

# ROD RIGGING
2026

WWW.BLUEWAVE.DK

BLUE WAVE®
RIGGING HARDWARE

# *Innovative stainless steel solutions since 1932*

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

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

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

Blue Wave is ISO 9001 certified.

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

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

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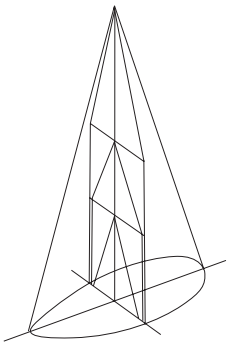
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# FACTS AND INFORMATION

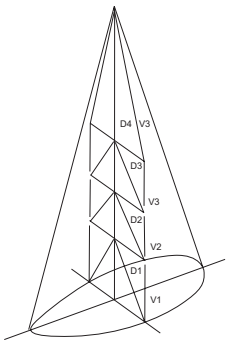


## WIRE OR ROD RIGGING - BLUE WAVE HAS THE FITTINGS

Blue Wave offers a wide range of high quality stainless steel marine fittings. The Our range complies with AISI 316 standards and is also available in combination with chromed bronze. There are several interchangeable combinations of components which can be used to complete the optimal wire or rod rig for almost every boat. Our production is driven by customer demand and we are sure you will find something that meets your requirements within our range.

## 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.

## 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 threads 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. 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

A rod rig genereally has a shorter lifetime than a wire rig because a wire rig has higher flexibility. Dyform or compacted wire, however, are exceptions seeing that they have the capacity of rod and the flexibility of wire.
Stretch, i.e. the amount by which a material can be increased in size (lengthened or widened) by pulling, is always a critical factor when designing a rig. Low stretch under high loads is important for the final performance of a rigging configuration.

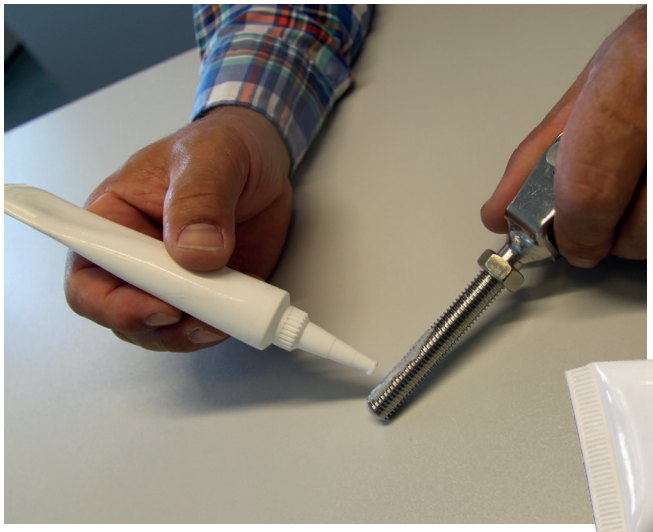
# BLUE WAVE HIGH QUALITY LUBRICANT

## Synthetic oil based lubricant with PTFE

The Blue Wave lubricant contains PTFE micro powder dispersed in synthetic base oil with anti-oxidation additives. This highly effective lubricant with long life properties is used for metal to metal applications. It is water-repellent, does not soil and resists temperatures between - 50°C and +200°C. Furthermore, it is non-ageing and has extremely low friction.

The lubricant is supplied in tubes of either 50, 30 and 5 ml.

The Blue Wave lubricant is used on threads to improve the performance. Whenever stainless steel threaded parts are screwed together it is always strongly recommended to lubricate the threads first as this prevents the threads from jamming.



| ART. NO. | NET. WEIGHT | KG/100 |
|---|---|---|
| BWLUB1 | 50g | 5 |
| BWLUB2 | 30g | 3 |
| BWLUB3 | 5g | 0,5 |







**Blue Wave products can be used in temperatures ranging from -40°C to +100°C and briefly up to 200°C**

# STAINLESS STEEL GRADES AND CERTIFICATES

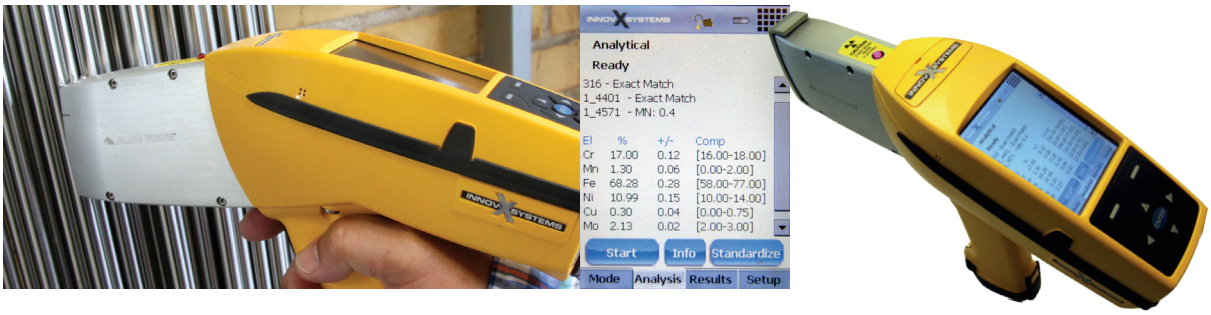
## PREN Pitting Resistance Equivalent
## PREN = % Cr + ( % Mo x 3,3 ) + ( % N x 16 )

PREN is a formula used to calculate the properties of stainless steel and their resistance against pitting. For instance, the content of molybdenum has 3.3 times as great effect against corrosion as the content of chrome. At Blue Wave we inspect raw materials with an x-ray gun to ensure that our customers always get the desired quality.

Below is a table of the most frequently used types of stainless steel at Blue Wave and their chemical composition.

| EN | AISI | C % | Cr % | Ni % | Mo % | N % | Si ≤% | Mn ≤% | S ≤% | P ≤% | PREN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.4301 | 304 | ≤ 0,07 | 17,5 - 19,5 | 8,00 - 10,5 | - | - | 1,0 | 2,0 | 0,015 | 0,045 | 17,5 |
| 1.4401 | 316 | ≤ 0,07 | 16,5 - 18,5 | 10,0 - 13,0 | 2,00 - 2,50 | - | 1,0 | 2,0 | 0,015 | 0,045 | 23,1 |
| 1.4404 | 316 L | ≤ 0,03 | 16,5 - 18,5 | 10,0 - 13,0 | 2,00 - 2,50 | - | 1,0 | 2,0 | 0,015 | 0,045 | 23,1 |
| 1.4571 | 316 Ti | ≤ 0,08 | 16,5 - 18,5 | 10,5 - 13,5 | 2,00 - 2,50 | - | 1,0 | 2,0 | 0,015 | 0,045 | 23,1 |
| 1.4462 | 318 LN | ≤ 0,03 | 21,0 - 23,0 | 4,50 - 6,50 | 2,50 - 3,50 | 0,1 - 0,22 | 1,0 | 2,0 | 0,015 | 0,035 | 30,9 |

Blue Wave uses an x-ray device to inspect raw materials




## ISO CERTIFIED PRODUCTION

We are ISO 9001:2015 certified.






BLUE WAVE®



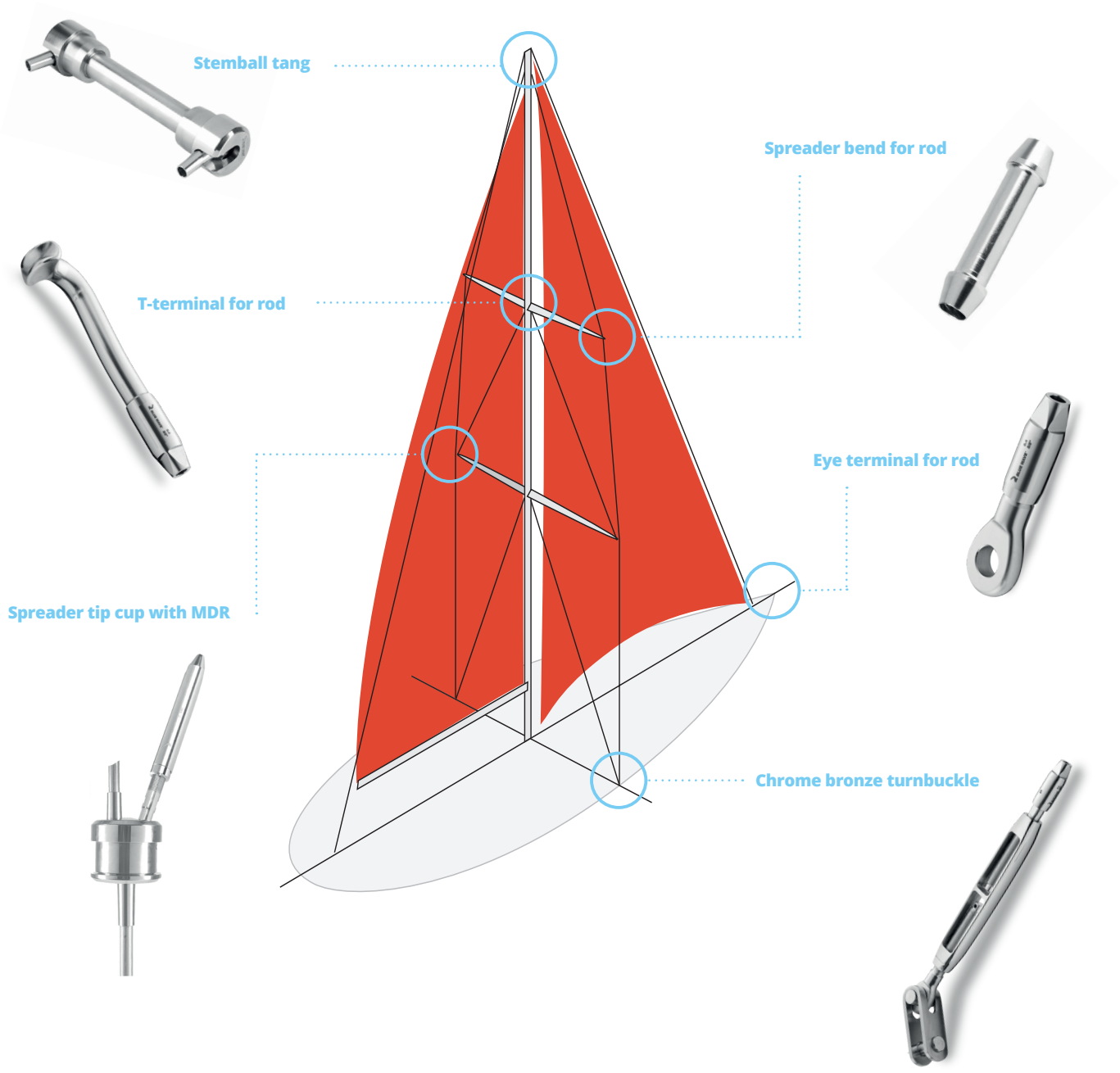
BLUE WAVE®

# ROD RIGGING SYSTEM FACTS

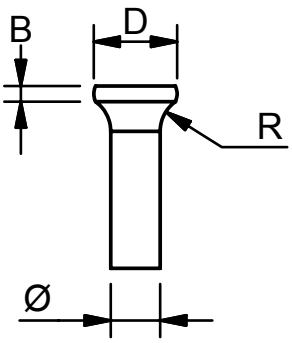
Below is a summary of our rod range and some of its common rig combinations ranging from DASH 1 to DASH 60 with threads from 1/4" to 1 3/8".

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 DIMENSIONS




| 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 |



## SANDVIK SANRIG 80

Sandvik SanRig 80 is an austenitic stainless steel characterized by very high fatigue and tensile strength combined with good corrosion resistance in seawater containing media. Sandvik SanRig 80 rig rod is developed specially for marine applications.

## CORROSION RESISTANCE

In seawater and other high chloride containing media, Sandvik SanRig 80 rig rod has very good corrosion resistance. Tests have been carried out in 3% NaCl solution using an electrochemical cell with an applied potential of 300mV VS. SCE. The determined critical pitting temperature (CPT) of Sandvik SanRig 80 was approximately 50 C (122 F). Based on the results it can be concluded that the pitting corrosion resistance of Sandvik SanRig 80 rig rod is sufficient for the application and comparable to grade Nitronic* 50.

## PROOF STRENGTH

Proof strength Rpo.2 for Sandvik SanRig 80 rig rod is in the range of 80 - 85 % of the tensile strength. Sandvik SanRig 80 can resist high loads without permanent set of the rig.

