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GENERAL INFORMATION







COMPANY PROFILE



A leading company: globally active

De Haan Special Equipment is a proactive partner and leader in the field of designing and producing lifting blocks and steel wire sockets. Our organisation supplies products worldwide to the major manufacturers in the crane industry and to various companies in the offshore business. Lifting blocks from De Haan Special Equipment are used for port, ship, factory and mobile cranes. Our steel wire sockets are mainly used in the offshore industry.

First-class performance, from design to delivery

De Haan Special Equipment guarantees firstclass performance from design up to delivery, regardless of whether it concerns standardised products or custom-designed specials. Our innovative engineering department collaborates with other departments and the customer when designing new products and preparing them for production. Furthermore, existing products are examined with a critical eye and adjusted according to the most recent technical developments, if required.

De Haan Special Equipment operates its own production facility where our expert production team machines and assembles all of our products and components. The production process has been set up flexibly to be able to react quickly to specific customer requirements.

Certification





De Haan Special Equipment is ISO 9001:2015 certified. We have also been awarded certification by GSI/SLV, an internationally accredited welding certification agency, as a producer that is capable of guaranteeing technically high-quality welding constructions.







This certification and our extensive product range are the ultimate proof of your choice of a highly professional partner when you engage De Haan Special Equipment.

All our products are made or handled with the greatest care and attention by our dedicated team of employees, always putting quality and safety first.

Test facilities

De Haan Special Equipment guarantees you high-quality products. If required, we can subject products to test loads at our production facility. Further test possibilities may consist of non-destructive (ultrasonic and/or magnetic) inspection.

If required, these tests and inspections can be performed under the supervision of an official certification authority such as DNV, LR, ABS or other third party.

Areas of application

For the crane industry, De Haan Special Equipment produces standard swivels, wire sheaves, lifting blocks and special custom-made lifting blocks. Our product range for the offshore industry is very extensive, ranging from snatch blocks, mooring swivels and turnbuckles to various types of wire sockets. De Haan Special Equipment always has a product available in its range or can design the product according to all customer requirements. Some of our products have a design approval of third parties.

More information

Please contact our sales representatives or visit our website for more information about our product applications and options.













1898
Foundation
De Haan Natural
Rope Factory



CONTACT INFORMATION



The current De Haan Special Equipment BV originated in 1898 as a rope yard in the northern Dutch village of Musselkanaal. Our company specialized in manufacturing rope according to traditional methods. Our success factor was the company's site on the Groningen-Ter Apel canal, used at the time for transporting peat from the bogs.

In later years the rope yard's product range was expanded by adding attachment materials and other equipment. Thanks to employee specialization, the development of the machinery, and the growth of the production capacity, the company has become a global player in the area of pulley blocks and steel wire end fittings for the offshore and onshore industry.

Contact information

Can we be of service? If so, please do not hesitate to contact us.

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Mailing address

P.O. box 4 9500 AA Stadskanaal The Netherlands

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Trade Register: 02045016 **VAT-nr:** NL 00.66.31.666.B01

ABN-AMRO BANK

Account number: 41.84.82.993 **IBAN:** NL06ABNA0418482993

BIC: ABNANL2A



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OUR CONDITIONS FOR OPTIMAL PERFORMANCE



















LIST OF ABBREVIATIONS

"	Inches			
ABNT	Associação Brasileira de Normas Técnicas			
ABS	American Bureau of Shipping			
BV	Bureau Veritas			
C	Celsius			
···	Cubic centimeter			
CCS	China Class Society			
DIN	Deutsches Institut für Normung			
DNV	Det Norske Veritas			
EN	European norm			
F	Fahrenheit			
ILO	International Labour Organization			
ISO	International Organization of Standardization			
kg	Kilogram			
kN	Kilonewton			
LBS	Lbs/Pounds			
LRS	Lloyds Register Society			
LTM	Long Term Mooring			
MBL	Minimum Break Load			
mm	Millimeter			
NDT	Non-destructive testing			
NEN	Netherlands Standardization Institute			
NRS	Non-rotating stopper			
PL	Proof Load			
RMRS	Russian Maritime Register of Shipping			
ROV	Remotely Operated Vehicle			
SHT	Short tons			
SWL	Safe Working Load			
WLL	Working Load Limit			

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CONVERSION FACTORS



To convert from:	То:	Multiply by:
Length		
mm	inch	0.03937
inch	mm	25.4
m	foot (12 inch)	3.28084
foot (12 inch)	m	0.3048

Volume

cc (cm³)	ci (in³)	0.06102
ci (in³)	cc (cm³)	16.38706

Mass

metric tons	pounds	204.62262
pounds	metric tons	0.00045
pounds	kilogram	0.45359
kilogram	pounds	2.20462
US tons (short tons)	metric tons	0.90718
metric tons	US tons (short tons)	1.10231
metric tons	kilogram	1000
kilogram	metric tons	0.001
metric tons	kilonewton	9.80665
kilonewton	metric tons	0.10197
kips	kilonewton	4.44822
kilonewton	kips	0.22481

Torque

Newton meter	foot pound-force	0.73756
foot pound-force	Newton meter	1.35582

Temperature

Celsius (Tc)	Fahrenheit (Tf)	(Tc * 1.8) + 32
Fahrenheit (Tf)	Celsius (Tc)	(Tf - 32) / 1.8



LIST OF ICONS

SWL/WLL

Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.



Number of sheaves

The number of sheaves per product. This can be a standard amount or one available upon request.



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Type of hook

Hooks are available in single or double version.



Size of hook



Crane type

The crane type is decisive in selecting the pulley block. We advise you on the right product to fit your crane type.



Color code

Color code expressed in RAL values.



Lifting class





Type of bearing

Type of bearing; roller or bronze.



Groove hardness

Groove hardness to be realized to meet your needs.



Painting system

System customized to the customer's requirements.



Heat protection shield

Available upon request along with your product in order to protect the structure from high temperatures.



Hook locking device

Available upon request in order to prevent the hook from twisting.

Can be programmed to four times 90°.



Wrap angle

The angle between the incoming and outgoing wire.



0

Connection to construction

Connection to construction; bolted or welded.



Line pull (tons)

Line pull of single line.



Dead-end becket

Connector for wire rope end-fitting.



Own weight

The product's own weight.



Reevings

Reeving with or without releasing the end-fitting.



Outside dimensions



Groove size

Size of the groove depends on the wire diameter required.



Non-rotating system

The NRS prevents the tamp in the cone from turning during transport or installation.



Underwater use

Also available for underwater use.



Also available with shackle

CERTIFICATES, INSPECTION AND DOCUMENTS 🕩



De Haan SE products are available with several types of applicable certifications.

