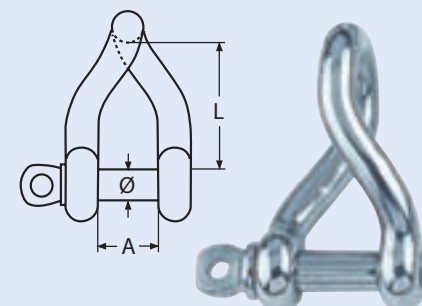


8296

Rundschäkel, gedrehte Form / A4-AISI 316

Shackle, twisted / Manille type torsadée

Bestell-Nr. Order no.	Ø	A	L	BL/Kg	Box	*€/Stück *€/piece
8296405	5	10	27	1200	10	2,10
8296406	6	12	30	1750	10	2,50
8296408	8	16	42	3000	10	3,60
8296410	10	20	55	5800	5	6,00
8296412	12	24	65	7000	5	10,30

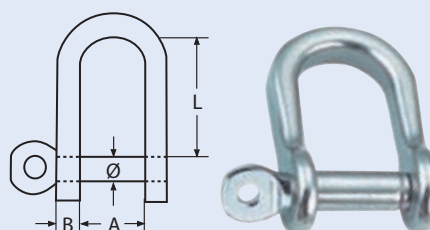


8337

Flachschäkel, rund / A4-AISI 316

Flat shackle, semi-round / Manille plate, type semi rond

Bestell-Nr. Order no.	Ø	A	L	B	BL/Kg	Box	*€/Stück *€/piece
833745	5	12	18,5	2,6	400	10	2,00
833746	6	14	22	3,0	500	10	2,10
833748	8	18	28	3,7	900	10	3,50



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

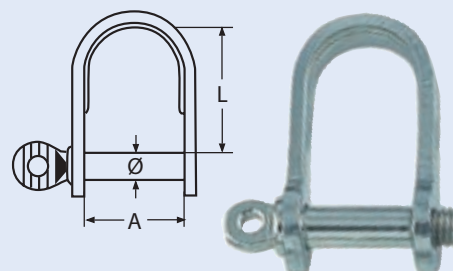
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8297

Flachschäkel mit Bund, kurze Ausführung / A4-AISI 316

Flat shackle, short / Manille plate, type court

Bestell-Nr. Order no.	Ø	A	L	BL/Kg	Box	*€/Stück *€/piece
829744	4	10	15	800	10	1,80
829745	5	12	17,5	1100	10	1,90
829746	6	16	21	2000	10	2,60

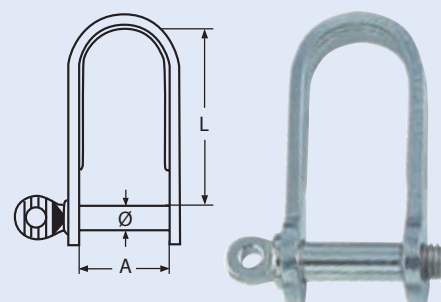


8298

Flachschäkel mit Bund, lange Form / A4-AISI 316

Flat shackle, long / Manille plate, type long

Bestell-Nr. Order no.	Ø	A	L	BL/Kg	Box	*€/Stück *€/piece
829844	4	12	24	800	10	2,00
829845	5	16	21	1100	10	2,30
829846	6	17	26	2000	10	3,40

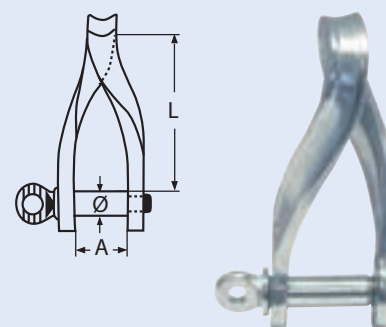


8299

Flachschäkel mit Bund, gedrehte Form / A4-AISI 316

Flat shackle, twisted / Manille plate, type torsadée

Bestell-Nr. Order no.	Ø	A	L	BL/Kg	Box	*€/Stück *€/piece
829944	4	11	24	800	10	2,90
829945	5	12	40	1400	10	3,40

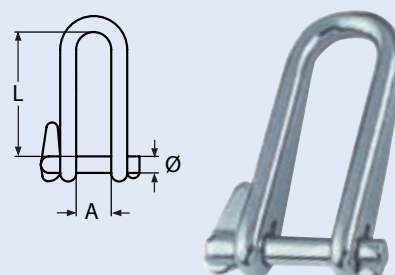


8324

Schlüsselschäkel / A4-AISI 316

Key pin shackle / Manille rapide

Bestell-Nr. Order no.	Ø	A	L	BL/Kg	Box	*€/Stück *€/piece
832445	5	13	40	954	10	3,60
832446	6	16	49	1363	10	4,70
832448	8	22	62	2271	10	7,40