## MECHANICAL PROPERTIES FOR SANRIG 80 ARE SHOWN IN THE FOLLOWING TABLE

| DIAMETER | DASH | TOLERANCE | BREAK LOAD | WEIGHT | STRETCH |
|---|---|---|---|---|---|
| MM | | (+ / - MM) | KG | KG/M | MM/ 10M |
| 3 | 1 | 0,022 | 1030 | 0,056 | 18 |
| 4 | 3 | 0,022 | 1840 | 0,099 | 18 |
| 4,4 | 4 | 0,022 | 2240 | 0,120 | 18 |
| 5 | 6 | 0,022 | 2900 | 0,154 | 18 |
| 5,7 | 8 | 0,022 | 3770 | 0,200 | 18 |
| 6 | 9 | 0,022 | 4150 | 0,222 | 18 |
| 6,4 | 10 | 0,028 | 4750 | 0,025 | 18 |
| 7 / 7,1 | 12 | 0,028 | 5850 | 0,308 | 18 |
| 7,5 | 15 | 0,028 | 6530 | 0,347 | 18 |
| 8 | 16 | 0,028 | 7380 | 0,395 | 17 |
| 8,4 / 8,5 | 17 | 0,028 | 8190 | 0,440 | 17 |
| 9,5 | 22 | 0,028 | 10470 | 0,557 | 17 |
| 11,1 | 30 | 0,036 | 13810 | 0,760 | 17 |
| 12,7 | 40 | 0,036 | 18080 | 0,995 | 16 |
| 14,3 | 48 | 0,036 | 22920 | 1,250 | 16 |
| 16,8 | 60 | 0,036 | 31630 | 1,740 | 16 |

Stretch in mm per 10m with load of 25% of min. breaking strenght

# ROD COLD HEADING MACHINE

## THE PRINCIPALS

A 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.

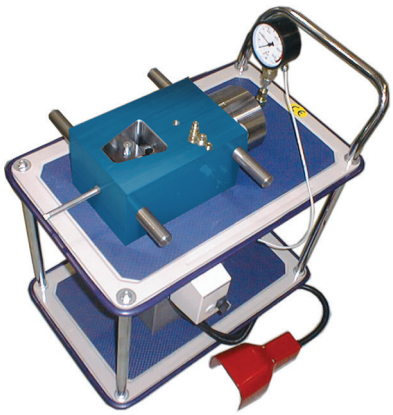
Through the center piston pressure up to 260T is applied to the end of the rod and forms the "head".

The machine 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 pump 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 cold heading machine and dies, please contact Blue Wave A/S.

## ROD COLD HEADING MACHINES

| ROD Press Machines Range | | |
|---|---|---|
| **MACHINES** | **RP60T** | **RPT260T** |
| Max Press capacity (tons) / Rod size (mm) / Dash<br>Dimensions LxWxH (mm)<br>Weight approx. Depending on pump | 60 / 12,7 / -40<br>200x395x170<br>100 | 260 / 1" / -150<br>660x360x360<br>700 |
| **PUMPS**<br>All pumps are delivered with a quick connecter, so it can power other hydraulic operated equipment as Talurit press, Wire Teknik rollerswager, ect. | | |
| **HAGG PA9**<br>Air hydraulic foot pump<br>Standard 700 bar | ✓ | N.A. |
| **HAAG HC 44/1,5**<br>Hydraulic unit, 3 phases | ✓ | N.A. |
| **RPHC2215**<br>Compact hydraulic, single phase, 230V, 50Hz, HAAG 1,5kW | N.A. | ✓ |
| **RPHC4815**<br>Hydraulic pump 3 phase, 400V, 50Hz, HAAG 3,2kW<br>3 phase, 400V, 50Hz, 3kW | N.A. | ✓ |
| **RPV500**<br>Work & transport cart | On Request | On Request |
| **DIES**<br>Ranging from 3,0mm up to 1" rod (price per unit) by | min. 5 sets | min. 5 sets |
| **CONDITIONS**<br>Downpayment 30%<br>Delivery time: On Request, but app. 3 to 5 month depending on the choice of Rod Machine | | |


ARG372
ITA26
JPN45
GER77
AUT391
FORWARD WIP
KOLTER
STOLZ
M&P

BLUE WAVE®

# ROD RIGGING SYSTEM

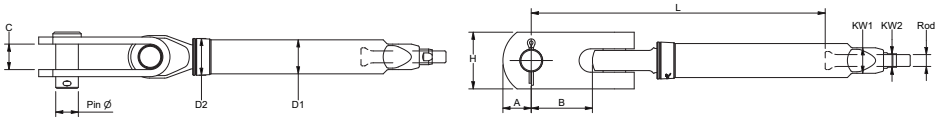


## RIGGING SCREW WITH TOGGLE

Satin polished acid proof stainless steel

| | ART. NO. | ROD DASH | ROD Ø | PIN Ø | A | B | C | H | L (MIN) | L (MAX) | D1 | D2 | KW1 | KW2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RTT017 | 17 | 8,4 | 15,9 | 21 | 42 | 18 | 40 | 291 | 412 | 27,5 | 31 | 21 | 10,5 |
| | RTT022 | 22 | 9,5 | 19,1 | 26 | 57 | 22 | 50 | 324 | 450 | 31 | 37 | 24 | 12 |
| | RTT030 | 30 | 11,1 | 22,2 | 32 | 69 | 24 | 60 | 355 | 492 | 36 | 39 | 28 | 13 |
| | RTT040 | 40 | 12,7 | 25,4 | 32 | 68 | 28 | 60 | 370 | 517 | 40 | 43 | 30 | 15 |
| | RTT048 | 48 | 14,3 | 28,6 | 36 | 75 | 32 | 70 | 395 | 547 | 44 | 46 | 33,5 | 17 |
| | RTT060 | 60 | 16,8 | 31,8 | 40 | 86 | 36 | 80 | 416 | 558 | 48 | 52 | 36 | 19 |
| * | RTT076 | 76 | 17,9 | 34,9 | 40 | 81 | 37 | 80 | 439 | 585 | 51 | 54 | 40 | 21 |
| * | RTT091 | 91 | 19,5 | 34,9 | 42 | 93 | 38 | 82 | 449 | 591 | 55 | 58 | 41 | 22 |
| * | RTT115 | 115 | 22,2 | 39,7 | 50 | 115 | 44 | 90 | 492 | 644 | 61 | 65 | 48 | 25 |
| * | RTT150 | 150 | 25,4 | 44,5 | 55 | 133 | 49 | 100 | 527 | 679 | 68 | 72 | 52 | 28 |

* Note: available only on request



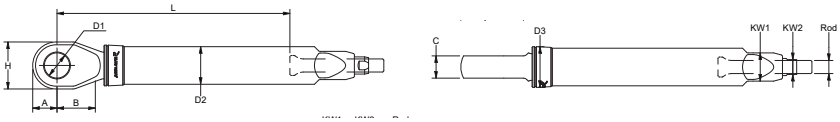


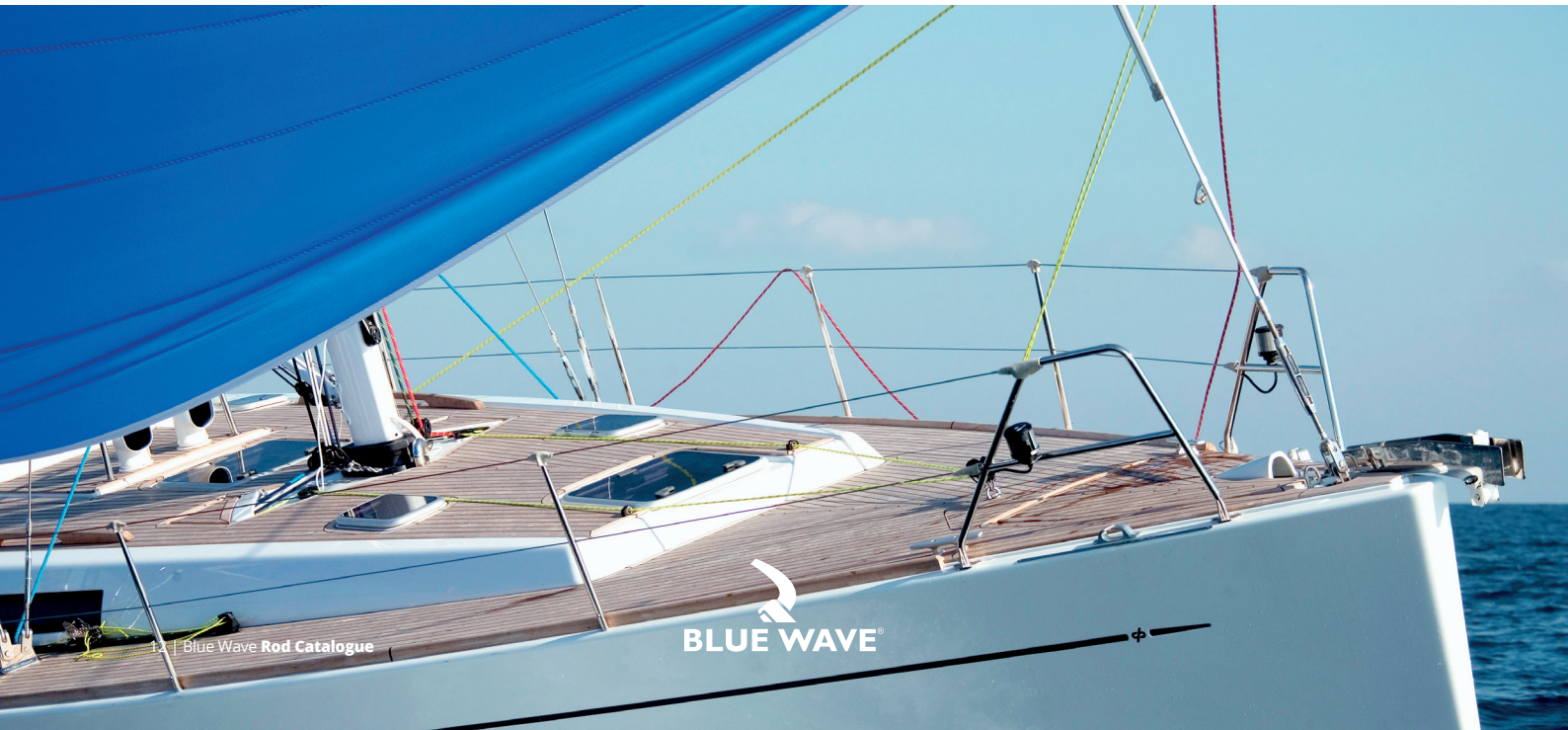

## RIGGING SCREW WITH EYE

Satin polished acid proof stainless steel

| | ART. NO. | ROD DASH | ROD Ø | FOR PIN Ø | D1 | A | B | C | H | L (MIN) | L (MAX) | D2 | D3 | KW1 | KW2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RTE017 | 17 | 8,4 | 15,9 | 16,2 | 18 | 24 | 14 | 33,5 | 230 | 351 | 27,5 | 31 | 21 | 10,5 |
| | RTE022 | 22 | 9,5 | 19,1 | 19,4 | 20 | 30 | 17 | 38 | 246 | 372 | 31 | 37 | 24 | 12 |
| | RTE030 | 30 | 11,1 | 22,2 | 22,7 | 23 | 36 | 19,5 | 44 | 263 | 400 | 36 | 39 | 28 | 13 |
| | RTE040 | 40 | 12,7 | 25,4 | 25,9 | 25 | 39 | 22 | 48 | 277 | 424 | 40 | 43 | 30 | 15 |
| | RTE048 | 48 | 14,3 | 28,6 | 29,1 | 28 | 45 | 25 | 54 | 292 | 444 | 44 | 46 | 33,5 | 17 |
| | RTE060 | 60 | 16,8 | 31,8 | 32,3 | 31 | 49 | 28,5 | 60 | 299 | 441 | 48 | 52 | 36 | 19 |
| * | RTE076 | 76 | 17,9 | 34,9 | 35,5 | 33 | 52 | 31 | 65 | 325 | 471 | 51 | 54 | 40 | 21 |
| * | RTE091 | 91 | 19,5 | 34,9 | 35,5 | 36 | 54 | 32 | 70 | 319 | 462 | 55 | 58 | 41 | 22 |
| * | RTE115 | 115 | 22,2 | 39,7 | 40,3 | 42 | 60 | 36 | 80 | 335 | 487 | 61 | 65 | 48 | 25 |
| * | RTE150 | 150 | 25,4 | 44,5 | 45,1 | 43 | 67 | 40 | 85 | 350 | 502 | 68 | 72 | 52 | 28 |

* Note: available only on request



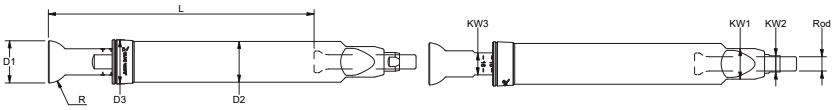
## RIGGING SCREW WITH BALL

Satin polished acid proof stainless steel

| | ART. NO. | ROD DASH | ROD Ø | R | D1 | D2 | D3 | L (MIN) | L (MAX) | KW1 | KW2 | KW3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RTB017 | 17 | 8,4 | 14,8 | 29,5 | 27,5 | 31 | 235 | 354 | 21 | 10,5 | 14,5 |
| | RTB022 | 22 | 9,5 | 15,8 | 31,5 | 31 | 37 | 248 | 373 | 24 | 12 | 18 |
| | RTB030 | 30 | 11,1 | 17,8 | 35,5 | 36 | 39 | 265 | 401 | 28 | 13 | 20 |
| | RTB040 | 40 | 12,7 | 19,8 | 40 | 40 | 43 | 288 | 434 | 30 | 15 | 22 |
| | RTB048 | 48 | 14,3 | 21,8 | 44 | 44 | 46 | 308 | 459 | 33,5 | 17 | 24 |
| | RTB060 | 60 | 16,8 | 24,8 | 50 | 48 | 52 | 314 | 456 | 36 | 19 | 26 |
| * | RTB076 | 76 | 17,9 | 26,8 | 53,5 | 51 | 54 | 314 | 460 | 40 | 21 | 29 |
| * | RTB091 | 91 | 19,5 | 29,8 | 59,5 | 55 | 58 | 315 | 457 | 41 | 22 | 33 |
| * | RTB115 | 115 | 22,2 | 32,8 | 65,5 | 61 | 65 | 343 | 490 | 48 | 25 | 36 |
| * | RTB150 | 150 | 25,4 | 35,8 | 91,5 | 68 | 72 | 358 | 505 | 52 | 28 | 40 |