We are approved manufacturer for different type of products by several classification societies.

For special products we can arrange third-party design approvals/reviews on request.

On request we can deliver our products with the following certificates and inspections:

- Certificate of Conformity
- Certificate of Origin
- Material Certificate in accordance with EN 10204 3.1 or 3.2
- Manufacturer Certificate
- Load test Certificate
- NDT inspection, Magnetic Particle Inspection (M.P.I.) and Ultrasonic Inspection (U.S.) Hardness Measurement Inspection
- Classification Society Inspection Certificate
- Design Approval Certificate
- FEA strength and fatigue calculations
- Dimensional Inspection Report
- Production Part Approval Process (PPAP) Report/First Article Report
- Certificate for wooden packaging (IPPC stamp)
- Layer Thickness Control Reports
- Fabrication Book
- Inspection and Test Plan (ITP) on projects

Please ask our sales team for the costs of the certificates and applicable certification for each product type.



MANUFACTURING CERTIFICATES



- Approved manufacturer of Steel Wire Ropes
- Approved manufacturer of forged chain cable accessoiries



- Certificate of Re-Marking
- ◆ ISO 3834-2:2005
- ◆ ISO 9001:2015



Certificate of Renewal



- OIN 18800-7:2008-11
- Welding Certificate



 JQS Certificate of Qualification



 LEEA Certificate of Membership



 Manufacturing Assessment Hook(blocks), mooring sockets & swivels



RINA Workshop Approval

TYPE APPROVALS



Type Approval Swivels

- Type Approval ST-0378 OSS+CSS+CR Sockets
- Type Approval Offshore Mooring Steel Wire CR Sockets



- Mooring Swivel CRX 2+2,5+3+3,5+4 Inch R5
- Mooring Swivel CRX 2+2,5+3+3,5+4 Inch R4
- Mooring Socket CR 512-540 Material Grade ASTM 487 Grade Q10



 Mooring Socket CR 512-540

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TESTING



Testing according ILO (see below) or other third party requirements. Strength and fatigue calculation of test load on request.

Every item of loose gear is to be tested and thoroughly examined before being put into use for the first time and after any substantial alternation or repair to any part liable to affect its safety. The test loads to be applied shall be in accordance with the following table:

Item Test load

Single sheave blocks (see Note 1)	4 x SWL (line pull)
Multi sheave blocks (see Note 2)	
$SWL \le 25$ tons 25 tons < $SWL \le 160$ tons SWL > 160 tons	2 x SWL (0.933 x SWL) + 27 1.1 x SWL
Ballweights, hooks, turnbuckles & swivels	
SWL ≤ 25 tons SWL > 25 tons	2 x SWL (1.22 x SWL) + 20

Notes

Sockets (see Note 3)

Note 1. The SWL for a single sheave block, including single sheave blocks with beckets, is to be taken as one half of the resultant load on the head fitting.

PL 40% of the MBL

- Note 2. The SWL of a multi-sheave block is to be taken as the resultant load on the head fitting.
- Note 3. Sockets are proof loaded at 40% of the MBL up to an MBL of 875 Mtons.





GENERAL WARNING & APPLICATIONS



Introduction

This warning and application is meant for all products manufactured by 'De Haan Special Equipment B.V.'

The purchaser or end-user is responsible for proper and safe use of the product. Also the responsibility for the use of the products rests with the end-user. For each product type, 'De Haan Special Equipment B.V.' supplies a 'Maintenance manual'. To avoid misunderstanding, the certain terms, used in this 'warning and application', should always be the same.

Warning notices

The terms DANGER and WARNING used in this Application, are ment for all who are using or are in close contact with our products, in order to alert them to the potential danger.

Warning sign	Signal word	Explanation
	Danger	Indicates a hazardous situation that death or serious injury will result if it is not avoided.
•	Warning	Indicates a hazardous situation that death or serious injury could result if it is not avoided.

Further information

The term Information, used in this manual is for all persons who work with or nearby the products, to draw attention to useful information and tips.

Sign	Signal word	Explanation
•	Information	Indicates useful information and tips

For product specific warning and applications, please contact us and/or see our website.



DANGER



Risk of death due to improper handling!

Incorrect operation of products can result in death or serious injury!

Only authorized or qualified personnel are permitted to work with our products!



 All the technical information, delivered with the products, for example Instructions or additions to the manual, must be observed.

Failure

Failure of the product can occur due to improper use or misapplication.

Improper maintenance also poses a risk of failure.

Failure of the product can result in falling or damaged load, which can result in serious injury or even death.

For repairs, the owner or user should contact De Haan Special Equipment B.V.

Tel. +31 599 613 300 sales@dehaan-se.com

Working Load Limit

The 'working load limit', which is stamped on each product, may never been exceeded.

Overloading of this WLL can result in serious injury or even death.

Maintenance

Each product is delivered with a 'Maintenance Manual', which describes the inspection and maintenance, as well as the frequency of these. The frequency of inspection and lubrication depends upon frequency of use, period of product use as well as environmental conditions and the good judgment of the user.

Not following these guidelines, can result in failure of the product.

Warnings

The following warnings are similar for all the products. Specific warnings for products, are described in the Maintenance Manual for each product type.

- Side load must be avoided
- Load must be applied gradually
- Welding on products is not allowed without written permission
- Keep hands and body away from movable parts during lifting
- Personal should wear proper safety gear in or areas near where loads are moved or supported
- The importer in North America is responsible for informing the users of the handling and safety instructions.

SOCKETS





SOCKETS





Open wedge socket with pin ♦ P28



Open wedge socket with safety pin ♦ P29



Fixed-End wedge socket with standard pin ◆ P30



Fixed-end wedge socket with safety pin



◆ P31



Open spelter socket with pin P32



Open spelter socket with safety pin ◆ P33



Closed wedge socket ◆ P34



Closed spelter socket ♦ P35



CR socket standard ◆ P36



CR socket DNV & ABS ◆ P37



◆ P39



CRX mooring socket ◆ P41





Application information

Sockets attached to steel wire rope are used for lifting, anchoring systems, anchor cables of oil platforms, towing cables, or for fastening cables for construction purposes such as bridges or roof constructions. Sockets are the strongest steel wire rope end fittings available and if assembled in the proper way, can at minimum meet the breaking strength of the steel wire rope.

Spelter & CR Sockets

Our open and closed spelter sockets and wedge sockets are used for lifting, rigging, towing, and constructions. The CR sockets are used in anchor lines for temporary mooring between the chain and wire rope. Permanent Mooring System (PMS) and Long Term Mooring (LTM) sockets are made of forged steel and used in permanent mooring lines.

