

WAVE LINE 2023



WWW.BLUEWAVE.DK

Innovative stainless steel solutions since 1932

Blue Wave has manufactured innovative stainless steel wire solutions since 1932. Our main markets are the marine, architecture and safety sectors, but the Blue Wave portfolio is broad and our components can be found in various projects around the world.

Based in Denmark, we pride ourselves of our sleek Scandinavian design and high standard. As a family-owned business, we have gained a close relationship to our customers through generations.

With an innovative mindset and investment in high tech machinery, we are constantly in development which enables us to follow market demand and meet our clients' needs. The extensive product range focuses on good design, low weight and optimum strength.

Blue Wave is ISO 9001 certified.

Information and contact

Please refer to your local Blue Wave distributor or the head office directly if you have any questions or need further documentation.

Note that Blue Wave reserves the right to make changes to the catalogue with no notification. Printing errors may occur.

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CONTENTS

5

INFORMATION

7

MACHINE SWAGE FITTINGS

- **7** Tension fork turnbuckles
- 8 Rigging screws
- **10** Terminals

10

HAND CRIMP FITTINGS

- **12** Tension fork turnbuckles
- 13 Rigging screws
- 14 Terminals

14

SWAGELESS FITTINGS

- **16** Tension fork turnbuckles
- **17** Rigging screws
- 18 Terminals
- **19** Swageless instruction

20

SPARE PARTS

- 20 Rigging screws
- **21** Long thread terminals
- 22 Thread terminals
- 23 Bodies
- 23 Tension fork
- 24 Accessories

24

WIRE ROPE



MACHINES AND TOOLS





GENERAL INFORMATION

Ensuring the safety of individuals working at height with correct wire attachment is crucial. This catalogue contains the components for our height safety wire system.

WIRE ATTACHMENT

The Blue Wave height safety fittings can be divided into three groups of wire terminals; each with an individual way of wire attachment.

• Machine swage fittings To reach optimal break load we recommend pressing or swaging/rolling the terminals onto the wire ropes.

Recommended machines are e.g. presses from TALURIT and roller swaging machines from WIRETEKNIK.

• Hand crimp fittings

A range of fittings with an outside diameter of \emptyset 13 mm that can be crimped onto the wires by using a handtool. Recommended tool is e.g. the Dubuis 18V Li-ion batterydriven tool.

• Swageless fittings

Swageless terminals enables onsite attachment when machines are not available or if the exact length of the wire is unknown.









Please pay attention to the icons in this catalogue

BREAK LOAD

Proper termination onto the wire can only be accieved by firmly pressing the material of the terminal onto the strands of the wire. In this way approximately 90 % of the wire break load will be achieved. When working with jaw terminals the gap must be filled to minimum 80 % of the jaw width in order to reach optimal break load. Swage tabels can be seen on www.bluewave.dk under "Catalogues and technical guidelines".

TRACEABILITY

Blue Wave products can be marked with a serial number if requested. This makes it possible for products to be traced back to specific production batches and raw material.

Declaration of compliance with order, test reports and inspection certificates are also made to order on request.







Tension turnbuckles for permanent and engineered height safety lifelines

Developed in accordance with DIN EN795, the new range of turnbuckles offer easy installation and inspection on Ø 8 mm (5/16") lifelines in almost every environment and application.

They are available as tension device and load indicator only and as tensioner, load indicator and compression shock absorbing device in one.

Users can easily adjust and read tension indicated on the turnbuckle where the innovative and compact design allows for short distance to anchor points. Sign of load impact will be clearly visual at inspection.