* Note: available only on request





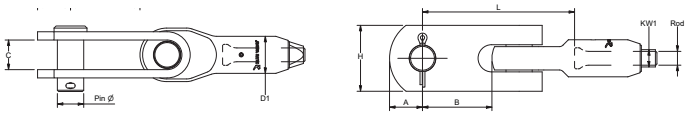

## FURLING TOGGLE

Satin polished acid proof stainless steel

| | ART. NO. | ROD DASH | ROD Ø | PIN Ø | A | B | C | H | L | D1 | KW1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | RFT017 | 17 | 8,4 | 15,9 | 21 | 48 | 18 | 40 | 102 | 23 | 11 |
| | RFT022 | 22 | 9,5 | 19,1 | 26 | 58 | 22 | 50 | 118 | 28 | 13 |
| | RFT030 | 30 | 11,1 | 22,2 | 32 | 73 | 24 | 60 | 149 | 31 | 15 |
| | RFT040 | 40 | 12,7 | 25,4 | 32 | 70 | 28 | 60 | 151 | 35 | 15 |
| | RFT048 | 48 | 14,3 | 28,6 | 36 | 75 | 32 | 70 | 168 | 38 | 18 |
| | RFT060 | 60 | 16,8 | 31,8 | 40 | 84 | 36 | 80 | 184 | 45 | 21 |
| * | RFT076 | 76 | 17,9 | 34,9 | 40 | 81 | 37 | 80 | 179 | 45 | 24 |
| * | RFT091 | 91 | 19,5 | 34,9 | 43 | 93 | 38 | 82 | 204 | 50 | 27 |
| * | RFT115 | 115 | 22,2 | 39,7 | 50 | 116 | 44 | 90 | 248 | 57 | 32 |
| * | RFT150 | 150 | 25,4 | 44,5 | 55 | 129 | 49 | 100 | 267 | 65 | 34 |

* Note: available only on request





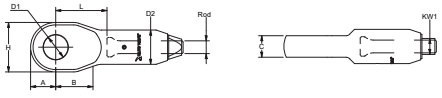

## FURLING EYE

Satin polished acid proof stainless steel

| | ART. NO. | ROD DASH | ROD Ø | FOR PIN Ø | D1 | A | B | C | H | L | D2 | KW1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RFE017 | 17 | 8,4 | 15,9 | 16,2 | 17 | 24 | 14 | 33 | 36 | 23 | 11 |
| | RFE022 | 22 | 9,5 | 19,1 | 19,4 | 19 | 29 | 17 | 37 | 40 | 28 | 13 |
| | RFE030 | 30 | 11,1 | 22,2 | 22,7 | 22 | 36 | 20 | 43 | 54 | 31 | 15 |
| | RFE040 | 40 | 12,7 | 25,4 | 25,9 | 25 | 40 | 22 | 49 | 54 | 35 | 15 |
| | RFE048 | 48 | 14,3 | 28,6 | 29,1 | 28 | 43 | 25 | 54 | 64 | 38 | 18 |
| | RFE060 | 60 | 16,8 | 31,8 | 32,3 | 33 | 49 | 28,5 | 65 | 67 | 45 | 21 |
| * | RFE076 | 76 | 17,9 | 34,9 | 35,5 | 33 | 53 | 33 | 65 | 64 | 45 | 24 |
| * | RFE091 | 91 | 19,5 | 34,9 | 35,5 | 36 | 54 | 32 | 70 | 74 | 50 | 27 |
| * | RFE115 | 115 | 22,2 | 39,7 | 40,3 | 41 | 61 | 36 | 80 | 89 | 57 | 32 |
| * | RFE150 | 150 | 25,4 | 44,5 | 45,1 | 47 | 68 | 40 | 90 | 91 | 65 | 34 |

* Note: available only on request







## STEMBALL TANG

High polished acid proof stainless steel

| ART. NO. | ROD Ø | DASH | D1 | D2 | D3 | L1 | L2 | R1 | BL/KG | PACK |
|---|---|---|---|---|---|---|---|---|---|---|
| ST000004 | 4 | 3 | 33 | *27 | 16 | ** | 21,5 | 0,3 | 1700 | BULK |
| ST000044 | 4,4 | 4 | 33 | *27 | 16 | ** | 21,5 | 0,3 | 2000 | BULK |
| ST000005 | 5 | 6 | 33 | *27 | 16 | ** | 21,5 | 0,3 | 2800 | BULK |
| ST000057 | 5,7 | 8 | 36 | *30 | 20 | ** | 23 | 0,3 | 3700 | BULK |
| ST000006 | 6 | 9 | 36 | *30 | 20 | ** | 23 | 0,3 | 4000 | BULK |
| ST000064 | 6,4 | 10 | 36 | *30 | 20 | ** | 23 | 0,3 | 4600 | BULK |
| ST000071 | 7,1 | 12 | 38 | *32 | 22 | ** | 26,5 | 0,3 | 5600 | BULK |
| ST000075 | 7,5 | 15 | 38 | *32 | 22 | ** | 26,5 | 0,3 | 6200 | BULK |
| ST000008 | 8 | 16 | 45 | *36 | 26 | ** | 30 | 0,3 | 7000 | BULK |
| ST000084 | 8,4 | 17 | 45 | *36 | 26 | ** | 30 | 0,3 | 7600 | BULK |
| ST000095 | 9,5 | 22 | 48 | *38 | 30 | ** | 32,5 | 0,3 | 10000 | BULK |
| ST000111 | 11,1 | 30 | 58 | *48 | 33 | ** | 34 | 0,3 | 13500 | BULK |
| ST000127 | 12,7 | 40 | 62 | *50 | 38 | ** | 35 | 0,6 | 16500 | BULK |
| ST000143 | 14,3 | 48 | 70 | *55 | 40 | ** | 36,5 | 0,6 | 20500 | BULK |
| ST000168 | 16,8 | 60 | 80 | *65 | 46 | ** | 41 | 0,6 | 28500 | BULK |

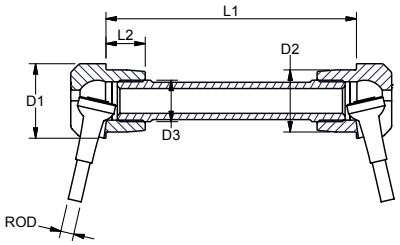
The user is responsible for choosing the proper rod diameter and for correct assembly

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

(D2) * Without sleeve for carbon masts

** Mast size

The stemball tang is delivered complete with two tangs, connecter rod and two stemballs. Each tang is designed to suit the specific mast width.





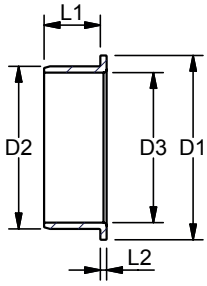

## SLEEVE FOR CARBON MASTS

Polished stainless steel - AISI 316

| ART. NO. | D1 | D2 | D3 | L1 | L2 | R | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|
| 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 | 2 | 0,5 | 3,8 | BULK |
| BC000095 | 49 | 42 | 38 | 15 | 2 | 0,5 | 4,1 | BULK |
| BC000111 | 59 | 52 | 48 | 18 | 2 | 0,5 | 5,9 | BULK |
| BC000127 | 63 | 54 | 50 | 23 | 2 | 0,5 | 7,7 | BULK |
| BC000143 | 71 | 59 | 55 | 23 | 2 | 0,5 | 9 | BULK |
| BC000168 | 81 | 69 | 65 | 23 | 2 | 0,5 | 10,5 | BULK |

D2: Tolerance +0/-0,1

Sleeve for the stemball tangs is used in carbon masts



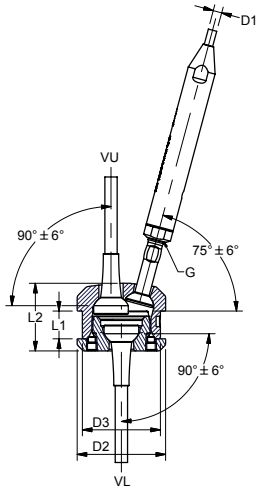
## SPREADER TIPCUP

High polished acid proof stainless steel

| ART. NO. | ART. NO. ONLY TIPCUP | G | VL | VU | D1 | D2 | D3 | L1 | L2 | ANGLE | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST716405 | SC6438071 | 3/8" | 7,1 | 6,4 | 5 | 48 | 42 | 23 | 42 | ± 6° | - | BULK |
| ST717105 | SC7138071 | 3/8" | 7,1 | 7,1 | 5 | 48 | 42 | 23 | 42 | ± 6° | - | BULK |
| ST757164 | SC7112075 | 1/2" | 7,5 | 7,1 | 6,4 | 64 | 56 | 28 | 54 | ± 6° | - | BULK |
| ST757571 | SC7512075 | 1/2" | 7,5 | 7,5 | 7,1 | 64 | 56 | 28 | 54 | ± 6° | - | BULK |
| ST847564 | SC7512084 | 1/2" | 8,4 | 7,5 | 6,4 | 64 | 56 | 28 | 54 | ± 6° | - | BULK |
| ST848471 | SC8412084 | 1/2" | 8,4 | 8,4 | 7,1 | 64 | 56 | 28 | 54 | ± 6° | - | BULK |
| ST958464 | SC8412095 | 1/2" | 9,5 | 8,4 | 6,4 | 64 | 56 | 28 | 54 | ± 6° | - | BULK |
| ST959571 | SC9512095 | 1/2" | 9,5 | 9,5 | 7,1 | 64 | 56 | 28 | 54 | ± 6° | - | BULK |
| ST119571 | SC9512111 | 1/2" | 11,1 | 9,5 | 7,1 | 70 | 60 | 30 | 58 | ± 6° | - | BULK |
| ST119584 | SC9558111 | 5/8" | 11,1 | 9,5 | 8,4 | 70 | 60 | 30 | 58 | ± 6° | - | BULK |
| ST121171 | SC1112127 | 1/2" | 12,7 | 11,1 | 7,1 | 75 | 65 | 35 | 66 | ± 6° | - | BULK |
| ST121184 | SC1158127 | 5/8" | 12,7 | 11,1 | 8,4 | 75 | 65 | 35 | 66 | ± 6° | - | BULK |
| ST141184 | SC1158143 | 5/8" | 14,3 | 11,1 | 8,4 | 80 | 74 | 35 | 68 | ± 6° | 253,8 | BULK |
| ST141295 | SC1234143 | 3/4" | 14,3 | 12,7 | 9,5 | 80 | 74 | 35 | 68 | ± 6° | - | BULK |
| ST161495 | SC1434168 | 3/4" | 16,8 | 14,3 | 9,5 | 90 | 78 | 40 | 83 | ± 6° | 388,2 | BULK |
| ST161411 | SC1478168 | 7/8" | 16,8 | 14,3 | 11,1 | 90 | 78 | 40 | 83 | ± 6° | - | BULK |

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

D3: Tolerance +0/-0,2






The stemball spreader tipcup is made from AISI 316L material and is mirror polished.
Supplied to customer needs either complete with stemballs and diagonal rigscrew or bare with no fittings.

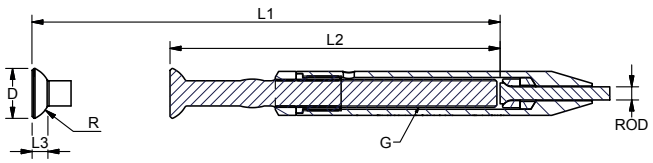
## MONO DIAGONAL RIGGING SCREW - MDR

Polished stainless steel - AISI 316

| ART. NO. | ROD Ø | DASH | G | D | R | L1 | L2 | L3 | BL/KG | PACK |
|---|---|---|---|---|---|---|---|---|---|---|
| MD038050 | 5 | 6 | 3/8" | 16,8 | 9 | 190 | 130 | 5,9 | 2850 | BULK |
| MD716057 | 5,7 | 8 | 7/16" | 19,8 | 11 | 205 | 140 | 7,2 | 3750 | BULK |
| MD012060 | 6 | 9 | 1/2" | 23,5 | 13 | 227 | 152 | 8 | 4000 | BULK |
| MD012064 | 6,4 | 10 | 1/2" | 23,5 | 13 | 227 | 152 | 8 | 4600 | BULK |
| MD012071 | 7,1 | 12 | 1/2" | 23,5 | 13 | 227 | 152 | 8 | 5700 | BULK |
| MD058075 | 7,5 | 15 | 5/8" | 27,8 | 15 | 277 | 187 | 9,5 | 6300 | BULK |
| MD058080 | 8 | 16 | 5/8" | 27,8 | 15 | 277 | 187 | 9,5 | 7100 | BULK |
| MD058084 | 8,4 | 17 | 5/8" | 27,8 | 15 | 277 | 187 | 9,5 | 7700 | BULK |
| MD034095 | 9,5 | 22 | 3/4" | 31,8 | 17 | 323 | 215 | 10,5 | 10000 | BULK |
| MD078111 | 11,1 | 30 | 7/8" | 35,9 | 20 | 379 | 249 | 11 | 13500 | BULK |
| MD100127 | 12,7 | 40 | 1" | 38,5 | 22 | 486 | 316 | 11 | 16500 | BULK |

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

Note: Break loads are determined by rod (SanRig 80)






A sleek and elegant diagonal turnbuckle and a favourable alternative to the Blue Wave standard chrome bronze turnbuckle. It features a thread alu bronze insert and an alu bronze cup to prevent the threaded stemball and the rod end from seizing.