Instructions for use

Standard pins are normally used in non-permanent and pick and place applications. Safety pins are used for more permanent applications or where the load may slide on the pin, causing rotation of the pin.

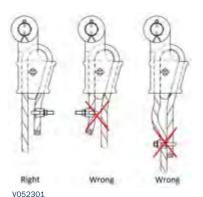
Resin: Before use please read the resin manufacturer's instructions carefully. In case of incorrect use of the resin, our spelter material can result in an unsafe termination. More information can also be obtained from your wire rope supplier. Always clean

dirt and grease from the wire rope broom and socket basket. Make certain that the broomed wires are evenly spaced in the basket and that the wire and basket are aligned with one another.

White metal or zinc: When using white metal or zinc, do not preheat the socket to more than 300°C (570°F). Never shock load a socket. Sockets may not be heated as this may affect their Working Load Limit. Never use an assembly before the resin is fully hardened. Socketing should always be done by a qualified individual.

Wedge sockets

Always mount the loaded part of the wire in the center line of the pin (see figures). Secure the dead end with a wire rope clip. Do not attach the loaded wire to the dead end. The dead end should have a length of 6 times the wire diameter with a minimum of 150 mm. After the first load, inspect that the wire rope and wedge are fully seated. The load may slip if the connection is not properly installed. Inspect the connection regularly.



mm	inch	СС	ci
6-7	1/4	10	0.61
8-10	3/8	20	1.2
11-13	1/2	30	1.8
14-16	5/8	50	3.1
17-19	3/4	80	4.9
20-22	7/8	100	6.1
23-26	1	170	10
27-30	11/8	250	15
31-36	11/4-13/8	310	19
37-39	1½	420	26
40-42	15/8	470	29
43-48	13/4-17/8	760	46
49-54	2-21/8	1050	64
55-60	21/4-23/8	1450	88
61-68	21/2-25/8	2100	128
69-75	23/4-27/8	2750	168
76-80	3-31/8	3600	220
81-86	31/4-33/8	4500	275
87-93	31/2-35/8	5500	336
94-102	3¾-4	7000	427
108-115	41/2	12000	732
122-130	5	15000	915
140-144	5½-6	23500	1434
158-167	6½	30000	1831

Wire

diame-

ter

± Resin

volume

± Resin

volume

Wire dia-

meter



OPEN WEDGE SOCKET WITH PIN

Material : Cast steel

Working Load Limit : 20% of the MBL

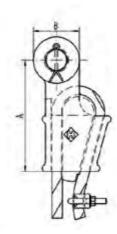
Finish : Painted or Galvanised (< Type No. 6 standard galvanised)

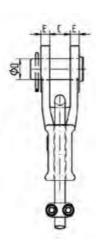
Temperature Range : -40 ° C up to +200 ° C Standard Certification : Certificate of Conformity

3.1 material certificate EN 10204

Non-standard sizes or custom products available on request.







	Rope Ø	Article n	umber	MBL	Α	В	С	ØD	E	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons			mm			kg ±
0.5	9-10	-	OWSP0,5G	10	146	47	20.5	20	11	1,7
1	11-13	-	OWSP1G	16	146	57	25,5	25	12	2,3
2	14-16	-	OWSP2G	25	176	70	32	30	14	3,9
3	17-19	-	OWSP3G	32	212	80	38	35	16	6,1
4	20-22	-	OWSP4G	45	240	96	44	41	19	9,3
5	23-26	-	OWSP5G	70	274	114	51	51	22	14,8
6	27-29	OWSP6P	OWSP6G	100	310	130	57	57	25	21,1
7	30-33	OWSP7P	OWSP7G	110	350	146	63	63	28	32,8
8	34-36	OWSP8P	OWSP8G	125	400	148	69	63	28	39,3
9	37-40	OWSP9P	OWSP9G	150	450	160	76	70	30	52,5
10	41-43	OWSP10P	OWSP10G	200	500	174	76	76	33	67,5
11	44-48	OWSP11P	OWSP11G	260	550	200	89	89	39	98,2
12	49-53	OWSP12P	OWSP12G	280	650	200	101	95	46	122,5
13	56	OWSP13P	OWSP13G	360	660	250	113	108	53	178,4
14	63	OWSP14P	OWSP14G	450	840	270	127	121	60	281
15	75	OWSP15P	OWSP15G	520	1000	300	146	133	76	469
16	81-86	OWSP16P	OWSP16G	625	1100	300	159	140	79	610

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OPEN WEDGE SOCKET WITH SAFETY PIN



Material : Cast steel

Working Load Limit : 20% of the MBL

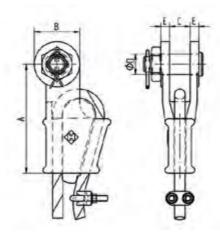
Finish : Painted or galvanised (< Type no. 6 standard galvanised)

Temperature Range : -40 ° C up to +200 ° C Standard Certification : Certificate of Conformity

3.1 material certificate EN 10204

Non-standard sizes or custom products available on request.





	Rope Ø	Article n	umber	MBL	Α	В	С	ØD	E	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons			mm			kg ±
0.5	9 - 10	-	OWSB0,5G	10	146	47	20,5	20	11	1,7
1	11 - 13	-	OWSB1G	16	146	57	25,5	20	12	2,3
2	14 - 16	-	OWSB2G	25	176	70	32	30	14	3,9
3	17 - 19	-	OWSB3G	32	212	80	38	35	16	6,1
4	20 - 22	-	OWSB4G	45	240	96	44	41	19	9,3
5	23 - 26	-	OWSB5G	70	274	114	51	51	22	14,8
6	27 - 29	OWSB6P	OWSB6G	100	310	130	57	57	25	21,1
7	30 - 33	OWSB7P	OWSB7G	110	350	146	63	63	28	32,8
8	34 - 36	OWSB8P	OWSB8G	125	400	148	69	63	28	39,3
9	37 - 40	OWSB9P	OWSB9G	150	450	160	76	70	30	52,5
10	41 - 43	OWSB10P	OWSB10G	200	500	174	76	76	33	67,5
11	44 - 48	OWSB11P	OWSB11G	260	550	200	89	89	39	98,2
12	49 - 53	OWSB12P	OWSB12G	280	650	200	101	95	46	122,5
13	56	OWSB13P	OWSB13G	360	660	250	113	108	53	178,4
14	63	OWSB14P	OWSB14G	450	840	270	127	121	60	281
15	75	OWSB15P	OWSB15G	520	1000	300	146	133	76	469
16	81 - 86	OWSB16P	OWSB16G	625	1100	300	159	140	79	630



FIXED-END WEDGE SOCKET WITH STANDARD PIN

Material : Cast steel

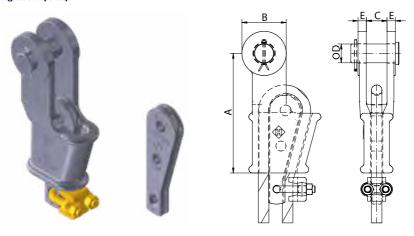
Working Load Limit : 20% of the MBL

Finish : Painted or Galvanised (< Type No. 6 standard galvanised)

Temperature Range : -40 ° C up to +200 ° C Standard Certification : Certificate of Conformity

3.1 material certificate EN 10204

Non-standard sizes or custom products available on request. Including Wire Rope Clip.