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

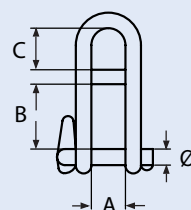
Manilles, mousquetons, emerillons

8323

Schlüsselschäkel mit Steg / A4-AISI 316

Key pin shackle with bar / Manille rapide à barette

Bestell-Nr. Order no.	Ø	A	B	C	BL/Kg	Box	*€/Stück *€/piece
832345	5	13	40	12,5	954	10	3,80
832346	6	16	49	15,0	1363	10	5,10
832348	8	21,5	66	20,5	2272	10	7,50

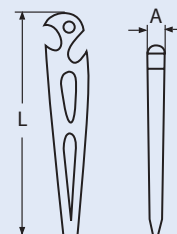


8306

Schäkelschlüssel / A2-AISI 304

Multi-purpose shackle key / Demanilleur-decapsuleur

Bestell-Nr. Order no.	L	A	Box	*€/Stück *€/piece
83062100	100	32	5	2,50

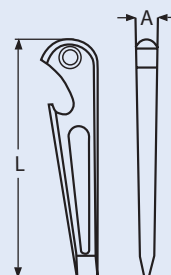


8977

Schäkelschlüssel / A2-AISI 304

Multi-purpose shackle key / Demanilleur-decapsuleur

Bestell-Nr. Order no.	L	A	Box	*€/Stück *€/piece
8977405	86	5	10	2,00

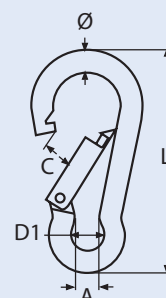


8249

Karabinerhaken / A4-AISI 316

Spring hook / Mousqueton pompier

Bestell-Nr. Order no.	Ø	L	D1	A	C	BL/Kg	Box	*€/Stück *€/piece
8249403_30	3	30	5	4	5,5	25	10	1,30
8249404_40	4	40	9	5	7	450	10	1,55
8249405_50	5	50	10	6	8	570	10	1,50
8249406_60	6	60	11	8	9	670	10	1,70
8249407_70	7	70	13	8	9	750	10	2,60
8249408_80	8	80	13	8	9	870	10	3,50
8249410_100	10	100	16	10	12	1150	5	6,50
8249411_120	11	120	18	11	16	1250	5	9,40
8249412_140	12	140	20	13	19	1280	5	11,90



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

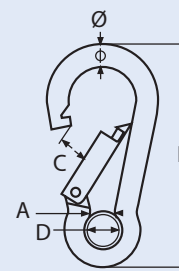
Manilles, mousquetons, emerillons

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8250

Karabinerhaken mit Kausche / A4-AISI 316
Spring hook with eyelet / Mousqueton pompier à œil

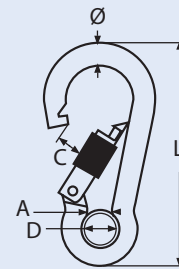
Bestell-Nr. Order no.	Ø	L	D	A	C	BL/Kg	Box	*€/Stück *€/piece
8250404_40	4	40	9	5	7	200	10	1,50
8250405_50	5	50	10	6	8	400	10	1,70
8250406_60	6	60	11	8	9	600	10	2,00
8250407_70	7	70	13	8	9	900	10	2,80
8250408_80	8	80	13	8	9	1150	10	3,30
8250410_100	10	100	16	10	12	1450	5	7,20
8250411_120	11	120	18	11	16	1550	5	9,00
8250412_140	12	140	20	13	19	1650	5	14,30



8232

Karabinerhaken mit Sicherheitsmutter und Kausche / A4-AISI 316
Spring hook with lock nut and eyelet / Mousqueton pompier à œil avec vis de sécurité

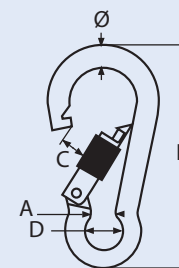
Bestell-Nr. Order no.	Ø	L	D	A	C	BL/Kg	Box	*€/Stück *€/piece
8232404_40	4	40	5	6,5	7	400	10	2,50
8232405_50	5	50	9	7,5	8	600	10	3,00
8232406_60	6	60	10	7,5	9	900	10	4,00
8232407_70	7	70	11	9	9	1000	10	5,00
8232408_80	8	80	13	8	8	1200	10	6,00
8232410_100	10	100	16	10	10	1400	5	8,00
8232411_120	11	120	18	11	15	1500	5	11,00



814594

Karabinerhaken mit Sicherheitsmutter / A4-AISI 316
Spring hook with lock nut / Mousqueton pompier avec vis de sécurité

Bestell-Nr. Order no.	Ø	L	D	A	C	BL/Kg	Box	*€/Stück *€/piece
814594404_40	4	40	5	5	7	400	10	1,50
814594405_50	5	50	9	6	8	600	10	1,70
814594406_60	6	60	10	8	9	900	10	2,50
814594407_70	7	70	11	8	9	1000	10	3,40
814594408_80	8	80	13	8	8	1200	10	4,50
814594410_100	10	100	16	10	10	1400	5	8,50
814594411_120	11	120	18	11	15	1500	5	9,50