NEW RANGE OF TURNBUCKLES

THE TURNBUCKLE SYSTEM FEATURES:

- 100 % traceability in production
- Easy installation one side, 115 mm/4,5" adjustment
- Innovative and compact design with accurate and easy to use 800N load indicator
- Pin secured with lock nut, thread engagement inspection and seal holes
- AISI 316L stainless steel and alubronze materials
- Thread is visble through inspection hole when the turnbuckle is mounted correctly and loaded to 80 kg
- Design registred in Europe, the United Kingdom and Australia

EAS6





BLUE WAVE



AVAILABLE WITH:

kg/4.188 lbs

Loose spare terminals

• Ø 8 mm and 5/16" machine swage -, hand

Build in shock absorber, releasing at 600

crimp - and swageless wire terminals

kg/1.322 lbs; compresses up to 1.900





6 | Blue Wave Wave Line catalogue

PRESS

SWAGE

MACHINE SWAGE FITTINGS

We recommend pressing or swaging/rolling the terminals onto the wire ropes in order to achieve optimal break load.

TENSION FORK TURNBUCKLE WITH LOAD INDICATOR

Stainless steel - AISI 316L and alubronze

ART. NO.	WIRE		PIN			D1	D2	L1	L2	KW	BL/KG	KG/100	PACK
TF800812A	8	1/2″	12	17	42	16	3	386	276	16	6100	82,8	10
Spare terminals	see page	21											





TENSION FORK TURNBUCKLE WITH LOAD INDICATOR AND BUILD-IN SHOCK ABSORBER

Stainless steel - AISI 316L and alubronze



RIGGING SCREW TENSION FORK/TERMINAL

Polished stainless steel - AISI 316



RIGGING SCREW TENSION FORK/TERMINAL

Polished stainless steel - AISI 316

ART. NO.	G	WIRE	PIN	А	В	D	L1	L2	BL/KG	PACK
120812ATBW	1/2″	8	12	17	43	16	456	364	6100	10

Spares/loose parts see pages 22 and 23





RIGGING SCREW FORK/TERMINAL

Polished stainless steel - AISI 316L

ART. NO.		WIRE	PIN				L1	L2	BL/KG	PACK
120812A	1/2″	8	12,7	14	25	16	416	310	6100	5
120812	M12	8	12	14	25	16	416	310	5100	5
120814	M14	8	12	14	25	16	453	333	6800	5
120816AX	5/8″	8	16	18	32	16	499	366	8000	5
120816X	M16	8	16	18	32	16	499	366	8000	5



RIGGING SCREW FORK/TERMINAL

Polished stainless steel - AISI 316L and chromed bronze body

ART. NO.	G	WIRE	PIN	А	В	D	L1	L2	BL/KG	PACK
130812AN	1/2″	8	12,7	14	25	16	422	332	6100	5
130816AXN	5/8″	8	16	17	33	16	498	390	8000	5

RIGGING SCREW TOGGLE/TERMINAL

Polished stainless steel - AISI 316L

ART. NO.		WIRE	PIN				L1	L2	BL/KG	PACK
320812AX	1/2″	8	12,7	18	35	16	444	338	6100	5
320812X	M12	8	12,7	18	35	16	440	350	5100	5
320814X	M14	8	12,7	18	35	16	497	383	6900	5
320816AX	5/8″	8	16	20	41	16	533	419	8000	-
320816X	M16	8	16	20	41	16	528	398	8000	-



RIGGING SCREW TOGGLE/TERMINAL

Polished stainless steel - AISI 316L and chromed bronze body

ART. NO.	G	WIRE	PIN	А	В	D	L1	L2	BL/KG	PACK
330812AXN	1/2″	8	12,7	18	35	16	459	367	6100	5
330816AXN	5/8″	8	16	20	40	16	549	439	8000	-









TOGGLE TERMINAL

Polished stainless steel - AISI 316L

ART. NO.	WIRE	PIN	А	В	D	L1	L2	L3	BL/KG	РАСК
501308	8	12,7	18	33	16	170	83	30	6500	5
501608X	8	16	20	38,8	16	198,8	83	35	8700	5



THREAD TERMINAL

Polished stainless steel - AISI 316L

ART. NO. RIGHT	ART. NO. LEFT		WIRE	D1	L1	L2	L3	BL/KG
930812A	940812A	1/2″	8	16	185	80	83	6100
900812	910812	M12	8	16	185	80	83	5100
900814	910814	M14	8	16	194	83	89	6900
930816A	940816A	5/8″	8	16	203	83	100	8700
900816	910816	M16	8	16	203	83	100	8700