	Rope Ø	Article n	umber	MBL	Α	В	С	ØD	E	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons			mm		kg ±	
0.5	9-10	-	FOWSP0,5G	10	146	47	20.5	20	11	1,7
1	11-13	-	FOWSP1G	16	146	57	25,5	25	12	2,3
2	14-16	-	FOWSP2G	25	176	70	32	30	14	3,9
3	17-19	-	FOWSP3G	32	212	80	38	35	16	6,1
4	20-22	-	FOWSP4G	45	240	96	44	41	19	9,3
5	23-26	-	FOWSP5G	70	274	114	51	51	22	14,8
6	27-29	FOWSP6P	FOWSP6G	100	310	130	57	57	25	21,1
7	30-33	FOWSP7P	FOWSP7G	110	350	146	63	63	28	32,8
8	34-36	FOWSP8P	FOWSP8G	125	400	148	69	63	28	39,3
9	37-40	FOWSP9P	FOWSP9G	150	450	160	76	70	30	52,5
10	41-43	FOWSP10P	FOWSP10G	200	500	174	76	76	33	67,5
11	44-48	FOWSP11P	FOWSP11G	260	550	200	89	89	39	98,2
12	49-53	FOWSP12P	FOWSP12G	280	650	200	101	95	46	122,5
13	56	FOWSP13P	FOWSP13G	360	660	250	113	108	53	178,4
14	63	FOWSP14P	FOWSP14G	450	840	270	127	121	60	281
15	75	FOWSP15P	FOWSP15G	520	1000	300	146	133	76	469
16	81-86	FOWSP16P	FOWSP16G	625	1100	300	159	140	79	610

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FIXED-END WEDGE SOCKET WITH SAFETY PIN



Material : Cast steel

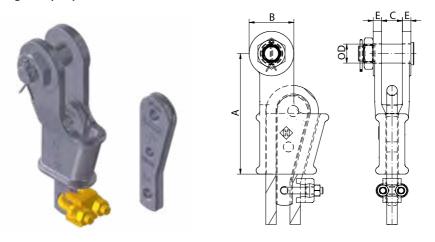
Working Load Limit : 20% of the MBL

Finish : Painted or galvanised (< Type no. 6 standard galvanised)

Temperature Range : -40 ° C up to +200 ° C Standard Certification : Certificate of Conformity

3.1 material certificate EN 10204

Non-standard sizes or custom products available on request. Including Wire Rope Clip.



	Rope Ø	Article n	umber	MBL	Α	В	С	ØD	E	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons			mm			kg ±
0.5	9 - 10	-	FOWSB0,5G	10	146	47	20,5	20	11	1,7
1	11 - 13	-	FOWSB1G	16	146	57	25,5	20	12	2,3
2	14 - 16	-	FOWSB2G	25	176	70	32	30	14	3,9
3	17 - 19	-	FOWSB3G	32	212	80	38	35	16	6,1
4	20 - 22	-	FOWSB4G	45	240	96	44	41	19	9,3
5	23 - 26	-	FOWSB5G	70	274	114	51	51	22	14,8
6	27 - 29	FOWSB6P	FOWSB6G	100	310	130	57	57	25	21,1
7	30 - 33	FOWSB7P	FOWSB7G	110	350	146	63	63	28	32,8
8	34 - 36	FOWSB8P	FOWSB8G	125	400	148	69	63	28	39,3
9	37 - 40	FOWSB9P	FOWSB9G	150	450	160	76	70	30	52,5
10	41 - 43	FOWSB10P	FOWSB10G	200	500	174	76	76	33	67,5
11	44 - 48	FOWSB11P	FOWSB11G	260	550	200	89	89	39	98,2
12	49 - 53	FOWSB12P	FOWSB12G	280	650	200	101	95	46	122,5
13	56	FOWSB13P	FOWSB13G	360	660	250	113	108	53	178,4
14	63	FOWSB14P	FOWSB14G	450	840	270	127	121	60	281
15	75	FOWSB15P	FOWSB15G	520	1000	300	146	133	76	469
16	81 - 86	FOWSB16P	FOWSB16G	625	1100	300	159	140	79	630



OPEN SPELTER SOCKET WITH PIN

Material : Cast steel

Working Load Limit : 20% of the MBL

Finish : Painted or galvanised (< Type No. 100 standard galvanised)

Temperature Range : -40 ° C up to +200 ° C Standard Certification : Certificate of Conformity

3.1 material certificate EN 10204

TYPE APPROVED PRODUCT

DNV

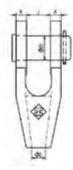
Sockets are Type Approved by DNV according DNV ST-0378

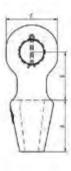


These sockets include our non-rotating system (NRS-system) which prevents the tamp from turning or slipping out of the cone and guarantees a high performance connection.

Non-standard sizes or custom products available on request.







