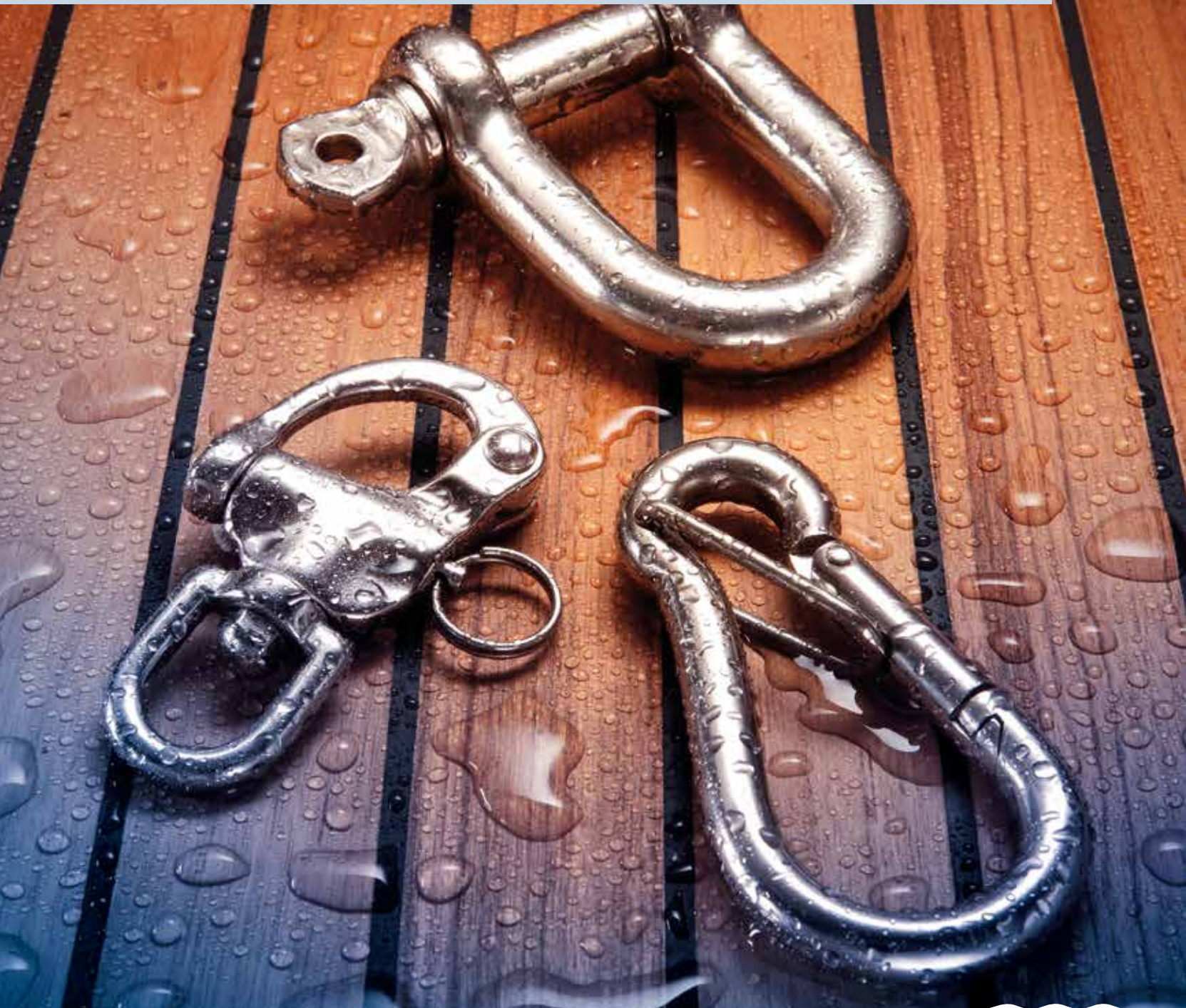


Kapitel 1

Chapter 1

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivel
Manilles, mousquetons, emerillons



Schäkel, Karabinerhaken und Wirbel

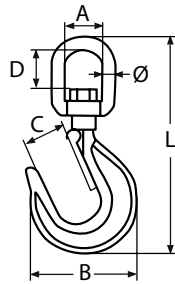
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8971

Trailerhaken mit Wirbel / A4-AISI 316

Trailer hook with swivel / Croc de palan à gachette

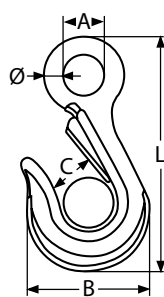


Bestell-Nr. Order no.	L	B	A	D	C	Ø	**BL/kg	Box	*€/Stück *€/piece
8971428	147	69	28	27	18	7	2000	1	18,00
8971436	193	97	36	36	33	12	3700	1	42,00

8287

Trailerhaken / A4-AISI 316

Trailer hook / Croc de palan

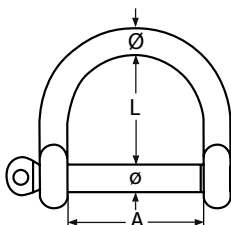


Bestell-Nr. Order no.	L	B	A	C	Ø	**BL/kg	Box	*€/Stück *€/piece
8287419	100	48	19	20,5	7	930	5	7,60
8287428	115	52	28	23,0	9	1410	5	9,50

8969

Rundschäkel, weit / A4-AISI 316

D-shackle, wide / Manille large

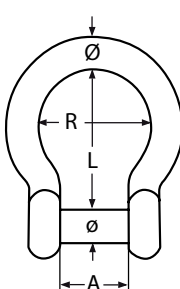


Bestell-Nr. Order no.	Ø	L	A	**BL/kg	Box	*€/Stück *€/piece
8969405	5	20	25	750	10	2,50
8969406	6	33	24	1350	10	3,10
8969408	8	31	26	2500	10	4,50
8969410	10	55	41	3350	5	7,40
8969412	12	66	50	4000	5	13,50

8970

Rundschäkel mit Innensechskant, geschweift / A4-AISI 316

Bow shackle with hexagon socket / Manille lyre avec vis 6 pans creux



Bestell-Nr. Order no.	Ø	L	A	R	**BL/kg	Box	*€/Stück *€/piece
8970405	5	25	11	17	1200	10	3,50
8970406	6	30	12	21	1700	10	3,90
8970408	8	44	16	28	2500	10	5,20
8970410	10	49	21	34	4300	5	6,70
8970412	12	57	25	42	6200	5	11,00
8970416	16	80	31	56	7000	5	23,00
8970419	19	96	36	66	14000	1	35,00