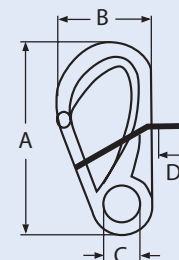
New

8679

Bojen-Karabiner / A4-AISI 316
Buoy hook / Crochet d'amarrage

Bestell-Nr. Order no.	A	B	C	D	BL/Kg	Box	*€/Stück *€/piece
86794108_63	108	63	21	35	910	5	17,70

Öffnen und schließen nur mit dem Bootshaken
Open and close with boathook only



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

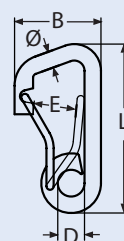
Manilles, mousquetons, emerillons

8305

Karabinerhaken mit selbstsicherndem Bügel / A4-AISI 316

Spring hook / Mousqueton pompier ressort asymétrique

Bestell-Nr. Order no.	Ø	D	B	L	E	BL/Kg	Box	*€/Stück *€/piece
8305406	6	7	35	61	10	600	10	4,50
8305408	8	11	48	81	13	1600	10	6,30
8305410	10	13	58	102	15	2500	5	8,50
8305412	12	16	70	122	21	3000	5	12,00
8305416	16	25	97	165	27	3300	5	27,00

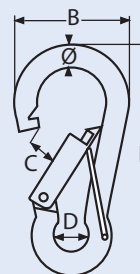


8948

Karabinerhaken mit Sicherheitsverschluss / A4-AISI 316

Spring lock hook with safety latch / Mousqueton pompier avec fermeture de sécurité

Bestell-Nr. Order no.	Ø	L	B	C	D	BL/Kg	Box	*€/Stück *€/piece
8948406_60	6	60	30	7,5	8,5	272	10	2,60
8948408_80	8	80	40	10	12	508	10	4,80
8948410_100	10	100	50	12	15	728	5	7,70
8948412_140	12	140	60	21	22	908	5	14,80

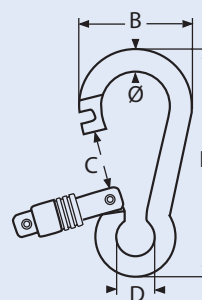


8949

Karabinerhaken mit Springverschluss / A4-AISI 316

Spring hook with self-lock nut / Mousqueton pompier ouverture extérieure avec fermeture automatique

Bestell-Nr. Order no.	Ø	L	B	C	D	BL/Kg	Box	*€/Stück *€/piece
8949405_50	5	50	26	15	8	387	10	3,20
8949406_60	6	60	30	16	8,5	417	10	3,90
8949408_80	8	80	40	23	12	990	10	6,70
8949410_100	10	100	50	27	15	1300	5	10,60

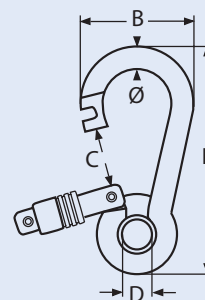


8950

Karabinerhaken mit Springverschluss und Kausche / A4-AISI 316

Spring hook with eyelet and self-lock nut / **

Bestell-Nr. Order no.	Ø	L	B	C	D	BL/Kg	Box	*€/Stück *€/piece
8950405_50	5	50	26	15	7,8	387	10	2,50
8950406_60	6	60	30	16	7,8	417	10	2,90
8950408_80	8	80	40	23	10,8	990	10	4,90
8950410_100	10	100	50	27	14,0	1300	5	8,20



**Mousqueton pompier à oeil ouverture extérieure avec fermeture automatique

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

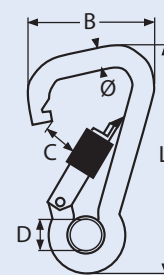
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8951

Karabinerhaken asym. m. Sicherheitsmutter und Kausche / A4-AISI 316

Spring hook with lock nut and eyelet / Mousqueton asymétrique à œil avec vis de sécurité

Bestell-Nr. Order no.	Ø	L	B	C	D	BL/Kg	Box	*€/Stück *€/piece
8951406_60	6	60	35	9	8	456	10	2,60
8951408_80	8	80	46	12,5	11	728	10	4,80
8951410_100	10	100	60	16	14	1092	5	8,60
8951411_120	11	120	70	21,5	18	1260	5	12,10

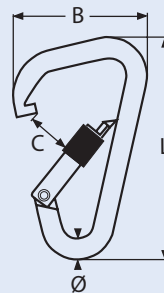


8953

Karabinerhaken mit Sicherheitsmutter / A4-AISI 316

Spring hook with lock nut / Mousqueton asymétrique avec vis de sécurité

Bestell-Nr. Order no.	Ø	L	B	C	BL/Kg	Box	*€/Stück *€/piece
8953411_120	11	120	70	24	1600	5	12,00

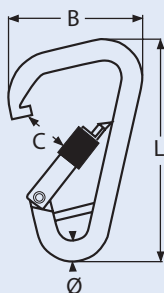


8954

Karabinerhaken mit Sicherheitsmutter und Steg / A4-AISI 316

Spring hook with lock nut and bar / Mousqueton asymétrique à barette avec vis de sécurité

