



MARINE
Rigging Hardware

Welcome

to the Blue Wave Marine Catalogue.

We are pleased to present an extensive range of our High quality Danish produced stainless steel fittings. We offer the widest range in wire fittings on the market, and a complete range of rod fittings.

Our products are a result of input received from our customers, and our experienced and dedicated Blue Wave team.

For over 75 years we have successfully developed new products, and strived to meet and exceed our customers' requirements. With your continued co-operation, we intend to continue this trend for many years to come.

It is our hope that the Blue Wave Marine Catalogue, will give you an idea of the extensive range of marine rigging hardware that Blue Wave can offer.

The Blue Wave Sales Team, is looking forward being able to assist, you with your future requirements, and a continued good relationship.

We look forward to your call.....



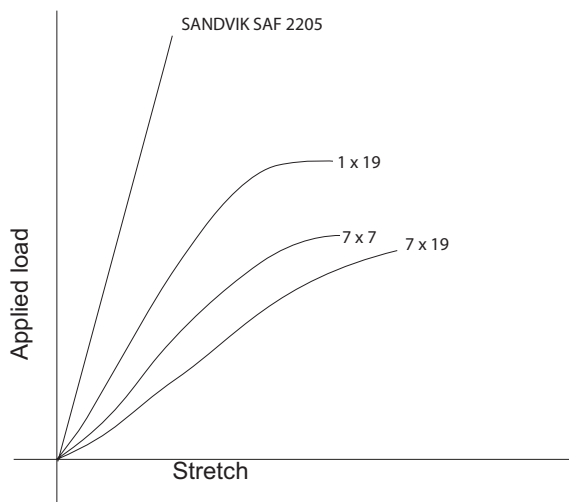
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Useful Information

Rig Maintenance

All rigs should be checked and maintained regularly. The rig and sails are your boat's "engine" and as with all engines, the fittings should be checked at least twice a year. Are your rigging screws starting to fail? Are all treads and pins intact? Cleaning the fittings and adding fresh lubricant, will extend the lifetime of your rig. A rig's lifetime depends upon the standard of maintenance, however as a general rule, your boat needs to be de-rigged and inspected, at least every other year. A qualified inspector should inspect a wire rig after 10-15 years and a rod rig after 5-8 years.



Stretch in wire and rod

The reason that a rod rig has generally a shorter lifetime than a wire rig, is that the wire rig has a higher flexibility than the rod rig. An exception is Dyform or compacted wire, which on the whole does not stretch.

Stretch is the amount by which a material can be increased in size (lengthened or widened) by pulling.

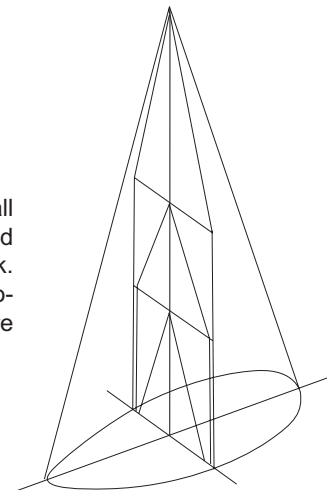
Stretch is always one of the critical factors considered when designing a rig. Low stretch under high loads is important for the final performance of a rigging configuration.

Wire or Rod Rigging?

Blue Wave offers a wide range of high quality stainless steel marine fittings. The Blue Wave range complies with AISI 316 standards and is also available in chrome bronze. There are several interchangeable combinations of components, which can be used to complete the optimal wire or rod rig for almost every boat. We trust you enjoy using our catalogue and are sure you will find something to meet your requirements. You may like to keep in mind the following, when deciding on the next rig for your boat:

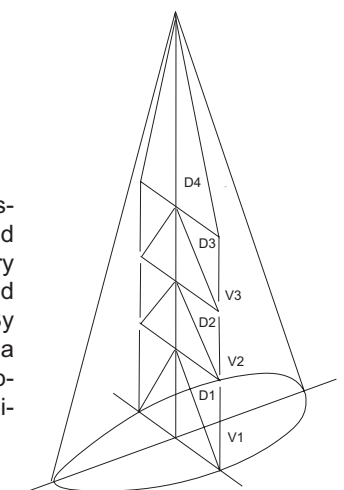
Continuous

Most popular version where all shrouds (upper, intermediate and lower) are terminated on deck. Represents a simple and economical solution, weaknesses are weight and aerodynamics.



Discontinuous

This type of rigging is more sophisticated. All shrouds are terminated both at the top and ends of every mast section (panel). Only V1 and D1 are terminated on deck. By adjusting length of spreaders, a reduction of elasticity can be obtained. By choosing wire/rod diameters according to applied





Wire Rigging Facts and Information

Facts and information - working with wire fittings..

When planning a wire construction the ultimate break load, as well as the work load, must be calculated, as it will determine the minimum wire size and maybe the wire construction needed.

Blue Wave's fitting's, unless otherwise stated, are constructed after termination to meet 90% of the break load on the wire ropes that are standard in the market. PLEASE NOTE : in order to guarantee safety in a wire construction you should calculate a safety factor of 2-3 on static constructions and a minimum of 5 on dynamic constructions. As a general rule working loads should never exceed 20% of the break loads stated in this catalogue.

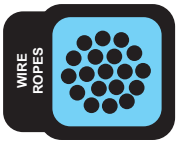
For further details ask your Blue Wave/Marine distributor or contact Blue Wave A/S.

Break loads

UNF THREAD SIZE	WIRE Ø METR.	WIRE Ø INCH	BREAK LOAD
1/4"	3	1/8"	1300 KG
1/4"	4	5/32"	1300 KG
5/16"	4	5/32"	2350 KG
5/16"	5	3/16"	2350 KG
3/8"	5	3/16"	3500 KG
3/8"	6	-	3500 KG
3/8"	-	1/4"	3500 KG
7/16"	6	-	4700 KG
7/16"	7	9/32"	4700 KG
1/2"	6	-	5400 KG
1/2"	-	1/4"	5400 KG
1/2"	7	9/32"	5400 KG
1/2"	8	5/16"	5400 KG
5/8"	8	5/16"	8000 KG
5/8"	-	3/8"	8000 KG
5/8"	10	-	8000 KG
3/4"	-	3/8"	13000 KG
3/4"	10	-	13000 KG
3/4"	12	-	13000 KG
3/4"	-	1/2"	13000 KG
7/8"	14	-	17000 KG
1"	16	5/8"	24000 KG
1-1/8"	19	3/4"	25500 KG
1-1/4"	22	7/8"	31000 KG
1-3/8"	26	1"	43000 KG

Swage dimensions

Wire Ø mm	Wire Ø Inch	Inside diameter in mm (+/-0,2)	Outside diameter in mm (+/-0,10)	Depth in mm (+/-1,5)	After Swaging mm
2,0	1/16"	2,2	5,50	32	4,7-4,82
2,5	3/32"	2,8	5,50	32	4,7-4,82
3,0	1/8"	3,5	6,35	38	5,44-5,56
4,0	5/32"	4,4	7,50	45	6,23-5,35
5,0	3/16"	5,3	9,00	51	7,83-7,95
5,5	7/32"	5,8	10,80	59	9,35-9,50
6,0	-	6,5	12,58	64	10,95-11,12
6,3	1/4"	6,8	12,58	64	10,95-11,12
7,0	9/32"	7,5	14,20	70	12,5-12,7
8,0	5/16"	8,4	16,00	83	14,07-14,3
9,5	3/8"	10,0	17,80	89	15,7-15,9
10,0	-	10,5	17,80	89	15,7-15,9
12,0	-	12,5	20,00	105	17,6-17,8
13,0	1/2"	13,5	21,40	120	18,82-19,05
14,0	-	14,8	25,00	140	22,0-22,23
16,0	-	17,0	28,00	160	25,15-25,40
19,0	-	20,0	34,50	200	31,44-31,75
22,0	-	23,5	40,50	230	36,2-36,50
26,0	-	27,5	46,00	280	40,97-41-28








MARINE
RIGGING HARDWARE

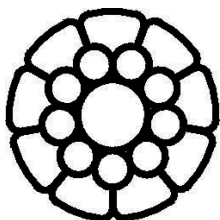
To complement our range of products, we offer wire rope in metric sizes, made in AISI 316 stainless steel.

Our ropes are manufactured with high tensile strands. The strands are made by twisting single wires together helically. Depending on application or use, wires are twisted together; the more wires used, the more flexible the wire rope.

Wire construction = Number of strands x Number of wires per strand. For example 1 x19 or 7 x7 .

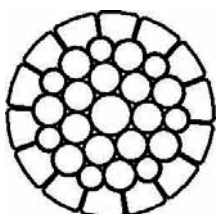
CONSTRUCTION	DIMENSIONS	CHARACTERISTICS	APPLICATIONS
1 x 19	 ø2 - 10 mm ø12mm and up on request	Very stiff	- Suspension & Control cables - Standing rigging
7 x 19	 ø2 - 10 mm ø 12 mm and up on request	Very flexible	- Blind systems - Standing rigging - Steering cables
7 x 7	 ø2 - 10 mm ø10 mm and up on request	Flexible	- Suspension & positioning - Systems Control cables - Average duty movements
1 x 19	 Coated wire rope ø4 / 6 mm ø4 / 8 mm ø5 / 8 mm	Stiff	- Guardrails
7 x 7	 Coated wire rope ø4 / 6 mm ø4 / 8 mm	Very flexible	- Guardrails - Suspension & tensioning

S.S. COMPACTED STRAND WIRE 7X19 Stainless Steel - AISI 316



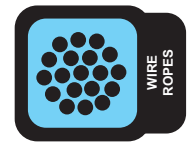
ART. NO.	DIM MM	TENSILE STRENGTH KN	CA. KG/100 M
WD11904	4,0	17,46	9,1
WD11905	5,0	25,49	14,2
WD11906	6,0	35,29	20,5
WD11907	7,0	49,02	27,9
WD11908	8,0	61,76	36,5
WD11910	10,0	98,04	57,0
WD11912	12,0	142,15	82,1

S.S. COMPACTED STRAND WIRE 1X36 Stainless Steel - AISI 316



ART. NO.	DIM MM	TENSILE STRENGTH KN	CA. KG/100 M
WD13614	14,0	194,11	115,9
WD13616	16,0	253,92	149,9

COMPACTED STRAND ONLY ON REQUEST

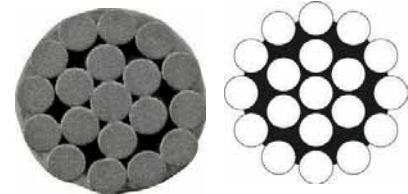


S.S. WIRE ROPE

Stainless Steel - AISI 316

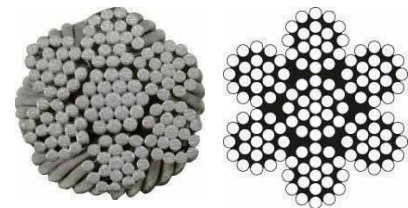
1 x 19 AISI 316 BS MA 29 : 1982

ART. NO.	DIM. MM	TENSILE STRENGTH KN	CA. KG/100 M
WR11902	2,0	3,14	1,99
WR11925	2,5	4,90	3,10
WR11903	3,0	7,06	4,47
WR11904	4,0	12,60	7,95
WR11905	5,0	19,60	12,40
WR11906	6,0	28,20	17,90
WR11907	7,0	34,80	24,30
WR11908	8,0	45,50	31,80
WR11910	10,0	71,10	49,70
WR11912	12,0	102,00	71,30



7 x 19 AISI 316 BS MA 29 : 1982

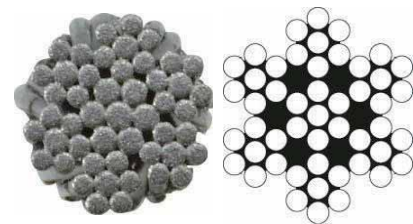
ART. NO.	DIM. MM	TENSILE STRENGTH KN	CA. KG/100 M
WR71902 #	2,0	2,08	1,58
WR71925 #	2,5	3,25	2,40
WR71903	3,0	5,00	3,84
WR71904	4,0	8,89	6,49
WR71905	5,0	13,90	9,14
WR71906	6,0	20,00	13,80
WR71908	8,0	35,60	23,87
WR71910	10,0	55,60	40,30
WR71912	12,0	80,00	55,00



= According to DIN 3060

7 x 7 AISI 316 BS MA 29 : 1982

ART. NO.	DIM MM	TENSILE STRENGTH KN	CA. KG/100
WR70702	2	2,37	1,71
WR70725	2,5	3,71	2,6
WR70703	3	5,34	3,85
WR70704	4	9,49	7
WR70705	5	14,80	10,5
WR70706	6	21,40	14,8
WR70708	8	38,00	25,5
WR70710	10	59,30	38,8



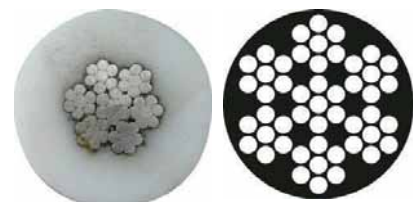
1 x 19 AISI 316 COATED WHITE

ART. NO.	DIM MM	TENSILE STRENGTH KN	CA. KG/100 M
CW119460	4,0-6,0	12,60	9,50
CW119480	4,0-8,0	12,60	13,50
CW119580	5,0-8,0	19,60	17,20



7 x 7 AISI 316 COATED WHITE

ART. NO.	DIM MM	TENSILE STRENGTH KN	CA. KG/100 M
CW707460	4,0-6,0	9,49	8,75
CW707480	4,0-8,0	9,49	9,50



Note: The user is responsible for choosing the proper cable diameter and for correct assembly.

BLUE WAVE deliver wire rope in following standard reel sizes:

For 125 Meter Reels Please add **1** Eg. WR11902**1** = 1x19, Dia. 2mm x 125 M.

For 250 Meter Reels Please add **2** WR11902**2** = 1x19, Dia. 2mm x 250 M.

For 500 Meter Reels Please add **3** WR11902**3** = 1x19, Dia. 2mm x 500 M.



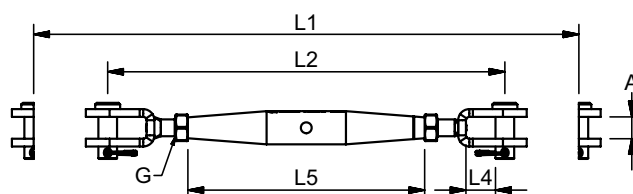
MARINE
RIGGING HARDWARE

FORK/FORK METRIC

High Polished Stainless Steel - AISI 316

The price favourable and durable Stainless Steel Rigging Screw line from Blue Wave has been a favourite among Riggers and yachtsmen for the last 50 years. It offers a variety of features. Laser engraved thread size, Blue Wave logo, and side marking of the left thread.

ART.NO.	THREAD G	L1	L2	L4	L5	A	PIN SIZE	BL	KG/100	PACK
120005	M5	180	126	9,4	80,0	7,5	5,0	800 KG	5,1	10
120006	M6	200	138	9,4	92,0	7,5	5,0	1250 KG	9,0	10
120006X	M6	202	140	10,4	92,0	9,5	6,0	1300 KG	14,0	10
120008	M8	234	158	10,4	112,0	9,5	6,0	1300 KG	15,0	10
120008X	M8	240	166	12,2	112,0	11	8,0	2350 KG	15,0	10
120010	M10	272	188	14,0	120,0	11	8,0	2350 KG	24,0	10
120010X	M10	280	196	14,0	120,0	12	9,5	3500 KG	26,0	10
120012	M12	350	244	18,5	152,0	14	12,0	5100 KG	52,5	5
120014X	M14	403	283	24,7	172,0	18	14,0	5900 KG	63,5	5
120016X	M16	446	313	24,3	192,0	18	16,0	8000 KG	100,0	5
120020	M20	550	390	38,3	223,0	24	19,0	13000 KG	197,0	BULK
120022	M22	653	472	46,0	270,0	30	22,0	17000 KG	430,0	BULK
120024	M24	769	536	47,8	320,0	30	25,4	20000 KG	638,0	BULK



FORK/TERMINAL METRIC

High Polished Stainless Steel - AISI 316

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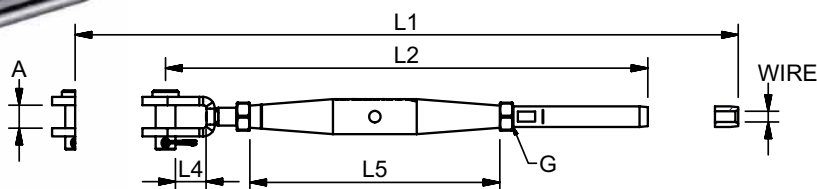
BRONZE INSERTS & KEY WITH

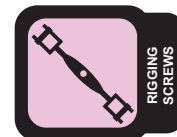
ART.NO.	THREAD G	WIRE	L1	L2	L4	L5	A	PIN SIZE	BL	KG/100	PACK
120205	M5	2,0	206	152	9,4	80	7,5	5,0	800 KG	4,5	10
122505	M5	2,5	206	152	9,4	80	7,5	5,0	800 KG	4,6	10
120306	M6	3,0	232	170	9,4	92	7,5	5,0	1250 KG	8,5	10
120306X	M6	3,0	233	171	10,4	92	9,5	6,0	1300 KG	8,5	10
120406	M6	4,0	242	180	10,4	92	7,5	5,0	1000 KG	8,7	10
120406X	M6	4,0	242	180	10,4	92	9,5	6,0	1300 KG	9,1	10
120408	M8	4,0	275	199	10,4	112	9,5	6,0	1300 KG	13,0	10
120408X	M8	4,0	277	201	12,2	112	11,0	8,0	2350 KG	13,0	10
120510	M10	5,0	312	228	14,0	120	11,0	8,0	2350 KG	22,5	10
120510X	M10	5,0	316	232	14,0	120	12,0	9,5	3500 KG	22,5	10
120612	M12	6,0	393	287	18,5	152	14,0	12,0	5100 KG	47,5	5
120714X	M14	7,0	447	327	24,7	172	18,0	14,0	5900 KG	58,0	5
120816X	M16	8,0	499	366	24,3	192	18,0	16,0	8000 KG	89,5	5
121020	M20	10,0	587	427	38,3	223	24,0	19,0	13000 KG	170,1	BULK
121220	M20	12,0	606	446	38,3	223	24,0	19,0	13000 KG	170,1	BULK
* 121220X	M20	12,0	622	462	38,3	223	24,0	19,0	13000 KG	170,1	BULK
121422	M22	14,0	736	556	46,0	270	30,0	22,0	17000 KG	386,0	BULK
121624	M24	16,0	874	641	47,8	320	30,0	25,4	20000 KG	662,0	BULK

* Note: Terminal OD.=21,4 mm

Note: All breakloads are determined by clevis pin and thread.

The user is responsible for choosing the proper cable diameter and for correct assembly.





MARINE
RIGGING SYSTEM

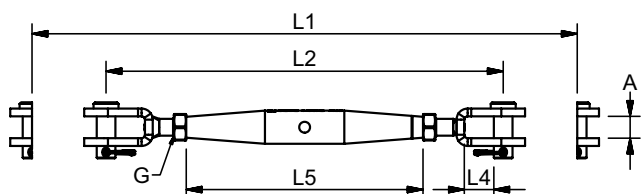
FORK/FORK UNF

High Polished Stainless Steel - AISI 316

The price favourable and durable Stainless Steel Rigging Screw line from Blue Wave has been a favourite among Riggers and yachtsmen for the last 50 years. It offers a variety of features. Laser engraved thread size, Blue Wave logo, and side marking of the left thread.

ART.NO.	THREAD G	L1	L2	L4	L5	A	PIN SIZE	BL	KG/100	PACK
120006A	1/4"	232	140	10,4	92	9,5	6,35	1300 KG	10,0	10
120008A	5/16"	242	168	12,2	112	11	8,0	2350 KG	15,0	10
120010A	3/8"	274	190	14,0	120	12	9,5	3500 KG	25,1	5
120011A	7/16"	310	219	16,5	152	12	11,0	4700 KG	35,2	5
120012A	1/2"	350	244	18,1	152	14	12,7	5400 KG	54,5	5
120016AX	5/8"	447	314	24,3	192	18	16,0	8000 KG	100,0	5
120020A	3/4"	548	388	38,3	223	24	19,0	13000 KG	197,0	BULK
120022A	7/8"	652	471	46,0	270	30	22,0	17000 KG	430,0	BULK
120025A	1"	766	536	47,8	320	30	25,4	24000 KG	643,0	BULK

Note: All break loads are determined by clevis pin and thread.
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BRONZE INSERTS & KEY WITH

FORK/TERMINAL UNF

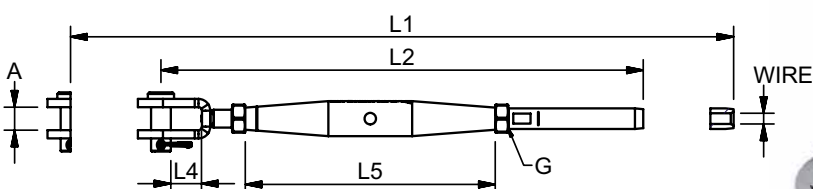
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ART.NO.	THREAD G	WIRE	L1	L2	L4	L5	A	PIN SIZE	BL	KG/100	PACK	
120306A	1/4"	3,0	1/8"	233	170	10,4	70	9,5	6,35	1300 KG	8,7	10
120406A	1/4"	4,0	5/32"	242	180	10,4	70	9,5	6,35	1300 KG	9,0	10
120408A	5/16"	4,0	5/32"	275	199	12,2	112	11	8,0	2350 KG	13,3	10
120510A	3/8"	5,0	3/16"	306	222	14,0	120	12	9,5	3500 KG	23,2	10
125510A	3/8"		7/32"	314	230	14,0	120	12	9,5	3500 KG	24,5	10
120611A	7/16"	6,0		362	272	16,5	152	12	11,0	4700 KG	36,2	5
120711A	7/16"	7,0	9/32"	367	277	16,5	152	12	11,0	4700 KG	34,3	5
120612A	1/2"	6,0		393	287	18,1	152	14	12,7	5400 KG	46,0	5
126312A	1/2"		1/4"	393	287	18,1	152	14	12,7	5400 KG	46,0	5
120816AX	5/8"	8,0	5/16"	499	366	24,3	192	18	16,0	8000 KG	88,5	5
129520A	3/4"		3/8"	587	427	38,3	223	24	19,0	13000 KG	170,0	BULK
121020A	3/4"	10,0		587	427	38,3	223	24	19,0	13000 KG	170,0	BULK
121220A	3/4"	12,0		602	442	38,3	223	24	19,0	13000 KG	172,0	BULK
* 121220AX	3/4"	12,0		622	462	38,3	223	24	19,0	13000 KG	173,0	BULK
* 121320A	3/4"		1/2"	623	463	38,3	223	24	19,0	13000 KG	175,0	BULK
121422A	7/8"	14,0		736	555	46,0	270	30	22,0	17000 KG	386,0	BULK
121425A	1"	14,0		843	613	47,8	320	30	25,4	24000 KG	580,0	BULK
121625A	1"	16,0	5/8"	871	641	47,8	320	30	25,4	24000 KG	597,0	BULK

* Note: Terminal OD.=21.4mm

Note: All breakloads are determined by clevis pin and thread.
The user is responsible for choosing the proper cable diameter and for correct assembly.





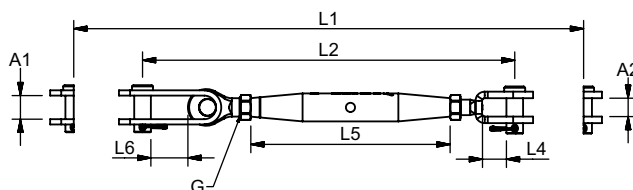
MARINE
RIGGING HARDWARE

TOGGLE/FORK UNF

High Polished Stainless Steel - AISI 316

The price favourable and durable Stainless Steel Rigging Screw line from Blue Wave has been a favourite among Riggers and yachtsmen for the last 50 years. It offers a variety of features. Laser engraved thread size, Blue Wave logo, and side marking of the left thread.

ART. NO.	THREAD G	L1	L2	L4	L5	L6	A1	A2	PIN SIZE	BL	KG/100	PACK
320006A	1/4"	222	157	10,4	92	24,5	8,0	9,5	6,35	1300 KG	10,8	10
320008A	5/16"	268	192	12,2	112	29,9	10,0	11,0	8,0	2350 KG	19,5	10
320010A	3/8"	306	222	14,0	120	39,0	12,0	12,0	9,5	3500 KG	32,5	5
320011AX	7/16"	347	257	16,5	152	43,2	15,0	12,0	11,0	4700 KG	45,0	5
320012AX	1/2"	378	272	18,1	172	49,5	18,0	14,0	12,7	5400 KG	71,0	5
320016AX	5/8"	493	361	24,3	192	59,6	20,0	18,0	16,0	8000 KG	116,0	BULK
320020AX	3/4"	582	422	38,3	223	65,9	24,0	24,0	19,0	13000 KG	207,0	BULK
320022AX	7/8"	695	515	46,0	270	72,6	26,0	30,0	22,0	17000 KG	520,0	BULK
320025AX	1"	818	589	47,8	320	87,5	29,0	30,0	25,4	24000 KG	767,7	BULK



TOGGLE/TERMINAL UNF

High Polished Stainless Steel - AISI 316

The price favourable and durable Stainless Steel Rigging Screw line from Blue Wave has been a favourite among Riggers and yachtsmen for the last 50 years. It offers a variety of features. Laser engraved thread size, Blue Wave logo, and side marking of the left thread.

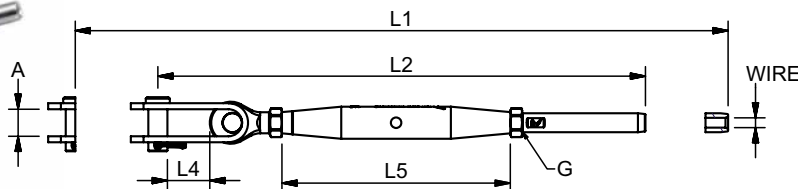
BRONZE INSERTS & KEY WITH

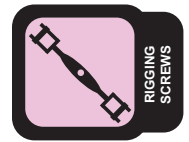
ART.NO.	THREAD G	WIRE	L1	L2	L4	L5	A	PIN SIZE	BL	KG/100	PACK	
320306A	1/4"	3,0	1/8"	253	191	24,5	92	8,0	6,35	1300 KG	10,7	10
320406A	1/4"	4,0	5/32"	263	201	24,5	92	8,0	6,35	1300 KG	11,0	10
320408A	5/16"	4,0	5/32"	304	228	29,9	112	10,0	8,0	2350 KG	16,4	10
320508A	5/16"	5,0	3/16"	310	234	29,9	112	10,0	8,0	2350 KG	16,6	10
320510A	3/8"	5,0	3/16"	342	258	39,0	120	12,0	9,5	3500 KG	28,2	5
325510A	3/8"		7/32"	350	266	39,0	120	12,0	9,5	3500 KG	30,0	5
320610A	3/8"	6,0		357	273	39,0	120	12,0	9,5	3500 KG	31,3	5
320611AX	7/16"	6,0		400	310	43,2	152	15,0	11,0	4700 KG	41,4	5
320711AX	7/16"	7,0	9/32"	405	315	43,2	152	15,0	11,0	4700 KG	41,4	5
320612AX	1/2"	6,0		421	315	49,5	152	18,0	12,7	5400 KG	64,8	5
326312AX	1/2"		1/4"	421	315	49,5	152	18,0	12,7	5400 KG	65,0	5
320712AX	1/2"	7,0	9/32"	429	323	49,5	152	18,0	12,7	5400 KG	68,0	5
320812AX	1/2"	8,0	5/16"	444	338	49,5	152	18,0	12,7	5400 KG	73,2	5
320816AX	5/8"	8,0	5/16"	545	413	59,6	192	20,0	16,0	8000 KG	105,2	BULK
329520AX	3/4"		3/8"	621	461	65,9	223	24,0	19,0	13000 KG	169,0	BULK
321020AX	3/4"	10,0		621	461	65,9	223	24,0	19,0	13000 KG	169,0	BULK
321220AX	3/4"	12,0		636	466	65,9	223	24,0	19,0	13000 KG	179,0	BULK
* 321220AXX	3/4"	12,0		656	496	65,9	223	24,0	19,0	13000 KG	179,0	BULK
* 321320AX	3/4"		1/2"	657	497	65,9	223	24,0	19,0	13000 KG	181,0	BULK
321422AX	7/8"	14,0		779	598	72,6	270	26,0	22,0	17000 KG	500,0	BULK
321625AX	1"	16,0	5/8"	923	694	87,5	320	29,0	25,4	24000 KG	742,0	BULK
321927AX	1-1/8"	19,0	3/4"	1038	778	97,6	345	34,0	28,0	25500 KG	990,0	BULK
322230AX	1-1/4"	22,0	7/8"	1172	882	110,0	375	40,0	32,0	31000 KG	1385,0	BULK
322636AX	1-3/8"	26,0	1"	1303	993	122,8	410	44,0	36,0	43000 KG	1717,0	BULK

* Note: Terminal OD. = 21,4 mm

Note: All break loads are determined by clevis pin and thread.