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

1

1

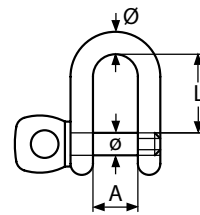
Rundschäkel / A4-AISI 316

D-shackle / Manille droite

8258

NEW

Bestell-Nr. Order no.	Ø	L	A	**BL/kg	Box	*€/Stück *€/piece
8258403	3	11,0	7	500	20	1,20
8258404	4	14,0	8	700	20	1,30
8258405	5	14,5	10	1000	20	1,40
8258406	6	21,0	12	1500	20	1,70
8258407	7	23,5	14	2000	10	2,40
8258408	8	28,0	16	3000	10	2,60
8258410	10	36,0	20	4300	10	3,30
8258412	12	44,0	24	6600	5	5,50
8258413	13	46,5	26	9000	5	8,20
8258416	16	56,0	32	10000	5	12,00
8258419	19	65,5	38	16000	1	25,00
8258422	22	74,0	44	20000	1	38,00
8258425	25	85,5	50	24000	1	65,00
8258432	32	108,0	64	31000	1	110,00

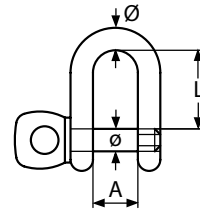


Rundschäkel mit unverlierbarem Bolzen / A4-AISI 316

D-shackle with captive pin / Manille droite axe imperdable

8326

Bestell-Nr. Order no.	Ø	L	A	**BL/kg	Box	*€/Stück *€/piece
8326404	4	14,0	8	700	10	2,40
8326405	5	16,5	10	1000	10	2,60
8326406	6	21,0	12	1500	10	2,90
8326408	8	28,0	16	3000	10	3,50
8326410	10	34,0	20	4300	5	4,80
8326412	12	36,0	24	6600	5	8,00

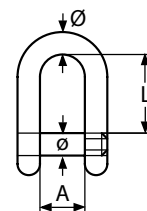


Rundschäkel mit Innensechskant / A4-AISI 316

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

8482

Bestell-Nr. Order no.	Ø	L	A	**BL/kg	Box	*€/Stück *€/piece
8482405	5	19,0	10	1000	10	2,80
8482406	6	21,0	12	1500	10	3,00
8482408	8	28,0	16	2200	10	3,30
8482410	10	35,0	20	3700	5	3,90
8482412	12	45,0	24	5400	5	9,00
8482414	14	49,0	28	6500	5	11,00
8482416	16	52,0	32	8800	5	14,00
8482419	19	63,5	38	16000	1	24,00
8482422	22	76,0	44	19000	1	32,00

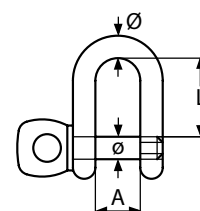


Rundschäkel, geschmiedet / A4-AISI 316

D-shackle, forged / Manille droite forgée

8746

Bestell-Nr. Order no.	Ø	L	A	**BL/kg	Box	*€/Stück *€/piece
8746404	4	15,0	8	700	10	1,70
8746405	5	17,5	10	1500	10	1,80
8746406	6	21,0	12	1860	10	2,20
8746408	8	29,0	16	4380	10	3,40
8746410	10	35,0	20	5800	5	4,50
8746412	12	43,0	24	8100	5	7,30



Schäkel, Karabinerhaken und Wirbel

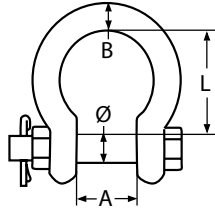
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

814068

Rundschäkel mit Sicherungsbolzen, geschweift, geschmiedet / A4-AISI 316

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



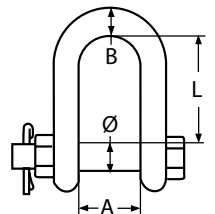
Bestell-Nr. Order no.	Ø	B	A	L	**BL/kg	Box	*€/Stück *€/piece
8140684048	6,4	5	9,7	22	1320	10	2,80
8140684064	8,0	6	12,0	29	2000	10	3,80
814068408	9,5	8	13,5	31	3000	10	5,80
8140684095	11,0	10	17,0	36	4000	5	9,50
8140684127	16,0	12	21,0	48	8000	5	17,70
814068416	19,0	16	27,0	60	12000	5	35,20
814068419	22,0	20	32,0	71	16000	1	55,50
814068422	25,0	22	36,0	84	20000	1	83,00

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	3,00
8140694064	8,0	6	12,0	22	2000	10	3,90
814069408	9,5	8	13,5	26	3000	10	5,40
8140694095	11,0	10	17,0	32	4000	5	8,50
8140694127	16,0	12	21,0	41	8000	5	17,30
814069416	19,0	16	27,0	51	12000	5	33,80
814069419	22,0	20	32,0	60	16000	1	51,90
814069422	25,0	22	36,0	71	20000	1	70,70

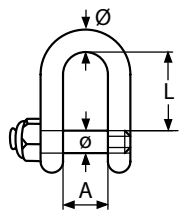
Besonders geeignet als Ankerschäkel - Suited as anchor shackle - Convient particulièrement comme manille d'ancre

814839

Rundschäkel mit Innensechskant und Sicherungsmutter / A4-AISI 316

D-Shackle with hexagon socket and safety nut / Manille droite avec vis HC et écrou de sécurité

NEW

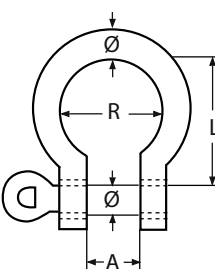


Bestell-Nr. Order no.	Ø	A	L	**BL/kg	Box	*€/Stück *€/piece
814839406	6	12	21	1320	10	2,20
814839408	8	16	28	2200	10	3,20

8260

Rundschäkel, geschweift / A4-AISI 316

Bow shackle / Manille lyre



Bestell-Nr. Order no.	Ø	A	R	L	**BL/kg	Box	*€/Stück *€/piece
8260404	4	8,0	14,0	16	800	20	1,30
8260405	5	10,0	17,0	20	1200	20	1,50
8260406	6	12,0	21,0	24	1800	20	1,90
8260408	8	16,0	28,0	32	2800	10	2,30
8260410	10	20,0	34,0	40	4300	10	3,70
8260412	12	24,0	42,0	48	6500	5	6,10
8260413	13	26,0	45,0	52	7500	5	9,50
8260416	16	32,0	56,0	64	10000	5	13,80
8260419	19	35,6	64,4	85	16000	1	35,40
8260422	22	44,0	77,0	88	21000	1	39,50

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

1

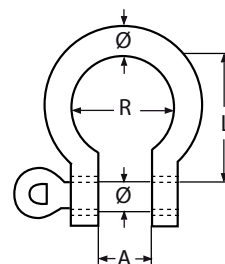
1

Rundschäkel mit unverlierbarem Bolzen, geschweißt / A4-AISI 316

Bow shackle, with captive pin / Manille lyre axe imperdable

8222

Bestell-Nr. Order no.	Ø	A	R	L	**BL/kg	Box	*€/Stück *€/piece
8222404	4	8	14	14,0	800	10	2,10
8222405	5	10	17	17,5	1200	10	2,90
8222406	6	12	21	21,0	1800	10	3,40
8222408	8	16	28	28,0	2800	10	4,00
8222410	10	20	34	35,0	4300	5	6,20