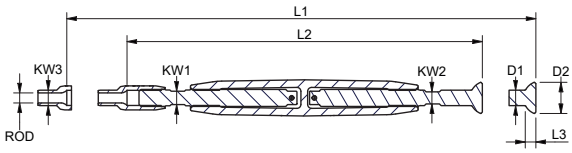


## RIGGING SCREW BALL/SOCKET UNF

Polished stainless steel - AISI 316 and chromed bronze body

| ART. NO. | ROD Ø | DASH | G | D1 | D2 | L1 | L2 | L3 | KW1 | KW2 | KW3 | BL/KG | PACK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RB516003 | 3 | 1 | 5/16" | 7,9 | 16,8 | 271 | 181 | 5,9 | 6 | 6 | 10 | 1000 | BULK |
| RB516004 | 4 | 3 | 5/16" | 7,9 | 16,8 | 271 | 181 | 5,9 | 6 | 6 | 10 | 1700 | BULK |
| RB038005 | 5 | 6 | 3/8" | 9,5 | 16,8 | 307 | 223 | 5,9 | 7 | 7 | 10,5 | 2850 | BULK |
| RB716005 | 5 | 6 | 7/16" | 11 | 19,7 | 357 | 267 | 6,4 | 8 | 9 | 11 | 2850 | BULK |
| RB716057 | 5,7 | 8 | 7/16" | 11 | 19,7 | 357 | 267 | 6,4 | 8 | 9 | 11 | 3750 | BULK |
| RB012057 | 5,7 | 8 | 1/2" | 12,7 | 23,2 | 396 | 290 | 7,2 | 10 | 11 | 11,5 | 3750 | BULK |
| RB716006 | 6 | 9 | 7/16" | 11 | 19,7 | 357 | 267 | 6,4 | 8 | 9 | 11 | 4000 | BULK |
| RB012006 | 6 | 9 | 1/2" | 12,7 | 23,2 | 396 | 290 | 7,2 | 10 | 11 | 11,5 | 4000 | BULK |
| RB012064 | 6,4 | 10 | 1/2" | 12,7 | 23,2 | 396 | 290 | 7,2 | 10 | 11 | 11,5 | 4600 | BULK |
| RB012071 | 7,1 | 12 | 1/2" | 12,7 | 23,2 | 396 | 290 | 7,2 | 10 | 11 | 11,5 | 5700 | BULK |
| RB058071 | 7,1 | 12 | 5/8" | 16 | 27,8 | 509 | 377 | 9 | 13 | 14 | 14,5 | 5700 | BULK |
| RB058075 | 7,5 | 15 | 5/8" | 16 | 27,8 | 509 | 377 | 9 | 13 | 14 | 14,5 | 6300 | BULK |
| RB058008 | 8 | 16 | 5/8" | 16 | 27,8 | 509 | 377 | 9 | 13 | 14 | 14,5 | 7100 | BULK |
| RB058084 | 8,4 | 17 | 5/8" | 16 | 27,8 | 509 | 377 | 9 | 13 | 14 | 14,5 | 7700 | BULK |
| RB034084 | 8,4 | 17 | 3/4" | 19 | 31,7 | 589 | 429 | 10 | 17 | 17 | 16,5 | 7700 | BULK |
| RB343484 | 8,4 | 17 | 3/4" | 19 | 31,7 | 546 | 377 | 10 | 17 | 17 | 16,5 | 7700 | BULK |
| RB034095 | 9,5 | 22 | 3/4" | 19 | 31,7 | 589 | 429 | 10 | 17 | 17 | 16,5 | 10000 | BULK |
| RB078111 | 11,1 | 30 | 7/8" | 20 | 35,9 | 610 | 425 | 11,4 | 19 | 17 | 19 | 13500 | BULK |
| RB001127 | 12,7 | 40 | 1" | 23 | 38,9 | 737 | 501 | 11,3 | 22 | 20 | 22,5 | 16500 | BULK |

Note: All break loads are determined by rod (SanRig 80)





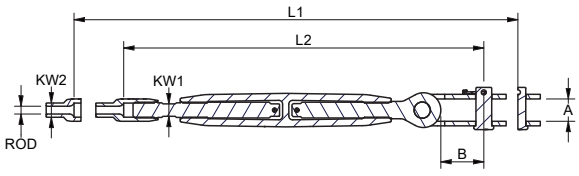

## RIGGING SCREW TOGGLE/SOCKET UNF

Polished stainless steel - AISI 316 and chromed bronze body

| ART. NO. | ROD Ø | DASH | G | A | B | L1 | L2 | PIN | KW1 | KW2 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RT516003 | 3 | 1 | 5/16" | 10 | 20 | 285 | 195 | 8 | 6 | 10 | BULK |
| RT516004 | 4 | 3 | 5/16" | 10 | 20 | 285 | 195 | 8 | 6 | 10 | BULK |
| RT038005 | 5 | 6 | 3/8" | 12 | 26 | 313 | 230 | 9,5 | 7 | 10,5 | BULK |
| RT716005 | 5 | 6 | 7/16" | 15 | 28 | 349 | 259 | 11 | 8 | 11 | BULK |
| RT716057 | 5,7 | 8 | 7/16" | 15 | 28 | 349 | 259 | 11 | 8 | 11 | BULK |
| RT012057 | 5,7 | 8 | 1/2" | 18 | 35 | 386 | 280 | 12,7 | 10 | 11,5 | BULK |
| RT716006 | 6 | 9 | 7/16" | 15 | 28 | 349 | 259 | 11 | 8 | 11 | BULK |
| RT012006 | 6 | 9 | 1/2" | 18 | 35 | 386 | 280 | 12,7 | 10 | 11,5 | BULK |
| RT012064 | 6,4 | 10 | 1/2" | 18 | 35 | 386 | 280 | 12,7 | 10 | 11,5 | BULK |
| RT012071 | 7,1 | 12 | 1/2" | 18 | 35 | 386 | 280 | 12,7 | 10 | 11,5 | BULK |
| RT058071 | 7,1 | 12 | 5/8" | 20 | 41 | 511 | 379 | 16 | 13 | 14,5 | BULK |
| RT058075 | 7,5 | 15 | 5/8" | 20 | 41 | 511 | 379 | 16 | 13 | 14,5 | BULK |
| RT058008 | 8 | 16 | 5/8" | 20 | 41 | 511 | 379 | 16 | 13 | 14,5 | BULK |
| RT058084 | 8,4 | 17 | 5/8" | 20 | 41 | 511 | 379 | 16 | 13 | 14,5 | BULK |
| RT034084 | 8,4 | 17 | 3/4" | 24 | 45 | 577 | 417 | 19 | 17 | 16,5 | BULK |
| RT034095 | 9,5 | 22 | 3/4" | 24 | 45 | 577 | 417 | 19 | 17 | 16,5 | BULK |
| RT078111 | 11,1 | 30 | 7/8" | 26 | 49 | 683 | 469 | 22 | 19 | 19 | BULK |
| RT078127 | 12,7 | 40 | 7/8" | 26 | 49 | 678 | 484 | 22 | 22 | 21 | BULK |
| RT001127 | 12,7 | 40 | 1" | 29 | 59 | 824 | 562 | 25,4 | 22 | 22,5 | BULK |

Note: All break loads are determined by rod (SanRig 80)

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

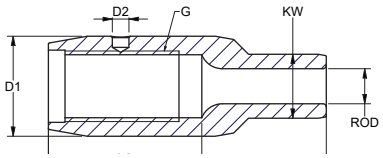


## SOCKET FOR ROD

Polished stainless steel - AISI 316

| ART. NO. | ROD Ø | DASH | G | D1 | D2 | L1 | L2 | KW | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|
| SO516003 | 3 | 1 | 5/16" | 13 | 3 | 39 | 19,7 | 10 | 2,8 | BULK |
| SO516004 | 4 | 3 | 5/16" | 13 | 3 | 39 | 19,7 | 10 | 2,7 | BULK |
| SO038004 | 4 | 3 | 3/8" | 13 | 3 | 44 | 19,7 | 10,5 | 3,3 | BULK |
| SO516044 | 4,4 | 4 | 5/16" | 13 | 3 | 39 | 19,7 | 10 | 2,7 | BULK |
| SO038044 | 4,4 | 4 | 3/8" | 14 | 3 | 44 | 22,8 | 10,5 | 3,3 | BULK |
| SO038005 | 5 | 6 | 3/8" | 14 | 3 | 44 | 22,8 | 10,5 | 3,2 | BULK |
| SO716044 | 4,4 | 4 | 7/16" | 16 | 3 | 45 | 24,3 | 11 | 4,2 | BULK |
| SO716005 | 5 | 6 | 7/16" | 16 | 3 | 45 | 24 | 11 | 4,1 | BULK |
| SO716057 | 5,7 | 8 | 7/16" | 16 | 3 | 45 | 25,1 | 11 | 4 | BULK |
| SO012057 | 5,7 | 8 | 1/2" | 18 | 3 | 50 | 27,59 | 11,5 | 5,4 | BULK |
| SO716006 | 6 | 9 | 7/16" | 16 | 3 | 45 | 27,7 | 11 | 3,9 | BULK |
| SO012006 | 6 | 9 | 1/2" | 18 | 3 | 50 | 27,59 | 11,5 | 5,4 | BULK |
| SO012064 | 6,4 | 10 | 1/2" | 18 | 3 | 50 | 28,24 | 11,5 | 5,3 | BULK |
| SO012071 | 7,1 | 12 | 1/2" | 18 | 3 | 50 | 28,8 | 11,5 | 5,1 | BULK |
| SO058071 | 7,1 | 12 | 5/8" | 22 | 4 | 58 | 34 | 14,5 | 9,4 | BULK |
| SO058075 | 7,5 | 15 | 5/8" | 22 | 4 | 58 | 33,62 | 14,5 | 9,3 | BULK |
| SO058008 | 8 | 16 | 5/8" | 22 | 4 | 58 | 34,22 | 14,5 | 9,1 | BULK |
| SO058084 | 8,4 | 17 | 5/8" | 22 | 4 | 58 | 34,86 | 14,5 | 9 | BULK |
| SO034084 | 8,4 | 17 | 3/4" | 26 | 4 | 70 | 40,52 | 16,5 | 15 | BULK |
| SO034095 | 9,5 | 22 | 3/4" | 26 | 4 | 70 | 41,3 | 16,5 | 14,5 | BULK |
| SO078111 | 11,1 | 30 | 7/8" | 30 | 4 | 80 | 45,13 | 19 | 22,1 | BULK |
| SO100127 | 12,7 | 40 | 1" | 35 | 4 | 94 | 52,69 | 22,5 | 36,6 | BULK |
| SO118143 | 14,3 | 48 | 1 1/8" | 40 | 5 | 105 | 61 | 26 | 54 | BULK |
| SO138168 | 16,8 | 60 | 1 3/4" | 48 | 5 | 120 | 68 | 30 | 85 | BULK |



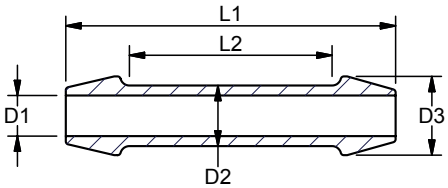



## SPREADER BEND FOR ROD

Polished stainless steel - AISI 316

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



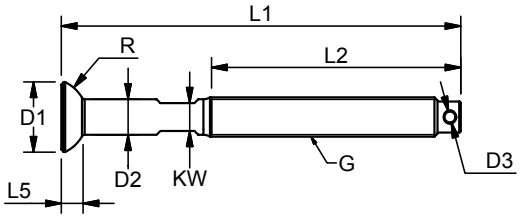




## THREADED BALL FOR TIPCUP

Polished stainless steel - AISI 316

| ART. NO. | LEFT G | D1 | D2 | D3 | L1 | L2 | L5 | KW | R | BL/KG | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BT014000 | 1/4" | 13 | 6,35 | 2,2 | 80 | 47 | 4,5 | 5 | 5 | 1300 | 3,9 | BULK |
| BT516000 | 5/16" | 16,8 | 8,5 | 2,8 | 92 | 57 | 6 | 7 | 9 | 2200 | 4,2 | BULK |
| BT038000 | 3/8" | 16,8 | 8,5 | 2,8 | 101 | 63 | 5,7 | 7 | 9 | 3400 | 5,6 | BULK |
| BT716000 | 7/16" | 19,8 | 10 | 3,5 | 111 | 70 | 7,5 | 9 | 11 | 4600 | 8 | BULK |
| BT012000 | 1/2" | 23,2 | 11,5 | 3,5 | 129 | 80 | 7,5 | 11 | 12,5 | 6100 | 12,2 | BULK |
| BT058000 | 5/8" | 27,8 | 14 | 4,3 | 154 | 100 | 9 | 14 | 15 | 9900 | 23,4 | BULK |
| BT034000 | 3/4" | 31,8 | 17 | 4,5 | 178 | 120 | 10 | 17 | 17,5 | 14400 | 38,4 | BULK |
| BT078000 | 7/8" | 35,9 | 20 | 5,5 | 200 | 140 | 10,5 | 17 | 20 | 19600 | 60,7 | BULK |
| BT100000 | 1" | 38,9 | 23 | 5,5 | 235 | 170 | 10,5 | 20 | 22 | 20000 | 92,9 | BULK |