The user is responsible for choosing the proper cable diameter and for correct assembly.





BALL/TERMINAL UNF

High Polished Stainless Steel - AISI 316

Chromed Bronze Body

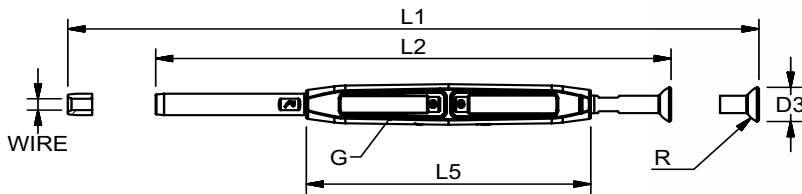
The Blue Wave Chromed Bronze Body features a number of details that makes it the best choice for exclusive and durable rigging. The sleek, open Bronze body prevents the threads from siezing up, they are delivered with laser engraved thread size, Blue Wave logo, and side marking of the left thread.

ART.NO.	THREAD G	WIRE	D3	L1	L2	L5	R	KG/100	BL	PACK	
630306A	1/4"	3	1/8"	13	244	182	100	6	10,3	1300	BULK
630408A	5/16"	4	5/32"	19	305	215	120	7	14,6	2350	BULK
630510A	3/8"	5	3/16"	19	324	240	135	7	21,5	3500	BULK
630610A	3/8"	6	-	19	339	255	135	7	24,6	3500	BULK
630611A	7/16"	6	-	20	370	280	150	7	33,6	4700	BULK
630711A	7/16"	7	9/32"	20	375	285	150	7	36,3	4700	BULK
630712A	1/2"	7	9/32"	20	415	309	170	7	49,6	5400	BULK
630812A	1/2"	8	5/16"	20	430	324	170	7	54,8	5400	BULK
630816A	5/8"	8	5/16"	25	499	367	210	10	88,7	8000	BULK
631016A	5/8"	10	-	25	508	376	210	10	92,9	8000	BULK
631220A	3/4"	12	-	28	597	437	250	14	138,8	13000	BULK
* 631220AX	3/4"	12	-	28	613	453	250	14	138,8	13000	BULK

* Note: Terminal OD. = 21,4 mm

Note: All break loads are determined by clevis pin and thread.

The user is responsible for choosing the proper cable diameter and for correct diameter and for correct assembly.



TOGGLE/TERMINAL UNF

High Polished Stainless Steel - AISI 316

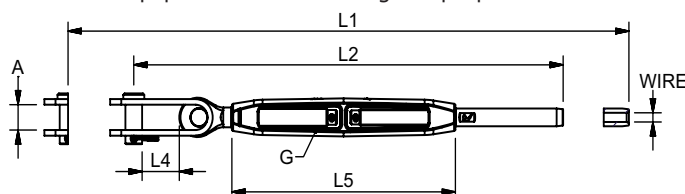
Chromed Bronze Body

ART.NO.	THREAD G	WIRE	L1	L2	L4	L5	A	PIN SIZE	BL	KG/100	PACK	
330306A	1/4"	3,0	1/8"	255	193	12,8	100	8,0	6,35	1300 KG	12,7	10
330406A	1/4"	4,0	5/32"	265	203	12,8	100	8,0	6,35	1300 KG	13,0	10
330408A	5/16"	4,0	5/32"	304	228	16,0	120	10,0	8,0	2350 KG	17,4	10
330508A	5/16"	5,0	3/16"	310	234	16,0	120	10,0	8,0	2350 KG	18,5	10
330510A	3/8"	5,0	3/16"	349	265	19,3	135	12,0	9,5	3500 KG	28,2	5
335510A	3/8"	7/32"	357	273	19,3	135	12,0	9,5	9,5	3500 KG	29,0	5
330610A	3/8"	6,0		364	280	19,3	135	12,0	9,5	3500 KG	32,5	5
330611AX	7/16"	6,0		397	307	22,5	150	15,0	11,0	4700 KG	47,5	5
330711AX	7/16"	7,0	9/32"	408	318	22,5	150	15,0	11,0	4700 KG	47,5	5
330612AX	1/2"	6,0		425	319	24,7	170	18,0	12,7	5400 KG	74,0	5
336312AX	1/2"	1/4"	425	319	24,7	170	18,0	12,7	12,7	5400 KG	75,0	5
330712AX	1/2"	7,0	9/32"	433	327	24,7	170	18,0	12,7	5400 KG	77,0	5
330812AX	1/2"	8,0	5/16"	448	342	24,7	170	18,0	12,7	5400 KG	82,0	5
330816AX	5/8"	8,0	5/16"	536	404	29,1	210	20,0	16,0	8000 KG	126,0	BULK
331016AX	5/8"	10,0		545	413	29,1	210	20,0	16,0	8000 KG	135,0	BULK
339520AX	3/4"	3/8"	625	465	30,5	250	24,0	19,0	19,0	13000 KG	190,0	BULK
331020AX	3/4"	10,0		625	465	30,5	250	24,0	19,0	13000 KG	190,0	BULK
331220AX	3/4"	12,0		640	480	30,5	250	24,0	19,0	13000 KG	200,0	BULK
* 331220AXX	3/4"	12,0		660	500	30,5	250	24,0	19,0	13000 KG	200,0	BULK
* 331320AX	3/4"	1/2"	661	501	30,5	250	24,0	19,0	19,0	13000 KG	202,0	BULK
331222AX	7/8"	12,0		786	592	34,9	305	26,0	22,0	17000 KG	311,0	BULK
331422AX	7/8"	14,0		794	600	34,9	305	26,0	22,0	17000 KG	309,0	BULK
331425AX	1"	14,0		932	692	40,3	366	29,0	25,4	24000 KG	512,0	BULK
331625AX	1"	16,0	5/8"	940	700	40,3	366	29,0	25,4	24000 KG	505,0	BULK

*Note: Terminal OD. = 21,4 mm

Note: All break loads are determined by clevis pin and thread.

The user is responsible for choosing the proper cable diameter and for correct assembly.





MARINE
RIGGING HARDWARE

FORK/TERMINAL UNF

High Polished Stainless Steel - AISI 316

Chromed Bronze Body

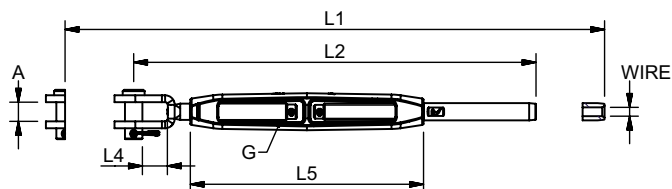
The Blue Wave Chromed Bronze Body features a number of details that makes it the best choice for exclusive and durable rigging. The sleek, open Bronze body prevents the threads from seizing up, they are delivered with laser engraved thread size, Blue Wave logo, and side marking of the left thread.

ART.NO.	THREAD G	WIRE	L1	L2	L4	L5	A	PIN SIZE	BL	KG/100	PACK	
130306A	1/4"	3,0	1/8"	236	174	10,4	100	9,5	6,35	1300 KG	10,7	10
130406A	1/4"	4,0	5/32"	246	184	10,4	100	9,5	6,35	1300 KG	11,0	10
130408A	5/16"	4,0	5/32"	280	204	12,2	120	11	8,0	2350 KG	14,5	10
130508A	5/16"	5,0	3/16"	286	210	12,2	120	11	8,0	2350 KG	14,7	10
130510A	3/8"	5,0	3/16"	317	233	14,0	135	12	9,5	3500 KG	23,2	10
135510A	3/8"		7/32"	325	241	14,0	135	12	9,5	3500 KG	24,5	10
130611A	7/16"	6,0		365	275	16,5	150	12	11,0	4700 KG	36,5	5
130711A	7/16"	7,0	9/32"	370	280	16,5	150	12	11,0	4700 KG	34,5	5
130612A	1/2"	6,0		397	291	18,1	170	14	12,7	5400 KG	55,0	5
136312A	1/2"		1/4"	397	291	18,1	170	14	12,7	5400 KG	55,0	5
130712A	1/2"	7,0	9/32"	405	299	18,1	170	14	12,7	5400 KG	55,5	5
130816AX	5/8"	8,0	5/16"	496	364	24,3	210	18	16,0	8000 KG	109,5	BULK
131016AX	5/8"	10,0		509	375	24,3	210	18	16,0	8000 KG	113,7	BULK
139520A	3/4"		3/8"	591	431	38,3	250	24	19,0	13000 KG	191,0	BULK
131020A	3/4"	10,0		591	431	38,3	250	24	19,0	13000 KG	191,0	BULK
131220A	3/4"	12,0		606	446	38,3	250	24	19,0	13000 KG	194,0	BULK
* 131220AX	3/4"	12,0		626	466	38,3	250	24	19,0	13000 KG	196,0	BULK
* 131320A	3/4"		1/2"	627	467	38,3	250	24	19,0	13000 KG	196,0	BULK
131422A	7/8"	14,0		794	600	46,0	305	26	22,0	17000 KG	304,0	BULK
131625A	1"	16,0	5/8"	940	700	47,8	366	29	25,4	24000 KG	445,0	BULK

* Note: Terminal OD. = 21,4 mm

Note: All break loads are determined by clevis pin and thread.

The user is responsible for choosing the proper cable diameter and for correct diameter and for correct assembly.

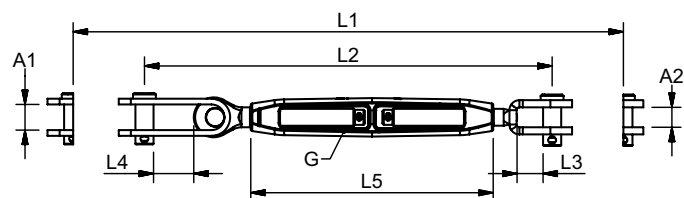


TOGGLE/FORK UNF

High Polished Stainless Steel - AISI 316

Chromed Bronze Body

ART.NO.	THREAD G	L1	L2	L3	L4	L5	A1	A2	PIN SIZE	BL	KG/100	PACK
330006A	1/4"	225	163	10,4	24,5	100	8,0	9,5	6,35	1300 KG	12,8	10
330008A	5/16"	268	192	12,2	29,9	120	10,0	11,0	8,0	2350 KG	20,5	10
330010A	3/8"	313	229	14,0	39,0	135	12,0	12,0	9,5	3500 KG	32,5	5
330011AX	7/16"	350	260	16,5	43,2	150	15,0	12,0	11,0	4700 KG	54,0	5
330012AX	1/2"	382	276	18,1	49,5	170	18,0	14,0	12,7	5400 KG	80,0	5
330016AX	5/8"	491	359	24,3	59,6	210	20,0	18,0	16,0	8000 KG	137,0	BULK
330020AX	3/4"	586	426	38,3	65,9	250	24,0	24,0	19,0	13000 KG	228,0	BULK
330022AX	7/8"	710	516	46,0	72,6	305	26,0	30,0	22,0	17000 KG	410,0	BULK
330025AX	1"	835	595	47,8	87,5	366	29,0	30,0	25,4	24000 KG	575,0	BULK



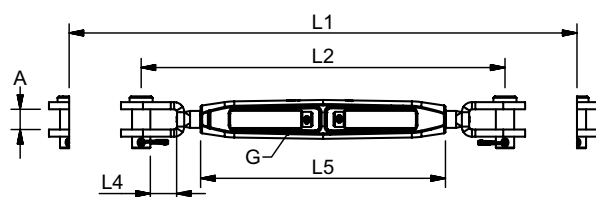
FORK/FORK UNF

High Polished Stainless Steel - AISI 316

Chromed Bronze Body

The Blue Wave Chromed Bronze Body features a number of details that makes it the best choice for exclusive and durable rigging. The sleek, open Bronze body prevents the threads from seizing up, they are delivered with laser engraved thread size, Blue Wave logo, and side marking of the left thread.

ART.NO.	THREAD G	L1	L2	L4	L5	A	PIN SIZE	BL	KG/100	PACK
130006A	1/4"	205	143	10,4	100	9,5	6,35	1300 KG	12,0	10
130008A	5/16"	244	168	12,2	120	11	8,0	2350 KG	16,0	10
130010A	3/8"	299	197	14,0	135	12	9,5	3500 KG	25,0	5
130011A	7/16"	312	222	16,5	150	12	11,0	4700 KG	35,0	5
130012A	1/2"	358	248	18,1	170	14	12,7	5400 KG	63,5	5
130016AX	5/8"	450	312	24,3	210	18	16,0	8000 KG	121,0	BULK
130020A	3/4"	562	392	38,3	250	24	19,0	13000 KG	218,0	BULK
130022A	7/8"	753	559	46,0	305	26	22,0	17000 KG	316,0	BULK
130025A	1"	888	648	47,8	366	29	25,4	24000 KG	490,0	BULK

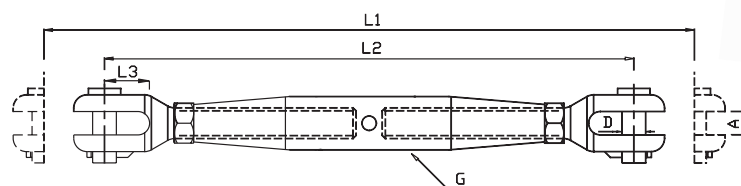


RIGGING SCREWS MACHINED FORK-FORK

High Polished Stainless Steel - AISI 316

ART. NO.	G	L1	L2	L3	A	D	B.L.	KG.	KG/100	PACK
740020	M20	619	453	45	20	19	13000	330	BULK	
740022	M22	637	456	49	22	22	17000	892	BULK	
740024	M24	763	530	52	25	25	20000	1193	BULK	
740027	M27	813	578	55	30	28	25500	1803	BULK	
740030	M30	918	656	67	35	32	31000	2614	BULK	
740036	M36	970	696	67	35	35	43000	3390	BULK	

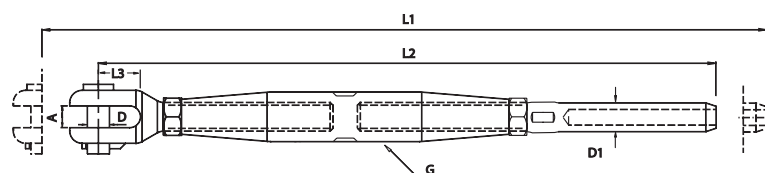
Note: All breakloads are determined by clevis pin and thread



RIGGING SCREWS MACHINED FORK-TERMINAL

High Polished Stainless Steel - AISI 316

ART. NO.	G	WIRE	L1	L2	L3	A	D	D1	B.L.	KG.
741220	M20	12	646	492	45	20	19	20	13000	
741422	M22	14	720	540	49	22	22	25	17000	
741622	M22	16	745	565	49	22	22	28	17000	
741624	M24	16	863	630	52	25	25	28	20000	
741927	M27	19	963	728	55	30	28	34,5	25500	
742230	M30	22	1082	820	67	35	32	40,5	31000	
742636	M36	26	1186	912	67	35	35	46	43000	





MARINE
RIGGING HARDWARE

MONO RACE TUNING - MRT - CALIBRATED

High Polished Stainless Steel - AISI 316

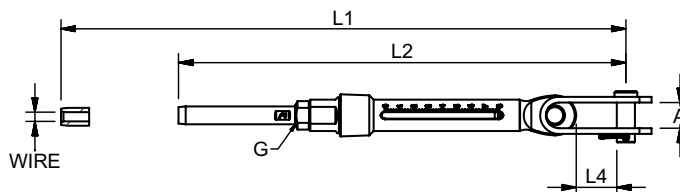
Toggle/Wire Terminal

A highly sophisticated rigging screw, from the Blue Wave racing line. It features an adjustment nut in black chromed high quality alu bronze, engraved calibration scale for fast and accurate adjustment of the rig tension and an extra length thread terminal.

ART.NO.	A	WIRE	THREAD G	L1	L2	L4	PIN SIZE	BL	PACK	KG/100	
MRT03014	8	3,0	1/8"	1/4"	233	193	13	6,35	1300 KG	BULK	11,4
MRT04014	8	4,0	5/32"	1/4"	256	216	13	6,35	1300 KG	BULK	12,2
MRT04516	10	4,0	5/16"	1/4"	271	221	16,35	8,0	2350 KG	BULK	19,2
MRT05516	10	5,0	3/16"	5/16"	277	227	16,35	8,0	2350 KG	BULK	20
MRT05038	12	5,0	3/8"	3/8"	323	263	20,65	9,5	3500 KG	BULK	35,1
MRT06716	15	6,0	7/16"	7/16"	353	283	26	11,0	4700 KG	BULK	56,3
MRT06012	18	6,0	1/2"	1/2"	414	334	27,5	12,7	5400 KG	BULK	79,9
MRT63012	18		1/4"	1/2"	414	334	27,5	12,7	5400 KG	BULK	80,4
MRT07716	18	7,0	7/16"	7/16"	375	305	27,5	11,0	4700 KG	BULK	60,2
MRT07012	18	7,0	1/2"	1/2"	422	342	27,5	12,7	5400 KG	BULK	80,5
MRT08012 *	18	8,0	1/2"	1/2"	436	356	27,5	12,7	5400 KG	BULK	84,4
MRT08058 *	20	8,0	5/8"	5/8"	510	410	32	16	8000 KG	BULK	142,8
MRT10058 *	20	10,0	5/8"	5/8"	561	461	32	16	8000 KG	BULK	146,4
MRT10034 *	24	10,0	3/4"	3/4"	598	478	34,9	19	13000 KG	BULK	260
MRT12034 *	24	12,0	3/4"	3/4"	629	509	34,9	19	13000 KG	BULK	273
MRT14078 *	26	14,0	7/8"	7/8"	698	568	36,1	22	17000 KG	BULK	420,5
MRT16110 *	29	16,0	1"	1"	820	660	46,5	25,4	24000 KG	BULK	616,4

The user is responsible for choosing the proper cable diameter and for correct assembly. The calibrated MRT turnbuckle is available up to wiresize 16mm on request. MRT's marked with "*" on request only.

COUPLING NUT BLACK CHROMED ALU- BRONZE



QUICK RACE TUNING - QRT - CALIBRATED

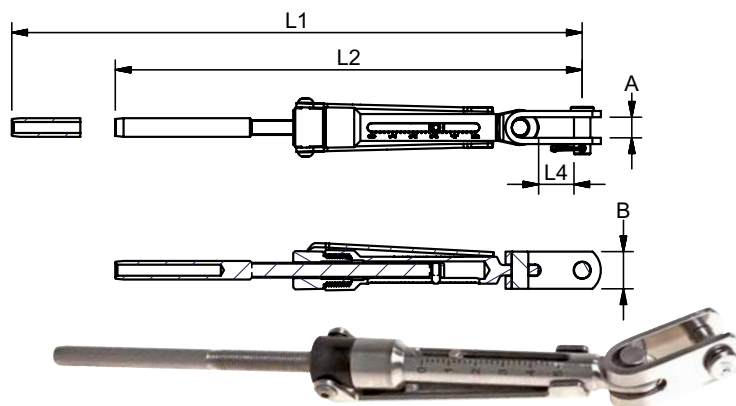
High Polished Stainless Steel - AISI 316

Toggle / Wire Terminal

The QRT is Blue Waves top racing rigging screw. Developed specifically for the hardcore racing crews. It features an adjustment nut in black chromed high quality alu bronze. Engraved calibration scale and quick adjust handle for fast and accurate tuning of the rig.

ART. NO.	WIRE	THREAD G	L1	L2	L4	A	B	PIN SIZE	BL	PACK	KG/100	
QRT04516	4,0	5/32"	5/16"	271	221	12	11	19	8	2350 KG	BULK	23,4
QRT05516	5,0	3/16"	5/16"	277	227	12	11	19	8	2350 KG	BULK	24,2
QRT06716	6,0	-	7/16"	353	283	26	11	30	10	4700 KG	BULK	60,6
QRT07716	7,0	9/32"	7/16"	375	305	28	11	30	10	4700 KG	BULK	62,7

The user is responsible for choosing the proper cable diameter and for correct assembly.





MARINE
RIGGING SYSTEM

MONO STANDARD TUNING - MST

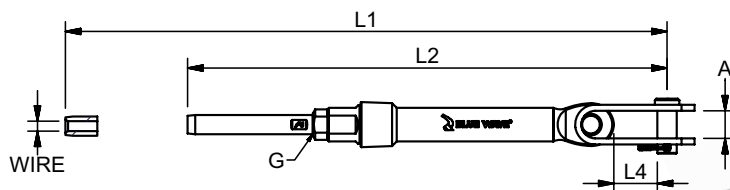
High Polished Stainless Steel - AISI 316

Toggle/Wire Terminal

A highly sophisticated rigging screw. A price favourable alternative to the Blue Wave racing line, with all the features except the calibration scale. It features an adjustment nut, in black chromed high quality alu bronze, and an extra length thread terminal.

ART. NO.	WIRE	THREAD G	A	L1	L2	L4	PIN SIZE	BL	PACK	KG/100	
MST03014	3,0	1/8"	1/4"	8	233	193	13	6,35	1300 KG	BULK	11,8
MST04014	4,0	5/32"	1/4"	8	256	216	13	6,35	1300 KG	BULK	12,6
MST04516	4,0	5/32"	5/16"	10	271	221	16,35	8,0	2350 KG	BULK	19,7
MST05516	5,0	3/16"	5/16"	10	277	227	16,35	8,0	2350 KG	BULK	20,5
MST05038	5,0	3/16"	3/8"	12	323	263	26	9,5	3500 KG	BULK	36,1
MST06716	6,0		7/16"	15	375	305	27,5	11,0	4700 KG	BULK	57,5
MST06012	6,0		1/2"	18	414	334	27,5	12,7	5400 KG	BULK	81,7
MST07716	6,0		7/16"	15	353	283	26	11,0	4700 KG	BULK	60
MST07012	7,0		1/2"	18	422	342	27,5	12,7	5400 KG	BULK	82,2
MST08012	8,0		1/2"	18	436	356	27,5	12,7	5400 KG	BULK	86,1
MST08058	8,0		5/8"	20	510	410	32	16,0	8000 KG	BULK	146,9
MST10058	10,0		5/8"	20	561	461	32	16,0	8000 KG	BULK	150,5
MST10034	10,0		3/4"	24	598	478	34,9	19,0	13000 KG	BULK	264,7
MST12034	12,0		3/4"	24	629	509	34,9	19,0	13000 KG	BULK	277,8
MST14078	14,0		7/8"	26	698	568	36,1	22,0	17000 KG	BULK	425,7
MST16110	16,0		1"	29	820	660	46,5	25,4	24000 KG	BULK	622,8

The user is responsible for choosing the proper cable diameter and for correct assembly.



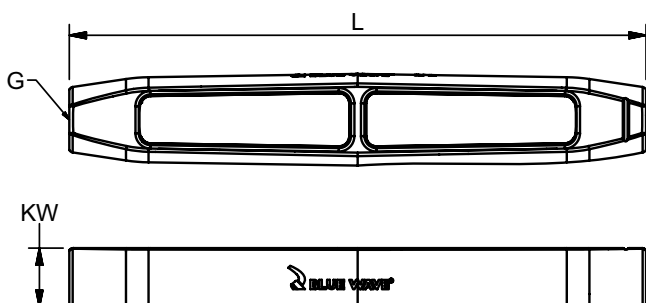
CHROMED BRONZE BODIES UNF

The Blue Wave Chromed Bronze Body features a number of details that makes it the best choice for exclusive and durable rigging. The sleek, open Bronze body prevents the threads from seizing up, they are delivered with laser engraved thread size, Blue Wave logo, and side marking of the left thread.

ART. NO.	THREAD G	L	KW	BL
011306A	1/4"	100	9,0	1300 KG
011308A	5/16"	120	11,0	2530 KG
011310A	3/8"	135	13,0	3500 KG
011311A	7/16"	150	15,0	4700 KG
011312A	1/2"	170	17,4	5400 KG
011316A	5/8"	210	20,7	8000 KG
011320A	3/4"	250	25,4	13000 KG
011322A	7/8"	305	30,0	17000 KG
011325A	1"	366	35,0	24000 KG

Note: all breakloads are determined by thread.

The user is responsible for choosing the proper cable diameter, and for correct assembly.





MARINE
RIGGING HARDWARE

STAINLESS STEEL BODIES METRIC

High Polished Stainless Steel - AISI 316

The price favourable and durable Stainless Steel Rigging Screw line from Blue Wave offers a variety of features. Laser engraved thread size, Blue Wave logo, and side marking of the left thread.

ART. NO.	THREAD G	L	D	KW	BL
011205	M5	80	8,0		800 KG
011206	M6	92	10,0		1300 KG
011208	M8	112	13,5		2350 KG
011210	M10	120	17,2		3500 KG
011212	M12	150	21,3		5100 KG
011214	M14	170	21,3		5900 KG
011216	M16	190	26,9		8000 KG
011220	M20	220	33,7		13000 KG
012320	M20	240	40,0	36	13000 KG
012322	M22	270	45,0	41	17000 KG
011224	M24	320	43,0		20000 KG
012324	M24	325	50,0	46	23000 KG
012327	M27	345	55,0	50	25500 KG
012330	M30	375	60,0	55	31000 KG
012336	M36	410	65,0	60	43000 KG

Note: All breakloads are determined by thread

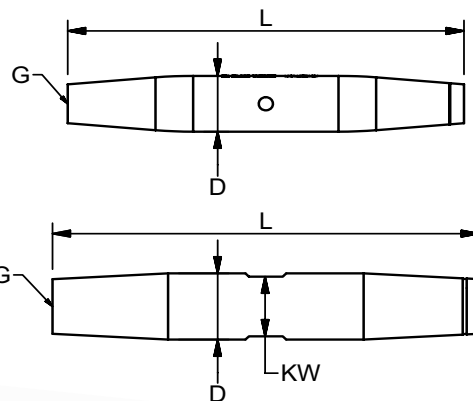
STAINLESS STEEL BODIES UNF

High Polished Stainless Steel - AISI 316

ART. NO.	THREAD G	L	D	KW	BL
011206A	1/4"	92	10,0		1300 KG
011208A	5/16"	112	13,5		2350 KG
011210A	3/8"	125	17,2		3500 KG
011211A	7/16"	150	21,3		4700 KG
011212A	1/2"	150	21,3		5400 KG
011216A	5/8"	190	26,9		8000 KG
011220A	3/4"	220	33,7		13000 KG
012322A	7/8"	270	45,0	41	17000 KG
012325A	1"	325	50,0	46	24000 KG
012327A	1 1/8"	345	55,0	50	25500 KG
012330A	1 1/4"	375	60,0	55	31000 KG
012336A	1 3/8"	410	65,0	60	43000 KG



BRONZE INSERTS & KEY WITH



Note: All breakloads are determined by thread



STAINLESS STEEL BODIES MACHINED UNF

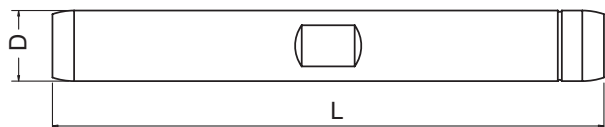
High Polished Stainless Steel - AISI 316

Laser engraved thread size, Blue Wave logo, side marking of the left thread and chrome bronze inserts.