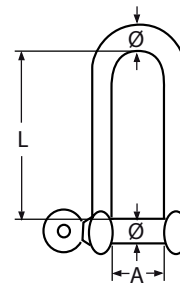


Rundschäkel, lang / A4-AISI 316

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

8259

Bestell-Nr. Order no.	Ø	A	L	**BL/kg	Box	*€/Stück *€/piece
8259404	4	8,5	32	700	10	1,60
8259405	5	10	40	1000	10	2,20
8259406	6	12	45	1500	10	2,50
8259408	8	16	60	3000	10	3,30
8259410	10	20	73	4300	5	5,90
8259412	12	24	87	6600	5	9,20

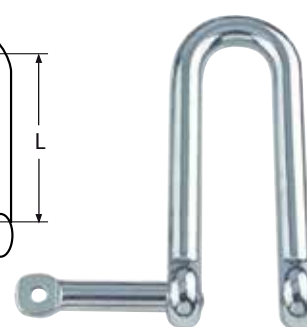
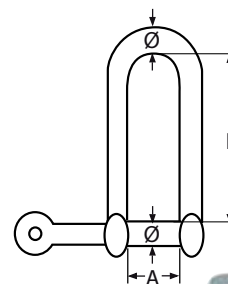


Rundschäkel lang, mit unverlierbarem Bolzen / A4-AISI 316

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

8331

Bestell-Nr. Order no.	Ø	A	L	**BL/kg	Box	*€/Stück *€/piece
8331405	5	10	37,5	1000	10	3,40
8331406	6	12	43,0	1500	10	3,70
8331408	8	16	60,0	3000	10	4,70
8331410	10	20	75,0	4300	5	6,90
8331412	12	24	90,0	6600	5	10,90

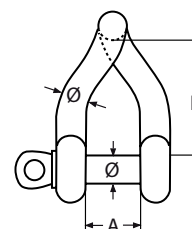


Rundschäkel, gedreht / A4-AISI 316

Shackle, twisted / Manille type torsadée

8296

Bestell-Nr. Order no.	Ø	A	L	**BL/kg	Box	*€/Stück *€/piece
8296404	4	8	22	700	10	2,10
8296405	5	10	27	1000	10	2,30
8296406	6	12	30	1500	10	2,50
8296408	8	16	42	3000	10	3,70
8296410	10	20	55	4300	5	6,00
8296412	12	24	65	6600	5	10,30



Schäkel, Karabinerhaken und Wirbel

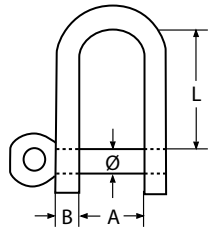
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8337

Flachschäkel, rund / A4-AISI 316

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

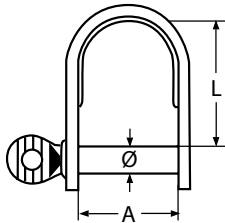


Bestell-Nr. Order no.	Ø	A	L	B	**BL/kg	Box	*€/Stück *€/piece
833745	5	12	18,5	2,6	400	10	2,40
833746	6	14	22,0	3,0	500	10	2,70
833748	8	18	28,0	3,7	900	10	3,60

8297

Flachschäkel, kurz / A4-AISI 316

Flat shackle, short / Manille plate, type court

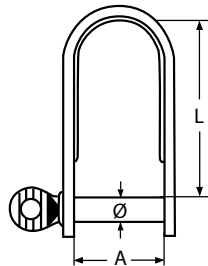


Bestell-Nr. Order no.	Ø	A	L	**BL/kg	Box	*€/Stück *€/piece
829744	4	10	18	800	10	1,50
829745	5	12	20	1100	10	1,70
829746	6	16	24	2000	10	1,90

8298

Flachschäkel, lang / A4-AISI 316

Flat shackle, long / Manille plate, type long

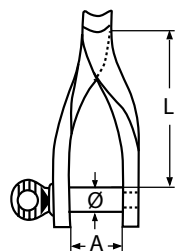


Bestell-Nr. Order no.	Ø	A	L	**BL/kg	Box	*€/Stück *€/piece
829844	4	12	24	800	10	2,00
829845	5	16	21	1100	10	2,30
829846	6	17	26	2000	10	3,00

8299

Flachschäkel, gedreht / 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	3,30
829945	5	12	40	1100	10	3,50

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

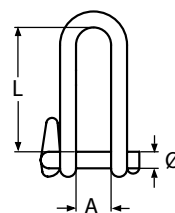
1

Schlüsselschäkel / A4-AISI 316

Key pin shackle / Manille longue rapide

8324

Bestell-Nr. Order no.	Ø	A	L	**BL/kg	Box	*€/Stück *€/piece
832445	5	13	40	950	10	3,60
832446	6	16	44	1360	10	4,70
832448	8	22	62	2270	10	7,40

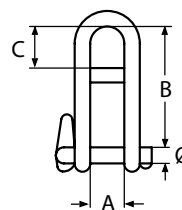


Schlüsselschäkel mit Steg / A4-AISI 316

Key pin shackle with bar / Manille longue rapide à barette

8323

Bestell-Nr. Order no.	Ø	A	B	C	**BL/kg	Box	*€/Stück *€/piece
832345	5	13,0	38	12,5	950	10	3,80
832346	6	16,0	43	15,0	1360	10	5,10
832348	8	21,5	60	20,5	2270	10	7,50

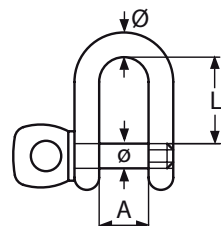


Alu-Rundschäkel / Alu

D-shackle alu / Manille droite en Alu

814737

Bestell-Nr. Order no.	Ø	A	L	Box	*€/Stück *€/piece
8147370058	6	12,3	21,0	10	1,70
8147370078	8	16,5	28,6	10	2,80
8147370098	10	20,0	35,0	5	3,90
8147370118	12	25,0	43,0	5	5,90



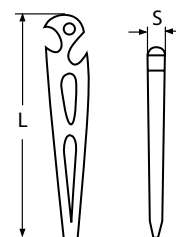
Farben: rot, blau, lila, gelb und grün gemischt.
Colours: red, blue, purple, yellow and green mixed.
Couleurs: rouge, bleu, violet, jaune et vert mixte.