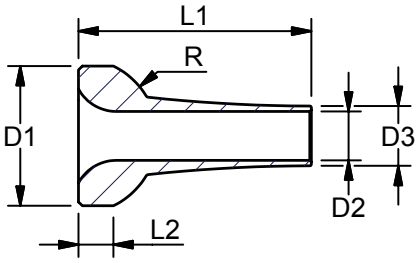





## STEMBALL FOR ROD

Polished stainless steel - AISI 316

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

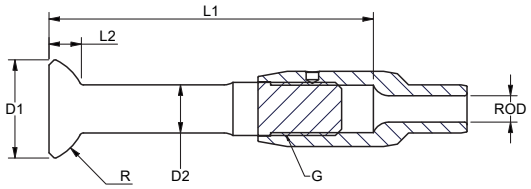


## BALL TERMINAL FOR ROD

Polished stainless steel - AISI 316

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



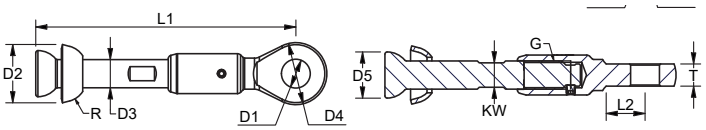



## BALL EYE

Polished stainless steel - AISI 316

| ART. NO. | WIRE | D1 | D2 | D3 | D4 | D5 | G | L1 | L2 | T | R | KW | BL/KG | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BE9526 | 5 - 6 | 9,8 | 26 | 9,5 | 22 | 20,8 | 3/8" | 100 | 16 | 6 | 10 | 8 | 3400 | 10,6 | 10 |
| BE1126 | 6 - 7 | 11,5 | 26 | 11,1 | 24 | 20,8 | 7/16" | 111 | 17 | 8 | 10 | 9 | 4600 | 14,3 | 10 |
| BE1326 | 7 - 8 | 13 | 26 | 12,7 | 28 | 20,8 | 1/2" | 117 | 19 | 10 | 10 | 11 | 6100 | 19,2 | 10 |
| BE1634 | 8 | 16,5 | 34 | 15,9 | 36 | 28,5 | 5/8" | 144 | 21,0 | 12 | 13 | 14 | 9900 | 37 | 10 |



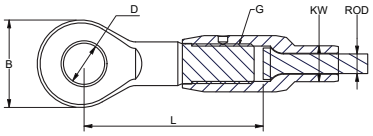


## EYE TERMINAL FOR ROD

Polished stainless steel - AISI 316



| ART. NO. | ROD Ø | DASH | G | B | D1 | T | L | KW | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|
| EY516004M | 4 | 3 | 5/16" | 17 | 8,5 | 5 | 34 | 10 | 3,6 | BULK |
| EY038005M | 5 | 6 | 3/8" | 22 | 10,2 | 6 | 50 | 10,5 | 6,3 | BULK |
| EY716005M | 5 | 6 | 7/16" | 24 | 11,5 | 8 | 46 | 11 | 8,3 | BULK |
| EY716057M | 5,7 | 8 | 7/16" | 24 | 11,5 | 8 | 46 | 11 | 8,3 | BULK |
| EY012057M | 5,7 | 8 | 1/2" | 28 | 13,2 | 10 | 56 | 11,5 | 12,5 | BULK |
| EY716006M | 6 | 9 | 7/16" | 24 | 11,5 | 8 | 46 | 11 | 8,3 | BULK |
| EY012006M | 6 | 9 | 1/2" | 28 | 13,2 | 10 | 56 | 11,5 | 12,5 | BULK |
| EY012064M | 6,4 | 10 | 1/2" | 28 | 13,2 | 10 | 56 | 11,5 | 12,5 | BULK |
| EY012071M | 7,1 | 12 | 1/2" | 28 | 13,2 | 10 | 56 | 11,5 | 12,4 | BULK |
| EY058071M | 7,1 | 12 | 5/8" | 36 | 16,5 | 12 | 70 | 14,5 | 24,4 | BULK |
| EY058075M | 7,5 | 15 | 5/8" | 36 | 16,5 | 12 | 70 | 14,5 | 24,4 | BULK |
| EY058008M | 8 | 16 | 5/8" | 36 | 16,5 | 12 | 70 | 14,5 | 24,6 | BULK |
| EY058084M | 8,4 | 17 | 5/8" | 36 | 16,5 | 12 | 70 | 14,5 | 24,3 | BULK |
| EY034084M | 8,4 | 17 | 3/4" | 41 | 19,5 | 16 | 79 | 16,5 | 38,1 | BULK |
| EY034095M | 9,5 | 22 | 3/4" | 41 | 19,5 | 16 | 79 | 16,5 | 37,9 | BULK |
| EY078111M | 11,1 | 30 | 7/8" | 47 | 23 | 18 | 92 | 19 | 57,1 | BULK |
| EY100127M | 12,7 | 40 | 1" | 52 | 26 | 20 | 101 | 22,5 | 83,1 | BULK |
| EY118143M | 14,3 | 48 | 1 1/8" | 62 | 28,5 | 24 | 112 | 26 | 127,8 | BULK |
| EY138168M | 16,8 | 60 | 1 3/8" | 68 | 32,5 | 30 | 125 | 30 | 212,7 | BULK |




## TOGGLE TERMINAL FOR ROD

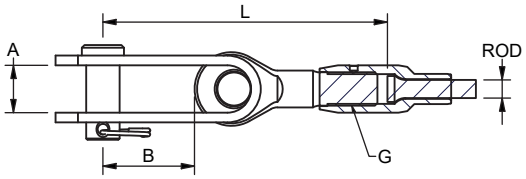
Polished stainless steel - AISI 316



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



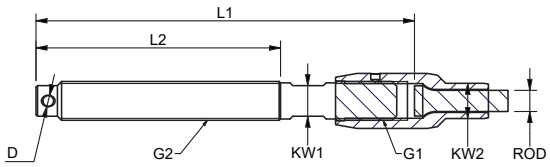
## THREAD STUD TERMINAL FOR ROD

Polished stainless steel - AISI 316

| ART. NO. RIGHT | ART. NO. LEFT | ROD Ø | DASH | G1 | G2 | D | KW1 | KW2 | L1 | L2 | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SR516003M | SL516003M | 3 | 1 | 5/16" | 5/16" | 2,2 | 6 | 10 | 84 | 57 | 4,5 | BULK |
| SR516004M | SL516004M | 4 | 3 | 5/16" | 5/16" | 2,2 | 6 | 10 | 84 | 57 | 4,5 | BULK |
| SR038004M | SL038004M | 4 | 3 | 3/8" | 3/8" | 2,2 | 7 | 10,5 | 93 | 63 | 8,6 | BULK |
| SR038044M | SL038044M | 4,6 | 4 | 3/8" | 3/8" | 2,8 | 7 | 10,5 | 92 | 62 | 7,7 | BULK |
| SR038005M | SL038005M | 5 | 6 | 3/8" | 3/8" | 2,2 | 7 | 10,5 | 93 | 63 | 8,6 | BULK |
| SR716005M | SL716005M | 5 | 6 | 7/16" | 7/16" | 2,2 | 8 | 11 | 103 | 70 | 9,6 | BULK |
| SR716057M | SL716057M | 5,7 | 8 | 7/16" | 7/16" | 2,2 | 8 | 11 | 103 | 70 | 9,6 | BULK |
| SR012057M | SL012057M | 5,7 | 8 | 1/2" | 1/2" | 2,8 | 10 | 11,5 | 119 | 80 | 14,3 | BULK |
| SR716006M | SL716006M | 6 | 9 | 7/16" | 7/16" | 2,2 | 8 | 11 | 103 | 70 | 9,6 | BULK |
| SR012006M | SL012006M | 6 | 9 | 1/2" | 1/2" | 2,8 | 10 | 11,5 | 119 | 80 | 14,3 | BULK |
| SR012064M | SL012064M | 6,4 | 10 | 1/2" | 1/2" | 2,8 | 10 | 11,5 | 119 | 80 | 14,3 | BULK |
| SR012071M | SL012071M | 7,1 | 12 | 1/2" | 1/2" | 2,8 | 10 | 11,5 | 119 | 80 | 14,2 | BULK |
| SR058071M | SL058071M | 7,1 | 12 | 5/8" | 5/8" | 3,5 | 13 | 14,5 | 146 | 100 | 27,8 | BULK |
| SR058075M | SL058075M | 7,5 | 15 | 5/8" | 5/8" | 3,5 | 13 | 14,5 | 146 | 100 | 27,8 | BULK |
| SR058008M | SL058008M | 8 | 16 | 5/8" | 5/8" | 3,5 | 13 | 14,5 | 146 | 100 | 28 | BULK |
| SR058084M | SL058084M | 8,4 | 17 | 5/8" | 5/8" | 3,5 | 13 | 14,5 | 146 | 100 | 27,7 | BULK |
| SR034084M | SL034084M | 8,4 | 17 | 3/4" | 5/8" | 3,5 | 17 | 16,5 | 171 | 120 | 43,1 | BULK |
| SR343484M | SL343484M | 8,4 | 17 | 3/4" | 3/4" | 3,5 | 17 | 16,5 | 176 | 120 | 46,3 | BULK |
| SR034095M | SL034095M | 9,5 | 22 | 3/4" | 3/4" | 3,5 | 17 | 16,5 | 176 | 120 | 46,1 | BULK |
| SR078111M | SL078111M | 11,1 | 30 | 7/8" | 7/8" | 3,5 | 19 | 19 | 191 | 140 | 69 | BULK |
| SR100127M | SL100127M | 12,7 | 40 | 1" | 1" | 3,5 | 22 | 22,5 | 241 | 170 | 114,3 | BULK |
| SR118143M | SL118143M | 14,3 | 48 | 1 1/8" | 1 1/8" | 5,5 | 25 | 26 | 260 | 180 | 183,8 | BULK |
| SR138168M | SL138168M | 16,8 | 60 | 1 3/8" | 1 3/8" | 6,5 | 30 | 30 | 293 | 203 | 277,8 | BULK |

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



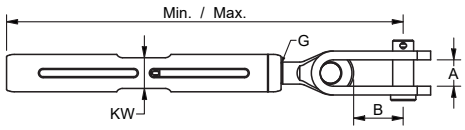



## APEX RIGGING SCREW TOGGLE/BLANK

Polished stainless steel - AISI 316 with bronze inserts

| ART. NO. | G | PIN | A | B | MIN - MAX | KW | BL/KG | KG/100 |
|---|---|---|---|---|---|---|---|---|
| 240006AS | 1/4" | 6,4 | 8 | 17 | 143 - 171 | 11 | 1300 | 10,4 |
| 240008AS | 5/16" | 8 | 10 | 20 | 171 - 207 | 13 | 2200 | 16,9 |
| 240010AS | 3/8" | 9,5 | 12 | 27 | 203 - 241 | 15 | 3400 | 30,1 |
| 240011AXS | 7/16" | 11 | 15 | 30 | 222 - 266 | 16 | 4600 | 45,7 |
| 240012AXS | 1/2" | 12,7 | 18 | 35 | 245 - 297 | 18 | 6100 | 58,4 |
| 240016AXS | 5/8" | 15,7 | 20 | 40 | 310 - 378 | 22 | 9900 | 111,4 |
| 240020AXS | 3/4" | 19 | 24 | 45 | 386 - 467 | 28 | 14400 | 204,6 |
| 240022AXS | 7/8" | 22 | 26 | 49 | 435 - 529 | 31 | 19600 | 321,7 |
| 240025AXS | 1" | 25,4 | 29 | 56 | 514 - 633 | 33 | 21400 | 480,5 |
| 240027AXS | 1 1/8" | 28 | 34 | 62 | 542 - 666 | 39 | 27600 | 615,7 |
| 240030AXS | 1 1/4" | 32 | 40 | 73 | 604 - 739 | 42 | 34600 | 890,7 |
| 240036AXS | 1 3/8" | 35 | 44 | 81 | 660 - 811 | 45 | 42400 | 1116,6 |
| 240042AXS | 1 5/8" | 40 | 48 | 99 | 810 - 1006 | 55 | 63200 | 1724 |