ART. NO.	THREAD G	L	D	BL
012310A	3/8"	125	16	3500 KG
012311A	7/16"	150	18	4700 KG
012312A	1/2"	150	20	5400 KG
012316A	5/8"	190	25	8000 KG

Note: All breakloads are determined by thread

NEWS





MARINE
RIGGING SYSTEM

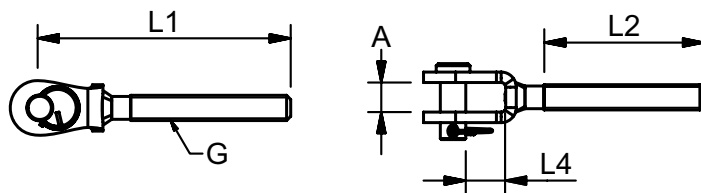
WELDED THREAD FORKS METRIC

High Polished Stainless Steel - AISI 316



ART. NO. RIGHT	ART. NO. LEFT	THREAD G	A	PIN SIZE	L1	L2	L4	BL	KG/100
021205B	031205B	M5	7,5	5,0	60,0	41,0	9,5	800 KG	1,9
021206B	031206B	M6	7,5	5,0	67,0	47,0	9,5	1000 KG	2,3
021206XB	031206XB	M6	9,5	6,0	68,0	47,0	10,0	1300 KG	2,8
021208B	031208B	M8	10,0	6,0	79,0	57,0	10,0	1300 KG	3,9
021208XB	031208XB	M8	11,0	8,0	82,0	57,0	11,0	2350 KG	5,5
021210B	0312010B	M10	11,0	8,0	90,0	63,0	11,0	2350 KG	6,9
021210XB	031210XB	M10	12,0	9,5	94,0	63,0	14,2	3500 KG	7,8
021212B	031212B	M12	14,0	12,0	119,0	80,0	19,0	5100 KG	17
021212XB	031212XB	M12	18,0	14,0	129,0	80,0	26,0	5100 KG	26,3
021214XB	031214XB	M14	14,0	14,0	137,0	86,0	26,0	5900 KG	30,1
021216XB	031216XB	M16	18,0	16,0	151,0	100,0	25,0	8000 KG	37,3
021220B	031220B	M20	24,0	19,0	191,0	119,0	41,0	13000 KG	71,9
021222B	031222B	M22	30,0	22,0	224,5	140,0	46,5	17000 KG	120,1
021224B	031224B	M24	30,0	25,4	258,0	170,0	49,3	20000 KG	180

Note: All break loads are determined by clevis pin & thread.
The user is responsible for choosing the proper cable diameter and for correct assembly



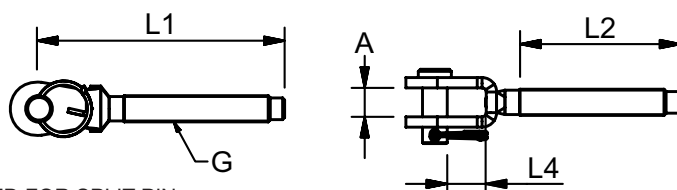
WELDED THREAD FORKS UNF

High Polished Stainless Steel - AISI 316



ART. NO. RIGHT	ART. NO. LEFT	THREAD G	A	PIN SIZE	L1	L2	L4	BL	KG/100
021206AB	031206AB	1/4"	9,5	6,35	68,0	47,0	9,8	1300 KG	2,3
021208AB	031208AB	5/16"	11,0	8,0	81,0	57,0	11,0	2350 KG	3,9
021210AB	031210AB	3/8"	12,0	9,5	94,0	63,0	14,3	3500 KG	6,9
021211AB	031211AB	7/16"	12,0	11,0	104,0	80,0	17,5	4700 KG	10
021212AB	031212AB	1/2"	14,0	12,7	119,0	80,0	18,7	5400 KG	17
021216AB	031216AB	5/8"	18,0	14,0	151,0	100,0	25,0	7600 kg	35,2
021216AXB	031216AXB	5/8"	18,0	16,0	151,0	100,0	25,1	8000 KG	37,3
021220AB	031220AB	3/4"	24,0	19,0	191,0	119,0	41,0	13000 KG	71,9
021222AB	031222AB	7/8"	30,0	22,0	224,5	140,0	46,4	17000 KG	120,1
021225AB	031225AB	1"	30,0	25,4	258,0	170,0	49,3	24000 KG	180

Note: All break loads are determined by clevis pins & thread.
The user is responsible for choosing the proper cable diameter and for correct assembly.



NOTE: DRILLED FOR SPLIT PIN
For right hand thread drilled use 0213 instead of 0212
For left hand thread drilled use 0313 instead of 0312
For all other measures, please refer to ART.NO. 0232 & 0332



MARINE
RIGGING HARDWARE

THREAD EYES

High Polished Stainless Steel - AISI 316

NOTE: DRILLED FOR SPLIT PIN

For right hand thread drilled use 0239 instead of 0219

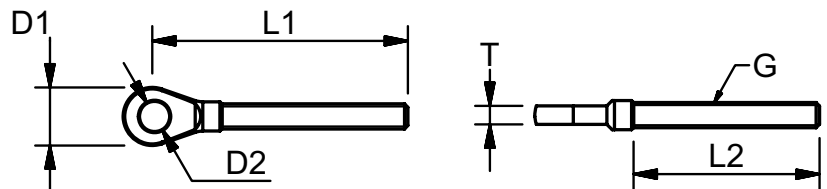
For left hand thread drilled use 0339 instead of 0319

For all other measures. Please refer to cat. No. 0219 & 0319

ART. NO. RIGHT	ART. NO. LEFT	THREAD G	D1	D2	L1	L2	T	BL	KG/100 PACK	
021906A	031906A	1/4"	14,0	6,5	65,0	47,0	4,0	1300 KG	1,5	25
021908A	031908A	5/16"	17,0	8,5	78,0	57,0	5,0	2350 KG	3,1	25
021910A	031910A	3/8"	22,0	10,5	89,0	63,0	6,0	3500 KG	5,1	25
021911AX	031911AX	7/16"	24,0	11,5	98,0	70,0	8,0	4700 KG	8,9	10
021912A	031912A	1/2"	25,0	13,0	110,0	80,0	8,0	5400 KG	10,1	10
021912AX	031912AX	1/2"	28,0	13,2	105,0	80,0	10,0	5400 KG	12,0	10
021916A	031916A	5/8"	31,0	14,5	134,0	100,0	10,0	8000 KG	20,4	10
021916AX	031916AX	5/8"	36,0	16,5	141,0	100,0	12,0	8000 KG	25,3	10
021920A	031920A	3/4"	40,0	19,5	164,0	120,0	16,0	13000 KG	47,7	5
021922AX	031922AX	7/8"	47,0	23	196,5	140,0	18,0	17000 KG	74,2	BULK
021925AX	031925AX	1"	52,0	26,0	230,0	170,0	20,0	24000 KG	108,3	BULK
021927AX	031927AX	1-1/8"	65,0	28,5	247,0	180,0	25,0	25500 KG	132,0	BULK
021930AX	031930AX	1-1/4"	70,0	32,5	274,0	200,0	30,0	31000 KG	188,0	BULK
021936AX	031936AX	1-3/8"	75,0	35,5	297,0	220,0	30,0	43000 kg	250,0	BULK

Note: All breakloads are determined by eye (D1) and thread.

The user is responsible for choosing the proper cable diameter and for correct assembly.



THREAD TOGGLES

High Polished Stainless Steel - AISI 316

ART. NO. RIGHT	ART. NO. LEFT	THREAD G	PIN SIZE	A	B	L1	L2	L4	BL
023206AB	033206AB	1/4"	6,35	8,0	14,0	88,0	47,0	12,8	1300 KG
023208AB	033208AB	5/16"	8,0	10,0	18,0	105,0	57,0	16,0	2350 KG
023210AB	033210AB	3/8"	9,5	12,0	22,0	126,0	63,0	19,3	3500 KG
023211AXB	033211AXB	7/16"	11,0	15,0	30,0	142,0	70,0	22,5	4700 KG
023212AXB	033212AXB	1/2"	12,7	18,0	30,0	147,0	80,0	24,7	5400 KG
023216AXB	033216AXB	5/8"	16,0	20,0	35,0	199,0	100,0	29,1	8000 KG
023220AXB	033220AXB	3/4"	19,0	24,0	40,0	225,0	120,0	30,5	13000 KG
023222AXB	033222AXB	7/8"	22,0	26,0	50,0	267,0	140,0	34,9	17000 KG
023225AXB	033225AXB	1"	25,4	29,0	60,0	311,0	170,0	40,3	24000 KG
023227AXB	033227AXB	1-1/8"	28,0	34,0	60,0	343,0	180,0	46,5	25500 KG
023230AXB	033230AXB	1-1/4"	32,0	40,0	75,0	379,0	200,0	54,0	31000 KG
023236AXB	033236AXB	1-3/8"	36,0	44,0	75,0	415,0	220,0	62,0	43000 KG

Note: All breakloads are determined by clevis pin and thread.

The user is responsible for choosing the proper cable diameter and for correct assembly.

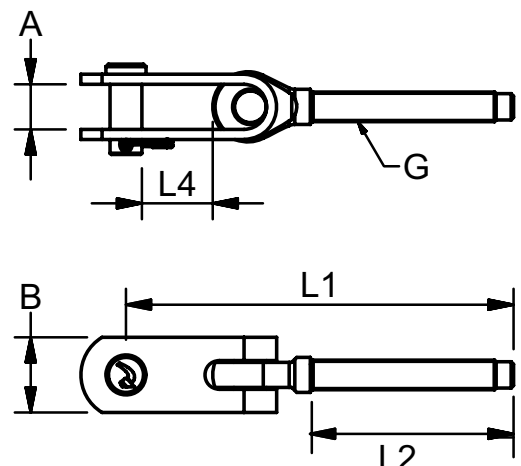


NOTE: DRILLED FOR SPLIT PIN

For right han thread drilled use 0233 instead of 0232

For left hand thread drilled use 0333 instead of 0332

For all other measures, please refer to ART.NO. 0232 & 0332

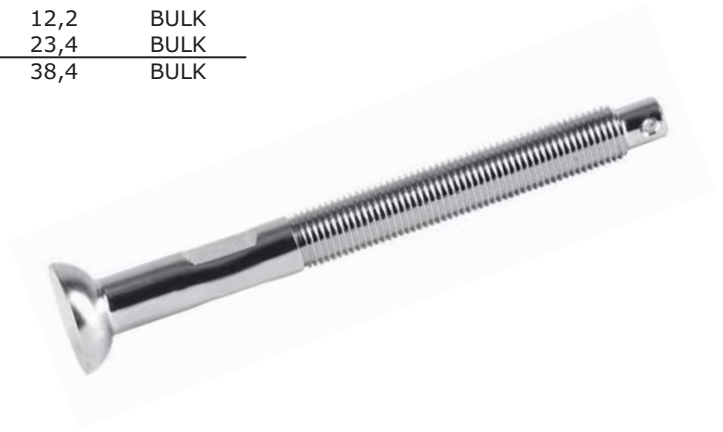
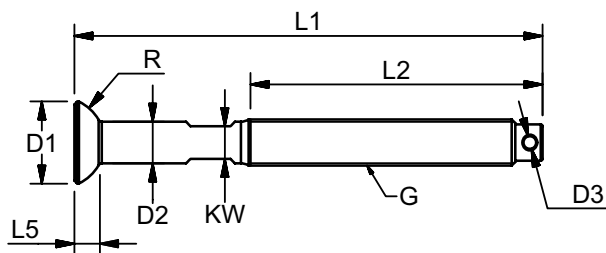




THREADED BALL FOR WIRE

High Polished Stainless Steel - AISI 316

ART. NO.	THREAD G	L1	L2	L5	D1	D2	D3	KW	R	KG/100	PACK
BT014000A	1/4"	80	50	4,5	13	6,35	2,2	5	6	3,9	BULK
BT516000A	5/16"	92	57	7	19	9	2,8	7	7	4,2	BULK
BT038000A	3/8"	101	63	6	19	9,5	2,8	7	7	5,6	BULK
BT716000A	7/16"	111	70	6	20	11	3,5	9	7	8	BULK
BT012000A	1/2"	129	80	6	20	12,7	3,5	9	7	12,2	BULK
BT058000A	5/8"	154	100	9	25	16	4,5	12	10	23,4	BULK
BT034000A	3/4"	178	120	10	28	19	4,5	15	14	38,4	BULK



LONG THREADED TERMINAL

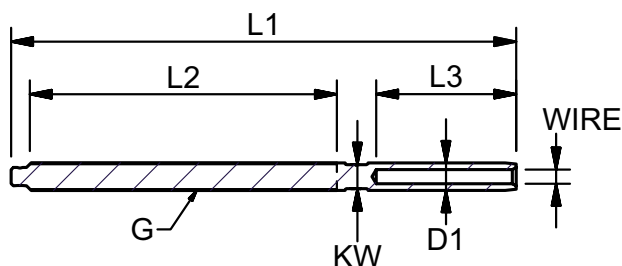
High Polished Stainless Steel - AISI 316

The Blue Wave extra long Thread Terminals all features, engraved wire size, Blue Wave logo, and swage depth marking for faster and easier swaging.

ART. NO.	WIRE	THREAD G	L1	L2	L3	D1	KW	BL	KG/100	PACK
05M0306A	3,0	1/4"	132,0	86,0	38,0	6,4	5,0	1.300	2,6	BULK
05M0406A	4,0	1/4"	137,0	81,0	45,0	7,5	6,0	1.300	3,0	BULK
05M0408A	4,0	5/16"	147,0	93,0	45,0	7,5	6,0	2.350	4,3	BULK
05M0508A	5,0	5/16"	156,0	93,0	51,0	9,0	7,0	2.350	5,2	BULK
05M0510A	5,0	3/8"	176,0	115,0	51,0	9,0	7,0	3.500	7,7	BULK
05M0611A	6,0	7/16"	206,0	123,0	64,0	12,6	11,0	4.700	14,5	BULK
05M0711A	7,0	7/16"	211,0	123,0	70,0	14,2	12,0	4.700	16,8	BULK
05M0612A	6,0	1/2"	224,0	149,0	64,0	12,6	11,0	5.400	18,7	BULK
05M6312A	1/4"	1/2"	224,0	149,0	64,0	12,7	11,0	5.400	18,7	BULK
05M0712A	7,0	1/2"	232,0	149,0	70,0	14,2	12,0	5.400	21,3	BULK
05M0812A	8,0	1/2"	247,0	149,0	84,0	16,0	14,0	5.400	25,2	BULK
05M0816A	8,0	5/8"	282,0	184,0	84,0	16,0	14,0	8.000	37,4	BULK
05M1016A	10,0	5/8"	292,0	179,0	89,0	17,8	15,0	8.000	41,6	BULK
05M1220A	12,0	3/4"	368,0	225,0	120,0	21,4	19,0	13.000	72,2	BULK
05M1422A	14,0	7/8"	415,0	255,0	140,0	25,0	22,0	17.000	112,0	BULK
05M1625A	16,0	1"	480,0	293,0	160,0	28,0	25,0	24.000	164,4	BULK

Note: All breakloads are determined by thread.

The user is responsible for choosing the proper cable diameter and for correct assembly



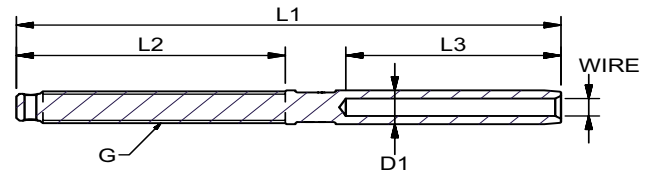


MARINE
RIGGING HARDWARE

THREAD TERMINALS UNF

Stainless Steel - AISI 316

The Blue Wave Thread Terminals all features, engraved wire size, Blue Wave logo, and swage depth marking for faster and easier swaging.



ART. NO. RIGHT	ART. NO. LEFT	WIRE	THREAD G	D1	L1	L2	L3	BL	KG/100	PACK
900306A	910306A	3,0	1/8"	1/4"	6,35	100	48	38	1300 KG	2,2 BULK
900406A	910406A	4,0	5/32"	1/4"	7,5	110	48	45	1300 KG	2,5 BULK
900408A	910408A	4,0	5/32"	5/16"	7,5	117	57	45	2350 KG	3,8 BULK
900508A	910508A	5,0	3/16"	5/16"	9,0	123	57	51	2350 KG	4,0 BULK
900510A	910510A	5,0	3/16"	3/8"	9,0	130	63	51	3500 KG	5,3 BULK
900610A	910610A	6,0		3/8"	12,58	145	63	64	3500 KG	8,4 BULK
906310A	916310A		1/4"	3/8"	12,58	145	63	64	3500 KG	8,3 BULK
900611A	910611A	6,0		7/16"	12,58	157	68	64	4700 KG	10,0 BULK
900711A	910711A	7,0	9/32"	7/16"	14,2	162	68	70	4700 KG	12,7 BULK
900612A	910612A	6,0		1/2"	12,58	162	80	64	5400 KG	10,8 BULK
906312A	916312A		1/4"	1/2"	12,58	162	80	64	5400 KG	11,0 BULK
900712A	910712A	7,0	9/32"	1/2"	14,2	170	80	70	5400 KG	14,0 BULK
900812A	910812A	8,0	5/16"	1/2"	16,0	185	80	83	5400 KG	19,2 BULK
900816A	910816A	8,0	5/16"	5/8"	16,0	203	100	83	8000 KG	25,9 BULK
909516A	919516A		3/8"	5/8"	17,8	210	100	89	8000 KG	31,1 BULK
901016A	911016A	10,0		5/8"	17,8	212	100	89	8000 KG	30,1 BULK
909520A	919520A		3/8"	3/4"	17,8	230	120	89	13000 KG	38,7 BULK
901020A	911020A	10,0		3/4"	17,8	230	120	89	13000 KG	39,1 BULK
* 901220AX	911220AX	12,0		3/4"	21,4	265	120	120	13000 KG	48,6 BULK
* 901320A	911320A		1/2"	3/4"	21,4	266	120	120	13000 KG	48,6 BULK
901422A	911422A	14,0		7/8"	25,0	308	140	140	17000 KG	78,7 BULK
901625A	911625A	16,0	5/8"	1"	28,0	363	170	160	24000 KG	126,0 BULK
901927A	911927A	19,0	3/4"	1-1/8"	34,5	425	180	200	25500 KG	210,0 BULK
902230A	912230A	22,0	7/8"	1-1/4"	40,5	480	200	230	31000 KG	313,0 BULK
902636A	912636A	26,0	1"	1-3/8"	46,0	550	220	280	43000 KG	470,0 BULK

* Note: Terminal OD. = 21,4 mm

Note: All breakloads are determined by thread.

The user is responsible for choosing the proper cable diameter and for correct assembly

Note: DRILLED FOR SPLIT PIN - ONLY UNF

For right hand thread drilled use 93 instead of 90

For left hand thread drilled use 94 instead of 91

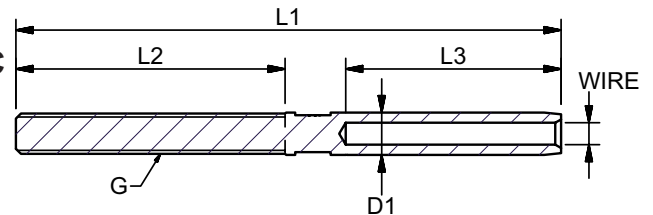
For all other measures. Please refer to Cat. No 90 & 91



THREAD TERMINALS METRIC

Stainless Steel - AISI 316

The Blue Wave Thread Terminals all features, engraved wire size, Blue Wave logo, and swage depth marking for faster and easier swaging.

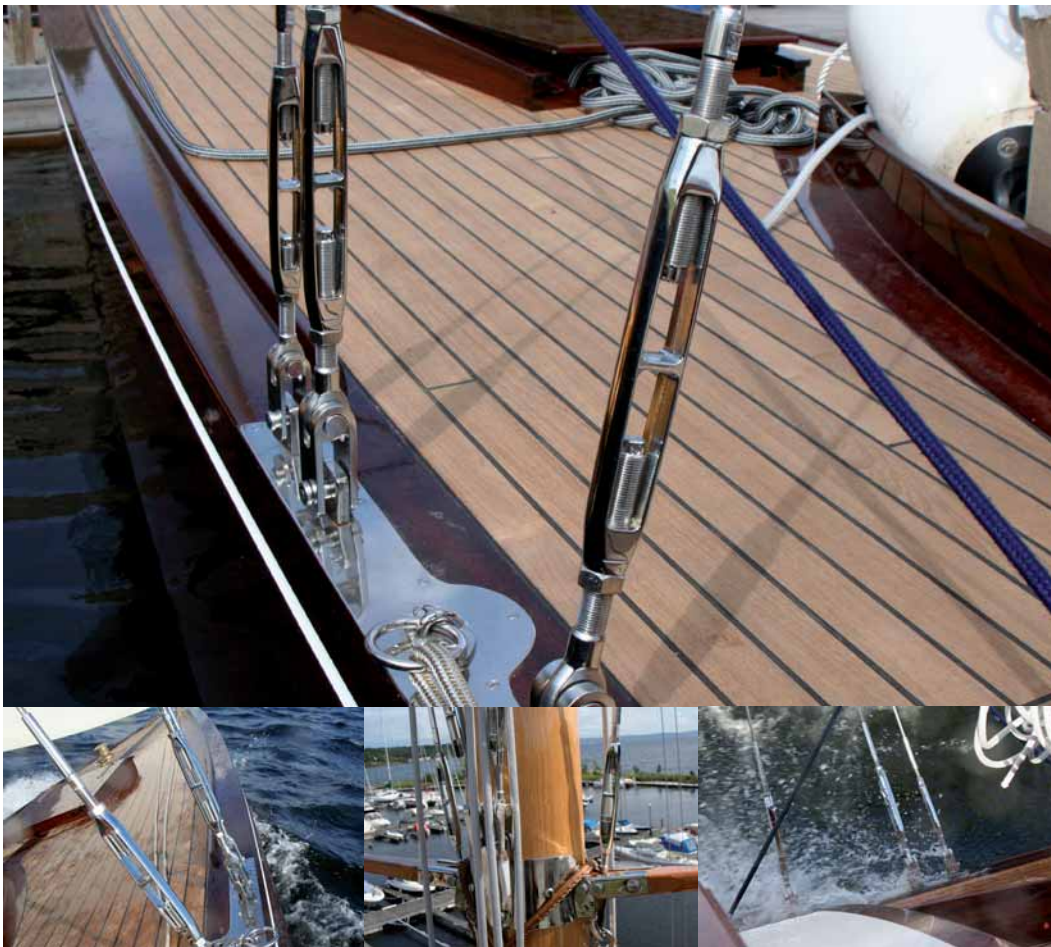


ART. NO. RIGHT	ART. NO. LEFT	WIRE	THREAD G	L1	L2	L3	D1	BL	KG/100	PACK
900205	910205	2,0	M5	87	42	32	5,5	800 KG	1,4	BULK
902505	912505	2,5	M5	87	42	32	5,5	800 KG	1,5	BULK
900306	910306	3,0	M6	100	48	38	6,35	1300 KG	2,0	BULK
900406	910406	4,0	M6	110	48	45	7,5	1300 KG	2,4	BULK
900408	910408	4,0	M8	117	57	45	7,5	2350 KG	3,0	BULK
900508	910508	5,0	M8	125	57	51	9,0	2350 KG	4,0	BULK
900510	910510	5,0	M10	130	63	51	9,0	3500 KG	4,5	BULK
900610	910610	6,0	M10	145	63	64	12,58	3500 KG	8,4	BULK
900612	910612	6,0	M12	162	80	64	12,58	5100 KG	11,0	BULK
900714	910714	7,0	M14	180	89	70	14,2	5900 KG	16,0	BULK
900816	910816	8,0	M16	203	100	83	16,0	8000 KG	23,0	BULK
901020	911020	10,0	M20	230	120	89	17,8	13000 KG	35,0	BULK
901220	911220	12,0	M20	249	120	105	20,0	13000 KG	45,0	BULK
* 901220X	911220X	12,0	M20	265	120	120	21,4	13000 KG	50,0	BULK
901422	911422	14,0	M22	308	140	140	25,0	17000 KG	76,8	BULK
901624	911624	16,0	M24	363	170	160	28,0	23000 KG	111,0	BULK

* Note: Terminal OD. = 21,4 mm



MARINE
RIGGING SYSTEM



Restoration of the classic 9 Meter "Flirt"

"9 Meter R" built 1912 in Asker Norway of Anker & Jensen
Rebuilt by Sollerud Stranda Kystkultur
Refitted by Southern Cross Spars in Norway

This classic 9 Meter was due for an overhaul and the Norwegian based rigging company "Southern Cross Spars" received the commission for the rigging work.

Owner of Southern Cross Spars, Master Rigger Ed Tadzik did his utmost to keep the old wooden mast as original as possible, with handcrafted high polished stainless steel fittings, and matching high polished Chromed Bronze Rigging Screws, and other rigging hardware from Blue Wave.

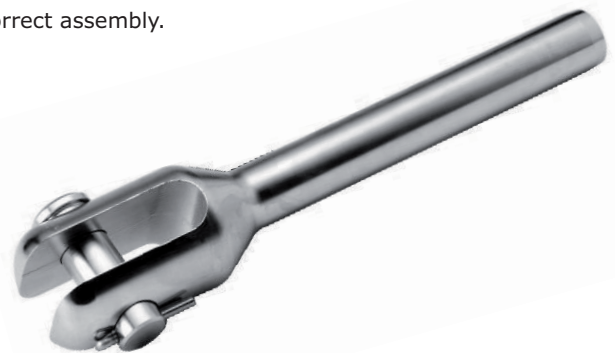
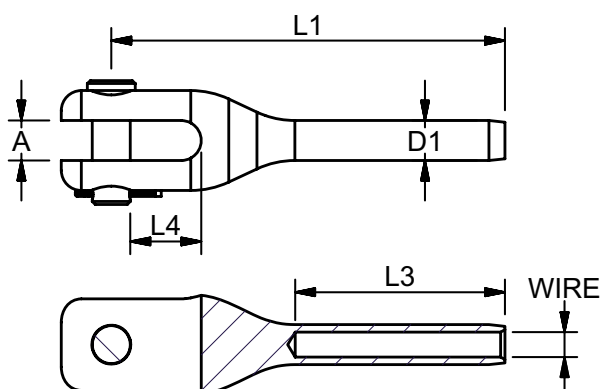
MACHINED FORK TERMINALS

High Polished Stainless Steel - AISI 316

ART. NO.	WIRE	L1	L3	L4	D1	A	PIN SIZE	BL	KG/100 PACK	
721912	12,0	197	105	35,5	20,0	20	19,0	13000 KG	100	BULK
* 721912X	12,0	197	105	35,5	21,4	24	19,0	13000 KG	110	BULK
722214	14,0	239	140	38,0	25,0	22	22,0	17000 KG	170	BULK
722516	16,0	271	160	39,3	28,0	25	25,4	24000 KG	210	BULK
722819	19,0	327	200	41,0	34,4	30	28,0	25500 KG	330	BULK
723222	22,0	377	230	51,0	40,4	35	32,0	31000 KG	480	BULK
723526	26,0	434	280	49,5	46,0	35	35,0	43000 KG	700	BULK

Note: All break loads are determined by clevis pin.
The user is responsible for choosing the proper cable diameter and for correct assembly.

* Note: Terminal OD. = 21,4 mm





MARINE
RIGGING HARDWARE

WELDED FORK TERMINALS

Polished Stainless Steel - AISI 316

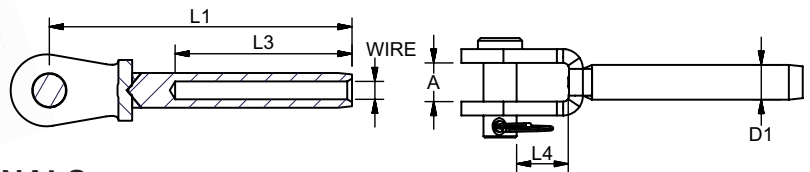
The Blue Wave Fork Terminals all features, Blue Wave logo, and swage depth marking for faster and easier swaging.