Bestell-Nr. Order no.	Ø	L	B	C	BL/Kg	Box	*€/Stück *€/piece
8954411_120	11	120	70	24	1600	5	12,70

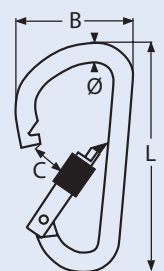


8955

Karabinerhaken mit Sicherheitsmutter / A4-AISI 316

Spring hook with lock nut / Mousqueton - vis de sécurité

Bestell-Nr. Order no.	Ø	L	B	C	BL/Kg	Box	*€/Stück *€/piece
8955410_115	10	115	60	19	2720	5	10,20



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

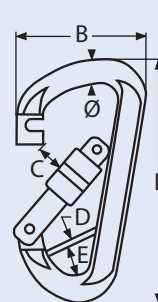
Manilles, mousquetons, emerillons

8956

Karabinerhaken mit Springverschluss und Steg / A4-AISI 316

Spring hook with self-locking sleeve and bar / Mousqueton a fermeture automatique avec barette

Bestell-Nr. Order no.	Ø	L	B	C	D	E	BL/Kg	Box	*€/Stück *€/piece
8956408_64	8	80	45	12	1,7	13	1330	10	7,70
8956410_80	10	100	55	14	2,0	16	2510	5	9,70

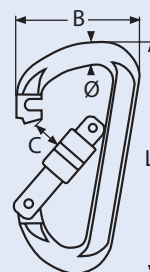


8957

Karabinerhaken mit Springverschluss / A4-AISI 316

Spring hook with nut / Mousqueton à fermeture automatique

Bestell-Nr. Order no.	Ø	L	B	C	BL/Kg	Box	*€/Stück *€/piece
8957408_64	8	80	45	11,5	1590	10	7,90
8957410_80	10	100	55	14,0	1680	5	9,70

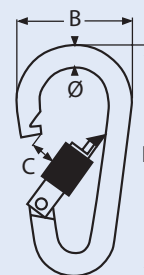


8958

Karabinerhaken mit Sicherheitsmutter / A4-AISI 316

Spring hook with lock nut / Mousqueton avec vis de sécurité

Bestell-Nr. Order no.	Ø	L	B	C	BL/Kg	Box	*€/Stück *€/piece
8958406_60	6	60	30	8,5	272	10	2,80
8958408_80	8	80	40	10	508	10	5,20
8958410_100	10	100	50	12	728	5	7,40
8958411_120	11	120	60	17	816	5	10,80

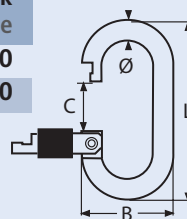


8959

Karabinerhaken mit Sicherheitsmutter / A4-AISI 316

Spring hook with lock nut / Mousqueton ouverture extérieure avec vis de sécurité

Bestell-Nr. Order no.	Ø	L	B	C	BL/Kg	Box	*€/Stück *€/piece
8959406_55	6	55	30	14	440	10	3,20
8959408_70	8	70	35	18	905	10	5,20



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

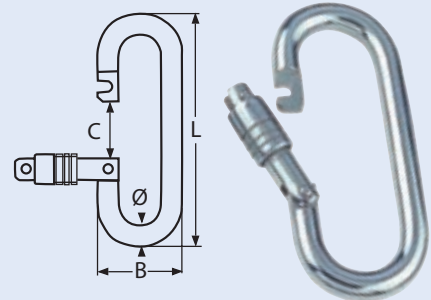
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8960

Karabinerhaken mit Springverschluss / A4-AISI 316

Spring hook opening with self-locking nut / Mousqueton ouverture extérieure avec fermeture automatique

Bestell-Nr. Order no.	Ø	L	B	C	BL/Kg	Box	*€/Stück *€/piece
8960405_70	5	70	25	15	370	10	3,40
8960406_80	6	80	30	16	440	10	4,40
8960408_90	8	90	35	23	905	10	4,90
8960410_110	10	110	40	27	1395	5	7,70

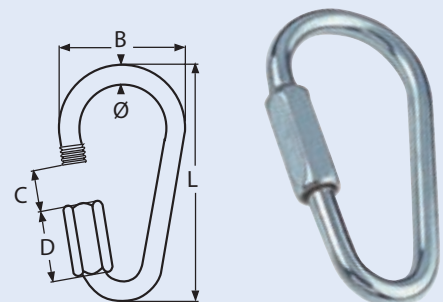


8961

Karabinerhaken mit Schraubverbinder / A4-AISI 316

Spring hook with screw connector / Mousqueton avec vis de raccord

Bestell-Nr. Order no.	Ø	B	L	C	D	BL/Kg	Box	*€/Stück *€/piece
8961404_61	4	32	61	11	19	850	10	2,90
8961405_70	5	37	70	13	22	1350	10	3,60
8961406_82	6	42	82	14	25	2000	10	4,00
8961408_100	8	53	100	17	31	3300	10	7,40
8961410_118	10	63	118	20	36	5500	5	10,10
8961412_144	12	76	144	23	43	7500	5	16,30