	Rope Ø	Article n	umber	MBL	A	В	С	ØD	ØD1	J	К	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons				mm				kg ±
192	6-7	-	OSSP192G	8	52	39,5	33,5	8	17,5	17,5	8	0,4
194	8 - 10	-	OSSP194G	12	58	44,5	39,5	11	20,5	20,5	11	0,8
196	11 - 13	-	OSSP196G	20	63,5	51	49	14	25,5	25,5	12	1,3
198	14 - 16	-	OSSP198G	30	76,5	63,5	62	17,5	30	32	14	2,3
100	17 - 19	OSSP100P	OSSP100G	40	89	76	100	21	35	38	16	3,2
104	20 - 22	OSSP104P	OSSP104G	60	101	89	85,5	24	41	44	19	5
108	23 - 26	OSSP108P	OSSP108G	75	114	101	114	28	51	51	22	8,8
111	27 - 30	OSSP111P	OSSP111G	100	127	114	123,5	32	57	57	25	11,6
115	31 - 36	OSSP115P	OSSP115G	125	139	127	135	38	63	63	28	16,3
118	37 - 39	OSSP118P	OSSP118G	150	152	162	152	41	70	76	30	23,5
120	40 - 42	OSSP120P	OSSP120G	180	165	165	168	44	76	76	33	29
125	43 - 48	OSSP125P	OSSP125G	230	191	178	190	51	89	89	39	45
128	49 - 54	OSSP128P	OSSP128G	280	216	229	206	57	95	102	45	64,5
130	55 - 60	OSSP130P	OSSP130G	375	229	254	225	63	108	113	53	88
132	61 - 68	OSSP132P	OSSP132G	425	248	273	251	73	121	127	60	125
135	69 - 75	OSSP135P	OSSP135G	500	279	279	266	79	127	133	73	162
138	76 - 80	OSSP138P	OSSP138G	600	305	286	274	86	133	146	76	195
140	81 - 86	OSSP140P	OSSP140G	700	330	298	286	92	140	159	79	224
142	87 - 93	OSSP142P	OSSP142G	750	356	318	310	99	152	171	83	280
144	94 - 102	OSSP144P	OSSP144G	950	381	343	352	108	178	191	89	378
146	108 - 115	OSSP146P	OSSP146G	1200	460	480	430	125	190	208	101	564
150	122 - 130	OSSP150P	OSSP150G	1400	500	500	550	138	250	210	120	922
160	140 - 155	OSSP160P	OSSP160G	2000	580	500	590	160	275	230	140	1295
170	158 - 167	OSSP170P	OSSP170G	2500	675	600	640	175	290	310	160	1950

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OPEN SPELTER SOCKET WITH SAFETY PIN



Material : Cast steel

Working Load Limit : 20% of the MBL

Finish : Painted or galvanised (< Type No. 100 standard galvanised)

Temperature Range : -40 ° C up to +200 ° C Standard Certification : Certificate of Conformity

3.1 material certificate EN 10204

TYPE APPROVED PRODUCT

DNV

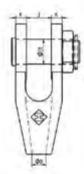
Sockets are Type Approved by DNV according DNV ST-0378



These sockets include our non-rotating system (NRS-system) which prevents the tamp from turning or slipping out of the cone and guarantees a high performance connection.

Non-standard sizes or custom products available on request.







	Rope Ø	Article n	umber	MBL	A	В	С	ØD	ØD1	J	K	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons				mm				kg ±
192	6 - 7	-	OSSB192G	8	52	39,5	33,5	8	17,5	17,5	8	0,4
194	8 - 10	-	OSSB194G	12	58	44,5	39,5	11	20,5	20,5	11	0,8
196	11 - 13	-	OSSB196G	20	63,5	51	49	14	25,5	25,5	12	1,3
198	14 - 16	-	OSSB198G	30	76,5	63,5	62	17,5	30	32	14	2,3
100	17 - 19	OSSB100P	OSSB100G	40	89	76	100	21	35	38	16	3,2
104	20 - 22	OSSB104P	OSSB104G	60	101	89	85,5	24	41	44	19	5
108	23 - 26	OSSB108P	OSSB108G	75	114	101	114	28	51	51	22	8,8
111	27 - 30	OSSB111P	OSSB111G	100	127	114	123,5	32	57	57	25	11,6
115	31 - 36	OSSB115P	OSSB115G	125	139	127	135	38	63	63	28	16,3
118	37 - 39	OSSB118P	OSSB118G	150	152	162	152	41	70	76	30	23,5
120	40 - 42	OSSB120P	OSSB120G	180	165	165	168	44	76	76	33	29
125	43 - 48	OSSB125P	OSSB125G	230	191	178	190	51	89	89	39	45
128	49 - 54	OSSB128P	OSSB128G	280	216	229	206	57	95	102	45	64,5
130	55 - 60	OSSB130P	OSSB130G	375	229	254	225	63	108	113	53	88
132	61 - 68	OSSB132P	OSSB132G	425	248	273	251	73	121	127	60	125
135	69 - 75	OSSB135P	OSSB135G	500	279	279	266	79	127	133	73	162
138	76 - 80	OSSB138P	OSSB138G	600	305	286	274	86	133	146	76	195
140	81 - 86	OSSB140P	OSSB140G	700	330	298	286	92	140	159	79	224
142	87 - 93	OSSB142P	OSSB142G	750	356	318	310	99	152	171	83	280
144	94 - 102	OSSB144P	OSSB144G	950	381	343	352	108	178	191	89	378
146	108 - 115	OSSB146P	OSSB146G	1200	460	480	430	125	190	208	101	564
150	122 - 130	OSSB150P	OSSB150G	1400	500	500	550	138	250	210	120	922
160	140 - 155	OSSB160P	OSSB160G	2000	580	500	590	160	275	230	140	1295
170	158 - 167	OSSB170P	OSSB170G	2500	675	600	640	175	290	310	160	1950



Material : Steel

Working Load Limit : 20% of the MBL

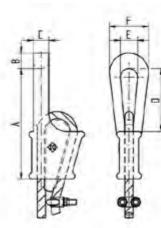
Finish : Painted or galvanised (< Type no. 6 standard galvanised)

Temperature Range : -40 ° C up to +200 ° C Standard Certification : Certificate of Conformity

3.1 material certificate EN 10204

Non-standard sizes or custom products available on request.





	Rope Ø	Article n	umber	MBL	A	В	С	D	Е	F	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons			mr	n		kg ±	
3103	17 - 19	CWS3103P	CWS3103G	32	220	34	34	100	40	90	7
3104	20 - 22	CWS3104P	CWS3104G	45	225	42	42	125	47	110	9
3105	23 - 26	CWS3105P	CWS3105G	70	290	50	50	130	55	125	14
3106	27 - 29	CWS3106P	CWS3106G	100	325	60	60	145	70	152	22
3107	30 - 33	CWS3107P	CWS3107G	110	360	68	68	160	75	165	30
3108	34 - 36	CWS3108P	CWS3108G	125	400	68	68	170	75	165	38
3109	37 - 40	CWS3109P	CWS3109G	150	500	72	72	240	80	185	49
3110	41 - 43	CWS3110P	CWS3110G	200	600	80	80	310	90	210	65
3111	44 - 48	CWS3111P	CWS3111G	260	640	90	90	325	100	225	100
3112	49 - 53	CWS3112P	CWS3112G	280	720	100	100	360	110	245	150
3113	56	CWS3113P	CWS3113G	360	775	110	110	400	120	265	175
3114	63	CWS3114P	CWS3114G	450	900	120	120	470	130	290	230
3115	75	CWS3115P	CWS3115G	520	1000	130	130	500	150	330	300
3116	75	CWS3116P	CWS3116G	520	1125	135	135	550	165	360	425

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CLOSED SPELTER SOCKET



Material : Cast steel

Working Load Limit : 20% of the MBL

Finish : Painted or galvanised (< Type No. 201 standard galvanised)

Temperature Range : -40 ° C up to +200 ° C Standard Certification : Certificate of Conformity

3.1 material certificate EN 10204

TYPE APPROVED PRODUCT

DNV

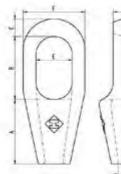
Sockets are Type Approved by DNV according DNV ST-0378



These sockets include our non-rotating system (NRS-system) which prevents the tamp from turning or slipping out of the cone and guarantees a high performance connection.