ART. NO.	WIRE	D1	L1	L3	L4	PIN SIZE	A	BL	KG/100	PACK
100502	2 1/16"	5,50	58	32	9,5	5,0	7,5	800	2,0	25
100525	2,5 3/32"	5,50	58	32	9,5	5,0	7,5	800	2,0	25
100503	3 1/8"	6,35	67	38	9,5	5,0	7,5	800	2,3	25
100603	3 1/8"	6,35	68	38	10	6,0	9,5	1300	2,8	25
106303	3 1/8"	6,35	68	38	10	6,4	9,5	1300	2,8	25
100504	4 5/32"	7,50	71	45	9,5	5,0	7,5	800	2,7	25
100604	4 5/32"	7,50	73	45	10	6,0	9,5	1300	3,4	25
100804	4 5/32"	7,50	77	45	11	8,0	11,0	2350	4,9	25
100605	5 3/16"	9,00	83	51	10	6,0	9,5	1300	4,1	25
100805	5 3/16"	9,00	87	51	11	8,0	11,0	2350	5,5	10
109505	5 3/16"	9,00	91	51	14,25	9,5	12,0	3500	7,2	10
100806	6 -	12,58	99	64	11	8,0	11,0	2350	10,0	10
109506	6 -	12,58	104	64	14,25	9,5	12,0	3500	11,3	10
101106	6 -	12,58	108	64	17,5	11,0	13,0	4700	13,9	10
101163	- 1/4"	12,58	108	64	17,5	11,0	13,0	4700	13,9	10
101206	6 -	12,58	110	64	19	12,0	14,0	5100	17,6	10
101207	7 9/32"	14,20	119	70	19	12,0	14,0	5100	18,1	10
101208	8 5/16"	16,00	136	83	19	12,0	14,0	5100	21,6	10
101308	8 5/16"	16,00	136	83	19	12,7	14,0	5100	21,6	10
101608	8 5/16"	16,00	145	83	25	16,0	18,0	9600	25,5	10
101495	- 3/8"	17,80	151	89	26	14,0	18,0	7600	35,0	10
101410	10 -	17,80	151	89	26	14,0	18,0	7600	35,0	10
101410L	10 -	17,80	149	89	22	14,0	22,0	7600	35,0	10
101610	10 -	17,80	151	89	26	16,0	18,0	7600	35,0	10
101612	12 -	20,00	174	105	25	16,0	18,0	9600	60,0	5
101612L	12 -	20,00	171	105	23	16,0	22,0	9600	60,0	5
101912	12 -	20,00	189	105	42,5	19,0	24,0	13000	66,0	5
101912L	12 -	20,00	187	105	38,5	19,0	30,0	13000	66,0	5
* 101912X	12 -	21,40	205	120	42,5	19,0	24,0	13000	75,0	5
* 101913	- 1/2"	21,40	205	120	42,5	19,0	24,0	13000	75,0	5
101914L	14 -	25,00	221	140	38,5	19,0	30,0	13000	75,0	5
102214	14 -	25,00	232	140	46	22,0	30,0	17000	112,7	5
102514	14 -	25,00	235	140	49,3	25,4	30,0	24000	125,0	5
102516	16 -	28,00	264	160	49,3	25,4	30,0	24000	140,0	5

Note: All breakloads are determined by clevis pin

The user is responsible for choosing the proper cable diameter and for correct assembly

* Note: Terminal OD. = 21,4 mm

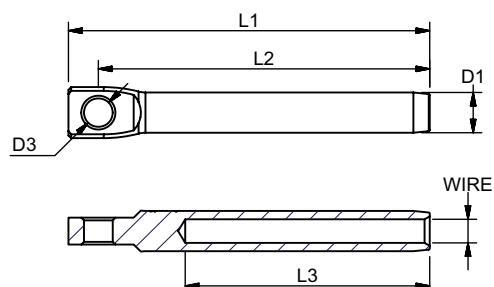


LIFELINE TERMINALS

High Polished Stainless Steel - AISI 316

ART. NO.	WIRE	D1	L1	L2	L3	D3	KG/100	PACK
640003	3,0 1/8"	6,35	56	51	38	5,3	0,9	20
640004	4,0 5/32"	7,50	67	61	45	5,3	1,4	20

The user is responsible for choosing the proper cable diameter and for correct assembly





MARINE
RIGGING SYSTEM

EYE TERMINAL

High Polished Stainless Steel - AISI 316

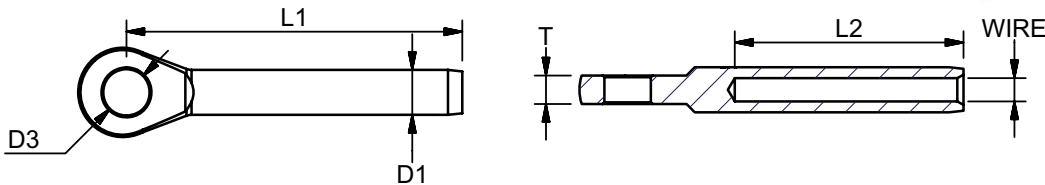
The Blue Wave Eye Terminals all features, engraved wire size, Blue Wave logo, and swage depth marking for faster and easier swaging.

ART. NO.	WIRE	D1	D3	L1	L2	T	BL	KG/100	PACK
190002	2,0 1/16"	5,5	5,5	49	32	3	800 KG	0,9	100
190025	2,5 3/32"	5,5	5,5	49	32	3	800 KG	0,8	100
190003	3,0 1/8"	6,35	6,5	58	38	4	1300 KG	1,3	100
190004	4,0 5/32"	7,5	8,5	67	45	5	2350 KG	2,3	100
190005	5,0 3/16"	9,0	10,5	79	51	6	3500 KG	3,9	25
190055	7/32"	10,8	10,5	85	59	6	3500 KG	6,0	25
190006	6,0	12,58	13,0	94	64	8	5600 KG	8,7	10
190006X	6,0	12,58	13,2	105	64	10	6200 KG	13,2	10
190063	1/4"	12,58	13,0	95	64	8	5600 KG	8,5	10
190063X	1/4"	12,58	13,2	105	64	10	6200 KG	11,0	10
190007	7,0 9/32"	14,2	13,0	104	70	9	5600 KG	11,5	10
190007X	7,0 9/32"	14,2	13,2	110	70	10	6200 KG	13,5	10
190008	8,0 5/16"	16,0	14,5	124	83	10	7600 KG	17,0	10
190008X	8,0 5/16"	16,0	16,5	141	83	12	9800 KG	23,5	10
190095	3/8"	17,8	16,3	137	89	11	9800 KG	25,3	10
190095X	3/8"	17,8	19,5	165	100	16	13000 KG	38,1	10
190010	10,0	17,8	16,3	137	89	11	9800 KG	25,0	10
190010BW	10,0	17,8	16,3	165	100	16	9800 KG	38,0	10
190010X	10,0	17,8	19,5	165	100	16	13000 KG	38,0	10
190012	12,0	20,0	19,3	156	105	15	13000 KG	41,5	5
* 190012X	12,0	21,4	19,3	178	120	15	13000 KG	41,0	5
* 190013	1/2"	21,4	19,3	178	120	15	13000 KG	41,0	5
190014	14,0	25,0	23,0	206	140	18	17000 KG	75,6	5
190016	16,0 5/8"	28,0	26,0	232	160	20	24000 KG	102,0	5
190019	19,0	34,5	28,5	302	200	25	27000 KG	209,0	BULK
190022	22,0	40,4	33,0	348	230	30	31000 KG	314,0	BULK
190026	26,0	46,0	36,0	400	280	30	43000 KG	425,0	BULK

Note: All breakloads are determined by eye (D3)

The user is responsible for choosing the proper cable diameter and for correct assembly

* Note: Terminal OD. = 21,4 mm



ESMERALDA

The Chilean Navy Training ship "Esmeralda" is a two time "Cutty Sark Trophy" winner.

BW has supplied turnbuckles to part of her bowsprit.

M56 threaded toggle with a resin socket, Wire: 6x36, 32mm

The Esmeralda is a brigantine of four masts with square sails at the pawl and fore-and-aft sails at the after and forward main mast and mizzen mast. The height of masts is of 48,5 m, it has 29 sails and a sail area of 2.870 m².

Shipyard: Astilleros de Cadiz S.A
Model Year: 1953





MARINE
RIGGING HARDWARE

REMOVABLE EYE SYSTEM

INSIDE THREADED EYES

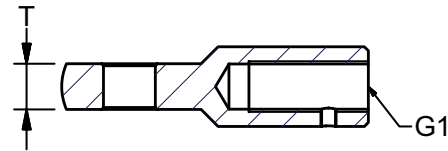
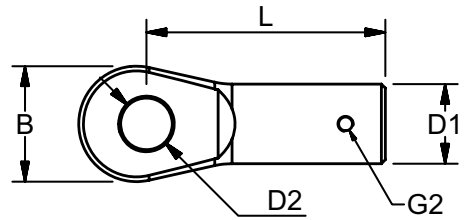
High Polished Stainless Steel - AISI 316

ART. NO.	G1	G2	L	T	B	D1	D2	BL	PACK
511908A	5/16"	M4	41	5	17	14,0	8,5	2350 KG	BULK
511910A	3/8"	M4	43,0	6,0	23,0	15,0	9,8	3500 KG	BULK
511911A	7/16"	M4	58,0	8,0	24,0	18,0	11,2	4700 KG	BULK
511912A	1/2"	M4	64,0	10	30,0	20,0	13,0	5400 KG	BULK
511916A	5/8"	M6	78,0	12,0	36,0	28,0	16,5	10000 KG	BULK
511920A	3/4"	M6	90,0	16,0	43,0	30,0	19,5	13000 KG	BULK

NEW!
SIZES

Note: All breakloads are determined by clevis pin (D2) and thread.

The user is responsible for choosing the proper cable diameter and for correct assembly. incl allenscrew.



SHORT THREAD TERMINAL

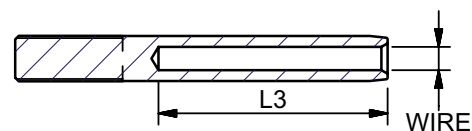
High Polished Stainless Steel - AISI 316

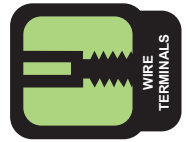
ART. NO.	WIRE	G	D1	L1	L2	L3	BL	PACK
* 510408	4,0	M8	7,50	73,0	12,0	45,0	2350 KG	BULK
* 510508	5,0	M8	9,0	82,0	12,0	51,0	2350 KG	BULK
510508A	5,0	5/16"	9,00	81,0	15,0	51,0	2350 KG	BULK
510510A	5,0	3/8"	9,00	82,0	20,0	51,0	3500 KG	BULK
510608	6,0	M8	12,58	96,0	12,0	64,0	2350 KG	BULK
510611A	6,0	7/16"	12,58	104,0	30,0	64,0	4700 KG	BULK
510612A	6,0	1/2"	12,58	104,0	30,0	64,0	5400 KG	BULK
510712A	7,0	1/2"	14,20	115,0	30,0	70,0	5400 KG	BULK
510816A	8,0	5/8"	16,00	123,0	30,0	83,0	5400 KG	BULK
511020A	10,0	3/4"	17,80	155,0	40,0	89,0	8000 KG	BULK
511220A	12,0	3/4"	20,00	185,0	50,0	120,0	13000 KG	BULK
511320A	1/2"	3/4"	21,40	185,0	50,0	120,0	13000 KG	BULK

Note: All breakloads are determined by thread.

The user is responsible for choosing the proper cable diameter and for correct assembly

* With key width



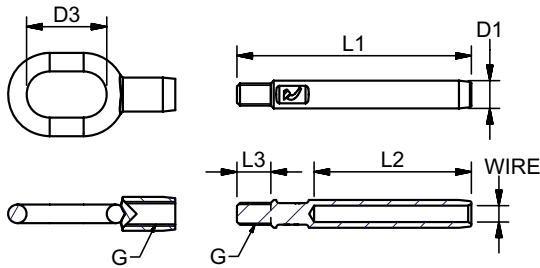


ROPE TERMINALS

High Polished Stainless Steel - AISI 316

ART. NO.	WIRE		THREAD G	L1	L2	L3	D1	D3	KG/100	PACK
650003	3,0	1/8"	5/16"	60	38	10	6,35	26	3,9	20
650004	4,0	5/32"	5/16"	68	45	11	7,5	26	4,2	20
650005	5,0	3/16"	5/16"	76	51	11	9,0	26	4,9	20

The user is responsible for choosing the proper cable diameter and for correct assembly.



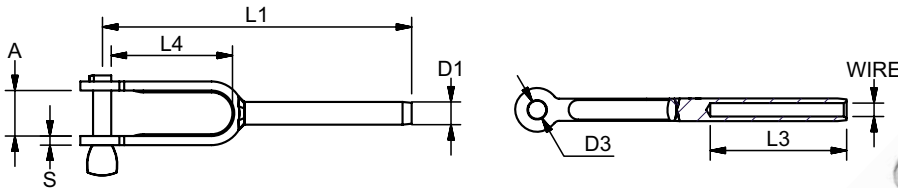
SHACKLE TERMINAL

High Polished Stainless Steel - AISI 316

The Blue Wave Shackle Terminals all features, engraved wire size, Blue Wave logo, and swage depth marking for faster and easier swaging.

ART. NO.	WIRE		D1	D3	L1	L3	L4	A	S	KG/100	PACK
101804	4,0	5/32"	7,5	6	102	45	40	15	3	3,4	25

The user is responsible for choosing the proper cable diameter and for correct assembly



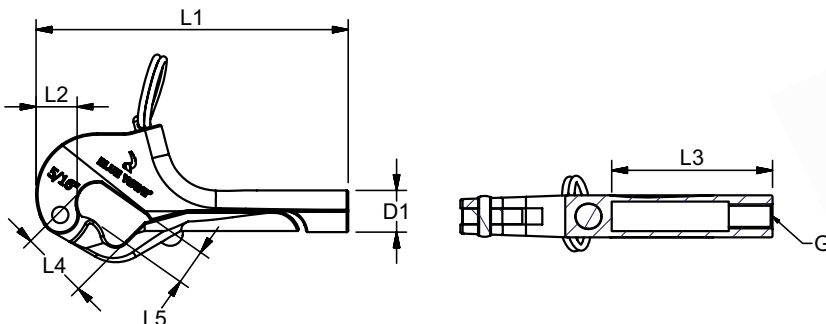
GATE-HOOK

High Polished Stainless Steel - AISI 316

This top of the line Gate-Hook, is based on the "over the center" principal. The load is carried on the body, not on the hook, for greater safety and ease of operations.

ART. NO.	THREAD SIZE	THREAD	L1	L2	L3	L4	L5	D1	KG/100	PACK	PCS
450008	M8	RIGHT	100,0	12,2	50,0	21,0	12,0	13,3	12,6	BULK	
450008A	5/16"	LEFT	100,0	12,2	50,0	21,0	12,0	13,3	12,6	BULK	

The user is responsible for choosing the proper cable diameter and for correct assembly.





MARINE
RIGGING HARDWARE

TOGGLE TERMINALS

High Polished Stainless Steel - AISI 316

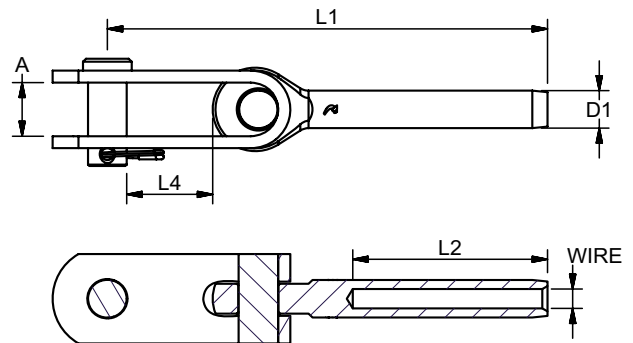
The Blue Wave Toggle Terminals all features, engraved wire size, Blue Wave logo, and swage depth marking for faster and easier swaging.

ART. NO.	WIRE	D1	PIN SIZE	L1	L2	A	L4	BL	KG/100	PACK
500603	3,0 1/8"	6,35	6,35	81	38	10	12,8	1300 KG	4,3	10
500804	4,0 5/32"	7,5	8,0	94	45	11	15,0	2350 KG	7,3	10
509505	5,0 3/16"	9,0	9,5	116	51	13	20,3	3500 KG	13,8	10
509555	7/32"	10,8	9,5	124	59	13	19,3	3500 KG	16,0	10
501106X	6,0	12,58	11,0	135	64	15	19,5	4100 KG	27,3	10
501163X	1/4"	12,58	11,0	145	64	15	19,5	4100 KG	27,1	10
501206X	6,0	12,58	12,7	151	64	18	24,7	6200 KG	33,4	5
501263X	1/4"	12,58	12,7	151	64	18	24,7	6200 KG	33,2	5
501207X	7,0 9/32"	14,2	12,7	157	70	18	24,7	6200 KG	35,7	5
501308	8,0 5/16"	16,0	12,7	170	83	18	24,7	6200 KG	37,5	5
501608X	8,0 5/16"	16,0	15,9	198	83	20	29,0	9800 KG	59,7	5
501610	10,0	17,8	15,9	192	89	20	29,0	9800 KG	64,3	5
501695	3/8"	17,8	15,9	177	89	18	22,0	9800 KG	61,2	5
501995X	3/8"	17,8	19,0	228	100	24	32,5	13000 KG	100,1	BULK
501910X	10,0	17,8	19,0	228	100	24	32,5	13000 KG	100,0	BULK
* 501912X	12,0	21,4	19,0	240	120	24	32,5	13000 KG	103,0	BULK
* 501913	1/2"	21,4	19,0	240	120	24	32,5	13000 KG	103,0	BULK
502214	14,0	25,0	22,0	277	140	26	34,9	17000 KG	170,2	BULK
502516	16,0 5/8"	28,0	25,4	313	160	29	40,3	24000 KG	265,5	BULK
502819	19,0 3/4"	34,5	28,0	399	200	34	46,5	25500 KG	512,0	BULK
503222	22,0 7/8"	40,4	32,0	463	230	40	54,0	31000 KG	570,0	BULK
503526	26,0 1"	46,0	36,0	518	280	44	62,0	43000 KG	750,0	BULK

Note: All breakloads are determined by clevis pin

The user is responsible for choosing the proper cable diameter and for correct assembly

* Note: Terminal OD. = 21,4 mm



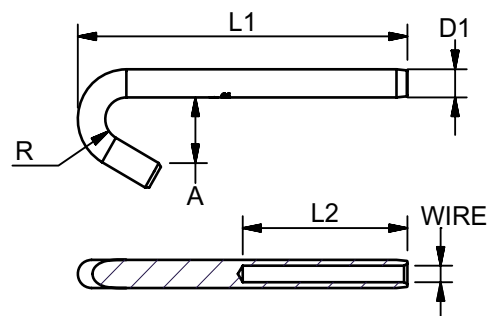
HOOK TERMINALS

High Polished Stainless Steel - AISI 316

The Blue Wave Hook Terminals all features, engraved wire size, Blue Wave logo, and swage depth marking for faster and easier swaging.

ART. NO.	WIRE	D1	L1	L2	A	R	KG/100	PACK
630025	2,5 3/32"	6,35	68,5	32,0	12,0	8,0	1,9	20
630003	3,0 1/8"	6,35	73,0	38,0	12,0	8,0	2,0	20
630004	4,0 5/32"	7,5	90,0	45,0	18,0	11,5	3,3	20

The user is responsible for choosing the proper cable diameter and for correct assembly





MARINE
RIGGING SYSTEM

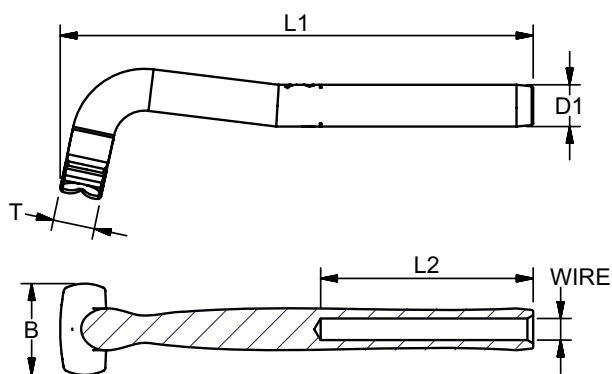
“T” TERMINALS

High Polished Stainless Steel - AISI 316

The Blue Wave “T” Terminals all features, engraved wire size, Blue Wave logo, and swage depth marking for faster and easier swaging.

ART. NO.	WIRE	L1	D1	B	T	L2	KG/100	PACK
610002	2,0	83	5,5	15,0	6,3	32	1,5	20
610025	2,5 3/32"	83	5,5	15,0	6,3	32	1,5	20
610003	3,0 1/8"	88	6,35	15,0	6,3	38	2,0	20
610004	4,0 5/32"	101	7,5	16,5	7,5	45	4,0	20
610005	5,0 3/16"	112	9,0	18,5	9,0	51,0	6,5	20
610006	6,0	138	12,58	27,5	12,58	64	15,0	20
610063	1/4"	138	12,58	27,5	12,58	64	15,0	10
610007	7,0 9/32"	144	14,2	29,0	14,2	70	17,0	10
610008	8,0 5/16"	184	16,0	34,0	16,0	83,0	31,5	10
610095	3/8"	208	17,8	35,5	17,8	89	34,5	10
610010	10,0	208	17,8	35,5	17,8	89	34,5	10

The user is responsible for choosing the proper cable diameter and for correct assembly

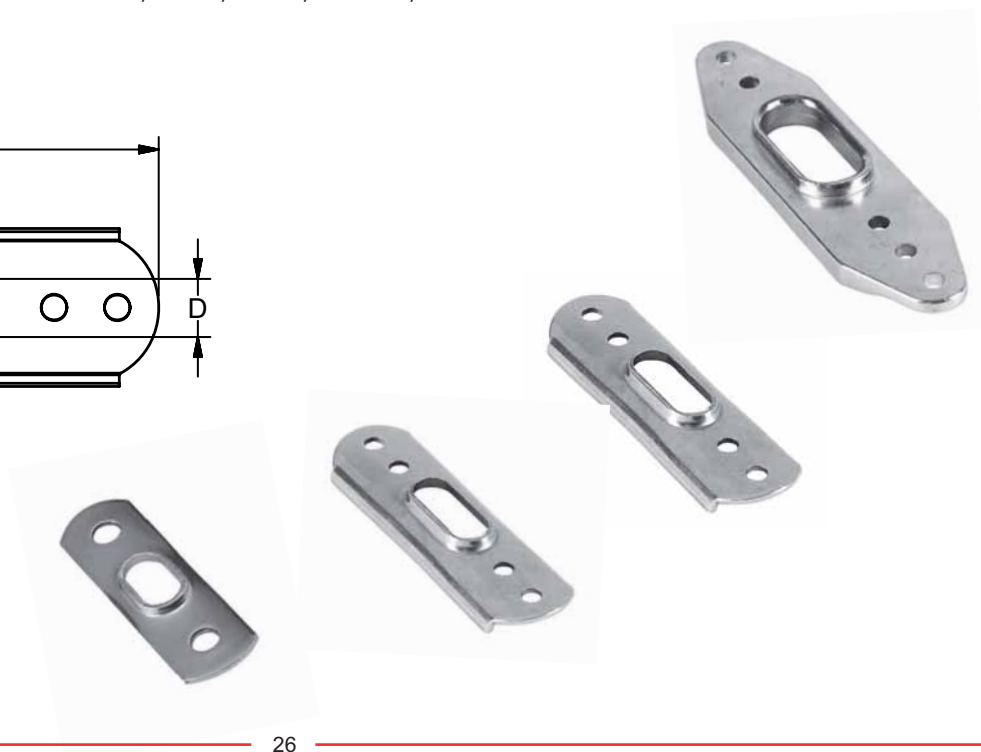
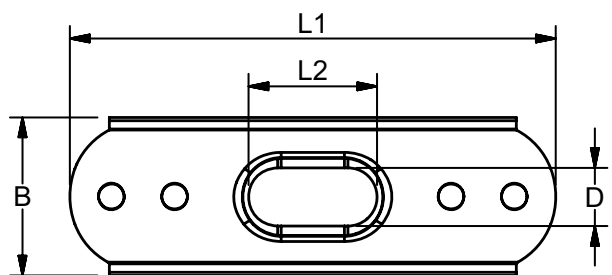


BACK PLATES FOR “T” TERMINALS

High Polished Stainless Steel - AISI 316

The Blue Wave “T” Terminals all features, engraved wire size, Blue Wave logo, and swage depth marking for faster and easier swaging.

ART. NO.	WIRE DIM.	ROD DIM	L1	L2	B	D	KG/100	PACK
616103	2,0-3,0		50	12,5	15,0	7,0	0,5	20
616105	4,0-5,0		88	26,0	26,0	9,5	3,5	20
616107	6,0-7,0	5,0-7,1	123	32,0	38,0	15,0	9,0	20
616110	8,0-10,0	7,1-8,4	151	41,0	38,0	19,0	23,0	10



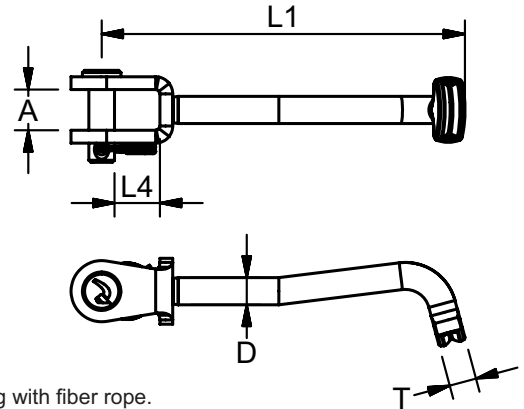


MARINE
RIGGING HARDWARE

“T” FORK

High Polished Stainless Steel - AISI 316

ART. NO.	L1	L4	D	A	T	PIN SIZE	KG/100	PACK
613406	83,5	10,00	6,35	9,50	6,35	6,0	3,8	BULK
613408	93,0	11,00	7,50	11,00	7,50	8,0	7,4	BULK
613495	104,5	14,25	9,00	12,00	9,00	9,5	11,5	BULK
613412	130,0	19,50	12,58	14,00	12,58	12,0	22,3	BULK



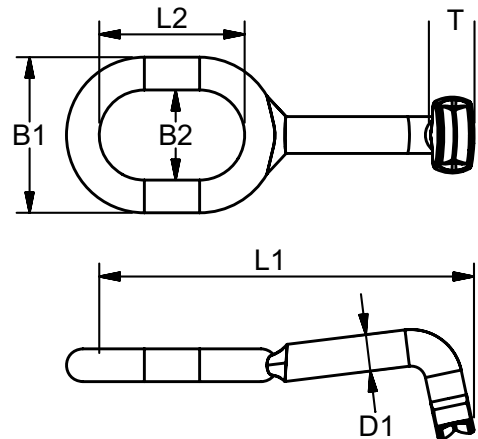
“T” ROPE EYE

High Polished Stainless Steel - AISI 316

The “T” Rope Eye is used for replacing existing wire rig with fiber rope.

ART.NO.	ROPE SIZE	L1	L2	B1	B2	D	T	BL	KG/100	PACK
616506	3	81,5	26,0	27	15	6,35	6,3	800	3,8	BULK
616507	4	85,0	26,0	27,00	15	7,50	7,50	1800	4,1	BULK
616509	5	99,5	34,0	38,00	22,0	9,00	9,00	2800	8,7	BULK
616512	6	109,0	34,0	38	22,0	12,58	12,58	4100	10,2	BULK

Note: All break loads are determined by ring & terminal



BALL TERMINALS

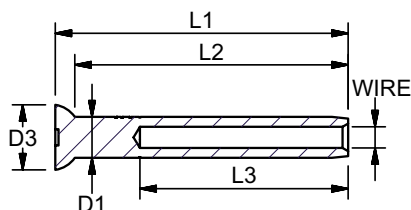
High Polished Stainless Steel - AISI 316

The Blue Wave Stemball Terminals all features, engraved thread size, Blue Wave logo, and swage depth marking for faster and easier swaging.

ART. NO	WIRE	D1	D3	L1	L2	L3	KG/100	PACK
620003	3 1/8"	6,35	13	58	54	38	1,1	20
620004	4 5/32"	7,5	16	69	63	45	2,4	20
620005	5 3/16"	9	19	79	72	51	3,8	20
620055	- 7/32"	10,8	20	85	79	58	4	20
620006	6 -	12,58	20	90	84	64	7,9	20
620063	- 1/4"	12,58	20	90	84	64	8,5	20
620007	7 9/32"	14,2	21,3	94	87	70	10	20
620008	8 5/16"	16	26,3	116	108	83	16,9	10
620095	- 3/8"	17,8	27,5	126	119	89	23,5	10
620010	10 -	17,8	27,5	129	119	89	23,5	10
620012	12 -	20	28	145	135	105	26,7	5
* 620012X	12 -	21,4	28	145	135	105	27	5
620010A	10 -	17,8	31,6	128	117	89	23,5	Bulk
620012A	12 -	20	35,6	150	138	105	26,7	Bulk
620014A	14 -	25	40,2	195	183	140	58,5	Bulk
620016A	16 -	28	44,6	210	199	160	71,6	Bulk

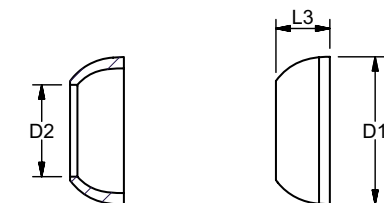
Note: "A" marked Stemball terminals are for tip cup use, delivery and price on request!