## T TERMINAL FOR ROD

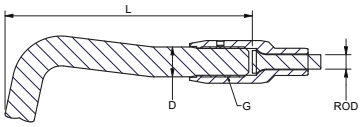
Polished stainless steel - AISI 316

| | | | | | | | | | | Fits back plates: | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ART. NO. | ROD Ø | DASH | G | D | L | KW | KG/100 | PACK | BW | Navtec | Swedish BP |
| TT516044M | 4,4 | 4 | 5/16" | 9 | 78,06 | 10 | 6,6 | BULK | 616105 | 740-4 | - |
| TT716005M* | 5 | 6 | 7/16" | 12,58 | 106,5 | 11 | 15,1 | BULK | 616107 | 740-7 | - |
| TT716057M* | 5,7 | 8 | 7/16" | 12,58 | 106,5 | 11 | 15,1 | BULK | 616107 | 740-7 | - |
| TT012057M* | 5,7 | 8 | 1/2" | 12,58 | 106,5 | 11,5 | 17,3 | BULK | 616107 | 740-7 | - |
| TT716006M* | 6 | 9 | 7/16" | 12,58 | 106,5 | 11 | 15,1 | BULK | 616107 | 740-7 | - |
| TT012006M* | 6 | 9 | 1/2" | 12,58 | 106,5 | 11,5 | 17,3 | BULK | 616107 | 740-7 | - |
| TT012064M* | 6,4 | 10 | 1/2" | 12,58 | 106,5 | 11,5 | 17,3 | BULK | 616107 | 740-7 | - |
| TT012071M* | 7,1 | 12 | 1/2" | 14,2 | 116,5 | 11,5 | 20,7 | BULK | 616107 | 740-7 | - |
| TT058071M** | 7,1 | 12 | 5/8" | 16 | 141,5 | 14,5 | 34 | BULK | 616110 | 740-10 | 507-583 |
| TT058075M** | 7,5 | 15 | 5/8" | 16 | 141,5 | 14,5 | 34 | BULK | 616110 | 740-10 | 507-583 |
| TT058008M** | 8 | 16 | 5/8" | 17,8 | 156,5 | 14,5 | 41,7 | BULK | 616110 | 740-10 | 507-583 |
| TT058084M** | 8,4 | 17 | 5/8" | 17,8 | 156,5 | 14,5 | 41,7 | BULK | 616110 | 740-10 | 507-583 |

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 23

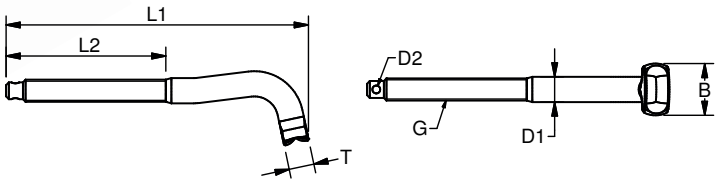





## THREADED T-TERMINAL

Polished stainless steel - AISI 316

| | | | | | | | | | | | Fits backing plates: | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ART. NO. | LEFT G | B | T | D1 | D2 | L1 | L2 | BL/KG | KG/100 | PACK | BW | Navtec | Swedish BP |
| 036106A | 1/4" | 13,5 | 6,35 | 6,35 | 2,2 | 84 | 48 | 1300 | 2,4 | 20 | 616103 | 740-3 | 507-553 |
| 036108A | 5/16" | 18,5 | 9 | 9 | 2,8 | 108 | 57 | 2200 | 5,5 | 20 | 616105 | 740-4 | 507-551 |
| 036110A | 3/8" | 27,5 | 12,6 | 12,6 | 2,8 | 131 | 63 | 3400 | 12,3 | 20 | 616107 | 740-7 | 507-552 |
| 036111A | 7/16" | 27,5 | 12,6 | 12,6 | 3,5 | 131 | 68 | 4600 | 13,6 | 10 | 616107 | 740-7 | 507-552 |
| 036112A | 1/2" | 29 | 14,2 | 14,2 | 3,5 | 142 | 80 | 6100 | 18,4 | 10 | 616107 | 740-7 | - |
| 036116A | 5/8" | 35,5 | 17,8 | 17,8 | 4,5 | 194 | 101 | 9900 | 40,1 | 10 | 616110 | 740-10 | 507-583 |



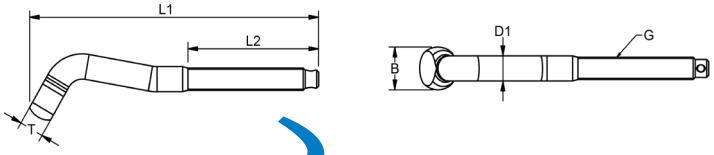



## THREADED SHROUD TERMINALS

Polished stainless steel - AISI 316

| | | | | | | | | | | Fits back plates: | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ART. NO. | LH G | D1 | B | T | L1 | L2 | BL/KG | KG/100 | PACK | BW | Navtec |
| SH036106A | 1/4" | 6,35 | 13,5 | 6,35 | 95 | 48 | 1300 | 2,8 | 20 | 616103 | - |
| SH036108A | 5/16" | 9 | 18,4 | 9 | 114 | 57 | 2200 | 6,1 | 20 | 616105 | - |
| SH036110A | 3/8" | 12,58 | 21,5 | 12,58 | 160 | 63 | 3400 | 15,1 | 20 | SH6106 | N841-M06 |
| SH036111A | 7/16" | 12,58 | 21,5 | 12,58 | 165 | 68 | 4600 | 16,8 | 20 | SH6106 | N841-M06 |
| SH036112A | 1/2" | 14,2 | 28 | 14,2 | 162 | 80 | 6100 | 22,6 | 20 | SH6107 | N841-M07 |
| SH036116A | 5/8" | 16 | 29 | 16 | 189 | 100 | 8000 | 34,9 | 10 | SH6107 | N841-M08 |
| SH036116AX | 5/8" | 17,8 | 32 | 17,8 | 197 | 100 | 9900 | 42,6 | 10 | SH6110 | N841-M10 |
| SH036120A | 3/4" | 21,4 | 38 | 21,4 | 277 | 120 | 14400 | 82,7 | 10 | SH6112 | N841-M12 |

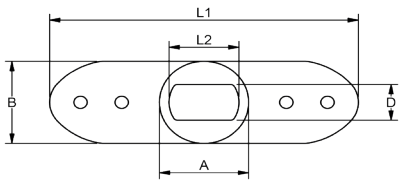
The user is responsible for choosing the proper cable diamter and for correct assembly



## BACK PLATE FOR SHROUD TERMINALS

Polished stainless steel - AISI 316

| ART. NO. | WIRE | A | B | D | L1 | L2 | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|
| 616105US | 5 | 27,2 X 17,2 | 25 | 13 | 66 | 23 | 2,5 | 20 |
| SH6106 | 6 | 30 | 30 | 13,5 | 95,5 | 24,5 | 5 | 20 |
| SH6107 | 7-8 | 39,5 | 38 | 17 | 120 | 31 | 12,4 | 20 |
| SH6110 | 10 | 44 | 43,5 | 19,5 | 150 | 34 | 32 | 10 |
| SH6112 | 12 | 51,5 | 51 | 22,5 | 177 | 40 | 47 | 10 |



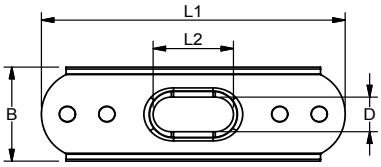



For Blue Wave shroud terminals.

## BACK PLATES FOR T TERMINALS

Polished stainless steel - AISI 316

| ART. NO. | WIRE | | ROD | B | D | L1 | L2 | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|
| 616103 | 2 - 3 | - | - | 15 | 7 | 50 | 14 | 0,5 | 20 |
| 616105 | 4 - 5 | - | - | 26 | 9,5 | 88 | 26 | 3,5 | 20 |
| 616105US | 5 | 3/16" | - | 26 | 13 | 66 | 23 | 2,8 | 20 |
| 616107 | 6 - 7 | - | 5-7,1 | 40 | 15 | 123 | 32 | 9 | 20 |
| 616110 | 8 - 10 | - | 7,1-8,4 | 38 | 19 | 151 | 41 | 23 | 10 |






For Blue Wave T terminals.

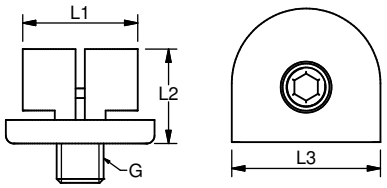
## PLUGS FOR T BACK PLATES

POM - polyacetal / AISI 316

| ART. NO. BULK | ART. NO. RETAIL PACK | BACK PLATE | G | L1 | L2 | L3 | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|
| PLUG0203 | PLUG0203P2 | 616103 | M5 | 7,4 | 8,5 | 10 | 0,2 | 2 |
| PLUG0405 | PLUG0405P2 | 616105 | M6 | 9,6 | 12 | 13 | 0,4 | 2 |
| PLUG0607 | PLUG0607P2 | 616107 | M6 | 14,7 | 12 | 19 | 0,5 | 2 |
| PLUG0810 | PLUG0810P2 | 616110 | M8 | 19 | 21 | 25 | 1,3 | 2 |
| SD-PLUG03 | SD-PLUG03P2 | 507-553 | M5 | 7,3 | 8,5 | 10 | 0,2 | 2 |
| SD-PLUG04 | SD-PLUG04P2 | 507-551 | M5 | 9,4 | 8,5 | 13 | 0,2 | 2 |
| SD-PLUG05 | SD-PLUG05P2 | 507-552 | M6 | 11,8 | 12 | 15 | 0,3 | 2 |
| SD-PLUG06 | SD-PLUG06P2 | 507-554 | M6 | 13,8 | 12 | 19 | 0,3 | 2 |
| SD-PLUG07 | SD-PLUG07P2 | 507-601 | M6 | 15,7 | 12 | 20 | 0,4 | 2 |
| SD-PLUG08 | SD-PLUG08P2 | 507-582 | M6 | 17,3 | 21 | 23 | 1,1 | 2 |



Fits above the T terminal in the backing plate. Locks with an allen key.




**Community Design Registration 2012**
design reg. -003387497-0001



# FURLER REPLACEMENT FITTINGS FOR ROD

The furler rod system features a two part seat socket and can be fitted onto a rod with head already formed. Available with eye, stud and toggle.





## FURLER EYE TERMINAL FOR ROD

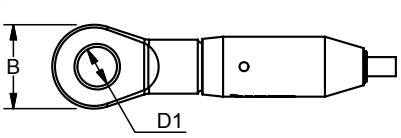
Polished acid proof stainless steel

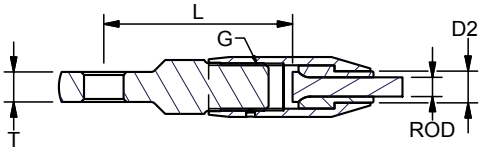
| ART. NO. | ROD Ø | DASH | G | L | B | D1 | D2 | T | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|
| FSX58060 | 6 | 9 | 5/8" | 55 | 24 | 11,5 | 10,6 | 8 | 14,8 | PACK |
| FS058060 | 6 | 9 | 5/8" | 62 | 28 | 13,2 | 10,6 | 10 | 17,8 | BULK |
| FS058064 | 6,4 | 10 | 5/8" | 62 | 28 | 13,2 | 10,6 | 10 | 17,8 | BULK |
| FSX34071 | 7,1 | 12 | 3/4" | 67 | 28 | 13,2 | 14 | 10 | 27 | BULK |
| FS034071 | 7,1 | 12 | 3/4" | 73,5 | 36 | 16,5 | 14 | 12 | 32 | BULK |
| FS034075 | 7,5 | 15 | 3/4" | 73,5 | 36 | 16,5 | 14 | 12 | 31,6 | BULK |
| FS034080 | 8 | 16 | 3/4" | 73,5 | 36 | 16,5 | 14 | 12 | 31,5 | BULK |
| FS034084 | 8,4 | 17 | 3/4" | 73,5 | 36 | 16,5 | 14 | 12 | 31,3 | BULK |
| FSX34084 | 8,4 | 17 | 3/4" | 83 | 41 | 19,5 | 14 | 16 | 40,2 | BULK |
| FS100095 | 9,5 | 22 | 1" | 92 | 41 | 19,5 | 19 | 16 | 64,6 | BULK |
| FSX10111 | 11,1 | 30 | 1" | 92 | 41 | 19,5 | 19 | 16 | 64,2 | BULK |
| FS100111 | 11,1 | 30 | 1" | 96 | 47 | 23,0 | 19 | 18 | 71,3 | BULK |

Also available as toggle version

Note: Break loads are determined by rod

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

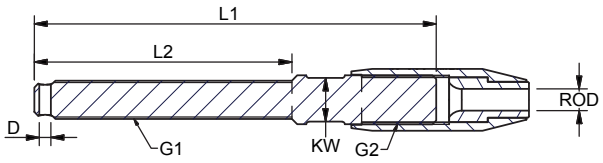


## FURLER THREAD TERMINAL

Polished stainless steel - AISI 316

| ART. NO. | ROD Ø | DASH | G1 | G2 | D | KW | L1 | L2 | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|
| FSSR1264 | 6,4 | 10 | 1/2" | 5/8" | 3,5 | 13 | 122 | 80 | 20,9 | BULK |
| FSSR5875 | 7,5 | 15 | 5/8" | 3/4" | 4,5 | 17 | 156 | 100 | 39,7 | BULK |
| FSSR5884 | 8,4 | 17 | 5/8" | 3/4" | 4,5 | 17 | 156 | 100 | 39,3 | BULK |
| FSSR3495 | 9,5 | 22 | 3/4" | 1" | 4,5 | 22 | 187 | 120 | 79,8 | BULK |
| FSSR7811 | 11,1 | 30 | 7/8" | 1" | 5,5 | 22 | 205 | 140 | 94,4 | BULK |