Non-standard sizes or custom products available on request.







	Rope Ø	Article n	umber	MBL	A	В	С	ØD	E	F	G	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons				mm				kg ±
290	6 - 7	-	CSS290G	8	52	46	11	8	20	36,5	13	0,3
292	8 - 10	-	CSS292G	12	58	52,5	14	11	24	43	16	0,4
294	11 - 13	÷.	CSS294G	20	63,5	59	17,5	14	28,5	51	22	0,8
296	14 - 16	-	CSS296G	30	76,5	65	20,5	17,5	35	66,5	25,4	1,4
298	18 - 19	-	CSS298G	40	90	75	26	21	42	75	31	2,1
201	20 - 22	CSS201P	CSS201G	60	101	90	33	24	47	92	38	4
204	23 - 26	CSS204P	CSS204G	75	114	103	36	28	57	106	45	6
207	27 - 30	CSS207P	CSS207G	100	127	116	39	32	63	114	51	7,5
212	31 - 36	CSS212P	CSS212G	125	139	130	44	38	70	128	58	11
215	37 - 39	CSS215P	CSS215G	150	152	155	51	41	79	137	64	14
217	40 - 42	CSS217P	CSS217G	180	165	171	54	44	82	146	70	17,5
219	43 - 48	CSS219P	CSS219G	230	190	198	56	51	89	171	77	27,5
222	49 - 54	CSS222P	CSS222G	280	216	224	62	57	98	194	84	40
224	55 - 60	CSS224P	CSS224G	375	228	247	73	65	110	216	94	52
226	61 - 68	CSS226P	CSS226G	425	248	270	80	73	140	241	102	63
227	69 - 75	CSS227P	CSS227G	500	279	286	79	79	159	273	124	88,5
228	76 - 80	CSS228P	CSS228G	600	305	298	83	86	171	292	133	111
229	81 - 86	CSS229P	CSS229G	700	330	311	102	92	184	311	146	143
230	87 - 93	CSS230P	CSS230G	750	356	330	102	99	197	330	159	166
231	94 - 102	CSS231P	CSS231G	950	381	356	108	108	216	362	178	217
233	108 - 115	CSS233P	CSS233G	1200	460	425	120	125	235	405	190	338
240	122 - 130	CSS240P	CSS240G	1400	500	475	140	138	270	515	210	579
250	140 - 155	CSS250P	CSS250G	2000	580	550	150	160	300	510	250	654
260	158 - 167	CSS260P	CSS260G	2500	675	600	175	175	325	600	300	1063

CR SOCKET STANDARD

Material Cast steel - Grade R3S 20% of the MBL

Working Load Limit Finish Painted or Galvanised

Temperature Range -40°C up to +200°C Standard Certification Certificate of Conformity

3.1 Material Certificate EN 10204

Proof Load Certificate¹ ABS Type Approval²

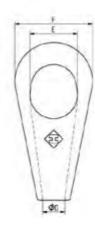
CR sockets give the best possible connection between a chain and a rope anchoring system.

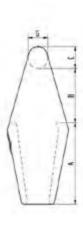


These sockets include our non-rotating system (NRS-system) which prevents the tamp from turning or slipping out of the cone and guarantees a high performance connection.

Non-standard sizes or custom products available on request.







TYPE APPROVED PRODUCT

	Rope Ø	Article nu	ımber	MBL	A	В	С	ØD	E	F	G	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons				mm				kg ±
512	31 - 36	CR512P	CR512G	140	140	85	38	39	75	124	35	7
517	37 - 42	CR517P	CR517G	160	160	110	42	44	92	150	38	11
519	43 - 48	CR519P	CR519G	200	188	128	50	51	110	180	45	18
522	49 - 54	CR522P	CR522G	250	215	125	55	57	115	200	50	25
524	55 - 60	CR524P	CR524G	300	230	145	65	63	135	230	57	35
526	61 - 68	CR526P	CR526G	400	250	160	75	73	160	262	65	51
527	69 - 75	CR527P	CR527G	500	280	175	80	79	171	278	70	62
528	76 - 80	CR528P	CR528G	600	315	210	85	86	184	300	75	75
529	81 - 86	CR529P	CR529G	700	340	205	100	92	204	320	90	93
530	87 - 93	CR530P	CR530G	800	360	220	105	99	215	340	95	110
531	94 - 102	CR531P	CR531G	900	380	240	110	108	234	376	100	141
533	108 - 115	CR533P	CR533G	1000	450	260	125	120	252	400	110	186
540	122 - 130	CR540P	CR540G	1250	517	293	140	140	275	460	125	317

¹ Sockets are proof loaded at 40% of the MBL up to an MBL of 875 Mtons.

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² When ABS Product Certificate for Mooring is required, the test program as given in ABS Offshore Mooring Guide shall be followed.

CR SOCKET

DNV-OS-E304 ABS OFFSHORE STANDARD



Material : Cast steel - Grade 4

Working Load Limit : 20% of the MBL

Finish : Painted or Galvanised
Temperature Range : -40°C up to +200°C
Standard Certification : Certificate of Conformity

3.2 Material Certificate EN 10204 DNV-0S-E304/ABS Mooring

DNV-OS-E304/ABS Moori DNV Type Approval¹ ABS Type Approval² TYPE APPROVED PRODUCT



CR sockets give the best possible connection between a chain and a rope anchoring system.

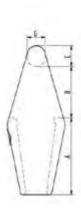


These sockets include our non-rotating system (NRS-system) which prevents the tamp from turning or slipping out of the cone and guarantees a high performance connection.

Non-standard sizes or custom products available on request.