* Note: Terminal OD. = 21,4 mm



BALL CUP

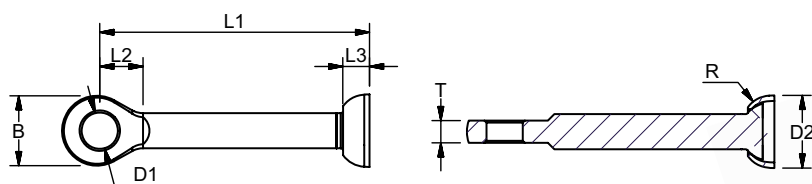
ART. NO.	WIRE	D2	D1	L3	KG/100	PACK PCS.
626204	3-4	9,0	26,0	11,0	1,0	20
626205	5	11,25	26,0	11,0	1,0	20
626207	6-7	16,0	26,0	9,5	1,0	20
626212	8-10	20,0	34,0	12,0	1,5	10
626212X	12	21,4	34	12	1,5	ON REQUEST



BALL - EYE

High Polished Stainless Steel - AISI 316

ART. NO.	WIRE	L1	L2	L3	B	T	D1	D2	R	KG/100	PACK
19620926	5	83,0	16,0	11,0	21,0	6,0	10,50	26	10	6,9	BULK
19621226	6	98,5	15,5	11,0	25,0	8,0	13,00	26	10	12,2	BULK
19621426	7	106	18,5	10,0	27,0	9,0	13,00	26	10	16,6	BULK
19621634	8	128,0	21,5	12,0	30,0	10,0	16,50	34	15	24,9	BULK





MARINE
RIGGING HARDWARE

SWAGELESS TERMINALS



Jaw housing
Caja
Coprimorsetto



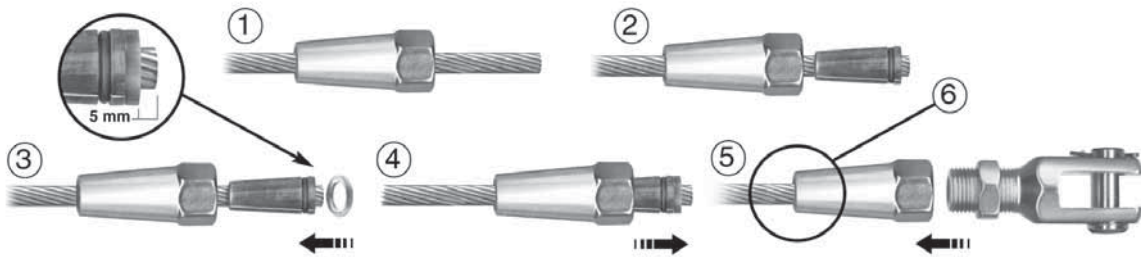
Jaws
Mordazas
Morsetto



Pressure ring (brass)
Anillo de latón
Anello di ottone



Head
Cabeza
Testa



ASSEMBLE INSTRUCTIONS

1. First slide the jaw housing in place on the cable.
2. Next, slide the jaws onto the cable leaving some space between the jaw sections.
3. Place the brass pressure ring on the end of the cable. Make sure that the distance from the pressure ring to the end of the cable is **5 mm**.
4. Slide the jaw housing over the jaws.
5. The terminal can now be assembled. Screw the head **firmly to the** jaw housing with a spanner. Then tighten the lock nut **firmly** with a spanner.
6. When assembling the Swageless Terminal a non-acidic sealing compound must be used in the housing, sikaflex 221, for example. Disassemble the terminal and fill the jaw housing and the cavity with sealing compound, then assemble the terminal. Repeat this until the sealing compound emerges from the hole through which the cable is inserted. Clean the terminal. **Do NOT reuse the jaws**. Make sure that the dimensions of the terminal and cable match.

Maintenance

Check the terminal regularly for damage in connection with longer exposure to concentrated saline solutions or polluted surroundings. Check the seal, if it is broken remove all sealing compound. Then rinse the terminal with fresh water and treat it with WD40. Reseal the terminal with non-acidic sealing compound.

Note

After the first dynamic load the terminal **MUST** be tightened again. The terminal was developed for use with following types of cable: 1x19, 7x19 and 7x7. The terminal can also be used with Dyform (compacted strand) When assembling swageless terminals the the breaking strength of the cable used will be reduced by 0-15 %.



The user is responsible for choosing the proper cable diameter and for correct assembly



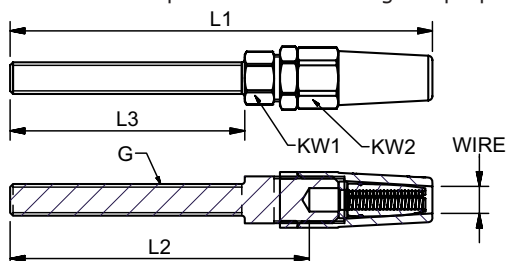
MARINE
RIGGING SYSTEM

SWAGELESS THREAD TERMINALS METRIC

High Polished Stainless Steel - AISI 316

ART. NO RIGHT	ART. NO. LEFT	WIRE	THREAD G	L1	L2	L3	KW1	KW2	BL	KG/100
800305	810305	3	M5	79	58	42	10	12	750 KG	4,2
800306	810306	3	M6	85	63	47	10	12	750 KG	4,5
800406	810406	4	M6	92	63	47	12	14	1500 KG	5,6
800408	810408	4	M8	102	72	57	12	14	1500 KG	6,6
800508	810508	5	M8	111	78	57	13	16	2180 KG	9,0
800510	810510	5	M10	117	84	63	13	16	2180 KG	10,0
800610	810610	6	M10	128	90	63	16	19	3700 KG	15,0
800612	810612	6	M12	145	107	80	16	19	3700 KG	17,0
800712	810712	7	M12	153	110	80	18	22	4700 KG	22,0
800714	810714	7	M14	162	119	89	18	22	4700 KG	25,0
800812	810812	8	M12	162	113	80	19	24	5600 KG	28,0
800814	810814	8	M14	171	122	89	19	24	5600 KG	31,0
800816	810816	8	M16	182	133	100	19	24	5600 KG	40,0
801016	811016	10	M16	190	139	100	24	27	8300 KG	48,0
801220	811220	12	M20	227	159	120	27	32	12000 KG	79,0
801422	811422	14	M22	264	191	140	30	36	17000 KG	124,0
801624	811624	16	M24	308	227	170	32	41	23000 KG	175,0

Note: All breakloads are determined by wedges (jaws) and thread
The user is responsible for choosing the proper cable diameter and for correct assembly



SWAGELESS THREAD TERMINALS UNF

High Polished Stainless Steel - AISI 316

ART. NO. RIGHT	ART. NO. LEFT	WIRE	THREAD G	L1	L2	L3	KW1	KW2	BL	KG/100
800306A	810306A	3	1/4"	85	63	47	10	12	750 KG	4,5
803206A	813206A		1/8"	85	63	47	10	12	750 KG	4,5
800406A	810406A	4	5/32"	92	63	47	12	14	1500 KG	5,6
800408A	810408A	4	5/32"	102	72	57	12	14	1500 KG	6,6
804708A	814708A		3/16"	111	78	57	13	16	2150 KG	9,0
800508A	810508A	5	5/16"	111	78	57	13	16	2180 KG	9,0
800510A	810510A	5	3/8"	117	84	63	13	16	2380 KG	10,0
805510A	815510A		7/32"	128	90	63	16	19	3000 KG	14,0
805511A	815511A		7/32"	133	95	68	16	19	3000 KG	14,3
805512A	815512A		7/32"	145	107	80	16	19	3000 KG	17,5
800610A	810610A	6	3/8"	128	90	63	16	19	3700 KG	15,0
800611A	810611A	6	7/16"	133	95	68	16	19	3700 KG	15,0
800612A	810612A	6	1/2"	145	107	80	16	19	3700 KG	17,5
806310A	816310A		1/4"	128	90	63	16	19	3700 KG	15,0
806311A	816311A		1/4"	133	95	68	16	19	3700 KG	15,0
806312A	816312A		1/4"	145	107	80	16	19	3700 KG	17,5
800712A	810712A	7	9/32"	162	107	80	18	22	5600 KG	17,5
800812A	810812A	8	5/16"	162	107	80	19	24	5600 KG	17,5
800816A	810816A	8	5/16"	182	133	100	19	24	5600 KG	40,0
809516A	819516A		3/8"	190	133	100	24	27	8000 KG	47,2
801016A	811016A	10	5/8"	190	133	100	24	27	8300 KG	47,2
801220A	811220A	12	3/4"	227	159	120	27	32	12000 KG	79,0
801320A	811320A		1/2"	227	159	120	27	32	13600 KG	79,0
801322A	811322A		1/2"	227	159	120	27	32	13600 KG	85,0
801422A	811422A	14	7/8"	264	191	140	30	36	17000 KG	124,0
801625A	811625A	16	1"	308	227	170	32	41	23000 KG	175,0

Note: All breakloads are determined by wedges (jaws) and thread.
The user is responsible for choosing the proper cable diameter and for correct assembly.



MARINE
RIGGING HARDWARE

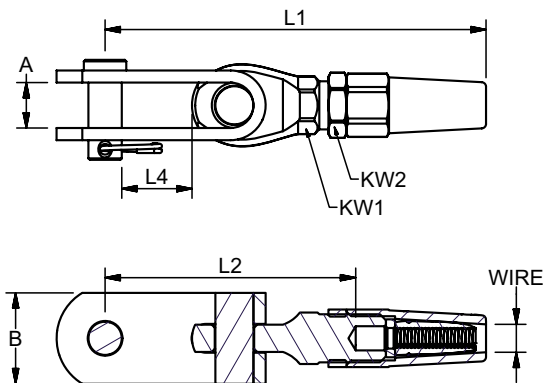
SWAGELESS TOGGLE TERMINALS

High Polished Stainless Steel - AISI 316

Secure, reliable and tool free swaging of wire, with the fastest swageless system on the market. Ideal for emergency repairs and any other job which normally requires professional swaging.

ART. NO.	WIRE	L1	L2	L4	KW1	KW2	A	B	PIN SIZE	BL
830603	3,0	71	50	12,0	10	12	8	14	6,0	750 KG
830804	4,0 5/32"	90	61	15,0	13	14	10	18	8,0	1500 KG
831005	5,0	108	75	21,0	14	16	12	23	9,5	2180 KG
831106	6,0	125	88	23,0	17	19	15	30	11,0	3700 KG
831207	7,0 9/32"	140	100	24,7	18	21	18	30	12,7	4700 KG
831208	8,0 5/16"	148	102	23,7	19	24	18	30	12,7	5600 KG
831610	10,0	176	125	32,0	24	27	20	35	16,0	8300 KG
831912	12,0	206	138	36,0	27	32	24	40	19,0	12000 KG
832214	14,0	230	157	35,0	30	36	26	50	22,2	17000 KG
832516	16,0	261	180	40,0	32	41	29	60	25,4	23000 KG

Note: all breakloads are determined by clevis pin
The user is responsible for choosing the proper cable diameter and for correct assembly

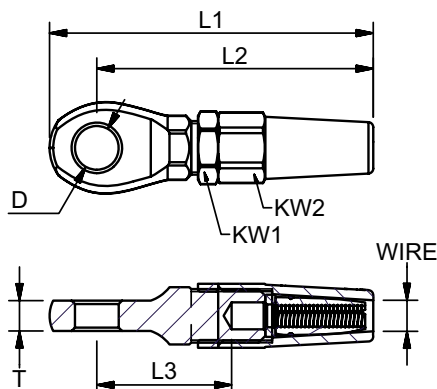


SWAGELESS EYE TERMINALS

High Polished Stainless Steel - AISI 316

ART. NO.	WIRE	L1	L2	L3	T	D	KW1	KW2	BL	KG/100
821903	3 1/18"	58	50	26,5	5,5	6,3	10	12	750	4,0
821904	4 5/32"	68	58	31,0	7	8,3	13	14	1500	7,3
821905	5 -	81	70	37,0	8	10,3	14	16	2180	9,8
821906	6 1/4"	97	83	45,0	9	13	17	19	3700	15,0
821907	7 9/32"	105	89	50,5	9	13	18	21	4700	21,2
821908	8 5/16"	121	103	52,5	10	14,5	19	24	5600	28,1
821910	10 -	135	116	65,0	13	16,2	24	27	8300	46,0
821912	12 -	160	137	71,5	15	19,5	27	32	12000	72,0
821914	14 -	185	160	85,0	18	22	30	36	14000	110,0
821916	16 -	197	170	98,0	20	25	32	41	23000	160,0

Note: All breakloads are determined by wedges (jaws) and eye (D2)
Assemble instruction look at page 29





MARINE
RIGGING SYSTEM

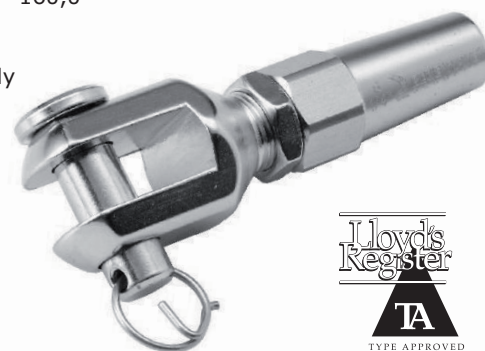
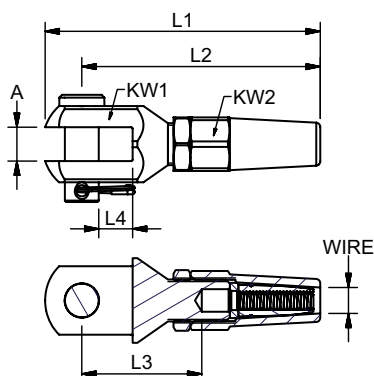
SWAGELESS FORK TERMINALS

High Polished Stainless Steel - AISI 316

Secure, reliable and tool free swaging of wire, with the fastest swageless system on the market. Ideal for emergency repairs and any other job which normally requires professional swaging.

ART. NO.	WIRE	A	L1	L2	L3	L4	PIN SIZE	KW1	KW2	BL	KG/100
840603	3	6	63	55	29,0	8	6	14	12	750 KG	4,0
840632	1/8"	6	63	55	29,0	8	6	14	12	750 KG	4,0
840804	4 5/32"	8	73	62	35,0	8	8	19	14	1500 KG	7,3
841047	3/16"	10	83	72	42,0	10	10	22	16	2150 KG	9,8
841005	5	10	83	72	42,0	10	10	22	16	2180 KG	9,8
841255	7/32"	12	95	82	47,5	12	12	27	19	3000 KG	15,0
841206	6	12	95	82	47,5	12	12	27	19	3700 KG	15,0
841263	1/4"	12	95	82	47,5	12	12	27	19	3700 KG	15,0
841207	7 9/32"	12	115	102	54,5	13	12	29	22	4700 KG	21,2
841408	8 5/16"	14	118	103	58,0	14	14	30	24	5600 KG	28,1
841695	3/8"	16	135	117	70,0	16	16	36	27	8000 KG	46,0
841610	10	16	135	117	70,0	16	16	36	27	8300 KG	46,0
841912	12	18	162	142	75,0	16	19	42	32	12000 KG	72,0
841913	1/2"	18	162	142	75,0	16	19	42	32	13600 KG	72,0
842214	14	21	190	162	88,0	19	22	46	36	17000 KG	110,0
842516	16	23	217	184	102,0	22	25	55	41	23000 KG	160,0

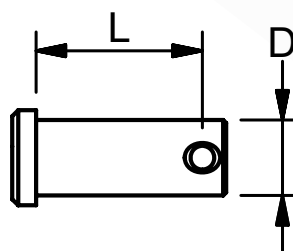
Note: All breakloads are determined by wedges (jaws) and clevis pin
The user is responsible for choosing the proper cable diameter and for correct assembly



CLEVIS PINS

High Polished Stainless Steel - AISI 316

ART. NO.	L	D	KG/100	PACK
061605	15	5,0	0,30	BULK
061806	17	6,0	0,90	BULK
061663	16	6,35	0,90	BULK
061908	18	8,0	1,00	BULK
062008	21	8,0	1,10	BULK
062395	23	9,5	1,50	BULK
062611	26	11,0	2,40	BULK
062812	28	12,0	3,00	BULK
062813	28	12,7	3,50	BULK
063412	34	12,0	4,00	BULK
063214	33	14,0	5,30	BULK
063714	37	14,0	5,50	BULK
063416	34	16,0	6,50	BULK
064016	40	16,0	7,70	BULK
064419	45	19,0	13,00	BULK
064919	49	19,0	14,00	BULK
064622	46	22,0	16,30	BULK
065522	55	22,0	19,00	BULK
065822	58	22,0	20,00	BULK
065525	56	25,4	25,00	BULK
066325	63	25,0	28,00	BULK
067328	73	28,0	40,00	BULK
068332	83	32,0	60,00	BULK
068835	88,5	35,0	76,00	BULK





MARINE
RIGGING HARDWARE

SMART PINS

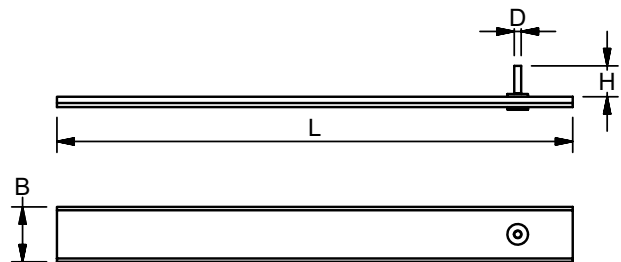
Stainless Steel - AISI 316

Split pin on velcro one-wrap® strap

The smart pins are a fast and new way of securing open body rigging screws. Simply put the pin attached to the Velcro strap into the split hole and secure the Velcro strap around the rigging screw.

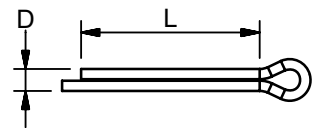
ART. NO. BULK	ART. NO. RETAIL PACK	SIZE	L	B	H	D	KG/100	PACK
VP1020	VP1020P4	M6	1/4"	150	16	8	2,0	0,2 BULK
VP1225	VP1225P4	M8 - M10	5/16" - 3/8"	190	16	10	2,5	0,3 BULK
VP1632	VP1632P4	M12	7/16" - 1/2"	260	20	13	3,2	0,5 BULK
VP2340	VP2340P4	M16 - M20	5/8" - 3/4"	370	25	20	4,0	1,0 BULK

The user is responsible for correct assembly



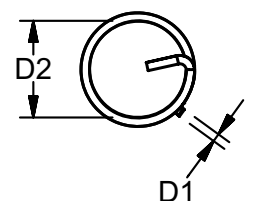
SPLIT PINS

ART. NO.	D MM	L	KG/100	PACK PCS.
070609	1,5	10	0,01	100
0706101	2,0	12	0,03	100
070610	2,0	15	0,03	100
070611	2,0	25	0,05	100
0706121	2,5	16	0,07	100
070612	2,5	25	0,10	100
070613	3,0	25	0,15	50
070614	3,0	32	1,20	50
0706131	3,2	20	0,15	50
0706151	4,0	32	0,36	BULK
070617	5,0	40	0,75	BULK
070618	6,3	50	1,30	BULK



G-RINGS

ART. NO.	D1	D2	KG/100	PACK
070601	1,00	11	0,015	100
070602	1,25	15	0,075	100
070603	1,50	19	0,100	100
070604	2,00	23	0,230	100

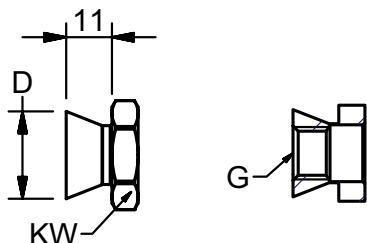


SAFETY NUTS

High Polished Stainless Steel - AISI 316

The security lock nut is a safe and reliable method to secure valuable equipment. The hexagonal part breaks away when fastening, and leaves the smooth rounded nut securely in place.

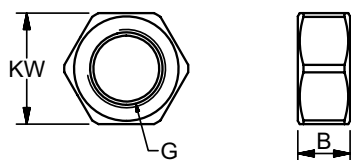
ART. NO.	THREAD G	L	D	KW	KG/100	PACK	BREAK NUT
044310	M10	9,0	17,0	17,0	1,3	BULK	50Nm
044312	M12	10,5	20,0	22,0	2,3	BULK	50Nm



LOCK NUTS METRIC

High Polished Stainless Steel - AISI 316

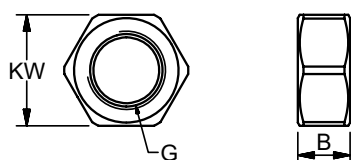
ART. NO. RIGHT	ART. NO. LEFT	THREAD G	KW	B	KG/100	PACK
041205	051205	M5	8	4,0	0,10	BULK
041206	051206	M6	8	4,0	0,10	BULK
041208	051208	M8	10	5,0	0,15	BULK
041210	051210	M10	13	6,5	0,25	BULK
041212	051212	M12	17	8,0	0,70	BULK
041214	51214	M14	19	9,5	1,30	BULK
041216	051216	M16	22	11,0	2,00	BULK
041220	051220	M20	24	13,0	2,25	BULK
041222	051222	M22	30	16,5	3,50	BULK
041224	051224	M24	36	17,5	8,80	BULK
041227	051227	M27	41	22,0	16,00	BULK
041230	051230	M30	46	24,0	17,00	BULK
041230	051230	M30	46	24,0	17,00	BULK
041236	051236	M36	55	29,0	39,00	BULK



LOCK NUTS UNF

High Polished Stainless Steel - AISI 316

ART. NO. RIGHT	ART. NO. LEFT	THREAD G	KW	B	KG/100	PACK
041206A	051206A	1/4"	8	4,0	0,10	BULK
041208A	051208A	5/16"	10	5,0	0,15	BULK
041210A	051210A	3/8"	13	6,5	0,25	BULK
041211A	051211A	7/16"	14	8,4	0,70	BULK
041212A	051212A	1/2"	17	8,0	1,20	BULK
041216A	051216A	5/8"	22	11,0	2,00	BULK
041220A	051220A	3/4"	24	13,0	2,25	BULK
041222A	051222A	7/8"	30	16,5	3,50	BULK
041225A	051225A	1"	36	17,5	8,80	BULK
041227A	051227A	1-1/8"	41	22,0	16,00	BULK
041230A	051230A	1-1/4"	46	24,0	17,00	BULK
041236A	051236A	1-3/8"	55	29,0	39,00	BULK





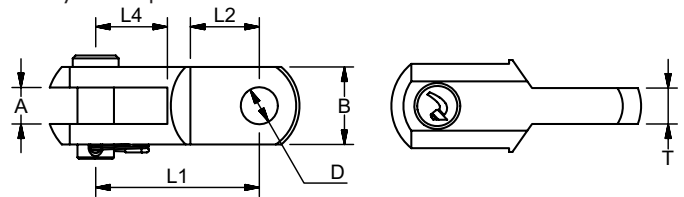
MARINE
RIGGING HARDWARE

TOGGLES MACHINED

High Polished Stainless Steel - AISI 316

ART. NO.	PIN SIZE	L1	L2	L4	D	A	B	T	BL	KG/100	PACK
140606M	6,35	28,0	11,0	13,0	6,6	6,35	12	5,5	1300	1,9	BULK
140808M	8,0	34,5	13,0	16,0	8,1	7,9	16	7,0	2600	4,3	BULK
140909M	9,5	41,5	17,0	19,0	9,7	9,5	19	9,0	3500	7,1	BULK
141111M	11,0	48,5	19,0	22,0	11,3	11,1	23	9,5	4100	12,8	BULK
141313M	12,7	57,0	24,0	25,0	12,9	12,7	27	12,5	6200	21,1	BULK
141616M	16,0	70,0	28,0	32,0	16,3	15,8	33	13,5	9800	35,2	BULK
141919M	19,0	89,0	39,0	38,0	19,3	19,0	42	18,0	13000	74,7	BULK
142222M	22,0	99,0	41,0	44,0	22,5	22,2	48	21,0	17000	108,2	BULK
142525M	25,4	112,0	44,0	51,0	25,8	25,4	53	24,0	24000	157,0	BULK

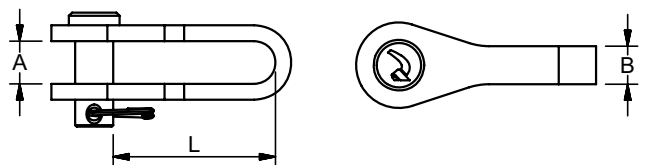
Note: All breakloads are determined by clevis pin.



TOGGLES STANDARD

High Polished Stainless Steel - AISI 316

ART.NO.	PIN SIZE	L	A	B	BL	KG/100	PACK
140006	6	25	7,5	7	1800	2,3	10
140008	8	30	8,5	7,7	3600	4	10
140010	9,5	40	10,5	10,2	4000	5,9	10
140011	11	45	11,5	10,5	4800	8,5	10
140012	12	50	13,5	12	5800	12,4	10
140016	16	55	17	15	8000	22,5	10
140019	19	60	21	18	13000	40,7	10
140022	22	100	25	25	17000	80,9	10



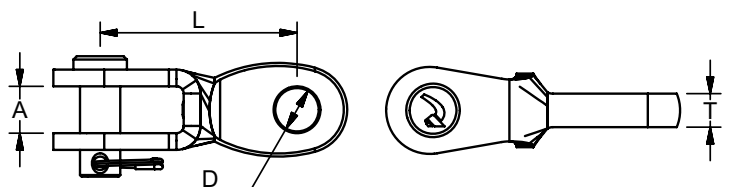
TOGGLES WITH EYE

High Polished Stainless Steel - AISI 316

ART. NO.	PIN SIZE	D	A	T	L	BL	KG/100	PACK
140506	5,0	5,5	7,5	5	26	1300 KG	1,8	25
140608	6,0	6,5	9,5	6	32	1800 KG	3,0	10
140810	8,0	8,5	11,0	8	36	3200 KG	5,5	10
141011	9,5	10,0	12,5	9	45	3500 KG	7,2	10
141111	11,0	11,5	12,0	9	51	5200 KG	12,1	10
141214	12,0	13	14,0	10	59	5900 KG	14,5	10
141616	14,0	14,5	22,0	14	78	7500 KG	28,0	10

Note: All breakloads are determined by clevis pin.

The user is responsible for choosing the proper cable diameter and for correct assembly.



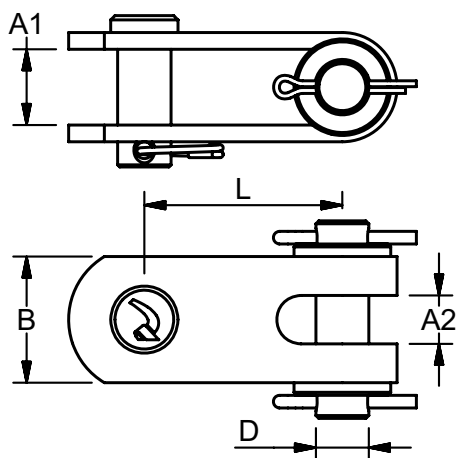


MARINE
RIGGING SYSTEM

TOGGLES DOUBLE JAW
High Polished Stainless Steel - AISI 316

ART. NO.	PIN SIZE	D	L	A1	A2	B	KG/100	BL	PACK
250008	8,0	8,0	30,0	10,0	5,2	18,0	6,0	2350 KG	BULK
250010	9,5	9,5	38,0	12,0	6,2	22,0	11,9	3500 KG	BULK
250011	11,0	11,0	42,0	15,0	9,2	30,0	18,0	4100 KG	BULK
250012	12,7	12,6	47,5	18,0	11,2	30,0	24,0	6200 KG	BULK
250016	16,0	16,0	57,0	20,0	13,5	35,0	41,0	9800 KG	BULK
250019	19,0	19,0	63,0	24,0	17,5	40,0	70,0	13000 KG	BULK
250022	22,0	22,0	72,0	26,0	19,0	50,0	87,0	17000 KG	BULK
220025	25,4	25,0	82,0	29,0	22,0	60,0	107,0	24000 KG	BULK
250028	28,0	28,0	97,0	34,0	28,0	60,0	234,0	25500 KG	BULK
250032	32,0	32,0	105,0	40,0	34,0	75,0	340,0	31000 KG	BULK
250035	35,0	35,0	118,0	44,0	34,0	75,0	470,0	43000 KG	BULK

The user is responsible for choosing the proper cable diameter and for correct assembly.