Schäkelschlüssel / A2-AISI 304

Multi-purpose shackle key / Demanilleur-decapsuleur

8306

Bestell-Nr. Order no.	L	S	Box	*€/Stück *€/piece
83062100	100	2	5	2,10

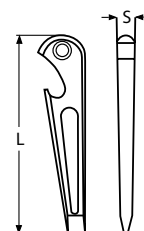


Schäkelschlüssel / A4-AISI 316

Multi-purpose shackle key / Demanilleur-decapsuleur

8977

Bestell-Nr. Order no.	L	S	Box	*€/Stück *€/piece
8977405	86	5	10	2,20



Schäkel, Karabinerhaken und Wirbel

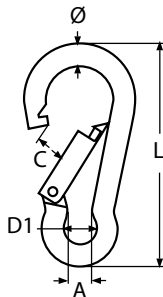
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8249

Karabinerhaken / A4-AISI 316

Spring hook / Mousqueton pompier

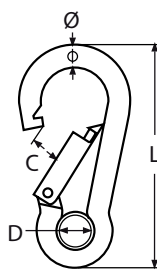


Bestell-Nr. Order no.	Ø	L	D1	A	C	**BL/kg	Box	*€/Stück *€/piece
8249403_30	3	30	5	4	5,5	280	10	1,10
8249404_40	4	40	9	5	7,0	330	10	1,30
8249405_50	5	50	10	6	8,0	410	10	1,50
8249406_60	6	60	11	8	9,0	500	10	1,60
8249407_70	7	70	13	8	9,0	550	10	2,00
8249408_80	8	80	13	8	9,0	640	10	2,30
8249410_100	10	100	16	10	12,0	870	5	4,30
8249411_120	11	120	18	11	16,0	1000	5	6,00
8249412_140	12	140	20	13	19,0	1100	5	7,30

8250

Karabinerhaken mit Kausche / A4-AISI 316

Spring hook with eyelet / Mousqueton pompier à œil

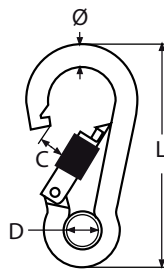


Bestell-Nr. Order no.	Ø	L	D	C	**BL/kg	Box	*€/Stück *€/piece
8250404_40	4	40	4,5	7	330	10	1,50
8250405_50	5	50	6,0	8	410	10	1,80
8250406_60	6	60	7,0	9	500	10	2,00
8250407_70	7	70	9,0	9	550	10	2,30
8250408_80	8	80	10,0	9	640	10	2,70
8250410_100	10	100	13,0	12	870	5	4,90
8250411_120	11	120	14,5	16	1000	5	6,90
8250412_140	12	140	18,0	19	1100	5	9,50

8232

Karabinerhaken mit Sicherheitsmutter und Kausche / A4-AISI 316

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

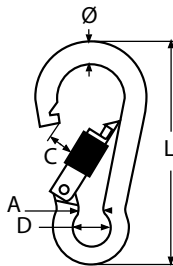


Bestell-Nr. Order no.	Ø	L	D	C	**BL/kg	Box	*€/Stück *€/piece
8232404_40	4	40	4,5	7	320	10	1,80
8232405_50	5	50	6,0	8	410	10	2,20
8232406_60	6	60	7,0	9	480	10	2,90
8232407_70	7	70	9,0	9	540	10	3,60
8232408_80	8	80	10,0	8	610	10	4,20
8232410_100	10	100	13,0	10	850	5	6,40
8232411_120	11	120	14,5	15	940	5	10,80

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	320	10	1,50
814594405_50	5	50	9	6	8	410	10	1,70
814594406_60	6	60	10	8	9	480	10	2,10
814594407_70	7	70	11	8	9	540	10	2,80
814594408_80	8	80	13	8	8	610	10	3,40
814594410_100	10	100	16	10	10	850	5	6,00
814594411_120	11	120	18	11	15	940	5	9,90

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

1

1

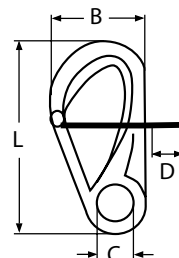
Bojen-Karabiner / A4-AISI 316

Mooring hook / Crochet d'amarage

8679

Bestell-Nr. Order no.	L	B	C	D	**BL/kg	Box	*€/Stück *€/piece
86794108_63	108	63	21	35	620	5	16,50

Öffnen und schließen mit dem Bootshaken.
Open and close with boathook.
Ouvrir et fermer avec gaffe.

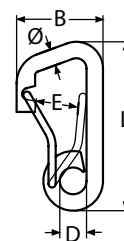


Karabinerhaken mit Bügel / A4-AISI 316

Spring hook with bow / Mousqueton pompier ressort asymétrique

8305

Bestell-Nr. Order no.	Ø	L	B	D	E	**BL/kg	Box	*€/Stück *€/piece
8305406	6	61	35	7	10	440	10	2,60
8305408	8	81	48	11	13	1020	10	3,50
8305410	10	102	58	13	15	1450	5	4,90
8305412	12	122	70	16	21	1880	5	8,90
8305416	16	165	97	25	27	2820	5	28,00

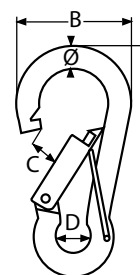


Karabinerhaken mit Sicherheitsverschluss / A4-AISI 316

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

8948

Bestell-Nr. Order no.	Ø	L	B	C	D	**BL/kg	Box	*€/Stück *€/piece
8948406_60	6	60	30	7,5	8,5	250	10	2,60
8948408_80	8	80	40	10,0	12,0	590	10	3,90
8948410_100	10	100	50	12,0	15,0	800	5	7,70

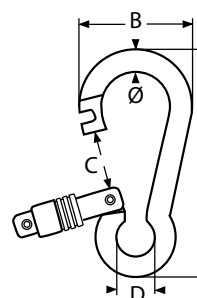


Karabinerhaken mit Springverschluss / A4-AISI 316

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

8949

Bestell-Nr. Order no.	Ø	L	B	C	D	**BL/kg	Box	*€/Stück *€/piece
8949405_50	5	55	26	15	8,0	190	10	3,40
8949406_60	6	60	30	16	8,5	210	10	4,30
8949408_80	8	80	40	23	12,0	500	10	6,70
8949410_100	10	100	50	27	15,0	790	5	10,60



Schäkel, Karabinerhaken und Wirbel

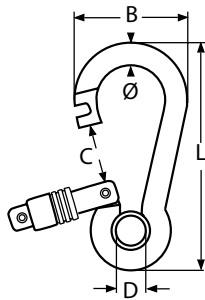
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8950

Karabinerhaken mit Springverschluss und Kausche / A4-AISI 316

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



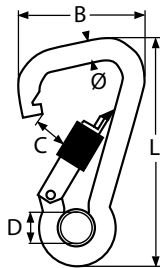
Bestell-Nr. Order no.	Ø	L	B	C	D	**BL/kg	Box	*€/Stück *€/piece
8950405_50	5	55	26	15	7,8	190	10	3,70
8950406_60	6	60	30	16	7,8	210	10	4,70
8950408_80	8	80	40	23	10,8	500	10	6,90
8950410_100	10	100	50	27	14,0	790	5	10,90