	Rope Ø	Article nu	ımber	MBL	A	В	С	ØD	E	F	G	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons				mm				kg ±
512	31 - 36	CR512P	CR512G	140	140	85	38	39	75	124	35	7
517	37 - 42	CR517P	CR517G	160	160	110	42	44	92	150	38	11
519	43 - 48	CR519P	CR519G	200	188	128	50	51	110	180	45	18
522	49 - 54	CR522P	CR522G	250	215	125	55	57	115	200	50	25
524	55 - 60	CR524P	CR524G	300	230	145	65	63	135	230	57	35
526	61 - 68	CR526P	CR526G	400	250	160	75	73	160	262	65	51
527	69 - 75	CR527P	CR527G	500	280	175	80	79	171	278	70	62
528	76 - 80	CR528P	CR528G	600	315	210	85	86	184	300	75	75
529	81 - 86	CR529P	CR529G	700	340	205	100	92	204	320	90	93
530	87 - 93	CR530P	CR530G	800	360	220	105	99	215	340	95	110
531	94 - 102	CR531P	CR531G	900	380	240	110	108	234	376	100	141
533	108 - 115	CR533P	CR533G	1000	450	260	125	120	252	400	110	186
540	122 - 130	CR540P	CR540G	1250	517	293	140	140	275	460	125	317

 $^{{\}bf 1} \ {\bf When \ DNV \ Product \ Certificate \ for \ Mooring \ is \ required, \ the \ test \ program \ as \ given \ in \ DNV-OS-E304 \ shall \ be \ followed.}$

² When ABS Product Certificate for Mooring is required, the test program as given in ABS Offshore Mooring Guide shall be followed.



CR SOCKET ABNT NBR 13715-6



Material : Cast steel Steel Grade : R3S and R4

Finish : Painted or Galvanised
Temperature Range : -40 ° C up to +200 ° C
Standard Certification : Certificate of Conformity

3.1 Material Certificate EN 10204

Proof Load Certificate

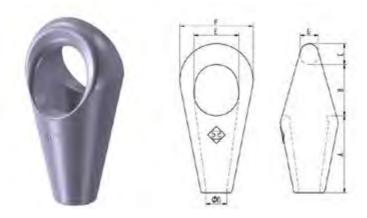
Can be Supplied with ABS and/or DNV Certificate for Offshore Mooring 1,2

CR sockets give the best possible connection between a chain and a rope anchoring system.



These sockets include our non-rotating system (NRS-system) which prevents the tamp from turning or slipping out of the cone and guarantees a high performance connection.

Non-standard sizes or custom products available on request.



	Rope Ø	Article nu	ımber	MBL	L A B C			ØD	E	F	G	Weight
NR.	mm	painted RAL 5013 blue	galvanised	tons				mm				kg ±
522	49 - 54	CR522P	CR522G	140	215	125	55	57	115	200	50	25
524	55 - 60	CR524P	CR524G	160	230	145	65	63	135	230	57	35
526	61 - 68	CR526P	CR526G	200	250	160	75	73	160	262	65	51
527	69 - 75	CR527P	CR527G	250	280	175	80	79	171	278	70	62
528	76 - 80	CR528P	CR528G	300	315	210	85	86	184	300	75	75
529	81 - 86	CR529P	CR529G	400	340	205	100	92	204	320	90	93
530	87 - 93	CR530P	CR530G	500	360	220	105	99	215	340	95	110
531	94 - 102	CR531P	CR531G	600	380	240	110	108	234	376	100	141
533	108 - 115	CR533P	CR533G	700	450	260	125	120	252	400	110	186

 $^{{\}tt 1} \ {\tt When \ DNV \ Product \ Certificate \ for \ Mooring \ is \ required, \ the \ test \ program \ as \ given \ in \ {\tt DNV-OS-E304 \ shall \ be \ followed.}$

² When ABS Product Certificate for Mooring is required, the test program as given in ABS Offshore Mooring Guide shall be followed.



CRX MOORING SOCKET



Material Forged steel Working Load Limit 20% of the MBL

Painted

Temperature Range -40°C up to +200°C Certificate of Conformity Standard Certification 3.1 material certificate EN 10204

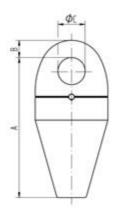


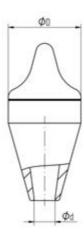


ISO 12944 coating on request.

Non-standard sizes or custom products available on request.







Article	Size	Ød Rope	MBL	A	v*	В	ØС	ØD.
number	inch	mm	tons	min. mm	max. mm		mm	
CRX_S_2 ½	2 ½	50 - 75	520	460	560	64	100	270
CRX_S_3	3	75 - 90	715	570	650	76	120	320
CRX_S_3 ½	3 ½	85 - 100	900	650	725	83	140	350
CRX_S_4	4	90 - 110	1000	720	810	102	160	430

^{*}related to specific rope diameter or wire rope construction.



SWIVEL SOCKETS





SWIVEL SOCKETS





CRX Rope Swivel socket P46



CR Rope Swivel



P47



Swivel Sockets with Eye or Jaw

• P49



CRX ROPE SWIVEL SOCKET

Material Forged steel Working Load Limit 20% of the MBL

Finish Painted

Temperature Range -40°C up to +200°C Certificate of Conformity Standard Certification



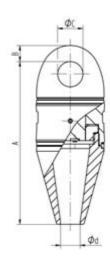


ISO 12944 coating on request.

Non-standard sizes or custom products available on request.









Article	Size	Ød Rope	MBL	ı	v*	В	øс	ØD⁺
number	mn	n	tons	min. mm	max. mm		mm	
CRX_Rope_2 ½	50 - 1	75	520	622	727	64	100	270
CRX_Rope_3	75 - 9	90	715	762	827	76	120	320
CRX_Rope_3 ½	85 - 1	.00	900	842	900	83	140	380
CRX_Rope_4	90 - 1	.10	1000	916	1000	102	160	430

^{*}related to specific rope diameter or wire rope construction.

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THE SOLID BRAND SINCE 1898



CR ROPE SWIVEL



Material Alloy steel quenched and tempered

Working Load Limit 20% of the MBL

Finish Painted

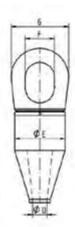
-20°C up to +200°C Temperature Range Standard Certification Certificate of Conformity

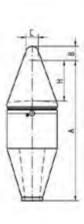


ISO 12944 coating on request.

Non-standard sizes or custom products available on request.