“Zipper” one – off 1/4-Tonner

The British based “Zipper” was designed and built back in 1975, by designer David Thomas in an Epoxy Ply construction. The small racing boat was designed as a one - off 1/4-Tonner.

The “Zipper” was completely re-fitted, with 5mm Dyform Rigging onto Blue Wave MRT Racing Rigging Screws, Dyneema halyards, Wichard Blocks, and a Tuff Luff Head foil.

2008 Scoreboard:
Burnham Week Regatta:
Premium Lifafts Bell (Top Yacht in all Classes for the Week)
1st in Class for Midweek Series
1st in Class for ALL Week
1st in Class Last Saturday Cup (European Ferries Cup)

Main “Sail East “ Regattas:
2nd Overall and Class in Crouch sail East
2nd in class in Medway Regatta
2nd in Class overall Sail East out of 16 boats
9th Overall in Sail East out of 100 + boats

In 2006 it placed 6th Overall in the famous Round the Island Race out of 1300+ Boats. In the same week it placed 9th overall in the World ¼-Ton championship out of 22 boats. Beating boats costing 10 times as much, and much newer.





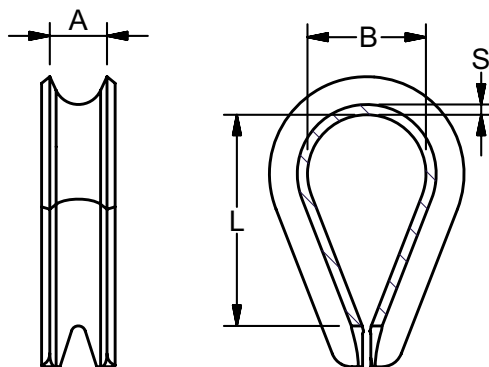
MARINE
RIGGING HARDWARE

THIMBLES

High Polished Stainless Steel - AISI 316

The Blue Wave thimbles are generally considered the best quality and value for the money on the market.

ART. NO	A	B	L	S	KG/100	PACK
110002	3	9,0	17	1,0	0,2	100
110003	4	10,0	18	1,0	0,3	100
110004	5	11,0	20	1,2	0,5	100
110005	6	13,0	21	1,2	0,7	100
110006	7	15,0	27	1,5	1,2	100
110007	8	19,0	33	1,5	1,5	100
110008	9	22,0	38	2,0	2,7	50
110009	10	24,0	41	2,0	2,9	50
110010	11	27,0	48	2,5	5,2	BULK
110012	14	29,0	53	2,5	5,5	BULK
110014	16	32,0	57	3,0	11,0	BULK
110016	18	40,0	67	3,0	12,0	BULK
110018	20	45,0	75	4,0	21,5	BULK
110020	22	52,0	84	4,0	32,0	BULK
110022	24	56,0	96	5,0	47,0	BULK
110026	28	65,0	115	6,0	80,0	BULK
110028	30	76,0	135	6,0	110,0	BULK
110032	34	88,0	160	6,0	156,0	BULK
110034	36	100,0	160	6,0	176,0	BULK
110036	38	110,0	176	6,0	192,0	BULK
110038	40	115,0	184	8,0	292,0	BULK
110040	42	120,0	192	8,0	320,0	BULK
110042	45	150,0	240	8,0	364,0	BULK



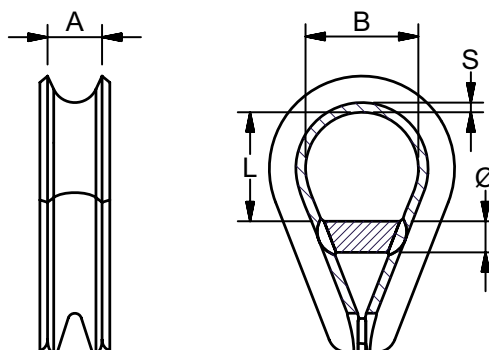
THIMBLES - Welded

High Polished Stainless Steel - AISI 316

The reinforced thimble is based on the standard thimble but extra force is attained by the addition of a welded bar, as well as the ends of the thimbles being welded together.

ART. NO.	A	B	L	Ø	S	KG/100	PACK
119909	10	24,0	24,0	6	2	3,2	25,0
119910	11	27,0	27,0	8	3	5,9	25,0
119912	14	29,0	29,0	8	3	6,3	25,0
119914	16	32,0	32,0	10	3	12,3	10,0
119916	18	40,0	40,0	10	3	13,6	10,0
119918	20	45,0	45,0	12	4	24,0	10,0
119920	22	50,0	50,0	12	4	34,8	10,0
119922	24	56,0	56,0	16	5	51,8	BULK
119926	28	60,0	60,0	16	6	85,6	BULK

Larger sizes on request

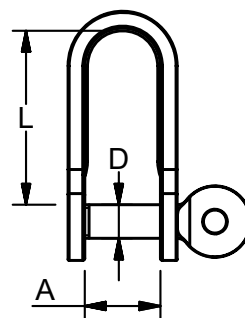


SHACKLES

High Polished Stainless Steel - AISI 304

ART. NO.	D	A	L	BL	KG/100	PACK
150041	M4	10	15	500 KG	0,5	100
150051	M5	12	17	1000 KG	1,6	100
150052	M5	16	24	1000 KG	1,6	100
150053	M5	16	36	1100 KG	1,8	100
155251	M5	13,5	25	1100 KG	1,5	100
155206	M6	16	23	1400 KG	1,6	50
150062	M6	14	40	2000 KG	2,9	50
150082	M8	18	42	3000 KG	5,0	50

Note: All breakloads are determined by pin and thread.

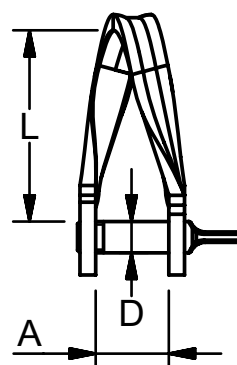


TWISTED SHACKLES

High Polished Stainless Steel - AISI 304

ART. NO	D	A	L	BL	KG/100	PACK
170005	M5	12	22	1200 KG	1,5	100
170053	M5	12	33	1200 KG	1,7	100
170006	M6	14	36	2000 KG	2,9	25
170008	M8	18	36	3000 KG	5,0	25

Note: All breakloads are determined by pin and thread.



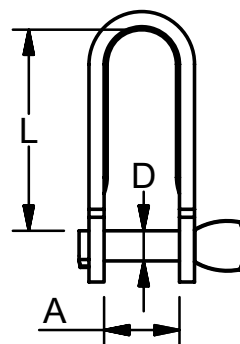
KEYPIN SHACKLES

High Polished Stainless Steel - AISI 304

Twisted and Key Pin

ART. NO.	D	A	L	BL	KG/100	PACK
180005	5	15	36	1000 KG	1,8	100
185205	5	13	26	1000 KG	1,5	100
180006	6	15	40	1650 KG	2,9	25
180008	8	20	41	2750 KG	5,0	25

Note: All breakloads are determined by pin.



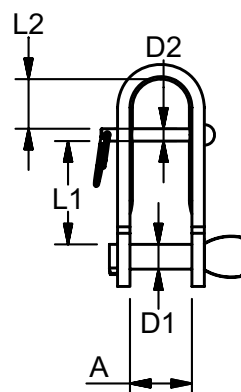
HALYARD SHACKLES

High Polished Stainless Steel - AISI 304

Twisted and Key Pin

ART. NO.	D1	D2	A	L1	L2	BL	KG/100	PACK
180352	5	3,0	12	14	9	700 KG	1,6	25
180305	5	3,0	15	21	12	700 KG	1,9	25
180306	6	3,0	14	25	12	1500 KG	3,0	25
180308	8	3,0	20	26	12	2000 KG	5,1	25

Note: All breakloads are determined by pin.





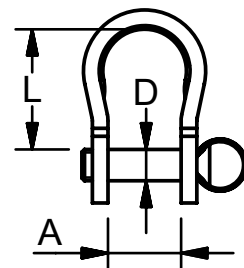
MARINE
RIGGING HARDWARE

BOW SHACKLES

High Polished Stainless Steel - AISI 304

ART. NO.	D	A	L	BL	KG/100	PACK
150061	M6	14	23	2000 KG	2,5	50
150081	M8	17	31	3000 KG	4,5	50
150010	M10	21	40	4800 KG	8,5	25
150012	M12	25	50	7000 KG	16,0	25

Note: All breakloads are determined by pin and thread.

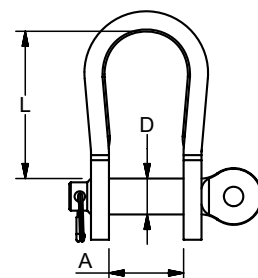


G-RING SHACKLES

High Polished Stainless Steel - AISI 304

ART. NO.	D	A	L	BL	KG/100	PACK
151010	M10	21	40	4800 KG	9,0	25
151212	M12	25	50	7000 KG	16,5	25

Note: All breakloads are determined by pin and thread.

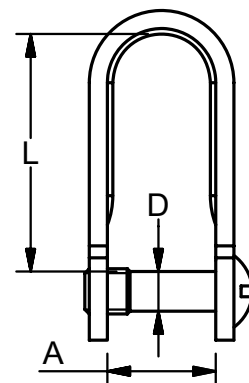


SAILMAKERS D-SHACKLES

High Polished Stainless Steel - AISI 304

ART. NO.	D	A	L	BL	KG/100	PACK
160041	M4	10	15	500 KG	0,5	100
160051	M5	12	17	1000 KG	1,0	100
160052	M5	16	24	1000 KG	1,6	100
160053	M5	16	36	1100 KG	1,8	100
165251	M5	13,5	25	1100 KG	1,5	100
165206	M6	16	23	1400 KG	1,6	50

Note: All breakloads are determined by pin and thread.

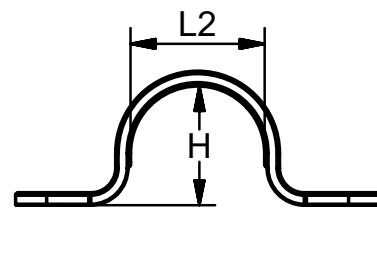
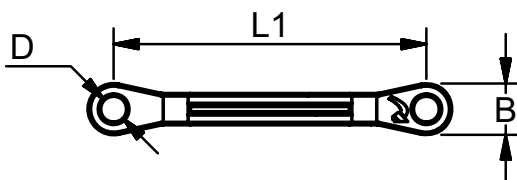


EYE STRAPS

High Polished Stainless Steel - AISI 304

Eye straps are used for various attachments and fixing points. Place it over two pre-drilled holes and if possible use a pop rivet for easy attachment

ART. NO.	D	B	L1	L2	H	KG/100	PACK
150401	4,2	9	28	11	12,0	0,3	100,00
155102	5,0	11	34	15	14,0	0,5	100,00
155203	5,3	12	44	20	19,0	1,0	100,00
155304	5,3	10	63	28	28,0	1,2	50,00
156205	6,4	14	67	32	33,0	2,0	50,00



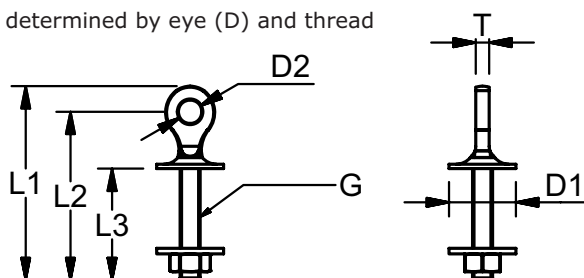


EYE BOLTS FORGED

High Polished Stainless Steel - AISI 304

ART. NO.	THREAD G	L1	L2	L3	D1	D2	T	BL	KG/100	PACK
310630	M6	53	46	30	25,0	6,5	4,0	1300 KG	1,3	10
310660	M6	83	76	60	25,0	6,5	4,0	1300 KG	2,1	10
310835	M8	65	58	35	25,0	8,5	5,0	2400 KG	3,3	10
310880	M8	110	104	80	25,0	8,5	5,0	2400 KG	5,0	10
311050	M10	87	75	50	30,0	10,5	6,0	3500 KG	8,2	10
311000	M10	137	125	100	30,0	10,5	6,0	3500 KG	11,0	10

Note: All breakloads are determined by eye (D) and thread

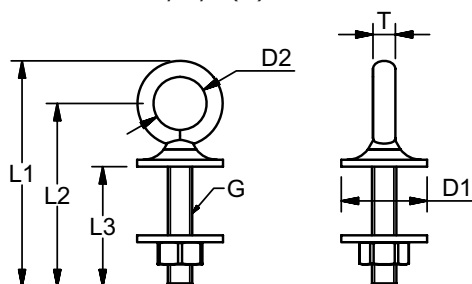


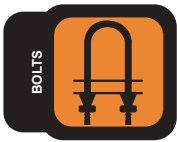
EYE BOLTS WELDED

High Polished Stainless Steel - AISI 304

ART. NO.	THREAD G	L1	L2	L3	D1	D2	T	BL	KG/100	PACK
370630	M6	57	46	30	25	13	5,0	1300	1,8	10
370640	M6	66	56	40	25	13	5,0	1300	2,8	10
370650	M6	76	62	50	25	13	5,0	1300	3,0	10
370660	M6	87	76	60	25	13	5,0	1300	2,6	10
370600	M6	126	115	100	25	13	5,0	1300	3,7	10
370835	M8	66	53	35	25	15	6,0	2400	3,8	10
370850	M8	80	68	50	25	15	6,0	2400	4,9	10
370880	M8	110	98	80	25	15	6,0	2400	5,5	10
370800	M8	130	118	100	25	15	6,0	2400	6,5	10
371050	M10	85	70	50	30	16	7,0	3500	8,7	10
371000	M10	135	120	100	30	16	7,0	3500	11,0	10
371250	M12	90	74	50	30	18	6,0	4500	10,2	10
371210	M12	140	124	100	30	18	9,0	4500	15,0	10
371216	M12	200	184	160	30	18	9,0	4500	19,0	10

Note: All breakloads are determined by eye (D) and thread





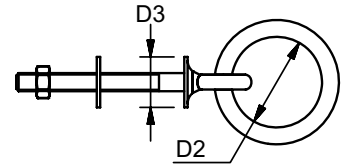
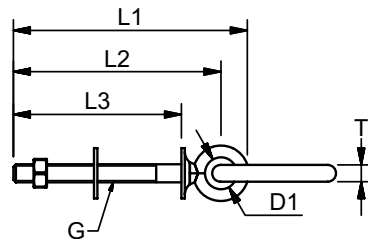
MARINE
RIGGING HARDWARE

EYE BOLTS WITH RING

High Polished Stainless Steel - AISI 304

ART. NO.	THREAD G	L1	L2	L3	D1	D2	D3	T	BL	KG/100	PACK
380630	M6	57	46	30	13	30	25	5	950 KG	4,4	10
380660	M6	87	76	60	13	30	25	5	950 KG	4,9	10
380835	M8	66	53	35	15	40	25	6	1500 KG	7,3	10
380880	M8	111	98	80	15	40	25	6	1500 KG	8,8	10
381050	M10	85	70	50	16	45	30	7	2200 KG	13,6	10
381000	M10	135	120	100	16	45	30	7	2200 KG	16,3	10
381210	M12	140	124	100	18	50	30	10	3300 KG	28,2	10
381216	M12	200	184	160	18	50	30	10	3300 KG	32,1	10

Note: All breakloads are determined by ring (D2).

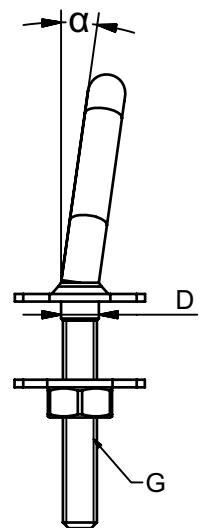
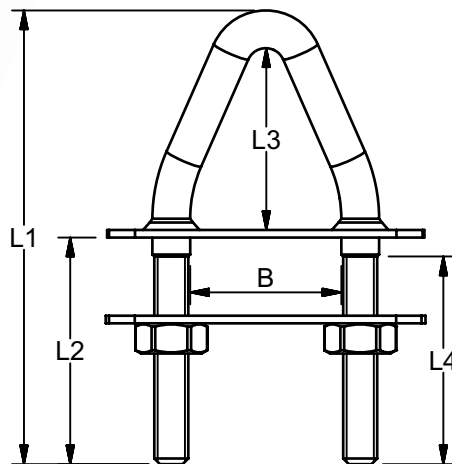


"V" BOLTS

High Polished Stainless Steel - AISI 316

ART. NO.	THREAD G	L1	L2	L3	L4	α	B	D	BL	KG/100	PACK
408500	M8	100	50	40	45	0	33	8,0	3500 KG	12,5	5
408508	M8	100	50	40	45	8	33	8,0	3500 KG	12,5	5
408518	M8	100	50	40	45	18	33	8,0	3500 KG	12,5	5
410600	M10	120	60	48	55	0	40	10,0	5100 KG	15,0	5
410608	M10	120	60	48	55	8	40	10,0	5100 KG	15,0	5
410618	M10	120	60	48	55	18	40	10,0	5100 KG	15,0	5

Note: All breakloads are determined by thread.



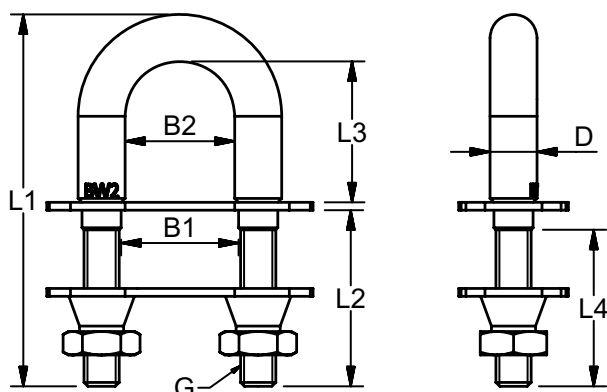
ANTITHEFT "U" BOLTS

High Polished and Hard Chrome Plated Stainless Steel - AISI 316/ 1.4401

Blue Waves class 3 antitheft U-bolt is the most sold of its kind on the European market because of the high quality and resistance against cut through as well as corrosion

ART. NO.	THREAD G	D	L1	L2	L3	L4	B1	B2	BL	KG/100	PACK	BREAK NUT
Class 3 certified												
431265	M12	14	122	65	41	48	34,5	32,5	5100 KG	31	1	50 Nm
Class 2 certified												
431045	M10	12	95	45	38	40	30,0	28,0	3500 KG	22	1	50 Nm

Note: All breakloads are determined by thread.

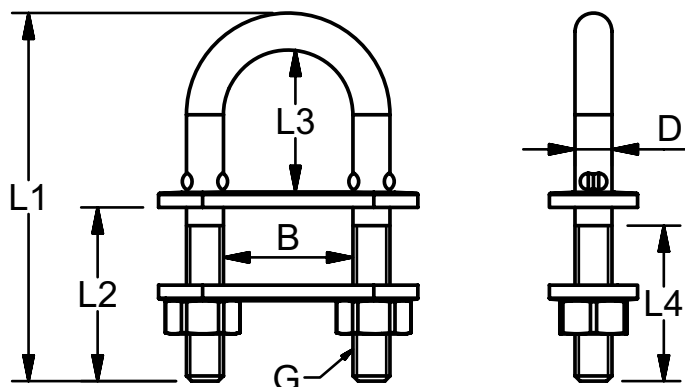


"U" BOLTS

High Polished Stainless Steel - AISI 316

ART. NO.	G	L1	L2	L3	L4	B	D	BREAK LOAD	KG/100	PACK	PCS
340435	M4	66	35	25	30	26	4,0	750 KG	2,1	25	
340535	M5	67	35	25	30	25	4,4	900 KG	2,6	25	
340635	M6	67	35	26	30	27	5,3	1250 KG	4,5	5	
340650	M6	84	50	26	30	27	5,3	1250 KG	5,7	5	
340835	M8	71	35	26	30	25	7,1	1750 KG	7,2	5	
340850	M8	86	50	26	30	25	7,1	1750 KG	9,7	5	
340880	M8	116	80	26	45	25	7,1	1750 KG	11,8	5	
348840	M8	80	40	30	32	42	8,0	1750 KG	12,4	5	
348850	M8	90	50	30	32	42	8,0	1750 KG	13,2	5	
341045	M10	95	45	40	40	30	10,0	3500 KG	18,4	5	
341060	M10	110	60	40	35	30	10,0	3500 KG	20,4	5	
341010	M10	150	100	40	85	30	10,0	3500 KG	25,0	5	
341280	M12	122	80	30	85	35	10,8	5100 KG	29,0	5	

Note: All breaksloads are determined by thread.





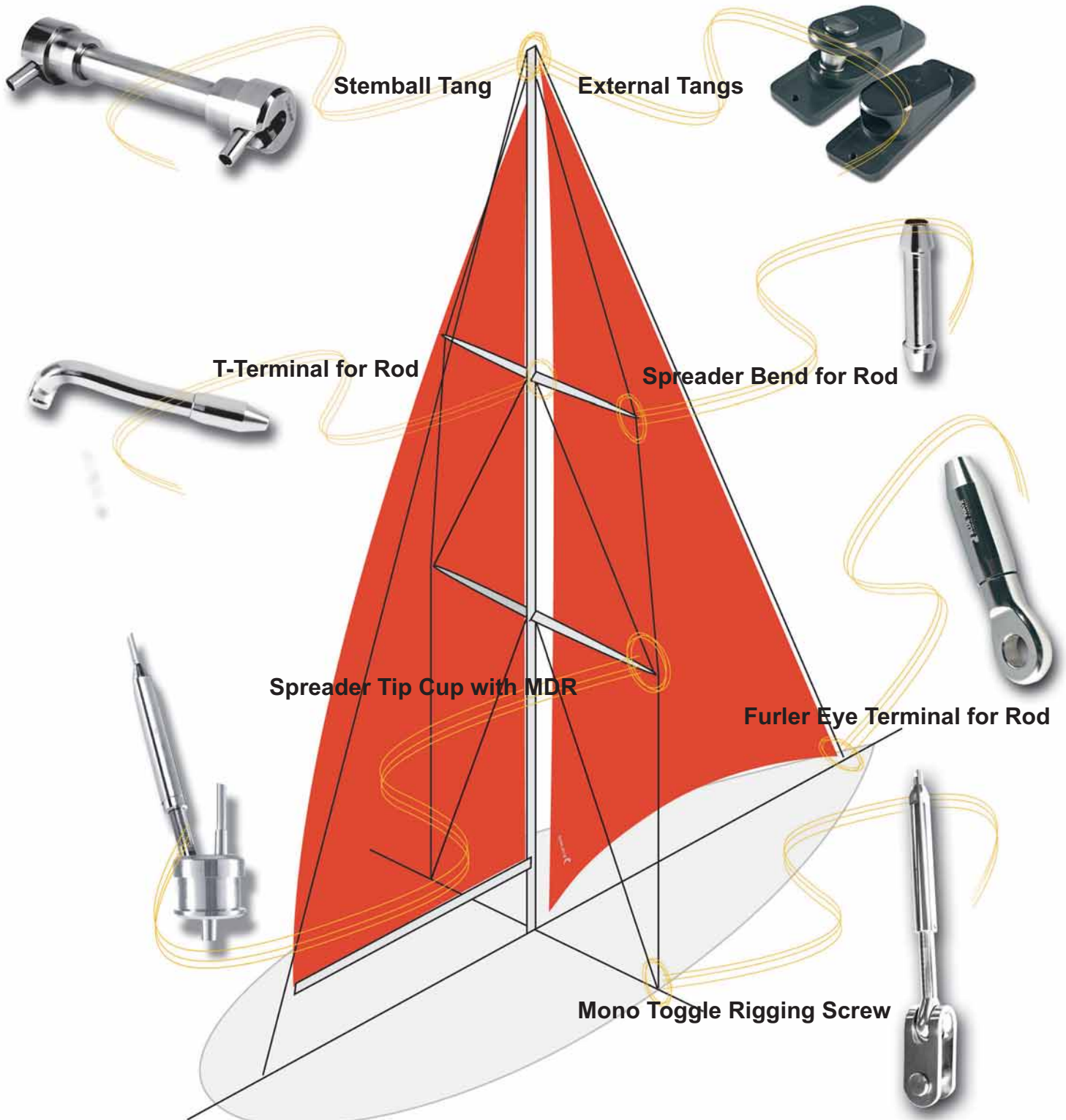
MARINE
RIGGING HARDWARE

Rod and Rod Rigging Systems

Below is a summary of our rod range and some of its common rig combinations. Ranging from DASH 1 to DASH 60 with treads, from 1/4" to 1 3/8".

All parts are made of stainless acid proof steel and are tested to the recommended break loads. We recommend a calculated working load of no more than 20% of the break load.

NOTE: For your guarantee, and to avoid improper use of our fittings, it is essential that only dies supplied by Blue Wave are used for the cold head pressing.





Rod Pressing Machine

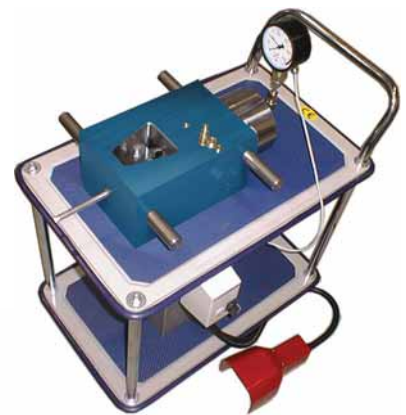
The Principals.

The double acting cylinder applies pressure to two tapered dies through a regulated pressure pipe. The outer piston applies pressure to the tapered dies and locks the rod.

Through the centre piston, pressure up till 260T, is applied to the end of the rod and forms the "head".

The press can be delivered with 3 different hydraulic units.

- Option 1. The HAGG PA 9 is an air hydraulic pump powered by an air compressor. Time for a press cycle is approximately 30 to 50 seconds, depending on rod size.
- Option 2. The HAGG PHS 36 is a two stage hand operated pump, one stage for low pressure and one for high pressure. It takes approximately 5 strokes in low pressure mode, and 50 strokes in high pressure mode to achieve a press cycle
- Option 3. The HAGG HC44/1,5 is a compact hydraulic pump that runs on high voltage electricity, 400V, 50 Hz.
The compact hydraulic pumps is fitted with a manometer which automatically switches of the the pump when the desired hydraulic pressure level is reached.
Time for a press cycle is approximately 15 seconds.



For further information on the Blue Wave Rod Press and dies, please contact Blue Wave A/S .

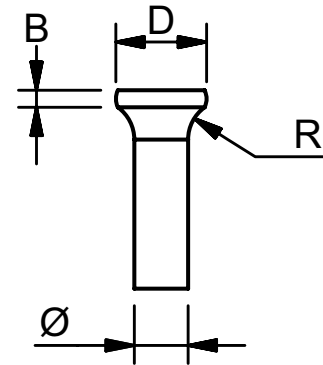
ROD Press Machines

ROD Press Machines range

MACHINES	RPT60	RPT260
Max Press capacity (tons) / Rod size (mm) / Dash	60 / 12,7 / - 40	260 / 1" / - 150
Dimensions LxWxH (mm)	200x395x170	660x360x360
Weig ht approx. Depending on pump	100	700
		Inclusive Hydraulic pump
PUMPS		
All pumps are delivered with a quick connector , so it can power other hydraulic operated equipment as Talurit press, Wire Teknik rollerpress, ect.		
RPLFPA9 Air hydraulic pump Needs compressed air	✓	N.A.
RPHP36 2 stage, hand operated hydraulic pump	✓	N.A.
RPHC2215 Compact hydraulic pump single phase, 230V, 50Hz	✓	N.A.
RPCH4815 Hydraulic pump 3 phase, 400V, 50Hz, 3Kw	N.A.	✓
RPV500 Work & transport car	On Request	On Request
DIES		
Ranging from 3,0 mm up to 1" rod	min. 5 sets	min. 5 sets
CONDITIONS		
Downpayment 30%		
Delivery: 3 to 4 months depending on the choice of Rod Machine		



MARINE
RIGGING HARDWARE



Mechanical properties for SAF 2205 & SANRIG 80 are shown in the following table.