**Mousqueton pompier à oeil ouverture extérieure avec fermeture automatique

8951

Karabinerhaken asymmetrisch mit Sicherheitsmutter und Kausche / A4-AISI 316

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

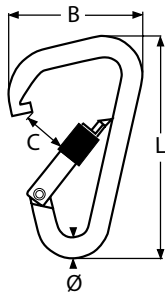


Bestell-Nr. Order no.	Ø	L	B	C	D	**BL/kg	Box	*€/Stück *€/piece
8951406_60	6	60	35	9,0	8	440	10	2,90
8951408_80	8	80	46	12,5	11	970	10	4,50
8951410_100	10	100	60	16,0	14	1470	5	8,50
8951411_120	11	120	70	21,5	18	1350	5	11,50

8953

Karabinerhaken mit Sicherheitsmutter / A4-AISI 316

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

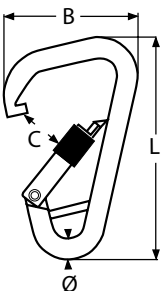


Bestell-Nr. Order no.	Ø	L	B	C	**BL/kg	Box	*€/Stück *€/piece
8953411_120	11	120	70	24	1360	5	14,10

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	1360	5	15,50

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

1

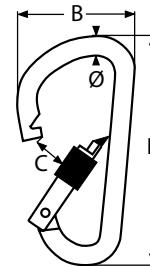
1

Karabinerhaken mit Sicherheitsmutter / A4-AISI 316

Spring hook with lock nut / Mousqueton - vis de sécurité

8955

Bestell-Nr. Order no.	Ø	L	B	C	**BL/kg	Box	*€/Stück *€/piece
8955410_115	10	115	60	19	1200	5	12,90

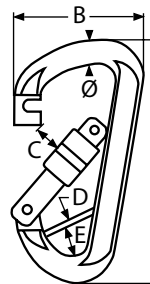


Karabinerhaken mit Springverschluss und Steg / A4-AISI 316

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

8956

Bestell-Nr. Order no.	Ø	L	B	C	D	E	**BL/kg	Box	*€/Stück *€/piece
8956408_64	8	80	45	12	1,7	13	900	10	7,90
8956410_80	10	100	55	14	2,0	16	1180	5	11,90

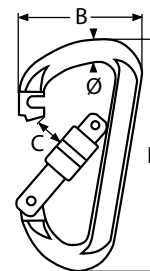


Karabinerhaken mit Springverschluss / A4-AISI 316

Spring hook with self-locking sleeve / Mousqueton à fermeture automatique

8957

Bestell-Nr. Order no.	Ø	L	B	C	**BL/kg	Box	*€/Stück *€/piece
8957408_64	8	80	45	11,5	900	10	7,30
8957410_80	10	100	55	14,0	1180	5	10,80

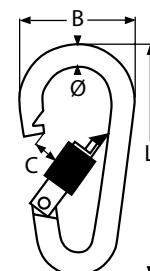


Karabinerhaken mit Sicherheitsmutter, Birnenform / A4-AISI 316

Spring hook with lock nut, pear shaped / Mousqueton avec vis de sécurité

8958

Bestell-Nr. Order no.	Ø	L	B	C	**BL/kg	Box	*€/Stück *€/piece
8958406_60	6	60	30	8,5	310	10	2,50
8958408_80	8	80	40	10,0	540	10	4,50
8958410_100	10	100	50	12,0	830	5	7,60
8958411_120	11	120	60	17,0	1000	5	11,00



Schäkel, Karabinerhaken und Wirbel

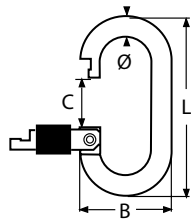
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8959

Karabinerhaken mit Sicherheitsmutter, oval / A4-AISI 316

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

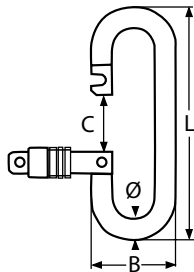


Bestell-Nr. Order no.	Ø	L	B	C	**BL/kg	Box	*€/Stück *€/piece
8959406_55	6	52	27	14	280	10	4,20
8959408_70	8	70	35	18	490	10	5,80

8960

Karabinerhaken mit Springverschluss, oval / A4-AISI 316

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

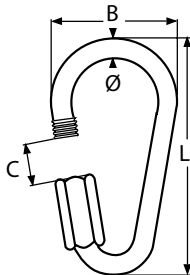


Bestell-Nr. Order no.	Ø	L	B	C	**BL/kg	Box	*€/Stück *€/piece
8960405_70	5	70	25	15	210	10	3,60
8960406_80	6	80	30	16	260	10	4,40
8960408_90	8	90	35	23	500	10	6,40
8960410_110	10	110	40	27	1070	5	11,00

8961

Schraubverbinder Birnenform / A4-AISI 316

Quick link pear shaped / Maillon rapide, type poire

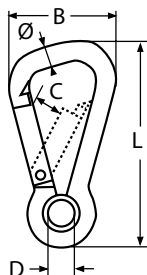


Bestell-Nr. Order no.	Ø	L	B	C	**BL/kg	Box	*€/Stück *€/piece
8961404_61	4	61	32	11	860	10	1,90
8961405_70	5	70	37	13	1450	10	2,50
8961406_82	6	77	42	14	1840	10	3,50
8961408_100	8	100	53	17	2940	10	5,90
8961410_118	10	118	63	20	5060	5	9,90
8961412_144	12	144	76	23	6460	5	16,90

8322

Karabinerhaken, asymmetrisch mit Kausche / A4-AISI 316

Asymmetric spring hook with eyelet / Mousqueton pompier asymétrique avec œil



Bestell-Nr. Order no.	Ø	L	B	C	D	**BL/kg	Box	*€/Stück *€/piece
8322408_80	8	80	45	13	11	690	10	3,25
8322410_100	10	100	58	18	14	750	5	6,50
8322411_120	11	120	70	24	18	950	5	7,60

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

1

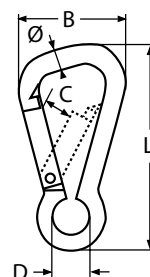
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NEW

Karabinerhaken, asymmetrisch / A4-AISI 316
Asymmetric spring hook / Mousqueton asymétrique

814841

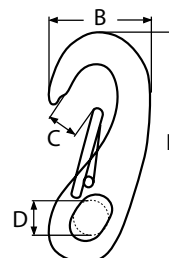
Bestell-Nr. Order no.	Ø	L	B	C	D	**BL/Kg Box	*€/Stück *€/piece
814841406 60	6	60	35,0	10	9	430 10	1,70
814841408 80	8	80	46,5	13	12	690 10	2,90
814841410 100	10	100	60,0	17	15	750 5	5,40
814841411 120	11	120	70,0	22	18	950 5	8,90



Karabinerhaken "Surf Snap" / A4-AISI 316
Spring hook "Surf Snap" / Mousqueton à œil "Surf Snap"

8251

Bestell-Nr. Order no.	L	B	C	D	Box	*€/Stück *€/piece
82514050	50	24	10	10,5	10	1,50
82514070	70	31	12	13,0	10	2,50
82514100	100	46	22	21,0	5	5,00