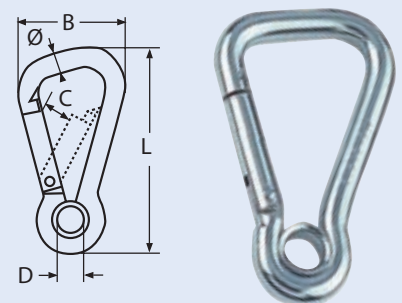


8322

Karabinerhaken, asymmetrisch mit Kausche / A4-AISI 316

Asymmetric spring hook / Mousqueton pompier asymétrique avec œil

Bestell-Nr. Order no.	Ø	L	C	D	B	BL/Kg	Box	*€/Stück *€/piece
8322408_80	8	80	13	11	45	870	10	7,00
8322410_100	10	100	18	14	58	1350	5	9,00
8322411_120	11	120	24	18	70	1500	5	12,00

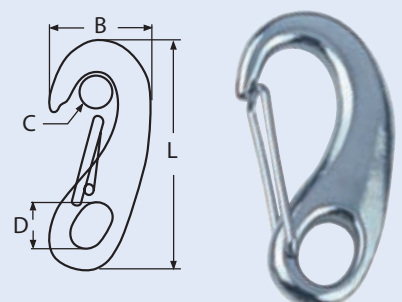


8251

Karabinerhaken / A4-AISI 316

Spring hook / Mousqueton à œil

Bestell-Nr. Order no.	L	B	C	D	BL/Kg	Box	*€/Stück *€/piece
82514050	50	24	10	10,5	200	10	4,00
82514070	70	31	12	13,0	700	10	5,00
82514100	100	46	22	21,0	1800	5	6,00



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

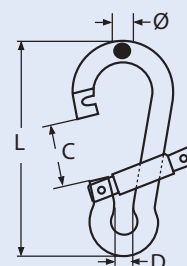
Manilles, mousquetons, emerillons

8293

Karabinerhaken mit Spezialverschluss / A4-AISI 316

Spring hook with special closure / Mousqueton pompier grand passage

Bestell-Nr. Order no.	Ø	L	D	C	BL/Kg	Box	*€/Stück *€/piece
8293408_80	8	80	8,0	19	800	10	6,00
8293410_100	10	100	10,5	22	1200	5	8,20
8293411_120	11	120	12,0	26	2000	5	11,70

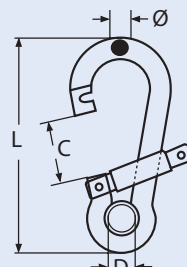


8294

Karabinerhaken mit Spezialverschluss und Kausche / A4-AISI 316

Snap hook with special closure and eyelet / Mousqueton pompier à œil grand passage

Bestell-Nr. Order no.	Ø	L	C	D	BL/Kg	Box	*€/Stück *€/piece
8294408_80	8	80	19	10	800	10	5,80
8294410_100	10	100	22	14	1200	5	9,20
8294411_120	11	120	26	17	2000	5	11,60

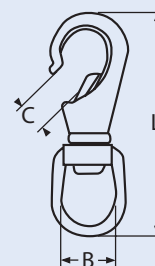


8257

Schnapphaken mit Wirbelauge / A4-AISI 316

Swivel eye snap / Mousqueton à emerillon

Bestell-Nr. Order no.	C	B	L	BL/Kg	Box	*€/Stück *€/piece
8257416	11	21	86,0	150	5	6,70
8257419	12	21	99,5	250	5	7,00
8257422	16	21	117,5	350	5	8,40

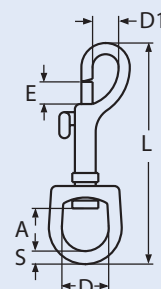


8303

Wirbelkarabiner / A4-AISI 316

Swivel eye bolt snap / Mousqueton targette à émerillon

Bestell-Nr. Order no.	D	D1	S	A	L	E	Box	*€/Stück *€/piece
8303409	9	7	3	10,5	62	7	10	5,00
8303412	12	8	4	13,5	75	8	10	5,10
8303416	16	9	4	15,5	87	9	5	5,20
8303419	19	9	5	19,0	90	9	5	5,30



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

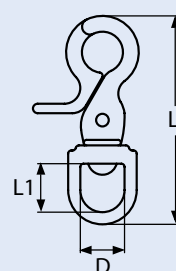
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8534

Schnapphaken mit Wirbel / A4-AISI 316

Trigger snap with eye bail / Mousqueton gachette à émerillon

Bestell-Nr. Order no.	D	L	L1	Box	*€/Stück *€/piece
8534413	13	65	16	5	6,80
8534416	16	65	19	5	7,80