Type	Diameter mm	Dash	Tolerance (+/- mm)	Breaking load KN	Weight kg/m	Stretch mm/10m
SAF 2205	3	1	0,04	10	0,056	18
	4	3	0,04	17	0,099	18
	4,4	4	0,04	20	0,120	18
	5	6	0,04	28	0,154	18
	5,7	8	0,04	37	0,200	18
	6	9	0,04	40	0,222	18
	6,4	10	0,04	46	0,025	18
	7,0/7,1	12	0,10	56	0,308	18
	7,5	15	0,10	62	0,347	17
	8	16	0,10	70	0,395	17
SANRIG 80	8,4/8,5	17	0,10	76	0,440	17
	9,5	22	0,10	100	0,557	17
	11,1	30	0,10	133	0,760	17
	12,7	40	0,10	160	0,995	16
	14,3	48	-	205	1,250	16
	16,8	60	-	280	1,740	16

ROD Ø	DASH	R	D	B
3,0	1,0	3,0	5,6	1,0
4,0	3,0	3,0	6,2	1,0
4,4	4,0	3,0	7,0	2,0
5,0	6,0	3,0	8,0	2,0
5,7	8,0	3,5	9,0	2,0
6,0	9,0	4,0	9,5	2,0
6,4	10,0	5,0	10,0	2,0
7,1	12,0	5,5	11,0	2,0
7,5	15,0	5,5	12,0	3,0
8,0	16,0	6,0	13,0	3,0
8,4	17,0	6,0	13,5	3,0
9,5	22,0	7,0	16,0	3,0
11,1	30,0	9,0	18,0	4,0
12,7	40,0	10,0	21,0	4,0
14,3	48,0	12,0	23,0	5,0
16,8	60,0	15,0	26,0	5,0

Modulus of elasticity

SAF 2205: 200-205 kN / mm² - SANRIG 80: 185000 Mpa - Stretch in mm per 10m with load of 25% of min. Breaking strength

The Knarr

The Knarr was designed by Erling L. Kristofersen in Norway in 1943. Over the next 25 years approx. 150 Knarrs were launched in Norway, and she became the most popular boat of her size. In 1954 she was approved as a national one-design class in Denmark. Today the Knarr fleet numbers approx. 120 boats in Norway, approx. 50 in the USA, and well over 120 in Denmark.

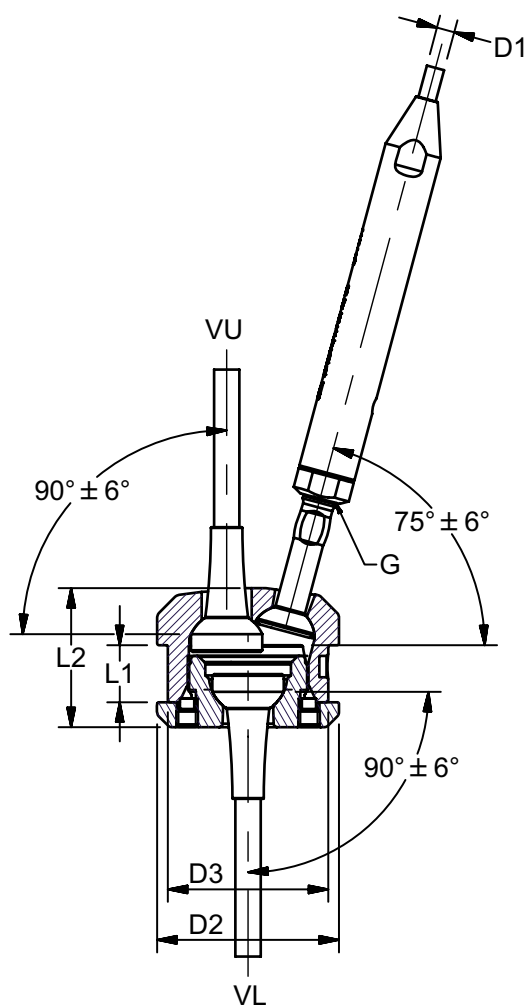
In 2007 the Knarr class association decided to allow the replacement of the traditional wooden mast and boom, with a modern aluminum mast and rig. The task of replacing the wooden masts was granted to Mast building company Hansen & Hamacher. The new rigs were offered with the choice of the best from Blue Waves racing shelves. The QTR handle equipped racing turnbuckle. The MTR calibrated turnbuckle, and the classic open bodied aluminum turnbuckles.



SPREADER TIPCUP

High Polished acid proof Stainless Steel

The stemball spreader tipcup is the ideal solution for the demanding boat owner with its exclusive looks and design.



ART. NO. COMPLETE	ART. NO. ONLY TIPCUP	VL	VU	D1	THREAD G	D2	D3	L1	L2	ANGLE	KG/100	PACK
ST716405	SC6438071	7,1	6,4	5,0	3/8"	48	42	23	42	± 6°		BULK
ST7171105	SC7138071	7,1	7,1	5,0	3/8"	48	42	23	42	± 6°		BULK
ST757164	SC7112075	7,5	7,1	6,4	1/2"	64	56	28	54	± 6°		BULK
ST577571	SC7512075	7,5	7,5	7,1	1/2"	64	56	28	54	± 6°		BULK
ST847564	SC7512084	8,4	7,5	6,4	1/2"	64	56	28	54	± 6°		BULK
ST848471	SC8412084	8,4	8,4	7,1	1/2"	64	56	28	54	± 6°		BULK
ST958464	SC8412095	9,5	8,4	6,4	1/2"	64	56	28	54	± 6°		BULK
ST959571	SC9512095	9,5	9,5	7,1	1/2"	64	56	28	54	± 6°		BULK
ST119571	SC9512111	11,1	9,5	7,1	1/2"	70	60	30	58	± 6°		BULK
ST119584	SC9558111	11,1	9,5	8,4	5/8"	70	60	30	58	± 6°		BULK
ST121171	SC1112127	12,7	11,1	7,1	1/2"	75	65	35	66	± 6°		BULK
ST121184	SC1158127	12,7	11,1	8,4	5/8"	75	65	35	66	± 6°		BULK
ST141184	SC1158143	14,3	11,1	8,4	5/8"	80	74	35	68	± 6°	253,8	BULK
ST141295	SC1234143	14,3	12,7	9,5	3/4"	80	74	35	68	± 6°		BULK
ST61495	SC1434168	16,8	14,3	9,5	3/4"	90	78	40	83	± 6°	388,2	BULK
ST161411	SC1478168	16,8	14,3	11,1	7/8"	90	78	40	83	± 6°		BULK

Note: Rod various length are available on request.

The user is responsible for choosing the proper rod diameter, and for correct assembly.

D3: Tolerance +0/-0,2



MARINE
RIGGING HARDWARE

STEMBALL TANG

High Polished acid proof Stainless Steel

The stemball tang is delivered complete with two tangs, connector rod and two stemballs.

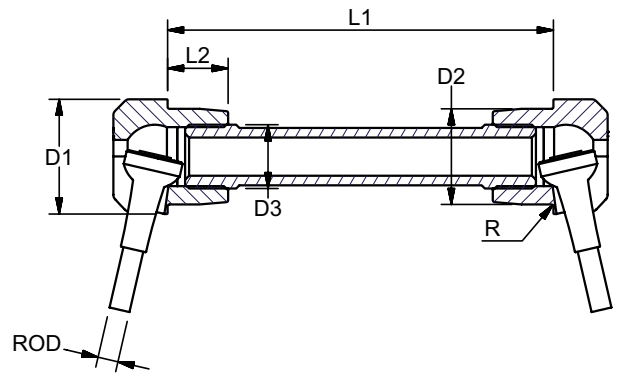
ART. NO.	ROD MM	DASH	D1	D2	D3	L1	L2	R1	BL	PACK
ST000004	4,0	3	33	*27	16	**	17,5	0,3	1700	BULK
ST000044	4,4	4	33	*27	16	**	17,5	0,3	2000	BULK
ST000005	5,0	6	33	*27	16	**	17,5	0,3	2800	BULK
ST000057	5,7	8	36	*30	20	**	19,0	0,3	3700	BULK
ST000006	6,0	9	36	*30	20	**	19,0	0,3	4000	BULK
ST000064	6,4	10	36	*30	20	**	19,0	0,3	4600	BULK
ST000071	7,1	12	38	*32	22	**	21,5	0,3	5600	BULK
ST000075	7,5	15	38	*32	22	**	21,5	0,3	6200	BULK
ST000008	8,0	16	45	*36	26	**	25,0	0,3	7000	BULK
ST000084	8,4	17	45	*36	26	**	25,0	0,3	7600	BULK
ST000095	9,5	22	48	*38	30	**	27,5	0,3	10000	BULK
ST000111	11,1	30	58	*48	33	**	29,0	0,3	13500	BULK
ST000127	12,7	40	62	*50	38	**	30,0	0,6	16500	BULK
ST000143	14,3	48	70	*55	40	**	30,5	0,6	20500	BULK
ST000168	16,8	60	80	*65	46	**	35,0	0,6	28500	BULK

The user is responsible for choosing the proper rod diameter and for correct assembly

Note: Breakloads are according to rod size (SAF 2205). D2: Tolerance +0/-0,1.

(D2) * Without sleeve for carbon masts.

** Mast size

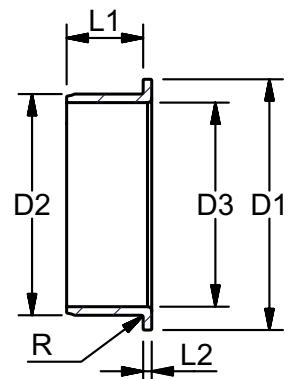


SLEEVE FOR CARBON MASTS

High Polished Stainless Steel - AISI 316

ART. NO.	D1	D2	D3	L1	L2	R	KG/100	PACK PCS
BC000005	34	30	27	8,5	1,5	0,3	1,3	BULK
BC000064	37	33	30	8,5	1,5	0,3	1,4	BULK
BC000075	39	35	32	10,5	1,5	0,3	1,7	BULK
BC000084	46	40	36	15,0	2,0	0,5	3,8	BULK
BC000095	49	43	38	15,0	2,0	0,5	4,1	BULK
BC000111	59	52	48	18,0	2,0	0,5	5,9	BULK
BC000127	63	54	50	23,0	2,0	0,5	7,7	BULK
BC000143	71	59	55	23,0	2,0	0,5	9,0	BULK
BC000168	81	69	65	23,0	2,0	0,5	10,5	BULK

D2: Tolerance +0/-0,1



EXTERNAL STEMBALL TANG

Anodized aluminium

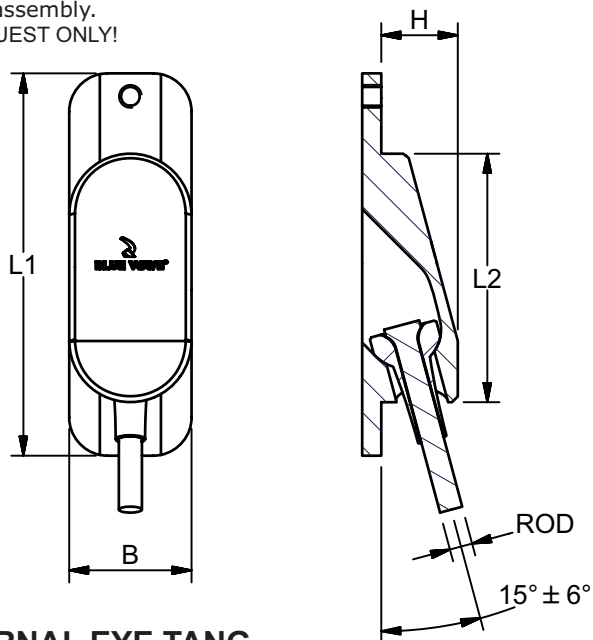
External stemball tang made of anodized aluminum to achieve best performance in saline and stressful environments.

ART. NO.	ROD	L1	L2	B	H	BL	KG/100
BS0405	4,0-5,0	90	58	32	17	2850 KG	6,6
BS5764	5,7-6,4	100	65	36	20	4600 KG	9,2
BS7175	7,1-7,5	115	76	42	22	6300 KG	13,2
BS8084	8,0-8,4	140	90	50	24	7700 KG	21,1
BS0095	9,5	150	98	54	30	10000 KG	31,5
BS0111	11,1	160	104	58	35	13500 KG	41,3

Note: Break loads are determined by rod (SAF 2205)

The user is responsible for choosing the proper rod diameter and for correct assembly.

ON REQUEST ONLY!



EXTERNAL EYE TANG

Anodized aluminium

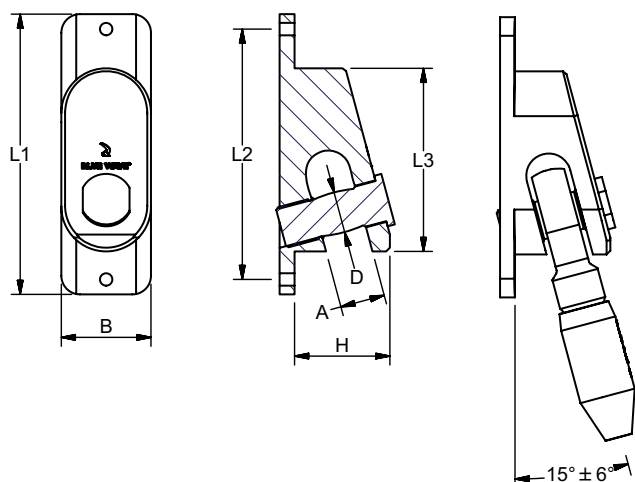
External eye tang made of anodized aluminum to achieve best performance in saline and stressful environments. Can be used with rod and wire eye terminals.

ART.NO.	ROD	L1	L2	L3	A	B	D	H	BL	KG/100
BE1111KB	5,0-5,7	90	78	58	11,0	32	11,1	23	4700 KG	10,7
BE1313KB	5,7-7,1	100	88	65	13,5	36	12,7	27	5400 KG	13,4
BE1616KB	7,1-8,4	115	103	76	16,0	42	16,0	32	8000 KG	21,8
BE1921KB	8,4-9,5	140	124	90	21,0	50	18,8	41	13000 KG	39,9
BE2324KB	11,1	150	134	98	24,0	54	22,0	47	17000 KG	57,8

Note: Break loads are determined by rod (SAF 2205)

The user is responsible for choosing the proper rod diameter and for correct assembly.

ON REQUEST ONLY!





MARINE
RIGGING HARDWARE

CT TOGGLE RIGGING SCREW

High Polished AISI 316 Stainless Steel & Chrome Bronze

Toggle/Rod

A highly sophisticated rigging screw, from the Blue Wave racing line.

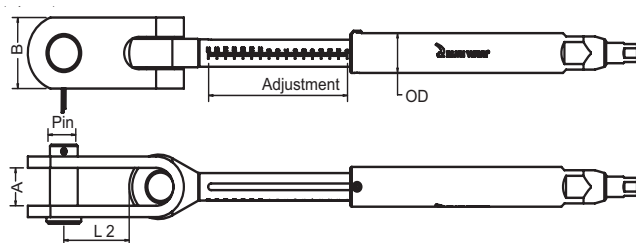
NEWS

ART. NO.	ROD	DASH	ADJUSTMENT	OD	PIN	A	L2	B
CT058084	8,4	17	80	22	15,9	20	40,0	35
CT034095	9,5	22	100	26,0	19,1	24	42,0	40
CT078111	11,1	30	110	30	22,2	26	46,0	50
CT001127	12,7	40	130	34,0	25,4	29	62,0	60
CT118143	14,3	48	140	38,0	28,6	34	66,0	60
CT114168	16,8	60	160	42,0	31,8	40	75,0	75
CTM38097	17,9	76	170	50,0	31,8	40	75,0	75
CTM42195	19,5	91	180	55,0	34,9	42	90,0	85
CTM46222	22,2	115	190	60,0	39,7	46	105,0	95
CTM52254	25,4	150	200	68,0	44,5	54	120,0	110

Without nose

The user is responsible for choosing the proper rod diameter and for correct assembly.

Note: Break loads are determined by rod (SAF 2205)



CT EYE RIGGING SCREW

High Polished AISI 316 Stainless Steel & Chrome Bronze

Eye/Rod

A highly sophisticated rigging screw, from the Blue Wave racing line.

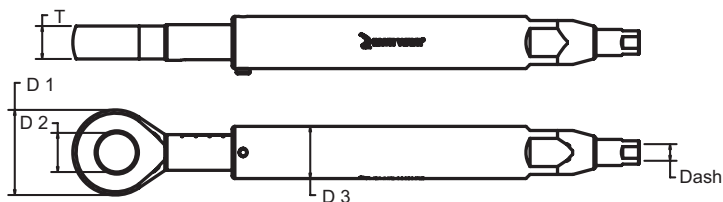
NEWS

ART. NO.	ROD	DASH	ADJUSTMENT	D1	D2	T	D3
CE058084	8,4	17	80	32	16,5	12	22
CE034095	9,5	22	100	41	19,5	16	26
CE078111	11	30	110	47	23	18	30
CE010127	12,7	40	130	51	26,5	20	34
CE118143	14,3	48	140	62	29,5	24	38
CE114168	16,8	60	160	68	33	30	42
CEM38079	17,9	76	170	68	33	30	50
CEM42095	19,5	91	180	72	36	34	55
CEM46222	22,2	115	190	80	41	38	60
CEM52254	25,4	150	200	88	46	44	68

Without nose

The user is responsible for choosing the proper rod diameter and for correct assembly.

Note: Break loads are determined by rod (SAF 2205)





MARINE
RIGGING SYSTEM

CT BALL RIGGING SCREW

High Polished AISI 316 Stainless Steel & Chrome Bronze

Ball/Rod

A highly sophisticated rigging screw, from the Blue Wave racing line.

ART. NO.	ROD	DASH	ADJUSTMENT	D1	R	D2	D3
CB058084	8,4	17	80	28	15	13,5	22
CB034095	9,5	22	100	31,5	17,5	16,5	26
CB078111	11,1	30	110	35,5	20	20	30
CB010127	12,7	40	130	38,5	22	23	34
CB118143	14,3	78	140	41,5	23	26	38
CB114168	16,8	60	160	46,5	25	29	42

NEWS

The user is responsible for choosing the proper rod diameter and for correct assembly.

Note: Break loads are determined by rod (SAF 2205)



MDR - MONO DIAGONAL RIGGING SCREW

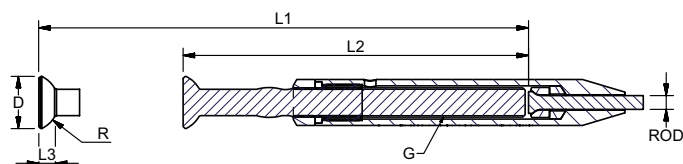
High Polished AISI 316 Stainless Steel

A sleek and elegant Diagonal Rigging Screw and a price favourable alternative to the Blue Wave racing line. It features a thread alu bronze insert, and an alu bronze cup, to prevent the threaded stemball and the rod end from seizing up.

ART. NO.	ROD	DASH	THREAD G	L1	L2	L3	D	R	BL	PACK
MD038050	5,0	6	3/8"	190,0	130,0	5,9	16,8	9,0	2850	BULK
MD716057	5,7	8	7/16"	205,0	140,0	7,2	19,8	11,0	3750	BULK
MD012060	6,0	9	1/2"	227,0	152,0	8,0	23,5	13,0	4000	BULK
MD012064	6,4	10	1/2"	227,0	152,0	8,0	23,5	13,0	4600	BULK
MD012071	7,1	12	1/2"	227,0	152,0	8,0	23,5	13,0	5700	BULK
MD058075	7,5	15	5/8"	277,0	187,0	9,5	27,8	15,0	6300	BULK
MD058080	8,0	16	5/8"	277,0	187,0	9,5	27,8	15,0	7100	BULK
MD058084	8,4	17	5/8"	277,0	187,0	9,5	27,8	15,0	7700	BULK
MD034095	9,5	22	3/4"	323,0	215,0	10,5	31,8	17,5	10000	BULK
MD078111	11,1	30	7/8"	379,0	249,0	11,0	35,9	20,0	13500	BULK
MD100127	12,7	40	1"	486,0	316,0	11,0	23,2	22,0	16500	BULK

The user is responsible for choosing the proper rod diameter and for correct assembly.

Note: Break loads are determined by rod (SAF 2205).





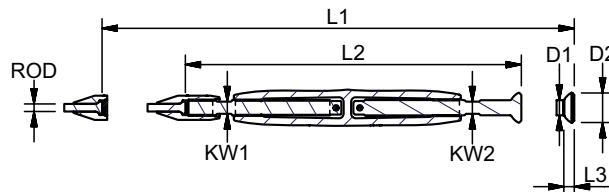
MARINE
RIGGING HARDWARE

BALL/SOCKET UNF

High Polished Stainless Steel - AISI 316

The Blue Wave Chromed Bronze Body Rigging screw line features a number of details that makes it the best choice for exclusive and durable rigging.

ART. NO.	THREAD G	ROD	DASH	L1	L2	L3	D1	D2	KW1	KW2	BL	PACK
RB 516003	5/16"	3,0	1	271	181	5,9	16,8	7,9	6	6	1000 KG	BULK
RB516004	5/16"	4,0	3	271	181	5,9	16,8	7,9	6	6	1700 KG	BULK
RB038005	3/8"	5,0	6	307	223	5,9	16,8	9,5	7	7	2850 KG	BULK
RB716005	7/16"	5,0	6	357	267	6,4	19,7	11	8	9	2850 KG	BULK
RB716057	7/16"	5,7	8	357	267	6,4	19,7	11	8	9	3750 KG	BULK
RB012057	1/2"	5,7	8	396	290	7,2	23,2	12,7	10	11	3750 KG	BULK
RB716006	7/16"	6,0	9	357	267	6,4	19,7	11	8	9	4000 KG	BULK
RB012006	1/2"	6,0	9	396	290	7,2	23,2	12,7	10	11	4000 KG	BULK
RB012064	1/2"	6,4	10	396	290	7,2	23,2	12,7	10	11	4600 KG	BULK
RB012071	1/2"	7,1	12	396	290	7,2	23,2	12,7	10	11	5700 KG	BULK
RB058071	5/8"	7,1	12	509	377	9,0	27,8	16	13	14	5700 KG	BULK
RB058075	5/8"	7,5	15	509	377	9,0	27,8	16	13	14	6300 KG	BULK
RB058008	5/8"	8,0	16	509	377	9,0	27,8	16	13	14	7100 KG	BULK
RB058084	5/8"	8,4	17	509	377	9,0	27,8	16	13	14	7700 KG	BULK
RB034084	3/4"	8,4	17	589	429	10,0	31,7	19	17	17	7700 KG	BULK
RB343484	3/4"	8,4	17	545,5	377	10,0	31,7	19	17	17	7700 KG	BULK
RB034095	3/4"	9,5	22	589	429	10,0	31,7	19	17	17	10000 KG	BULK



TOGGLE/SOCKET UNF

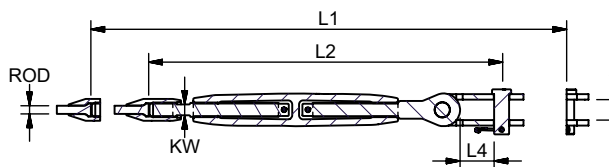
High Polished Stainless Steel - AISI 316

The Blue Wave Chromed Bronze Body Rigging screw line features a number of details that makes it the best choice for exclusive and durable rigging.

ART. NO.	THREAD G	ROD	DASH	L1	L2	L4	A	PIN SIZE	KW	BL	PACK
RT516003	5/16"	3,0	1	285,0	195,0	16	10	8,0	6	1000 KG	BULK
RT160004	5/16"	4,0	3	285,0	195,0	16	10	8,0	6	1700 KG	BULK
RT038005	3/8"	5,0	6	313,0	230,5	26	12	9,5	7	3500 KG	BULK
RT716005	7/16"	5,0	6	349,5	259,5	28	15	11,0	8	5850 KG	BULK
RT716057	7/16"	5,7	8	349,5	259,5	28	15	11,0	8	3750 KG	BULK
RT012057	1/2"	5,7	8	386,5	280,5	31	18	12,7	10	3750 KG	BULK
RT716006	7/16"	6,0	9	349,5	259,5	28	15	11,0	8	4000 KG	BULK
RT012006	1/2"	6,0	9	386,5	280,5	31	18	12,7	10	4000 KG	BULK
RT0120064	1/2"	6,4	10	386,5	280,5	31	18	12,7	10	4600 KG	BULK
RT012071	1/2"	7,1	12	386,5	280,5	31	18	12,7	10	5700 KG	BULK
RT058071	5/8"	7,1	12	511,5	379,5	37	20	16,0	13	5700 KG	BULK
RT058075	5/8"	7,5	15	511,5	379,5	37	20	16,0	13	6300 KG	BULK
RT058008	5/8"	8,0	16	511,5	379,5	37	20	16,0	13	7100 KG	BULK
RT058084	5/8"	8,4	17	511,5	379,5	37	20	16,0	13	7700 KG	BULK
RT034084	3/4"	8,4	17	577,5	417,5	40	24	19,0	17	7700 KG	BULK
RT034095	3/4"	9,5	22	577,5	417,5	40	24	19,0	17	10000 KG	BULK
RT078111	7/8"	11,1	30	683,5	469,5	46	26	22,0	19	13500 KG	BULK
RT078127	7/8"	12,7	40	678,5	484,5	46	26	22,0	22	16500 KG	BULK
RT001127	1"	12,7	40	824,5	562,5	53	29	25,4	22	16500 KG	BULK

Note: Break loads are determined by rod (SAF 2205)

The user is responsible for choosing the proper rod diameter and for correct assembly.