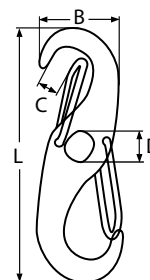


NEW

Doppelkarabinerhaken / A4-AISI 316
Double spring hook / Double mousqueton à œil

814844

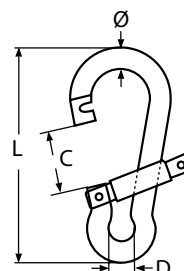
Bestell-Nr. Order no.	L	B	C	D	Box	*€/Stück *€/piece
8148444080	80	24	10	10,5	5	3,90
8148444110	110	31	12	13,0	5	4,80
8148444150	150	46	22	21,0	2	7,60



Karabinerhaken mit Spezialverschluss / A4-AISI 316
Spring hook with special closure / Mousqueton pompier grand passage

8293

Bestell-Nr. Order no.	Ø	L	C	D	**BL/kg	Box	*€/Stück *€/piece
8293408_80	8	80	15	12	570	10	3,50
8293410_100	10	100	17	16	830	5	6,70
8293411_120	11	120	23	19	900	5	9,50



Schäkel, Karabinerhaken und Wirbel

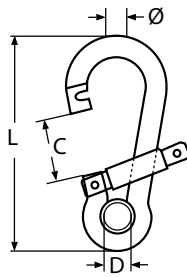
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8294

Karabinerhaken mit Spezialverschluss und Kausche / A4-AISI 316

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

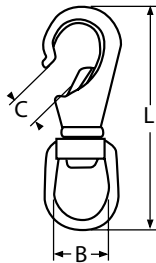


Bestell-Nr. Order no.	Ø	L	C	D	**BL/kg	Box	*€/Stück *€/piece
8294408_80	8	80	19	10	570	10	3,90
8294410_100	10	100	22	14	830	5	7,20
8294411_120	11	120	26	17	900	5	10,50

8257

Schnapphaken mit Wirbelauge / A4-AISI 316

Snap hook with swivel eye / Mousqueton à emerillon

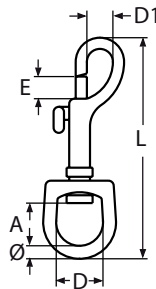


Bestell-Nr. Order no.	L	B	C	Box	*€/Stück *€/piece
8257416	86	21	11	5	4,50
8257419	100	21	12	5	6,00
8257422	118	21	16	5	8,50

8303

Wirbelkarabiner / A4-AISI 316

Swivel eye bolt snap / Mousqueton targette à émerillon

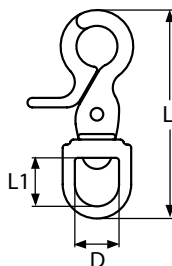


Bestell-Nr. Order no.	L	D	D1	Ø	A	E	Box	*€/Stück *€/piece
8303409	62	9	7	3	10,5	7	10	5,00
8303412	75	12	8	4	13,5	8	10	5,20
8303416	87	16	9	4	15,5	9	5	5,60
8303419	90	19	9	5	19,0	9	5	6,00

8534

Schnapphaken mit Wirbel / A4-AISI 316

Trigger snap with swivel eye / Mousqueton gachette à émerillon



Bestell-Nr. Order no.	L	L1	D	Box	*€/Stück *€/piece
8534413	65	16	12	5	6,80
8534416	65	19	15	5	7,80

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

1

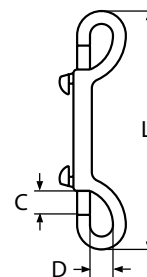
1

Doppelkarabiner / A4-AISI 316

Double snap hook / Mousqueton à targette double

8416

Bestell-Nr. Order no.	L	C	D	Box	*€/Stück *€/piece
84164115	115	10	11	5	5,80

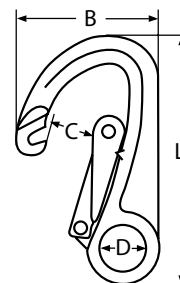


Karabinerhaken mit zweifacher Sperre / A4-AISI 316

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

8338

Bestell-Nr. Order no.	L	B	D	C	**BL/kg	Box	*€/Stück *€/piece
8338410_110	110	62	20	19	890	5	12,50

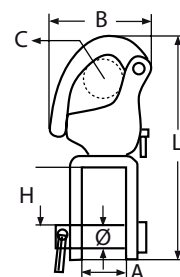


Schnappschäkel mit Wirbelschäkel / A4-AISI 316

Snap shackle with swivel shackle / Mousqueton de drisse à chape

8262

Bestell-Nr. Order no.	L	B	Ø	H	C	A	**BL/kg	Box	*€/Stück *€/piece
82624070	70	33	5	9	12	12	780	5	9,50
82624087	87	42	8	15	16	13	910	5	13,50
82624128	128	58	10	20	22	22	1800	5	16,50

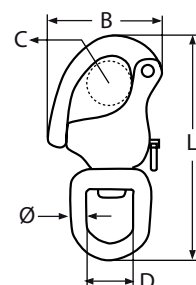


Schnappschäkel mit Wirbelauge / A4-AISI 316

Snap shackle with swivel eye / Mousqueton de drisse à émerillon

8252

Bestell-Nr. Order no.	L	B	Ø	C	D	**BL/kg	Box	*€/Stück *€/piece
82524070	70	33	5	12	12	880	5	8,50
82524087	87	42	6	16	16	930	5	11,90
82524128	128	58	8	22	22	2030	5	14,50



Schäkel, Karabinerhaken und Wirbel

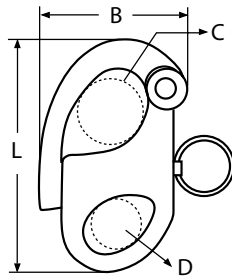
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8288

Schnappschäkel / A4-AISI 316

Snap shackle with fixed eye / Mousqueton de drisse à œil fixe

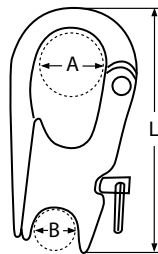


Bestell-Nr. Order no.	L	B	C	D	**BL/kg	Box	*€/Stück *€/piece
8288435	35	23	9	6	260	5	7,50
8288445	45	29	10	8	770	5	9,20
8288452	52	35	12	9	1100	5	9,60
8288466	66	45	16	12	1430	5	12,20
8288496	96	60	22	16	1790	5	13,50

8290

Schotschäkel "Fallschäkel" / A4-AISI 316

Sheet snap shackle / Mousqueton d'écoute

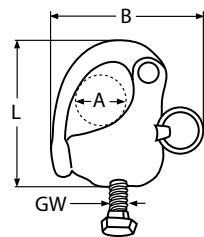


Bestell-Nr. Order no.	L	B	A	**BL/kg	Box	*€/Stück *€/piece
8290452	52	12	10	630	5	5,50
8290466	66	15	14	930	5	9,20
8290496	96	25	18	1610	5	14,50