FORK TERMINAL

ART. NO.	WIRE	PIN	Α	В	D	L1	L2	BL/KG	PACK
101208	8	12	14	25	16	136	83	6500	10
101408	8	14	18	33	16	143	83	8000	10
101608	8	16	18	33	16	145	83	8500	10





EYE TERMINAL











HAND CRIMP FITTINGS



This range of fittings has an outside diameter of Ø 13 mm and can be crimped onto wire ropes by use of a hand tool.



HAND CRIMP TENSION FORK TURNBUCKLE WITH LOAD **INDICATOR**

Stainless steel - AISI 316L and alubronze

ART. NO.	WIRE	G	PIN	Α	В	D1	D2	L1	L2	KW	BL/KG	KG/100	PACK
TF800812AD	8	1/2″	12	17	42	13	3	386	276	16	4600	76,8	10
Spare terminals	see page	21											



HAND CRIMP TENSION FORK TURNBUCKLE WITH LOAD **INDICATOR AND BUILD-IN SHOCK ABSORBER**

Stainless steel - AISI 316L and alubronze



RIGGING SCREW FORK/TERMINAL

Polished stainless steel - AISI 316L

ART. NO.		WIRE	PIN				L1	L2	BL/KG	PACK
126812A	1/2″	8	12,7	14	25	13	404	316	4600	10
126812	M12	8	12	14	25	13	416	316	4600	10

Note: Also available with open body on request





RIGGING SCREW TOGGLE/TERMINAL

Polished stainless steel - AISI 316L

AKI. 110. C	g Wir	E PIN				L1	L2	BL/KG	PACK
320812AD 1/	2″ 8	12,7	18	35	13	442	348	4600	10
32081213 M	12 8	12	18	35	13	458	348	4600	10

Note: Also available with open body on request





RIGGING SCREW TENSION FORK/TERMINAL

Polished stainless steel - AISI 316L



BLU

E

VF



TOGGLE TERMINAL

Polished stainless steel - AISI 316L



THREAD TERMINAL

Polished stainless steel - AISI 316L

ART. NO. RIGHT	ART. NO. LEFT	G	WIRE	D1	L1	L2	L3	BL/KG
930812D	940812D	1/2″	8	13	185	80	83	4600
90081213	91081213	M12	8	13	185	80	83	4600















DOUBLE TERMINAL

Polished stainless steel - AISI 316L



EYE TERMINAL

ART. NO.	WIRE	т	В	D1	D2	L1	L2	BL/KG	PACK
190008D	8	10	30	13	14,5	123,5	83	4600	10







SWAGELESS FITTINGS

Swageless terminals enables onsite attachment when machines are unavailable or if the exact length of the final wire is unknown.





Stainless steel - AISI 316L and alubronze







Stainless steel - AISI 316L and alubronze

ART. NO.	WIRE	G	PIN	А	В	D2	L1	L2	KW 1	KW 2	BL/KG	KG/100	РАСК
SA8008SS	8	1/2"	12	17	42	3	405	295	24	16	5600	108	10
Spare termina	ils see pa	ge 21											
KW 1	KW :						2		L A T				