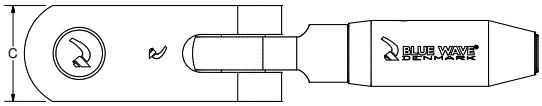


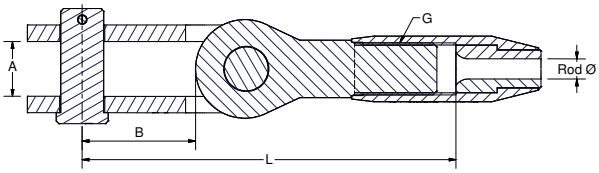

## FURLER TOGGLE

Polished stainless steel - AISI 316

| ART. NO. | ROD Ø | DASH | G | PIN | A | B | C | L | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|
| FT011060 | 6 | 9 | 5/8" | 11,1 | 15 | 31 | 30 | 100 | 30,8 | BULK |
| FT012060 | 6 | 9 | 5/8" | 12,7 | 18 | 34 | 30 | 113 | 36,7 | BULK |
| FT012064 | 6,4 | 10 | 5/8" | 12,7 | 18 | 34 | 30 | 113 | 36,7 | BULK |
| FT012071 | 7,1 | 12 | 3/4" | 12,7 | 18 | 35 | 30 | 117 | 46,2 | BULK |
| FT058071 | 7,1 | 12 | 3/4" | 15,9 | 20 | 41 | 35 | 136 | 68,9 | BULK |
| FT058075 | 7,5 | 15 | 3/4" | 15,9 | 20 | 41 | 35 | 136 | 68,9 | BULK |
| FT058080 | 8 | 16 | 3/4" | 15,9 | 20 | 41 | 35 | 136 | 68,8 | BULK |
| FT058084 | 8,4 | 17 | 3/4" | 15,9 | 20 | 41 | 35 | 136 | 68,7 | BULK |
| FT034095 | 9,5 | 22 | 1" | 19 | 24 | 45 | 40 | 162 | 128,2 | BULK |
| FT034111 | 11,1 | 30 | 1" | 19 | 24 | 45 | 40 | 162 | 127,8 | BULK |
| FT078111 | 11,1 | 30 | 1" | 22,2 | 26 | 47 | 50 | 172 | 165,5 | BULK |





# TOGGLES

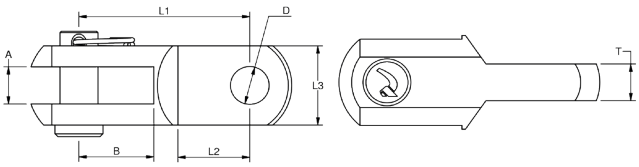


## MACHINED TOGGLES

Polished stainless steel - AISI 316



| ART. NO. | PIN | A | B | D | T | L1 | L2 | L3 | BL/KG | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 140606M | 6,35 | 6,35 | 13 | 6,6 | 5,5 | 28 | 11 | 12 | 1300 | 1,9 | BULK |
| 140808M | 8 | 7,9 | 16 | 8,1 | 7 | 34,5 | 13 | 16 | 2600 | 4,3 | BULK |
| 140909M | 9,5 | 9,5 | 19 | 9,7 | 9 | 41,5 | 17 | 19 | 3500 | 7,1 | BULK |
| 141111M | 11 | 11,1 | 22 | 11,3 | 9,5 | 48,5 | 19 | 23 | 4100 | 12,8 | BULK |
| 141313M | 12,7 | 12,7 | 25 | 12,9 | 12,5 | 57 | 24 | 27 | 6200 | 21,1 | BULK |
| 141616M | 16 | 15,8 | 32 | 16,3 | 13,5 | 70 | 28 | 33 | 9800 | 35,2 | BULK |
| 141919M | 19 | 19 | 38 | 19,3 | 18 | 89 | 39 | 42 | 13000 | 74,7 | BULK |
| 142222M | 22 | 22,2 | 44 | 22,5 | 21 | 99 | 41 | 48 | 17000 | 108,2 | BULK |
| 142525M | 25,4 | 25,4 | 51 | 25,8 | 24 | 112 | 44 | 53 | 24000 | 157 | BULK |
| 142828M | 28 | 28 | 59 | 28,5 | 27 | 130 | 48 | 59 | 30000 | 271,4 | BULK |
| 143232M | 32 | 32 | 64 | 33 | 31 | 142 | 53 | 65 | 38000 | 367,8 | BULK |



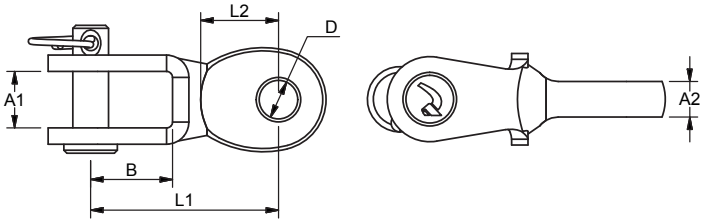

## TOGGLES WITH EYE

Polished stainless steel - AISI 316



| ART. NO. | PIN | A1 | A2 | B | D | L1 | L2 | BL/KG | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|
| 140506 | 5 | 7,5 | 5 | 12 | 5,5 | 26 | 9 | 1300 | 1,8 | 25 |
| 140608 | 6 | 9,5 | 6 | 13 | 6,5 | 32 | 10 | 1800 | 3 | 10 |
| 140810 | 8 | 11 | 8 | 15 | 8,5 | 36 | 12 | 3200 | 5,5 | 10 |
| 141011 | 9,5 | 12,5 | 9 | 19 | 10 | 45 | 16 | 3500 | 7,2 | 10 |
| 141111 | 11 | 12 | 9 | 23 | 11,5 | 51 | 17 | 5200 | 12,1 | 10 |
| 141214 | 12 | 14 | 10 | 25 | 13 | 59 | 23 | 5900 | 14,5 | 10 |
| 141414 | 14 | 22 | 14 | 30 | 14,5 | 78 | 28 | 7500 | 28 | 10 |
| 141616 | 16 | 22 | 16 | 30 | 16,5 | 84 | 30 | 9400 | 47,7 | 10 |

Note: All break loads are determined by clevis pin






BLUE WAVE®

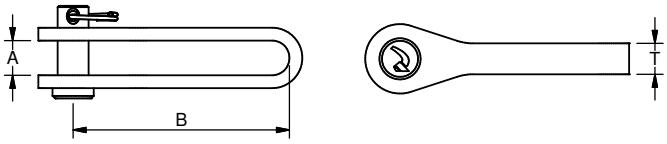
## TOGGLES XL

Polished stainless steel - AISI 316

| ART. NO. | PIN | A | B | T | BL/KG | KG/100 | PACK |
|---|---|---|---|---|---|---|---|
| RF1410 | 9,5 | 10,5 | 68 | 10,2 | 4000 | 7,8 | 10 |
| RF1411 | 11 | 11,5 | 75 | 10,5 | 4800 | 9,8 | 10 |
| RF1412 | 12 | 13,5 | 84 | 12 | 5800 | 15,2 | 10 |
| RF1416 | 16 | 17 | 94 | 15 | 8000 | 26,9 | 10 |
| RF1419 | 19 | 21 | 105 | 18 | 13000 | 51 | 10 |
| RF1422 | 22 | 25 | 138 | 25 | 17000 | 81,8 | 10 |



XL toggles are 50 % longer than standard toggles.

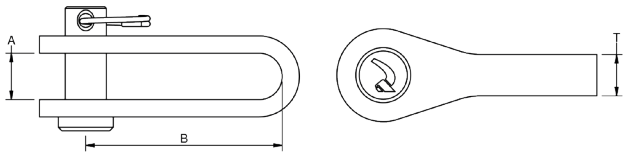



## STANDARD TOGGLES

Polished stainless steel - AISI 316

| ART.NO. | PIN | A | B | T | BL/KG | KG/100 | PACK |
|---|---|---|---|---|---|---|---|
| 140006 | 6 | 7,5 | 28 | 7 | 1800 | 2,3 | 10 |
| 140008 | 8 | 8,5 | 34 | 7,7 | 3600 | 4,1 | 10 |
| 140010 | 9,5 | 10,5 | 45 | 10,2 | 4000 | 6,3 | 10 |
| 140011 | 11 | 11,5 | 50 | 10,5 | 4800 | 8,3 | 10 |
| 140012 | 12 | 13,5 | 56 | 12 | 5800 | 12,6 | 10 |
| 140016 | 16 | 17 | 63 | 15 | 8000 | 22,5 | 10 |
| 140019 | 19 | 21 | 70 | 18 | 13000 | 41 | 10 |
| 140022 | 22 | 25 | 92 | 25 | 17000 | 66,9 | 10 |
| 140025 | 25,4 | 30 | 104 | 25 | 29000 | 109,2 | BULK |
| 140028 | 28 | 32 | 121 | 30 | 36000 | 147 | BULK |
| 140032 | 32 | 38 | 134 | 33 | 48000 | 225 | BULK |
| 140035 | 35 | 38 | 132 | 35 | 53000 | 266 | BULK |





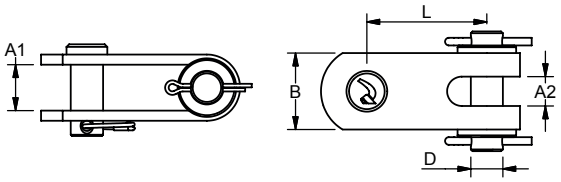
## DOUBLE JAW TOGGLES

Polished stainless steel - AISI 316



| ART. NO. | PIN | A1 | A2 | B | D | L | BL/KG | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|
| 250008 | 8 | 10 | 5,2 | 18 | 8 | 30 | 2350 | 6 | BULK |
| 250010 | 9,5 | 12 | 6,2 | 22 | 9,5 | 38 | 3500 | 11,9 | BULK |
| 250011 | 11 | 15 | 9,2 | 30 | 11 | 42 | 4100 | 18 | BULK |
| 250012 | 12,7 | 18 | 11,2 | 30 | 12,6 | 47,5 | 6200 | 24 | BULK |
| 250014 | 14 | 18 | 11,7 | 35 | 14 | 49,7 | 9400 | 34,8 | BULK |
| 250016 | 16 | 20 | 13,5 | 35 | 16 | 57 | 9800 | 41 | BULK |
| 250019 | 19 | 24 | 17,5 | 40 | 19 | 63 | 13000 | 70 | BULK |
| 250022 | 22 | 26 | 19 | 50 | 22 | 72 | 17000 | 87 | BULK |
| 250025 | 25,4 | 29 | 22 | 60 | 25 | 82 | 24000 | 107 | BULK |
| 250028 | 28 | 34 | 28 | 60 | 28 | 97 | 25500 | 234 | BULK |
| 250032 | 32 | 40 | 34 | 75 | 32 | 105 | 31000 | 340 | BULK |
| 250035 | 35 | 44 | 34 | 75 | 35 | 118 | 43000 | 470 | BULK |
| 250040 | 40 | 48 | 39 | 95 | 40 | 139 | 69000 | 564 | BULK |

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



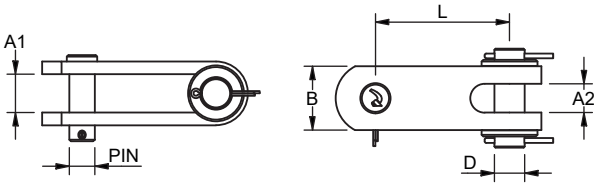

## STEP DOWN DOUBLE JAW TOGGLES

Polished stainless steel - AISI 316



| ART. NO. | PIN | A1 | A2 | B | D | L | BL/KG | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|
| 25001210 | 9,5 | 18 | 11,5 | 30 | 12,6 | 47 | 3500 | 19,8 | BULK |
| 25001612 | 12,7 | 20 | 13,8 | 35 | 16 | 79 | 6200 | 48,2 | BULK |
| 25001916 | 16 | 24 | 18 | 40 | 19 | 84 | 9800 | 80,2 | BULK |
| 25002219 | 19 | 26 | 20,3 | 50 | 22 | 89 | 13000 | 116,7 | BULK |
| 25002522 | 22 | 29 | 23 | 60 | 25 | 102 | 17000 | 195 | BULK |
| 25002825 | 25,4 | 34 | 28 | 65 | 28 | 118 | 24000 | 238,4 | BULK |

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

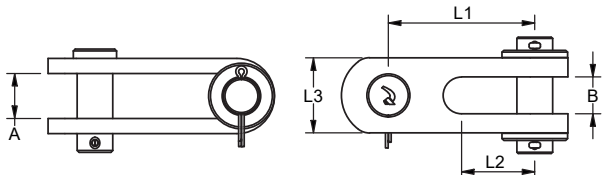



## MASTHEAD TOGGLES

Polished stainless steel - AISI 316



| ART. NO. | PIN | A | B | L1 | L2 | L3 | BL/KG | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|
| MH2511 | 11,1 | 15 | 11,1 | 46 | 23 | 30 | 4100 | 17,8 | BULK |
| MH2512 | 12,7 | 18 | 12,7 | 52 | 26 | 30 | 6200 | 21,0 | BULK |
| MH2516 | 15,9 | 20 | 15,9 | 65 | 32 | 35 | 9800 | 41,5 | BULK |
| MH2519 | 19,0 | 24 | 19,0 | 78 | 39 | 40 | 13000 | 72 | BULK |
| MH2522 | 22,0 | 26 | 22,0 | 90 | 46 | 50 | 19200 | 110 | BULK |
| MH2525 | 25,4 | 29 | 25,4 | 110 | 62 | 60 | 24000 | 188 | BULK |






BLUE WAVE®



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# ACCESSORIES

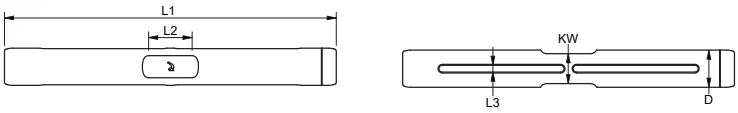


Stainless steel AISI 316L body with bronze inserts. Made with big flats for easy adjustment.