8289

Schnappschäkel mit Schraube / A4-AISI 316

Snap shackle with screw / Mousqueton de drisse à vis

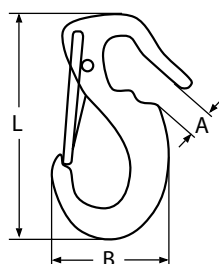


Bestell-Nr. Order no.	GW	L	B	A	**BL/kg	Box	*€/Stück *€/piece
8289406	M6	42	30	12	650	5	9,80
8289408	M8	53	40	16	750	5	12,00
8289410	M10	75	62	22	1600	5	15,30

8533

Stagreiter / A4-AISI 316

Piston hank / Bague de foc à materillon



Bestell-Nr. Order no.	L	B	A	Box	*€/Stück *€/piece
8533450	50	25	6,5	10	2,80
8533465	65	35	10,0	10	4,50
8533490	90	49	13,0	5	7,50

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

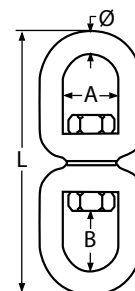
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1

Wirbel, Auge-Auge / A4-AISI 316
Eye and eye swivel / Emerillon œil / œil

8254

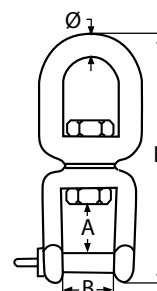
Bestell-Nr. Order no.	Ø	L	B	A	**BL/kg	Box	*€/Stück *€/piece
8254405	5	60	13	13	790	10	2,80
8254406	6	65	15	15	1130	10	3,00
8254408	8	90	22	20	2000	10	4,80
8254410	10	115	27	24	3170	5	7,70
8254413	13	154	35	32	4570	1	20,20
8254416	16	188	45	39	8130	1	33,00
8254419	19	231	50	41	12710	1	63,50



Wirbelschäkel, Auge-Gabel / A4-AISI 316
Eye and jaw swivel shackle / Emerillon œil / manille

8255

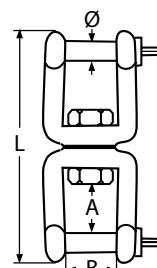
Bestell-Nr. Order no.	Ø	L	B	A	**BL/kg	Box	*€/Stück *€/piece
8255405	5	60	10	11,5	600	10	3,50
8255406	6	66	12	11,0	1130	10	3,70
8255408	8	94	16	16,0	2000	10	6,20
8255410	10	118	22	22,0	3150	5	9,50
8255413	13	152	28	28,0	4550	1	23,00
8255416	16	188	34	37,0	7500	1	36,20
8255419	19	229	38	45,0	12700	1	63,50



Wirbelschäkel, Gabel-Gabel / A4-AISI 316
Jaw and jaw swivel shackle / Emerillon à manille double

8256

Bestell-Nr. Order no.	Ø	L	B	A	**BL/kg	Box	*€/Stück *€/piece
8256405	5	60	10	11	600	10	3,80
8256406	6	66	12	11	1130	10	4,90
8256408	8	88	16	16	2000	10	6,70
8256410	10	118	20	22	3150	5	11,50
8256413	13	152	28	28	4550	1	26,00
8256416	16	188	34	37	7500	1	39,50
8256419	19	229	38	45	12700	1	75,00



Schäkel, Karabinerhaken und Wirbel

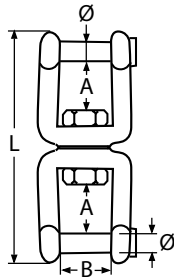
Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

8535

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

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

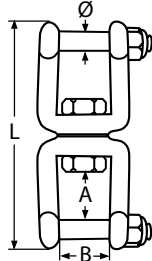


Bestell-Nr. Order no.	Ø	L	B	A	**BL/kg	Box	*€/Stück *€/piece
8535405	5	60	10	11	600	10	4,20
8535406	6	66	12	11	1130	10	5,30
8535408	8	88	16	16	2000	10	7,90
8535410	10	118	20	22	3150	5	15,00
8535413	13	152	26	28	4550	1	32,60
8535416	16	188	34	37	7500	1	52,00
8535419	19	229	38	45	12700	1	82,20

814840

Wirbelschäkel, Gabel-Gabel mit Innensechskant und Sicherungsmutter / A4-AISI 316

Jaw and jaw swivel shackle with hexagon socket and safety nut / *

NEW


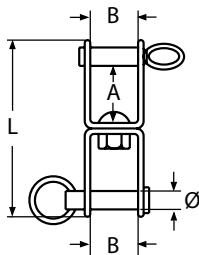
Bestell-Nr. Order no.	Ø	L	B	A	**BL/Kg	Box	*€/Stück *€/piece
814840406	6	66	12	11	1130	10	4,90
814840408	8	88	16	16	2000	10	9,50

*Emerillon à manille double avec vis HC et écrou de sécurité

8364

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

Jaw and jaw flat swivel shackle / Emerillon à 2 chapes

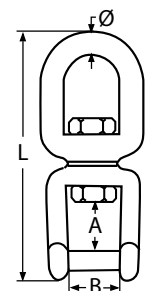


Bestell-Nr. Order no.	Ø	L	B	A	Box	*€/Stück *€/piece
8364212_47	5	47	12	10	10	9,80
8364214_55	6	62	14	11	10	11,70

814105

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

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



Bestell-Nr. Order no.	Ø	L	B	A	**BL/kg	Box	*€/Stück *€/piece
814105405	5	60	10	11	600	10	3,70
814105406	6	66	12	12	1130	10	4,40
814105408	8	92	16	16	2000	10	7,40
814105410	10	118	20	22	3150	5	13,50
814105413	13	152	26	28	4550	1	32,00
814105416	16	188	32	34	7500	1	49,20
814105419	19	229	38	44	12700	1	77,50

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

1

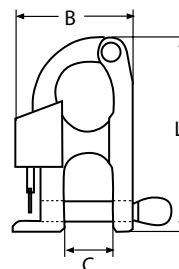
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Wasserskihaken / A4-AISI 316

Waterski hook / Crochet pour ski nautique

8485

Bestell-Nr. Order no.	C	L	B	**BL/kg	Box	*€/Stück *€/piece
8485460	16	60	36,5	440	5	9,50