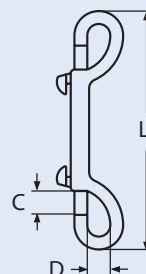


8416

Doppelkarabiner / A4-AISI 316

Double snap hook / Mousqueton à targette double

Bestell-Nr. Order no.	L	C	D	BL/Kg	Box	*€/Stück *€/piece
84164115	115	10	11	200	5	8,00

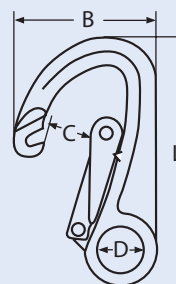


8338

Sicherheitskarabinerhaken mit zweifacher Sperre / A4-AISI 316

Spring hook with double locking equipment / Mousqueton de sécurité avec double fermeture

Bestell-Nr. Order no.	L	D	C	B	BL/Kg	Box	*€/Stück *€/piece
8338410_110	110	20	19	62	1400	5	14,00

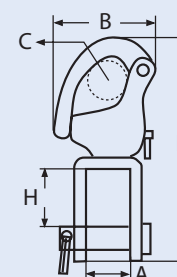


8262

Schnappschäkel mit Wirbelschäkel / A4-AISI 316

Swivel snap shackle / Mousqueton de drisse à chape

Bestell-Nr. Order no.	L	H	C	B	A	BL/Kg	Box	*€/Stück *€/piece
82624070	70	9	12	33	12	1900	5	15,00
82624087	87	15	16	42	13	2900	5	17,00
82624128	128	20	22	58	22	3900	5	22,00



Schäkel, Karabinerhaken und Wirbel

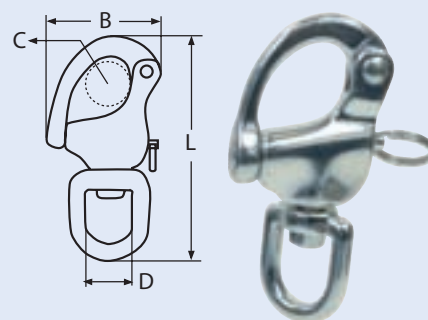
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8252**Schnappschäkel mit Wirbelauge / A4-AISI 316**

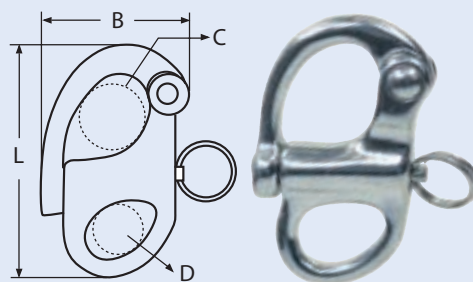
Swivel snap shackle / Mousqueton de drisse à émerillon

Bestell-Nr. Order no.	L	C	D	B	BL/Kg	Box	*€/Stück *€/piece
82524070	70	12	12	33	1800	5	12,40
82524087	87	16	16	42	2800	5	15,00
82524128	128	22	22	58	3800	5	18,00

**8288****Schnappschäkel / A4-AISI 316**

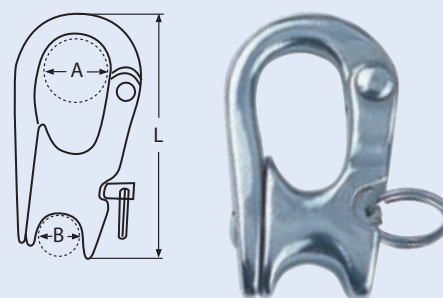
Fixed snap shackle / Mousqueton de drisse à œil fixe

Bestell-Nr. Order no.	L	C	D	B	BL/Kg	Box	*€/Stück *€/piece
8288452	52	12	9	35	1800	5	11,00
8288466	66	16	12	45	2800	5	12,00
8288496	96	22	16	60	3800	5	14,00

**8290****Schotschäkel / A4-AISI 316**

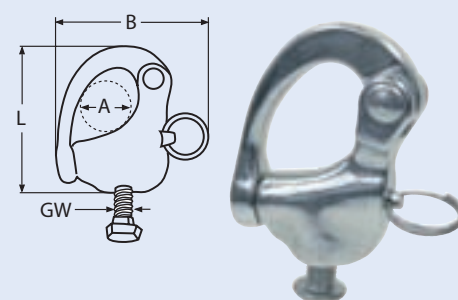
Sheet snap shackle / Mousqueton d'écoute

Bestell-Nr. Order no.	L	B	A	Box	*€/Stück *€/piece
8290452	52	12	10	5	9,00
8290466	66	15	14	5	14,00
8290496	96	25	18	5	18,00

**8289****Schnappschäkel mit Schraube / A4-AISI 316**

Snap shackle with screw / Mousqueton de drisse à vis

Bestell-Nr. Order no.	GW	A	L	B	Box	*€/Stück *€/piece
8289406	M6	12	42	30	5	13,00
8289408	M8	16	53	40	5	15,00
8289410	M10	22	75	62	5	18,00



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

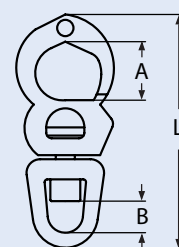
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8661