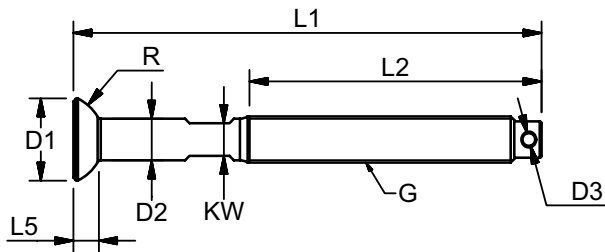


THREADED BALL FOR TIPCUP

High Polished Stainless Steel - AISI 316

MARINE
RIGGING SYSTEM

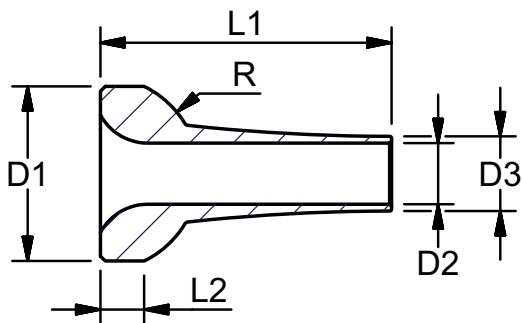
ART. NO.	THREAD G	L1	L2	L5	D1	D2	D3	KW	R	KG/100	PACK
BT014000	1/4"	80	47	4,5	13	6,35	2,2	5	5	3,9	BULK
BT516000	5/16"	92	57	6	16,8	8,5	2,8	7	9	4,2	BULK
BT038000	3/8"	101	63	5,7	16,8	8,5	2,8	7	9	5,6	BULK
BT716000	7/16"	111	70	7,5	19,8	10	3,5	9	11	8	BULK
BT012000	1/2"	129	80	7,5	22,6	11,5	3,5	11	12,5	12,2	BULK
BT058000	5/8"	154	100	9	27,8	14	4,3	14	15	23,4	BULK
BT034000	3/4"	178	120	10	31,8	17	4,5	17	17,5	38,4	BULK



STEMBALL FOR ROD

High Polished Stainless Steel - AISI 316

ART. NO.	ROD Ø MM	DASH	L1	L2	D1	D2	D3	R	KG/100	PACK
SB000004	4,0	3	25,4	3,9	14,0	4,2	5,7	8,0	0,7	BULK
SB000044	4,4	4	25,4	3,9	14,0	4,6	6,1	8,0	0,7	BULK
SB000005	5,0	6	25,4	3,9	14,0	5,2	6,7	8,0	0,8	BULK
SB000057	5,7	8	30,0	4,5	18,0	5,9	7,4	10,0	1,0	BULK
SB000006	6,0	9	30,0	4,5	18,0	6,2	7,7	10,0	1,2	BULK
SB000064	6,4	10	30,0	4,5	18,0	6,6	8,1	10,0	1,6	BULK
SB000071	7,1	12	35,0	5,0	20,0	7,3	8,8	11,0	2,4	BULK
SB000075	7,5	15	35,0	5,0	20,0	7,8	9,3	11,0	2,3	BULK
SB000008	8,0	16	40,0	5,5	23,0	8,3	10,3	12,5	3,2	BULK
SB000084	8,4	17	40,0	5,5	23,0	8,7	10,7	12,5	3,5	BULK
SB000095	9,5	22	50,0	6,5	26,0	9,8	11,8	15,0	5,0	BULK
SB000111	11,1	30	55,0	8,1	30,0	11,4	14,4	17,5	8,2	BULK
SB000127	12,7	40	60,0	9,0	35,0	13,0	16,0	20,0	12,2	BULK
SB000143	14,3	48	70,0	10,0	38,0	14,6	18,6	22,0	16,5	BULK
SB000168	16,8	60	85,0	11,0	42,0	17,2	21,2	26,0	21,3	BULK



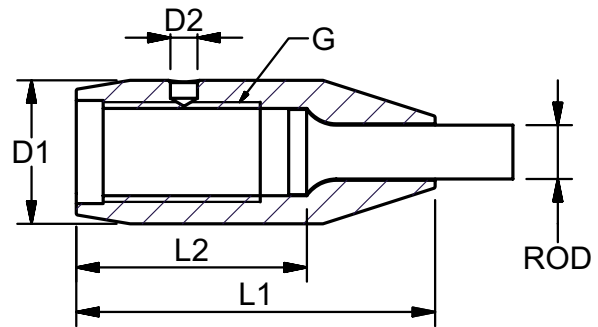


MARINE
RIGGING HARDWARE

SOCKET FOR ROD

High Polished Stainless Steel - AISI 316

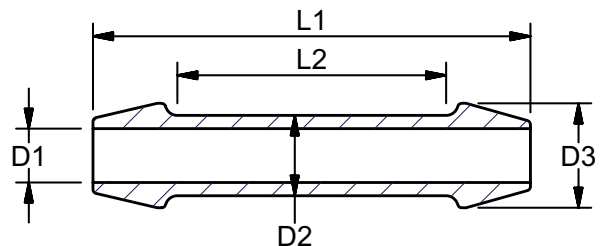
ART. NO.	ROD Ø MM	DASH	THREAD G	L1	L2	D1	D2	KG/100	PACK
SO516003	3,0	1	5/16"	35,0	19,70	13,0	3,0	2,0	BULK
SO516004	4,0	3	5/16"	35,0	19,70	13,0	3,0	2,0	BULK
SO038004	4,0	3	3/8"	40,0	19,70	13,0	3,0	2,0	BULK
SO038005	5,0	6	3/8"	40,0	22,80	14,0	3,0	2,5	BULK
SO716005	5,0	6	7/16"	41,5	24,00	16,0	3,0	3,1	BULK
SO716057	5,7	8	7/16"	41,5	25,10	16,0	3,0	3,1	BULK
SO012057	5,7	8	1/2"	45,0	27,59	18,0	3,0	4,6	BULK
SO716006	6,0	9	7/16"	40,0	27,70	16,0	3,0	3,1	BULK
SO012006	6,0	9	1/2"	45,0	27,59	18,0	3,0	4,3	BULK
SO012064	6,4	10	1/2"	45,0	28,24	18,0	3,0	4,3	BULK
SO012071	7,1	12	1/2"	45,0	28,80	18,0	3,0	4,2	BULK
SO058071	7,1	12	5/8"	55,0	34,00	22,0	4,0	7,8	BULK
SO058075	7,5	15	5/8"	56,0	33,62	22,0	4,0	8,3	BULK
SO058005	8,0	16	5/8"	55,0	34,22	22,0	4,0	8,0	BULK
SO058084	8,4	17	5/8"	55,0	34,86	22,0	4,0	7,7	BULK
SO034084	8,4	17	3/4"	64,0	40,52	26,0	4,0	11,1	BULK
SO034095	9,5	22	3/4"	62,0	41,30	26,0	4,0	10,9	BULK
SO078111	11,1	30	7/8"	72,0	45,13	30,0	4,0	16,4	BULK
SO100127	12,7	40	1"	86,0	52,69	35,0	4,0	27,5	BULK
SO118143	14,3	48	1 1/8"	97,0	61,00	40,0	5,0	41,0	BULK
SO138168	16,8	60	1 3/8"	114,0	68,00	48,0	5,0	77,9	BULK



SPREADER BEND FOR ROD

High Polished Stainless Steel - AISI 316

ART. NO.	ROD Ø MM	DASH	L1	L2	D1	D2	D3	KG/100	PACK
SP000004	4,0	3	31,0	14,0	4,4	7,0	10,0	1,0	BULK
SP000005	5,0	6	35,5	18,5	5,3	8,0	11,0	1,0	BULK
SP000057	5,7	8	42,5	23,5	6,0	9,0	12,0	1,4	BULK
SP000006	6,0	9	42,5	23,5	6,3	9,0	12,0	1,4	BULK
SP000064	6,4	10	54,5	33,5	6,7	10,0	13,0	2,2	BULK
SP000071	7,1	12	54,5	33,5	7,4	10,0	13,0	1,9	BULK
SP000075	7,5	15	63,5	38,5	7,8	11,0	14,0	2,8	BULK
SP000008	8,0	16	63,5	38,5	8,4	11,0	14,0	2,4	BULK
SP000084	8,4	17	63,5	38,5	8,8	11,0	14,0	2,2	BULK
SP000095	9,5	22	70,5	43,5	9,9	13,0	16,0	3,7	BULK
SP000111	11,1	30	84,5	53,5	11,5	15,0	18,0	5,6	BULK
SP000127	12,7	40	96,5	61,5	13,1	19,0	22,0	12,1	BULK
SP000143	14,3	48	98,5	61,5	15,0	19,0	22,0	9,4	BULK
SP000168	16,8	60	110,5	66,5	17,5	21,0	25,0	11,5	BULK





“T” TERMINAL FOR ROD

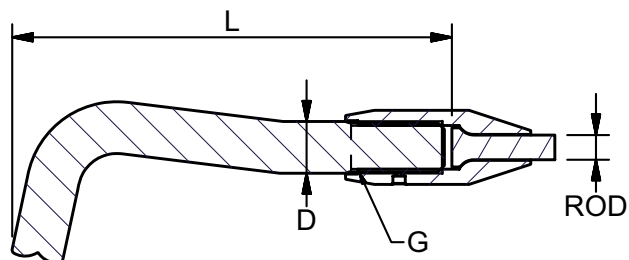
High Polished Stainless Steel - AISI 316

ART. NO.	ROD Ø MM	DASH	THREAD G	L	D	KG/100	PACK
TT716005M*	5,0	6	7/16"	106,5	12,58	15,1	BULK
TT716057M*	5,7	8	7/16"	106,5	12,58	15,1	BULK
TT012057M*	5,7	8	1/2"	106,5	12,58	17,3	BULK
TT716006M*	6,0	9	7/16"	106,5	12,58	15,1	BULK
TT012006M*	6,0	9	1/2"	106,5	12,58	17,3	BULK
TT012064M*	6,0	10	1/2"	106,5	12,58	17,3	BULK
TT012071M*	7,1	12	1/2"	116,5	14,2	20,7	BULK
TT058071M**	7,1	12	5/8"	141,5	16,0	34,0	BULK
TT058075M**	7,5	15	5/8"	141,5	16,0	34,0	BULK
TT058008M**	8,0	16	5/8"	156,5	17,8	41,7	BULK
TT058084M**	8,4	17	5/8"	156,5	17,8	41,7	BULK

Note: Rod in various lengths are available on request.

The user is responsible for choosing the proper rod diameter, and for correct assembly.

Use back plates 616107 for *, and 616110 for **, or refer to page 26.



AD Boats Ltd.

AD Boats in Croatia produces the very popular range of Salona yachts.

The upcoming shipyard has already achieved widespread acclaim, with the "Yacht of the year 2007" title for the very popular Salona 37.

The newly introduced Salona 34 is also nominated for the "yacht of the year 2008" title.

AD Boats Ltd offers a range of 5 different yachts, ranging from 34" to 45".

Blue Wave delivers a complete range of rod fittings for the Salona Yachts.



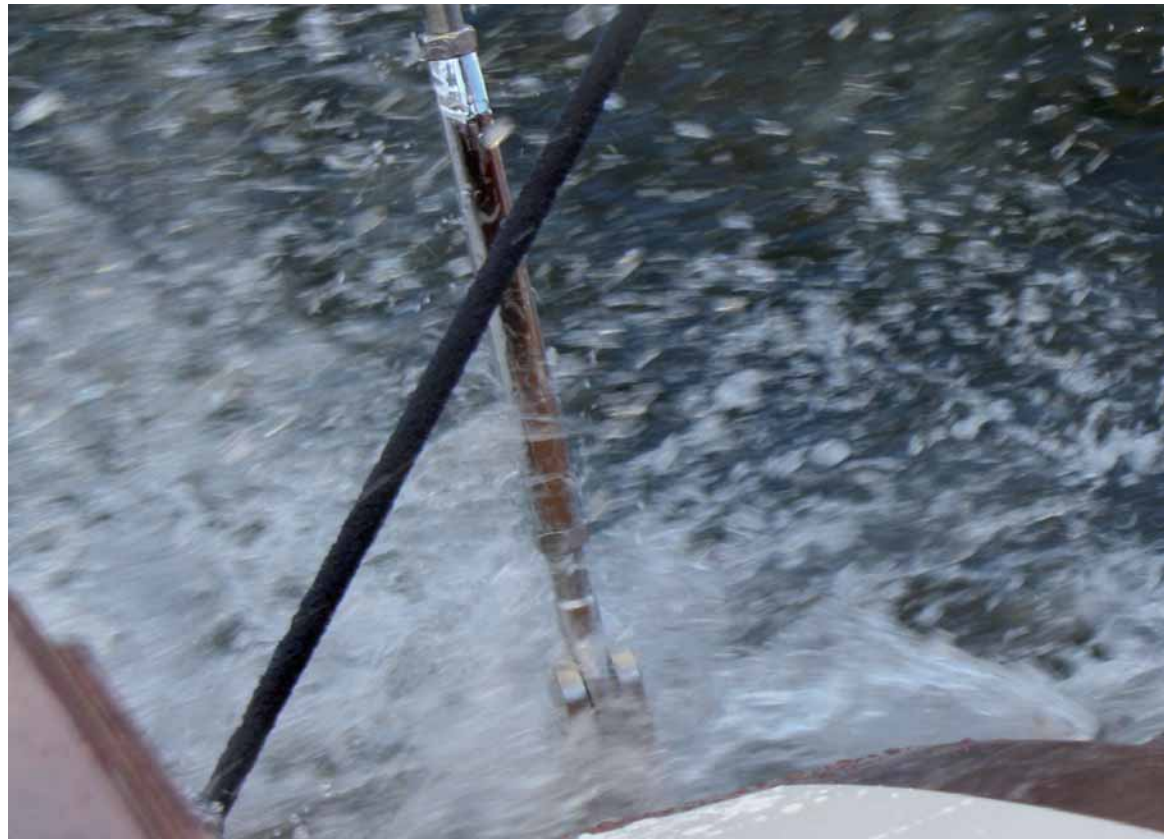
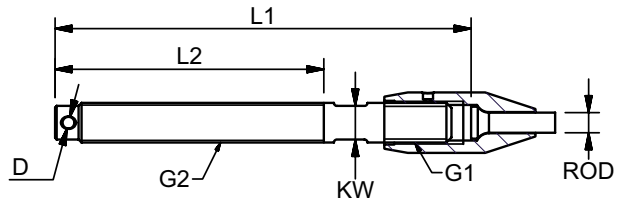
MARINE
RIGGING HARDWARE

STUD TERMINAL FOR ROD

High Polished Stainless Steel - AISI 316

ART. NO. RIGHT	ART. NO. LEFT	ROD MM	DASH	THREAD G1	THREAD G2	L1	L2	D	KW	KG/100	PACK
SR516003M	SL516003M	3,0	1	5/16"	5/16"	84,5	57,0	2,2	6	4,5	BULK
SR516004M	SL516004M	4,0	3	5/16"	5/16"	84,5	57,0	2,2	6	4,5	BULK
SR038004M	SL038004M	4,0	3	3/8"	3/8"	93,5	63,0	2,2	7	8,6	BULK
SR038005M	SL038005M	5,0	6	3/8"	3/8"	93,5	63,0	2,2	7	8,6	BULK
SR716005M	SL716005M	5,0	6	7/16"	7/16"	103,5	70,0	2,2	8	9,6	BULK
SR716057M	SL716057M	5,7	8	7/16"	7/16"	103,5	70,0	2,2	8	9,6	BULK
SR012057M	SL012057M	5,7	8	1/2"	1/2"	119,5	80,0	2,8	10	14,3	BULK
SR716006M	SL716006M	6,0	9	7/16"	7/16"	103,5	70,0	2,2	8	9,6	BULK
SR012006M	SL012006M	6,0	9	1/2"	1/2"	119,5	80,0	2,8	10	14,3	BULK
SR012064M	SL012064M	6,4	10	1/2"	1/2"	119,5	80,0	2,8	10	14,3	BULK
SR012071M	SL012071M	7,1	12	1/2"	1/2"	119,5	80,0	2,8	10	14,2	BULK
SR058071M	SL058071M	7,1	12	5/8"	5/8"	146,5	100,0	3,5	13	27,8	BULK
SR058075M	SL058075M	7,5	15	5/8"	5/8"	146,5	100,0	3,5	13	27,8	BULK
SR058008M	SL058008M	8,0	16	5/8"	5/8"	146,5	100,0	3,5	13	28,0	BULK
SR058084M	SL058084M	8,4	17	5/8"	5/8"	146,5	100,0	3,5	13	27,7	BULK
SR034084M	SL034084M	8,4	17	3/4"	5/8"	171,5	120,0	3,5	17	43,1	BULK
SR343484M	SL343484M	8,4	17	3/4"	3/4"	176,5	120,0	3,5	17	46,3	BULK
SR034095M	SL034095M	9,5	22	3/4"	3/4"	176,5	120,0	3,5	17	46,1	BULK
SR078111M	SL078111M	11,1	30	7/8"	7/8"	191,5	140,0	3,5	19	69,0	BULK
SR100127M	SL100127M	12,7	40	1"	1"	241,5	170,0	3,5	22	114,3	BULK

The user is responsible for choosing the proper rod diameter and for correct assembly.

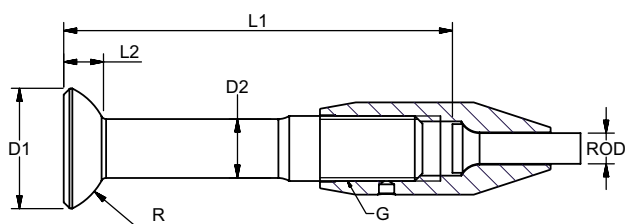


BALL TERMINAL FOR ROD

High Polished Stainless Steel - AISI 316

ART. NO.	ROD Ø MM	DASH	THREAD G	L1	L2	D1	D2	R	KG/100	PACK
BA516003M	3,0	1	5/16"	53,5	5,9	16,8	10,0	9,0	5,9	BULK
BA038004M	4,0	3	3/8"	59,0	5,9	16,8	8,5	9,0	6,5	BULK
BA516004M	4,0	3	5/16"	53,5	5,9	16,8	10,0	9,0	6,5	BULK
BA038005M	5,0	6	3/8"	59,0	5,9	16,8	8,5	9,0	8,1	BULK
BA716005M	5,0	6	7/16"	61,5	6,4	19,7	10,0	11,0	8,1	BULK
BA716057M	5,7	8	7/16"	61,5	6,4	19,7	10,0	11,0	8,1	BULK
BA012057M	5,7	8	1/2"	71,5	7,2	23,2	11,5	12,0	11,6	BULK
BA716006M	6,0	9	7/16"	61,5	6,4	19,7	10,0	11,0	8,1	BULK
BA012006M	6,0	9	1/2"	71,5	7,2	23,2	11,5	12,0	11,6	BULK
BA012064M	6,4	10	1/2"	71,5	7,2	23,2	11,5	12,0	11,6	BULK
BA012071M	7,1	12	1/2"	71,5	7,2	23,2	11,5	12,0	11,5	BULK
BA058071M	7,1	12	5/8"	81,5	9,0	27,8	14,0	15,0	21,3	BULK
BA058075M	7,5	15	5/8"	81,5	9,0	27,8	14,0	15,0	21,3	BULK
BA058008M	8,0	16	5/8"	81,5	9,0	27,8	14,0	15,0	21,5	BULK
BA058084M	8,4	17	5/8"	81,5	9,0	27,8	14,0	15,0	21,2	BULK
BA034084M	8,4	17	3/4"	92,0	10,0	31,7	17,0	17,5	33,7	BULK
BA034095M	9,5	22	3/4"	91,5	10,0	31,7	17,0	17,5	33,5	BULK
BA078111M	11,1	30	7/8"	101,5	10,5	35,7	20,0	20,0	48,3	BULK
BA100127M	12,7	40	1"	111,5	10,5	38,7	23,0	22,0	73,1	BULK
BA118143M	14,3	48	1 1/8"	126	11,5	41,7	26,0	23,0	112,3	BULK
BA138168M	16,8	60	1 3/8"	136,5	12,5	46,8	32,0	25,0	192,9	BULK

The user is responsible for choosing the proper rod diameter and for correct assembly



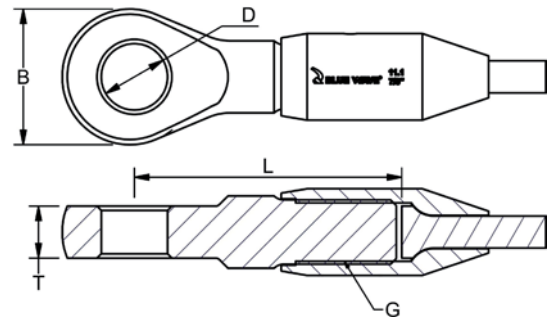


MARINE
RIGGING HARDWARE

EYE TERMINAL FOR ROD

High Polished Stainless Steel - AISI 316

ART. NO.	ROD Ø MM	DASH	THREAD G	L	B	D1	T	KG/100	PACK
EY516004M	4,0	3	5/16"	34,5	17,0	8,5	5,0	3,6	BULK
EY716005M	5,0	6	7/16"	46,5	24,0	11,5	8,0	8,3	BULK
EY716057M	5,7	8	7/16"	46,5	24,0	11,5	8,0	8,3	BULK
EY012057M	5,7	8	1/2"	56,0	28,0	13,2	10,0	12,5	BULK
EY716006M	6,0	9	7/16"	46,5	24,0	11,5	8,0	8,3	BULK
EY012006M	6,0	9	1/2"	56,0	28,0	13,2	10,0	12,5	BULK
EY012064M	6,4	10	1/2"	56,0	28,0	13,2	10,0	12,5	BULK
EY012071M	7,1	12	1/2"	56,0	28,0	13,2	10,0	12,4	BULK
EY058071M	7,1	12	5/8"	70,5	36,0	16,5	12,0	24,4	BULK
EY058075M	7,5	15	5/8"	70,5	36,0	16,5	12,0	24,4	BULK
EY058008M	8,0	16	5/8"	70,5	36,0	16,5	12,0	24,6	BULK
EY058084M	8,4	17	5/8"	70,5	36,0	16,5	12,0	24,3	BULK
EY034084M	8,4	17	3/4"	79,0	41,0	19,5	16,0	38,1	BULK
EY034095M	9,5	22	3/4"	79,0	41,0	19,5	16,0	37,9	BULK
EY078111M	11,1	30	7/8"	92,5	47,0	23,0	18,0	57,1	BULK
EY100127M	12,7	40	1"	101,5	52,0	26,0	20,0	83,1	BULK
EY118143M	14,3	48	1 1/8"	112,0	62,0	28,5	24,0	127,8	BULK
EY138168M	16,8	60	1 3/8"	125,5	68,0	32,5	30,0	212,7	BULK

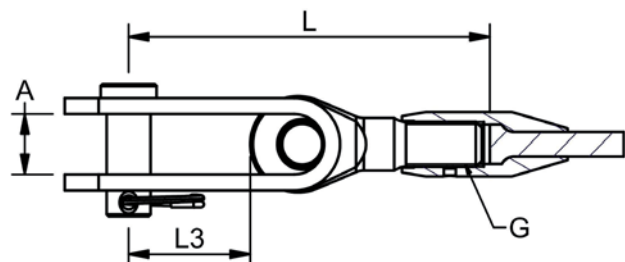


TOGGLE TERMINAL FOR ROD

High Polished Stainless Steel - AISI 316

ART. NO.	ROD Ø MM.	DASH	THREAD G	L	L3	A	PIN SIZE	KG/100	PACK
TO516004M	4,0	3	5/16"	53,0	18,0	10,0	11,0	21,2	BULK
TO716005M	5,0	6	7/16"	88,0	30,0	15,0	11,0	24,4	BULK
TO716057M	5,7	8	7/16"	88,0	30,0	15,0	11,0	24,4	BULK
TO012057M	5,7	8	1/2"	102,5	30,0	18,0	12,7	34,8	BULK
TO716006M	6,0	9	7/16"	88,0	30,0	15,0	11,0	24,4	BULK
TO012006M	6,0	9	1/2"	102,5	30,0	18,0	12,7	34,5	BULK
TO012064M	6,4	10	1/2"	102,5	30,0	18,0	12,7	34,5	BULK
TO012071M	7,1	12	1/2"	102,5	30,0	18,0	12,7	34,4	BULK
TO058071M	7,1	12	5/8"	126,5	35,0	20,0	16,0	61,3	BULK
TO058075M	7,5	15	5/8"	126,5	35,0	20,0	16,0	61,8	BULK
TO058008M	8,0	16	5/8"	126,5	35,0	20,0	16,0	61,5	BULK
TO058084M	8,4	17	5/8"	126,5	35,0	20,0	16,0	61,2	BULK
TO034095M	9,5	22	3/4"	141,0	40,0	24,0	19,0	99,9	BULK
TO078111M	11,1	30	7/8"	163,5	50,0	26,0	22,0	151,4	BULK
TO100127M	12,7	40	1"	182,5	60,0	29,0	25,4	246,5	BULK
TO118143M	14,3	48	1 1/8"	206,0	65,0	34,0	28,0	319,6	BULK
TO138168M	16,8	60	1 3/8"	233,0	75,0	40,0	32,0	371,9	BULK

Note: Rod in various lengths are available on request.
The user is responsible for choosing the proper rod diameter, and for correct assembly.



FURLER EYE TERMINAL FOR ROD

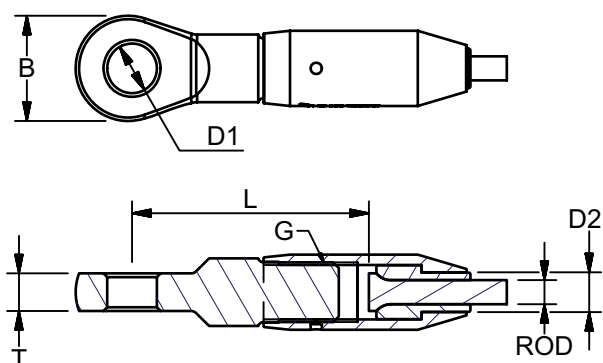
High Polished acid proof Stainless Steel

The "Furler Eye Terminal" is a highly sophisticated rod eye. It enables the rigger to fit the rod eye onto the rod after the cold heading. It can also be used to replace broken or stuck fittings without having to do a time and cost consuming replacement.

ART. NO.	ROD Ø MM.	DASH	THREAD G	L	B	D1	D2	T	KG/100	PACK
FS058060	6,0	9	5/8"	62,0	28,0	13,2	10,6	10,0	17,8	BULK
FS058064	6,4	10	5/8"	62,0	28,0	13,2	10,6	10,0	17,8	BULK
FS034071	7,1	12	3/4"	73,5	36,0	16,5	14,0	12,0	32,0	BULK
FS034074	7,5	15	3/4"	73,5	36,0	16,5	14,0	12,0	31,6	BULK
FS034080	8,0	16	3/4"	73,5	36,0	16,5	14,0	12,0	31,5	BULK
FS034084	8,4	17	3/4"	73,5	36,0	16,5	14,0	12,0	31,3	BULK
FS100095	9,5	22	1"	92,0	41,0	19,5	19,0	16,0	64,6	BULK
FS100111	11,1	30	1"	96,0	47,0	23,0	19,0	18,0	71,3	BULK

Note: Break loads are determined by rod.

The user is responsible for choosing the proper rod diameter and for correct assembly.



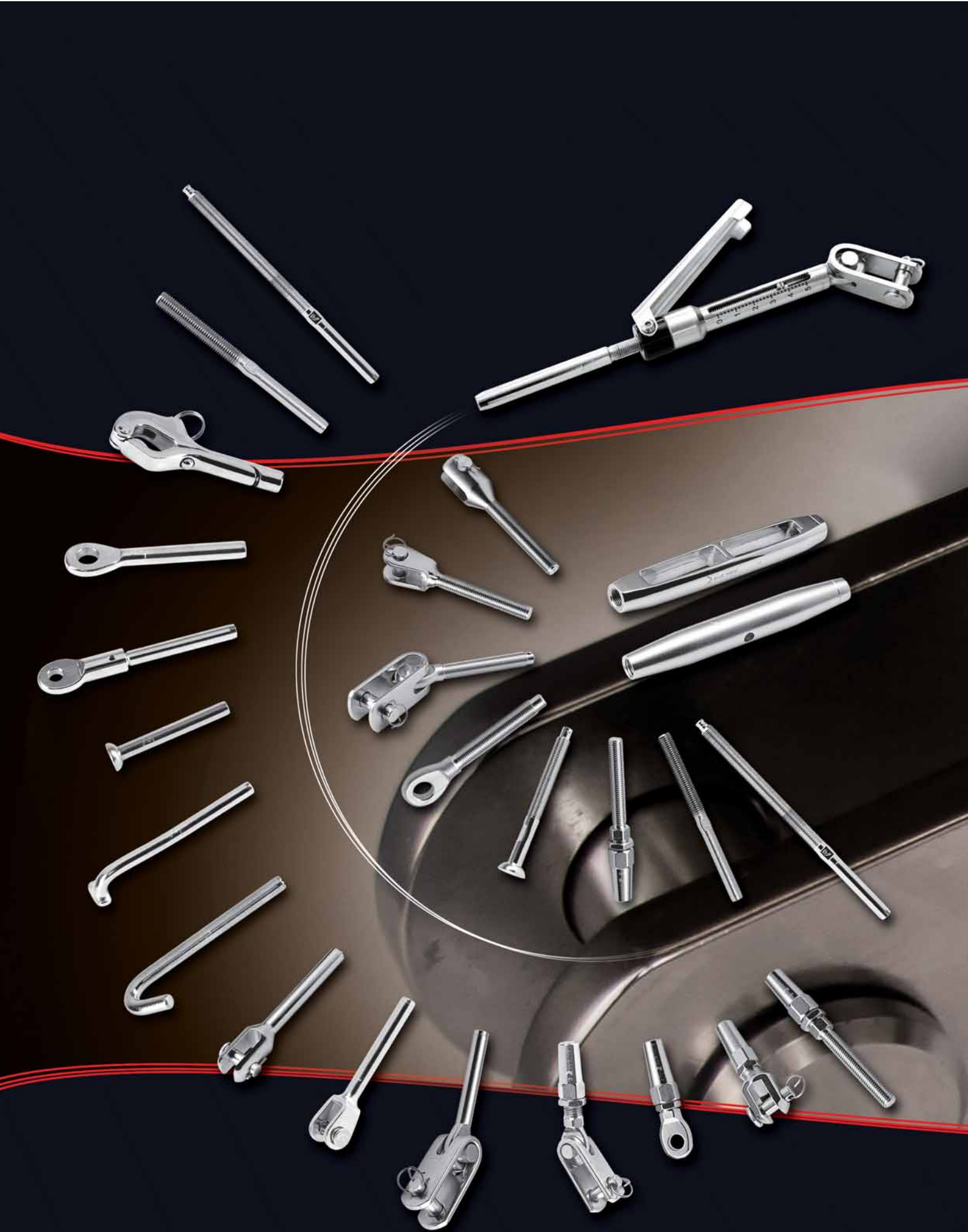
SIMON BOLIVAR

Superbly designed and built Simon Bolivar, though launched as recently as 1979, has become a familiar participant in Tall Ship events.

Her frequent transatlantic voyages and tours of ports in the Americas, have gained a wide following for the class "A" square-rigger.

Simon Bolivar is exclusively used as a training vessel for the Venezuelan Navy.

Fab: Astilleros Talleres Celaya
 Model Year: 1980
 BW has supplied all terminals and turnbuckles to her standing rigging.



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