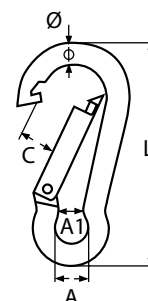


Alu-Karabinerhaken / Alu

Alu snap hook / Mousqueton en Alu

8488

Bestell-Nr. Order no.	Farbe Colour	Ø	L	A1	A	C	Box	*€/Stück *€/piece
848805 50	Gemischt / Mixed	5	50	6	10	8	10	0,90
848805 50BL	Blau / Blue	5	50	6	10	8	10	0,90
848805 50RO	Rot / Red	5	50	6	10	8	10	0,90
848805 50SI	Silber / Silver	5	50	6	10	8	10	0,90
848805 50GE	Gelb / Yellow	5	50	6	10	8	10	0,90
848805 50SC	Schwarz / Black	5	50	6	10	8	10	0,90
848806 60	Gemischt / Mixed	6	60	8	11	9	10	1,00
848806 60BL	Blau / Blue	6	60	8	11	9	10	1,00
848806 60RO	Rot / Red	6	60	8	11	9	10	1,00
848806 60SI	Silber / Silver	6	60	8	11	9	10	1,00
848806 60GE	Gelb / Yellow	6	60	8	11	9	10	1,00
848806 60SC	Schwarz / Black	6	60	8	11	9	10	1,00
848808 80	Gemischt / Mixed	8	80	8	13	9	10	1,20
848808 80BL	Blau / Blue	8	80	8	13	9	10	1,20
848808 80RO	Rot / Red	8	80	8	13	9	10	1,20
848808 80SI	Silber / Silver	8	80	8	13	9	10	1,20
848808 80GE	Gelb / Yellow	8	80	8	13	9	10	1,20
848808 80SC	Schwarz / Black	8	80	8	13	9	10	1,20

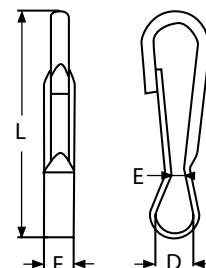


Simplexhaken / A2-AISI 304

Simplex hook / Mousqueton simplex

814387

Bestell-Nr. Order no.	L	D	E	F	Box	*€/Stück *€/piece
814387230	30	5,6	1,4	3,6	100	0,40
814387240	40	8,2	1,5	5,0	100	0,50
814387250	50	9,2	2,4	6,3	50	1,00
814387260	60	11,3	3,0	7,1	50	1,30



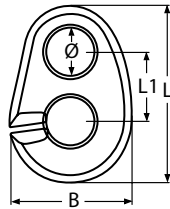
Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels

Manilles, mousquetons, emerillons

814656
Brummelhaken / A4-AISI 316

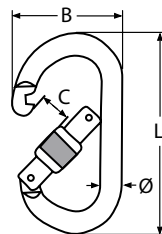
Flag hook / Crochet Accélérateur



Bestell-Nr. Order no.	Ø	L	B	L1	Box	*€/Stück *€/piece
814656406	16	57,5	38	22,3	10	4,40

814669
Karabinerhaken mit Sicherungsmutter / Alu

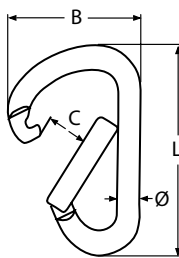
Spring hook with safety screw / Mousqueton Alu



Bestell-Nr. Order no.	Ø	L	B	C	Box	*€/Stück *€/piece
814669012 113	12	113	62,5	19	5	13,20

814670
Karabinerhaken / Alu

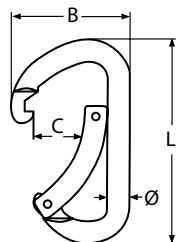
Spring hook / Mousqueton Alu



Bestell-Nr. Order no.	Ø	L	B	C	Box	*€/Stück *€/piece
814670012 116	12	116,5	74,5	24,5	5	9,60

814671
Karabinerhaken / Alu

Spring hook / Mousqueton Alu



Bestell-Nr. Order no.	Ø	L	B	C	Box	*€/Stück *€/piece
814671011 100	11	100	58,5	25	5	9,10

Schäkel, Karabinerhaken und Wirbel

Shackles, spring hooks and swivels
Manilles, mousquetons, emerillons

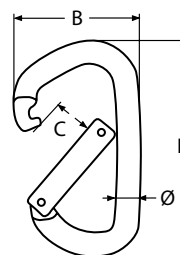
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Karabinerhaken / Alu
Spring hook / Mousqueton Alu

814672

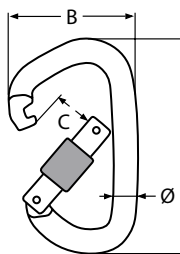
Bestell-Nr. Order no.	Ø	L	B	C	Box	*€/Stück *€/piece
814672012 111	12	111,5	66,8	21,5	5	11,30



Karabinerhaken mit Sicherungsmutter / Alu
Spring hook with safety screw / Mousqueton Alu

814673

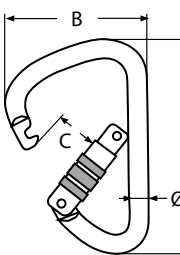
Bestell-Nr. Order no.	Ø	L	B	C	Box	*€/Stück *€/piece
814673012 111	12	111,5	66,8	19	5	14,30



Karabinerhaken mit Sicherungsmutter / Alu
Spring hook with safety screw / Mousqueton Alu

814674

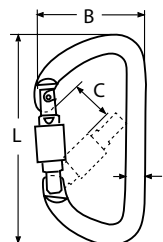
Bestell-Nr. Order no.	Ø	L	B	C	Box	*€/Stück *€/piece
814674012 116	12	116,5	74,5	22	5	14,20



Karabinerhaken mit Sicherungsmutter / Alu
Spring hook with safety screw / Mousqueton Alu

8493

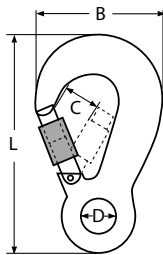
Bestell-Nr. Order no.	Ø	L	B	C	Box	*€/Stück *€/piece
8493011_116	11	116	64	22	5	13,00



8494

Alu-Karabinerhaken mit Sicherungsmutter / Alu

Safety spring hook / Mousqueton de sécurité en Alu à œil

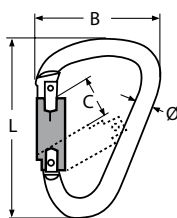


Bestell-Nr. Order no.	L	B	D	C	Box	*€/Stück *€/piece
84940130	130	80	21	21	5	14,60

8490

Karabinerhaken mit 1/4 Drehverschluss / Alu

Spring hook with 1/4 turn twist-lock / Mousqueton en Alu - 1/4 de tour

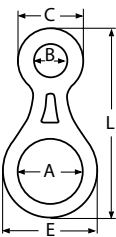


Bestell-Nr. Order no.	Ø	L	B	C	Box	*€/Stück *€/piece
8490012_120	12	120	80	25	5	17,50
8490014_190	14	190	104	46	5	26,10

8492

Abseilachter / Alu

Alu eight hook / Crochet en huit

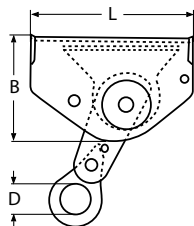


Bestell-Nr. Order no.	L	A	B	C	E	Box	*€/Stück *€/piece
84920145	145	51	26	48	76	5	14,00

8491

Steigklemme, Fallsicherung / A2-AISI 304

Rope shortener / Kit d'ascension



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