Schnappschäkel mit Wirbelauge / A4-AISI 316

Swivel snap shackle / Mousqueton de largage rapide à émerillon

Bestell-Nr. Order no.	L	A	B	BL/Kg	Box	*€/Stück *€/piece
86614085	85	18	12	1500	1	19,00
86614105	105	24	14	2500	1	24,00
86614125	125	27	18	3500	1	31,00

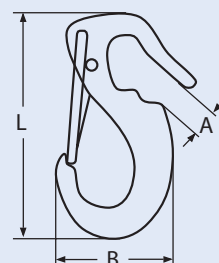


8533

Stagreiter / A4-AISI 316

Knock on piston hank / Bague de foc à materillon

Bestell-Nr. Order no.	L	A	B	BL/Kg	Box	*€/Stück *€/piece
8533450	50	6,5	25	250	10	4,00
8533465	65	10	35	550	10	6,00
8533490	90	13	49	1000	5	9,70

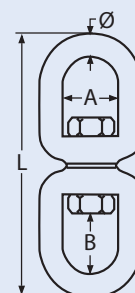


8254

Wirbel, Auge-Auge / A4-AISI 316

Eye and eye swivel / Emerillon œil / œil

Bestell-Nr. Order no.	Ø	L	B	A	BL/Kg	Box	*€/Stück *€/piece
8254405	5	60	13	13	820	10	3,60
8254406	6	65	15	15	1350	10	3,80
8254408	8	90	22	20	2500	10	6,00
8254410	10	115	27	24	3500	5	9,00
8254413	13	154	35	32	6000	1	19,00
8254416	16	188	45	39	10800	1	43,00
8254419	19	231	50	41	16100	1	63,00

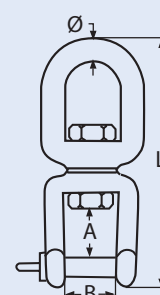


8255

Wirbelschäkel, Auge-Gabel / A4-AISI 316

Eye and jaw swivel / Emerillon œil / manille

Bestell-Nr. Order no.	Ø	L	B	A	BL/Kg	Box	*€/Stück *€/piece
8255406	6	66	12	11	1350	10	5,50
8255408	8	94	16	16	2500	10	6,00
8255410	10	118	22	22	3500	5	13,00
8255413	13	152	28	28	6000	1	22,00
8255416	16	188	34	37	9800	1	48,00
8255419	19	229	38	45	15000	1	52,00



Schäkel, Karabinerhaken und Wirbel

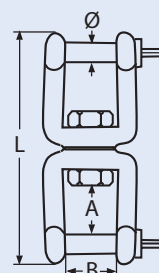
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8256**Wirbelschäkel, Gabel-Gabel / A4-AISI 316**

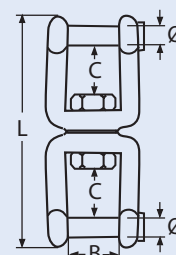
Jaw and jaw swivel / Emerillon à manille double

Bestell-Nr. Order no.	Ø	L	B	A	BL/Kg	Box	*€/Stück *€/piece
8256405	5	60	10	11	600	10	3,00
8256406	6	66	12	11	1350	10	6,50
8256408	8	94	16	16	2500	10	8,00
8256410	10	118	20	22	3500	5	13,00
8256413	13	152	28	28	6000	1	26,00
8256416	16	188	34	37	9800	1	40,00
8256419	19	229	38	45	15000	1	74,00

**8535****Wirbelschäkel, Gabel-Gabel mit Innensechskant / A4-AISI 316**

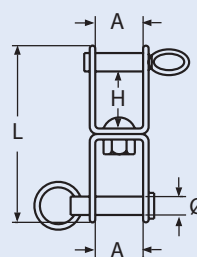
Jaw and jaw swivel with hexagon socket / Emerillon à manille double avec vis six pans creux

Bestell-Nr. Order no.	Ø	L	B	C	BL/Kg	Box	*€/Stück *€/piece
8535405	5	60	10	11	600	10	2,90
8535406	6	66	12	11	1350	10	8,30
8535408	8	94	16	16	2500	10	11,70
8535410	10	118	20	22	3500	5	18,00
8535413	13	152	26	28	6000	1	29,80
8535416	16	188	34	37	10800	1	56,00
8535419	19	229	38	45	16100	1	74,00

**8364****Wirbelschäkel, flach, Gabel-Gabel / A2-AISI 304**

Jaw and jaw flat swivel shackle / Emerillon à 2 chapes

Bestell-Nr. Order no.	Ø	A	L	H	Box	*€/Stück *€/piece
8364212_47	5	12	47	10	10	8,00
8364214_55	6	14	55	11	10	9,00



**Yacht- und Bootszubehör
auf Blisterkarten**
Fasteners and nautical
accessories on blister cards



Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

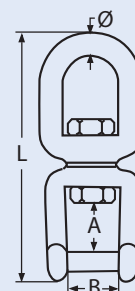
1

814105

Wirbelschäkel, Auge-Gabel mit Innensechskant / A4-AISI 316

Eye and jaw swivel with hexagon socket / Emerillon à œil et manille avec vis six pans creux