RIGGING SCREW SWAGELESS FORK/TERMINAL

Polished stainless steel - AISI 316L - suits 7x7 and 7x19 wire construction



RIGGING SCREW SWAGELESS TOGGLE/TERMINAL

Polished stainless steel - AISI 316L - suits 7x7 and 7x19 wire construction



RIGGING SCREW SWAGELESS TENSION FORK/TERMINAL

Polished stainless steel - AISI 316L - suits 7x7 and 7x19 wire construction





SWAGELESS TOGGLE TERMINAL

Polished stainless steel - AISI 316L - suits 7x7 and 7x19 wire construction



SWAGELESS THREAD TERMINAL

Polished stainless steel - AISI 316L - suits 7x7 and 7x19 wire construction

ART. NO. RIGHT	ART. NO. LEFT		WIRE	KW1	KW2	L1	L2	L3	BL/KG
800812ASS	810812ASS	1/2″	8	19	24	162	107	80	5600
800812SS	810812SS	M12	8	19	24	162	107	80	5100
800814SS	810814SS	M14	8	19	24	171	122	89	5600
800816ASS	810816ASS	5/8″	8	19	24	182	133	100	5600
800816SS	810816SS	M16	8	24	27	190	139	100	5600





SWAGELESS FORK TERMINAL

Polished stainless steel - AISI 316L - suits 7x7 and 7x19 wire construction

ART. NO.	WIRE	PIN	Α	В	KW1	KW2	L1	L2	L3	BL/KG	РАСК
841208SS	8	12	14	21	24	58	103	118	58	5600	5
841408SS	8	14	14	21	24	58	103	118	58	5600	5





SWAGELESS EYE TERMINAL

Polished stainless steel - AISI 316L - suits 7x7 and 7x19 wire construction





SWAGELESS INSTRUCTION





SPARE PARTS



RIGGING SCREW FORK/FORK

Polished stainless steel - AISI 316L

ART. NO.	G	PIN	А	В	L1	L2	BL/KG	РАСК
120012A	1/2″	12,7	14	25	350	244	6100	5
120012	M12	12	14	25	350	244	5100	5
120014X	M14	14	18	32	405	295	6900	5
120016X	M16	16	18	33	446	313	9400	5



RIGGING SCREW TENSION FORK/FORK

Polished stainless steel - AISI 316L



RIGGING SCREW LH FORK/BLANK









LONG THREAD TERMINAL

Stainless steel - AISI 316L

A.C. 100.	WIRE	G	רט	02	L1	L2	L3	BL/KG	KG/100	PACK
05M0812ATD	8	1/2″	13	3	254	142	84	4600	22	10
Spare terminal for	art. no. TF8(00812AD a	and SA800	812AD						
				L2		► ►				
L3		D2		_ _G						
LONG THI	READ 1	FERM	INAL	4	2					
	el - AISI	316L	D1	CRI	MP	12	12		KC (100	DACK
ART. NO. 05M0812AT	el - AISI	316L G 1/2″	D1 16	CR D2 3	MP <u> L1</u> 254	L2 142	L3 84	BL/KG 6100	KG/100 28	PACK 10

PRESS SWAGE

SWAGELESS LONG THREAD TERMINAL

Stainless steel - AISI 316L



ART. NO.	WIRE	G	D	L1	L2	KW1	KW2	BL/KG	KG/100	PACK
T800812ASS	8	1/2"	3	224	142	19	24	5600	35	10

Spare terminal for art. no. TF8008SS and SA8008SS











Polished stainless steel - AISI 316L



THREAD FORK

Polished stainless steel - AISI 316L

ART. NO. RIGHT	ART. NO. LEFT	G	PIN	А	В	L1	L2	BL/KG
021212AB	031212AB	1/2″	12,7	14	25	119	80	6100
021212B	031212B	M12	12	14	25	119	80	5000
021212XB	031212XB	M12	12	18	33	129	80	5000
021214B	031214B	M14	12	18	25	137	90	6900
021216AB	031216AB	5/8″	16	20	41	199	100	9900
021216B	031216B	M16	1/	18	22	151	100	9400





THREAD EYE

Polished stainless steel - AISI 316L

1	ART. NO. RIGHT	ART. NO. LEFT	G	т	D1	D2	L1	L2	BL/KG	PACK
	021912A	031912A	1/2″	10	13,2	28	105	80	6100	10
	021912	031912	M12	8	13	25	110	80	5100	10
	021914	031914	M14	9	13	28	124	90	6800	10
	021916A	031916A	5/8″	10	14,5	31	134	100	9900	10
	021916	031916	M16	10	14,5	31	133	100	9400	10
							G			