## APEX BODIES

Polished stainless steel - AISI 316L with bronze inserts

| ART. NO. | G | D | L1 | L2 | L3 | KW | BL/KG | KG/100 |
|---|---|---|---|---|---|---|---|---|
| 012406A | 1/4" | 13,5 | 100 | 16 | 4,5 | 11 | 1300 | 5,8 |
| 012408A | 5/16" | 15,5 | 120 | 18 | 4,5 | 13 | 2200 | 8,7 |
| 012410A | 3/8" | 18 | 135 | 19 | 5,5 | 15 | 3400 | 14,1 |
| 012411A | 7/16" | 20 | 150 | 22 | 5,5 | 16 | 4600 | 20,5 |
| 012412A | 1/2" | 22 | 170 | 26 | 6,5 | 18 | 6100 | 27,3 |
| 012416A | 5/8" | 26 | 210 | 30 | 6,5 | 22 | 9900 | 46,4 |
| 012420A | 3/4" | 34 | 250 | 39 | 6,5 | 28 | 14400 | 96,1 |
| 012422A | 7/8" | 38 | 305 | 44 | 7,5 | 31 | 19600 | 153,5 |
| 012425A | 1" | 41 | 366 | 48 | 7,5 | 33 | 21400 | 203,1 |
| 012427A | 1 1/8" | 46 | 376 | 54 | 7,5 | 39 | 27600 | 252,5 |
| 012430A | 1 1/4" | 51 | 418 | 58 | 8,5 | 42 | 34600 | 358,8 |
| 012436A | 1 3/8" | 56 | 460 | 65 | 8,5 | 45 | 42400 | 480,1 |
| 012442A | 1 5/8" | 64 | 570 | 74 | 10,5 | 55 | 63200 | 727,5 |





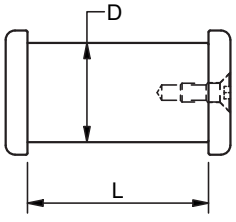

Elegant and tamper proof alternative to standard clevis pins. Fits the Blue Wave welded fork.

## DOUBLE HEADED PINS

Stainless steel - AISI 316L

| | ART. NO. | D (in) | D (mm) | L | KG/100 |
|---|---|---|---|---|---|
| | RTT01706H | 5/8" | 15,9 | 31,5 | 7,6 |
| | RTT02206H | 3/4" | 19,1 | 35,5 | 11,4 |
| | RTT03006H | 7/8" | 22,2 | 37 | 15,9 |
| | RTT04006H | 1" | 25,4 | 46 | 25,4 |
| | RTT04806H | 1 1/8" | 28,6 | 50 | 35,8 |
| | RTT06006H | 1 1/4" | 31,8 | 58 | 49,2 |
| * | RTT07606H | 1 1/4" | 31,8 | 59 | 59,7 |
| * | RTT09106H | 1 3/8" | 34,9 | 64 | 63,1 |
| * | RTT11506H | 1 9/16" | 39,7 | 77 | 93,5 |
| * | RTT15006H | 1 3/4" | 44,5 | 82 | 122,2 |

* Note: available only on request

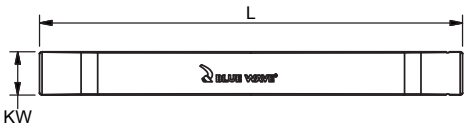


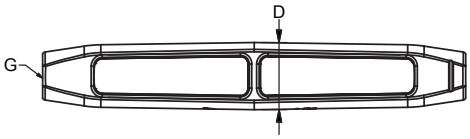
## CHROMED BRONZE BODIES UNF

Chromed bronze

| ART. NO. | G | L | D | KW | BL/KG |
|---|---|---|---|---|---|
| 011306A | 1/4" | 100 | 14 | 9 | 1300 |
| 011308A | 5/16" | 120 | 17 | 11 | 2200 |
| 011310A | 3/8" | 135 | 20,5 | 13 | 3400 |
| 011311A | 7/16" | 150 | 24 | 15 | 4600 |
| 011312A | 1/2" | 170 | 27 | 17,4 | 6100 |
| 011316A | 5/8" | 210 | 32 | 20,7 | 9900 |
| 011320A | 3/4" | 250 | 38 | 25,4 | 14400 |
| 011322A | 7/8" | 305 | 46 | 30 | 19600 |
| 011325A | 1" | 366 | 55 | 35 | 21400 |
| 011327A | 1 1/8" | 376 | 56 | 40 | 27600 |
| 011330A | 1 1/4" | 418 | 62 | 42 | 34600 |
| 011336A | 1 3/8" | 460 | 68 | 48 | 42400 |
| 011342A | 1 5/8" | 570 | 78 | 56 | 63200 |





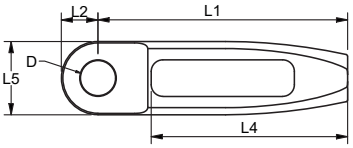

Chromed according to DS/EN ISO 1456 class 4 One layer of nickel thickness minimum 0,025 mm.
One layer of chrome thickness minimum 0,003 mm. Bright finish.

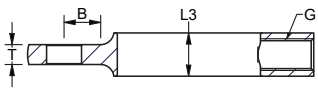
## FULL THREAD OPEN EYE

Polished stainless steel - AISI 316

| ART. NO. | G | D | B | L1 | L2 | L3 | L4 | L5 | T | BL/KG | KG/100 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| F511906A | 1/4" | 6,5 | 7 | 56 | 7 | 9 | 44 | 14 | 4 | 1300 | 2,9 |
| F511908A | 5/16" | 8,5 | 9 | 67 | 8,5 | 12 | 53 | 17 | 5 | 2200 | 5,3 |
| F511910A | 3/8" | 10,5 | 11 | 75 | 11 | 13 | 59 | 22 | 6 | 3400 | 9,1 |
| F511911A | 7/16" | 11,5 | 14 | 84 | 12 | 15 | 64 | 24 | 8 | 4600 | 13,1 |
| F511912A | 1/2" | 13 | 16 | 95 | 13,5 | 18 | 72 | 27 | 10 | 6100 | 20,4 |
| F511916A | 5/8" | 16,5 | 18 | 115 | 17 | 21 | 89 | 34 | 12 | 9900 | 35,7 |
| F511920A | 3/4" | 19,5 | 23 | 137 | 19,5 | 26 | 107 | 39 | 16 | 14400 | 59,2 |
| F511922A | 7/8" | 22,5 | 29 | 162 | 23 | 30 | 124 | 46 | 21 | 21400 | 110,3 |





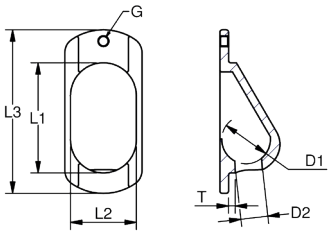





## COQUILLE

Polished stainless steel - AISI 316

| ART. NO. | WIRE | | G | D1 | D2 | T | L1 | L2 | L3 | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q620506 | 4 - 5 | 32" | M5 | 21,4 | 14,5 | 3 | 47 | 29 | 72 | 9,7 | BULK |
| Q620708 | 6 - 7 | 1/4" | M5 | 27 | 18 | 5 | 60 | 36 | 90 | 20,9 | BULK |
| Q620010 | 8 - 10 | 3/8" | M5 | 29 | 22 | 6 | 88 | 50 | 146 | 48,2 | BULK |
| Q620012 | 12 | - | M8 (2x) | 29 | 22 | 6 | 88 | 50 | 146 | 50 | BULK |





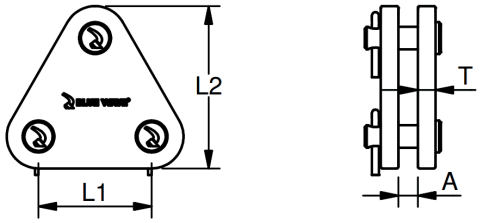


Two part triangle with pins for split backstays

## BACKSTAY TRIANGLE

Polished stainless steel - AISI 316L

| ART. NO. | Upper Pin | Lower Pin | A | L1 | L2 | T | BL/KG | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|---|
| 61TR6305M | 6,35 | 5 | 6 | 18 | 30 | 3 | 1300 | 3,9 | BULK |
| 61TR6363M | 6,35 | 6,35 | 6 | 18 | 30 | 3 | 1300 | 4,3 | BULK |
| 61TR0863M | 8 | 6,35 | 8 | 23 | 37 | 4 | 2200 | 7,8 | BULK |
| 61TR0808M | 8 | 8 | 8 | 23 | 37 | 4 | 2200 | 8,6 | BULK |
| 61TR9508M | 9,5 | 8 | 11 | 28 | 44 | 4 | 3800 | 12,6 | BULK |
| 61TR9595M | 9,5 | 9,5 | 11 | 28 | 44 | 4 | 3800 | 13,4 | BULK |
| 61TR1395M | 12,7 | 9,5 | 13 | 36 | 57 | 5 | 6500 | 24,7 | BULK |
| 61TR1313M | 12,7 | 12,7 | 13 | 36 | 57 | 5 | 6500 | 24,9 | BULK |
| 61TR1613M | 16 | 12,7 | 17 | 44 | 72 | 6 | 11200 | 49,1 | BULK |
| 61TR1616M | 16 | 16 | 17 | 44 | 72 | 6 | 11200 | 52,1 | BULK |
| 61TR1916M | 19 | 16 | 17 | 44 | 72 | 6 | 11200 | 67,4 | BULK |
| 61TR2216M | 22 | 16 | 17 | 44 | 76,5 | 8 | 11200 | 76,8 | BULK |







## SCTKIT – SEALING KIT

Thread lubricant and seal for terminal assembly

| ART. NO. | NET. WEIGHT | KG/100 |
|---|---|---|
| SCTKIT | 6g | 6 |



BLUE WAVE®

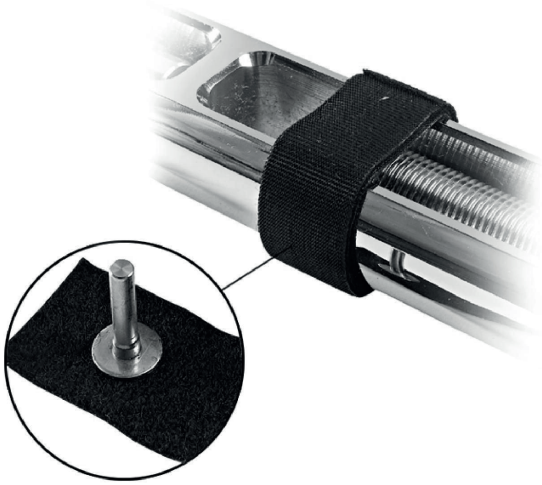


BLUE WAVE®




# SMART PINS

Polished stainless steel - AISI 316 – one wrap® velcro



| ART. NO. BULK | ART. NO. RETAIL PACK | SIZE | B | D | H | L | KG/100 | PACK |
|---|---|---|---|---|---|---|---|---|
| VP1020 | VP1020P4 | 1/4" | 16 | 2 | 8 | 100 | 0,2 | BULK |
| VP1225 | VP1225P4 | 5/16" - 3/8" | 16 | 2,5 | 10 | 130 | 0,3 | BULK |
| VP1632 | VP1632P4 | 7/16" - 1/2" | 20 | 3,2 | 13 | 180 | 0,5 | BULK |
| VP2340 | VP2340P4 | 5/8" - 3/4" | 20 | 4 | 20 | 220 | 1 | BULK |
| VP3250 | VP3250P4 | 7/8" - 1" | 25 | 5 | 31 | 280 | 1,8 | BULK |

The user is responsible for correct assembly

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.




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**Community Design Registration 2006**





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Blue Wave reserves the right to make changes to the rod rigging catalogue with no notification. Printing errors may occur. 2026 - 1. edition.