Bestell-Nr. Order no.	Ø	L	A	B	BL/Kg	Box	*€/Stück *€/piece
814105405	5	60	11	10	400	10	3,20
814105406	6	66	12	12	600	10	4,20
814105408	8	92	16	16	1200	10	6,80
814105410	10	118	22	20	2000	5	13,10
814105413	13	152	28	26	4000	1	22,80
814105416	16	188	34	32	6000	1	44,10
814105419	19	229	44	38	8000	1	71,00

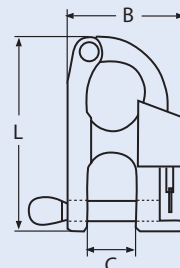


8485

Wasserskihaken / A4-AISI 316

Waterski hook / Crochet pour ski nautique

Bestell-Nr. Order no.	C	L	B	BL/Kg	Box	*€/Stück *€/piece
8485460	16	60	36,5	800	5	14,50

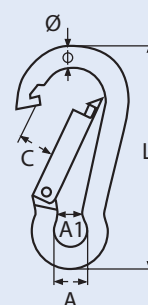


8488

Karabinerhaken, Aluminium - verschiedene Farben

Aluminium snap hook, different colors / Mousqueton en Aluminium - couleurs différente

Bestell-Nr. Order no.	Ø	L	A1	A	C	BL/Kg	Box	*€/Stück *€/piece
848805_50	5	50	6	10	8	100	10	1,00
848806_60	6	60	8	11	9	160	10	1,20
848808_80	8	80	8	13	9	350	10	1,40



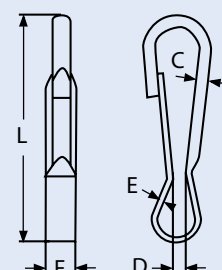
814387

Simplex - Karabinerhaken / A2-AISI 304

Simplex spring hook / Mousqueton simple

NEW

Bestell-Nr. Order no.	L	C	D	E	F	Box	*€/Stück *€/piece
814387230	30	3,3	1,4	2,8	3,6	100	0,40
814387240	40	4,5	1,9	4,1	5,0	100	0,60
814387250	50	5,4	2,3	4,6	6,4	50	0,90
814387260	60	6,2	2,8	5,6	7,1	50	1,30



Schäkel, Karabinerhaken und Wirbel

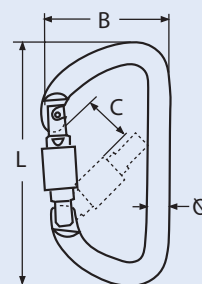
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8493**Karabinerhaken mit Einpunkt-Sicherung / Aluminium**

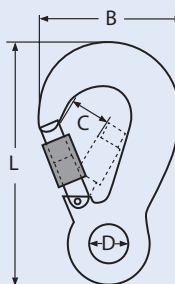
Single point aluminium spring hook / Mousqueton en Aluminium, 1 point de protection

Bestell-Nr. Order no.	Ø	L	B	C	BL/Kg	Box	*€/Stück *€/piece
8493011_100	11	100	58	20	2200	5	11,00
8493011_110	11	110	64	22	2200	5	12,50
8493011_116	11	116	64	22	2200	5	13,00
8493012_116	12	116	74	23	2400	5	13,50

**8494****Sicherungskarabinerhaken / Aluminium**

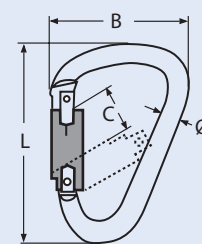
Safety spring hook / Mousqueton de sécurité en Aluminium à œil

Bestell-Nr. Order no.	L	D	C	B	BL/Kg	Box	*€/Stück *€/piece
84940130	130	21	21	80	2000	5	12,20

**8490****Karabinerhaken mit Einpunkt-Sicherung, 1/4 Drehung / Aluminium**

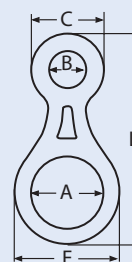
1/4 turn single point spring hook / Mousqueton en Aluminium - 1 point de protection - 1/4 de tour

Bestell-Nr. Order no.	Ø	L	B	C	BL/Kg	Box	*€/Stück *€/piece
8490012_120	12	120	80	25	2400	5	12,70
8490014_190	14	190	104	46	2600	5	22,00

**8492****Abseilachter / Aluminium**

Aluminium figure eight descender / Crochet en huit

Bestell-Nr. Order no.	L	A	B	C	E	BL/Kg	Box	*€/Stück *€/piece
84920145	145	51	26	48	76	3000	5	9,90

**8491****Steigklemme, Fallsicherung / A2-AISI 304**

Rope shortener / Kit d'ascension

Bestell-Nr. Order no.	DS-Ø WR-Ø	L	B	D	Box	*€/Stück *€/piece
8491212	12	122	78	22	1	38,00
8491216	16	122	78	22	1	39,50