THREAD TERMINAL

Polished stainless steel - AISI 316L





Note: For details please see data tables on pages 10 and 14





OPEN BODY

Stainless steel - AISI 316 and chromed bronze





CLOSED BODY

Polished stainless steel - AISI 316L

ART. NO.	G	D	Ø	L	BL/KG	PACK
011212	M12	21	7	152	5100	1
011212A	1/2″	21	7	152	6100	1
011216	M16	27	8	190	9400	1
011216A	5/8″	27	8	190	9900	1





TENSION FORK









LOCK NUT

Polished stainless steel - AISI 316L

ART. NO. RIGHT	ART. NO. LEFT	G	KW	В
041212A	051212A	1/2″	17	8
041212	051212	M12	17	8
041214	051214	M14	19	10
041216A	051216A	5/8″	22	11
041216	051216	M16	22	11



L3

SECURITY NUT FOR TENSION FORK

Polished stainless steel - AISI 316L

ART. NO.	G	В	KW
044310S	M10	9,8	17



PIN FOR TENSION FORK

Polished stainless steel - AISI 316L

Polished stainless steel - AISI 316L

12

12,7

14

16

ART. NO.	G	D	KW	L1	L2	L3	BL/KG
062812TF	M10	12	17	45	40	12	2200

4

4

4

8,5

19

23

28

28

33

34

100

100





\bigcap





в



SPLIT PIN

PIN

ART. NO 062812

062813

063214

063416

G RING

070603

070604

Polished stainless steel - AISI 316L

Polished stainless steel - AISI 316L

1,5

2

ART. NO.	D	L	РАСК
070613	3	25	100
0706131	3,2	20	100
0706131	3,2	20	100

THIMBLE

ART. NO.	А	A1	В	L	S	KG/100	PACK
110007	8	11	19	33	1,5	1,4	100
110008	9	13,5	22	38	2	2,6	50



WIRE ROPE

On reels of 125, 250 and 500 meters. Other lengths available on request.

7x19

Stainless steel - AISI 316

ART. NO.	Ø	CONSTRUCTION	LENGTH	
WR719081	8	7x19	125m	
WR719082	8	7x19	250m	
WR719083	8	7x19	500m	

7x7

Stainless steel - AISI 316

ART. NO.		CONSTRUCTION	LENGTH
WR707081	8	7x7	125m
WR707082	8	7x7	250m
WR707083	8	7x7	500m





1x19

Stainless steel - AISI 316

ART. NO.	Ø	CONSTRUCTION	LENGTH
WR119081	8	1x19	125m
WR119082	8	1x19	250m
WR119083	8	1x19	500m



- Common



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MACHINES AND TOOLS



WIRETEKNIK ROLLER SWAGING MACHINE

Machine including 8 mm die

ART. NO.	DESCRIPTION	
WTA200	With hand pump	
WTA200PUH1	With PUH1 power unit instead of hand pump	
WTA200230V	Ready to use 230 V	
WTA200400V	Ready to use 400 V	
WTA20008	Extra roller die 8 mm	
WTA20008	Extra roller die 8 mm	

For fittings with OD 16 mm



One-hand-operated arctool delievered in toolbox with a 18V 2200 mAh battery. Charges up to 1000 times. Each charge delivers power to press up to appx 100 times. For easy use and access on narrow places the heas is turnable 180 degrees. The pressing force is 5,5 kN and a "click" will be heard when pressing is complete. The tool is CE certified.



HAND CRIMP TONG - DUBUIS 18V

ART. NO.	DESCRIPTION
DUBACC	Complete tool incl. battery and die
DUBBAT	Extra battery
DUB05D	Extra 8 mm die

For fittings with OD 13 mm

WIRE CUTTER Cuts up to Ø 12 mm cable

650 mm/2,8 kg







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Blue Wave reserves the right to change specifications and descriptions contained in the Wave Line catalogue with no notification. Printing errors may occur. 2022/2023 - 1. editior