Size	Rope dia.	Article number	MBL	A	В	С	D	E	F	G	Н	Weight
inches	mm	painted	tons				n	nm				kg ±
2	40 - 54	CR-ROPE2	250	635	55	50	57	220	115	220	165	117
2 1/4	55 - 60	CR-ROPE21/4	300	690	65	57	63	238	135	230	195	138
2 ½	61 - 72	CR-ROPE2½	400	720	75	65	75	250	150	270	205	165
3	73 - 84	CR-ROPE3	600	835	85	75	86	300	175	342	240	245
3 ½	85 - 93	CR-ROPE3½	800	965	105	95	101	330	205	360	285	345
4	94 - 105	CR-ROPE4	900	1060	110	100	108	365	225	380	320	485



SWIVEL SOCKETS WITH EYE OR JAW



Material Alloy steel quenched and tempered

Working Load Limit 20% of the MBL Painted

Finish

-20°C up to +180°C Temperature Range Standard Certification Certificate of Conformity

3.1 material certificate EN 10204

Non-standard sizes or custom products available on request.

SWIVEL SOCKET WITH EYE







SWIVEL SOCKET WITH JAW







V052301









SWIVELS





Closed Body Swivel Eye Eye

◆ P56



Closed Body Swivel Jaw Jaw

♦ P57



Closed Body Swivel Eye Jaw

P59



CR Chain Swivel

♦ P60



CRX Mooring Swivel

• P61



Heavy Duty Swivel Eye Eye 9,5 - 150 tons

◆ P62



Heavy Duty Swivel Eye Eye 200 - 1750 tons

♦ P63



Heavy Duty Swivel Jaw Jaw 9,5 - 150 tons

♦ P64



Heavy Duty Swivel Jaw Jaw 200 - 1750 tons

• P65



Ballweight

◆ P66



Ballweight cylinder single and double hook

◆ P67



SWIVELS



Application information

Swivels are used in lifting, mooring, and anchoring applications. All our swivels can be designed with roller, thrust, plain, and low friction bearings depending on the application of use. Along with our standard design in these catalogue, special dimensions and special designs are possible. Closed Body Swivels are used mainly for rigging and lifting application for non-permanent applications. These swivels are made with a roller bearing. On request we can modify these for subsea use.

CR swivels, chain, and Rope Swivels are mainly used in anchor lines between a rope and a chain. These swivels are designed for subsea use and have plain bearings. Our CR-connectors are the perfect fit to the chain or socket.

Instructions for use

Swivels are designed for inline loads. Side loads are not acceptable and will damage the bearings. Roller bearings can be used under load, whereas plain bearings are mainly used for positioning installation loads. For swivels with jaw and safety pin ensure proper use of the nut and split pin. If the jaw gap is wider than the connecting part, use a spacer in order to get a properly centered load. Before use make sure the swivel is greased. After subsea use make sure the swivel is inspected and greased before re-use or storage. Maintenance for swivels by an expert is recommended every two years, with a maximum interval of four years.

Inspection

Inspection should take place at least every six months and even more frequently when the swivels are used in severe operating conditions. Swivels should be inspected before use to ensure that:

- all markings are legible;
- the swivel rotates freely:
- the swivel is undamaged and free of dirt;
- a safety bolt type swivel is never used without using a securing pin;
- swivels may not be heat treated as this may affect their Working Load Limit and damage the bearings.

Markings

At minimum, the following markings must be hard stamped in the swivel:

- Applicable Working load or Proof load;
- Brand mark:
- Production number







CLOSED BODY SWIVEL EYE EYE

Painted

Material : High tensile steel Safety Factor : 5 times SWL

Finish :

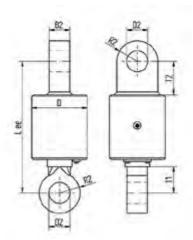
Temperature Range : -20°C up to +180°C
Standard Certification : Certificate of Conformity
Proof Load Certificate



Upon request also available for underwater use.

Non-standard sizes or custom products available on request.





SWL	Article number	B2	D2	D	Lee	R2	T2	T1	Weight
tons	painted				mm				kg ±
17	CBS017EE	55	65	170	410	70	130	85	44
25	CBS025EE	70	72	190	450	70	115	90	64
35	CBS035EE	80	82	250	540	85	130	100	133
55	CBS055EE	100	103	270	690	105	160	120	213
70	CBS070EE	100	111	290	700	115	170	130	252
85	CBS085EE	120	130	350	830	135	190	150	404
120	CBS120EE	140	155	430	920	170	225	185	663
150	CBS150EE	160	181	470	960	190	245	205	892
200	CBS200EE	170	193	530	1060	220	280	240	1224
250	CBS250EE	190	253	600	1170	260	340	265	1737
300	CBS300EE	190	293	750	1280	300	390	350	2769

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CLOSED BODY SWIVEL JAW JAW



Material : High tensile steel Safety Factor : 5 times SWL Finish : Painted

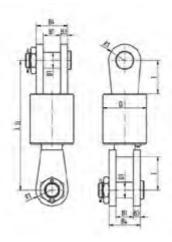
Temperature Range : -20°C up to +180°C
Standard Certification : Certificate of Conformity
Proof Load Certificate



Upon request also available for underwater use.

Non-standard sizes or custom products available on request.





SWL	Art. nr.	B1	В3	В4	D1	D	Ljj	R1	Т	Weight
tons	painted				m	m				kg ±
17	CBS017JJ	65	28	121	63	170	480	70	130	59
25	CBS025JJ	76	30	136	70	190	565	70	145	84
35	CBS035JJ	90	40	170	80	250	690	85	175	168
55	CBS055JJ	110	50	210	100	270	800	105	175	274
70	CBS070JJ	110	55	220	108	290	810	115	170	323
85	CBS085JJ	130	75	280	127	350	870	135	175	529
120	CBS120JJ	155	90	335	152	430	890	170	190	851
150	CBS150JJ	170	100	370	178	470	1003	190	210	1170
200	CBS200JJ	190	110	410	190	530	1150	220	250	1726
250	CBS250JJ	210	120	450	250	600	1240	260	280	2587
300	CBS300JJ	250	175	600	290	750	1350	300	300	4320



CLOSED BODY SWIVEL EYE JAW

Proof Load Certificate



Material : High tensile steel

Safety Factor : 5 times SWL Finish : Painted

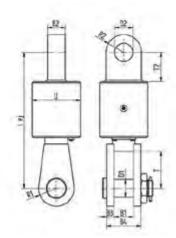
Temperature Range : -20 °C up to +180 °C Standard Certification : Certificate of Conformity



Upon request also available for underwater use.

Non-standard sizes or custom products available on request.





SWL	Article number	B1	В2	В3	В4	D1	D2	D	L ej	R1	R2	T	T2	Weight
tons	painted						m	ım						kg ±
17	CBS017EJ	65	55	28	121	63	65	170	480	70	70	130	13	55
25	CBS025EJ	76	70	30	136	70	72	190	535	70	70	145	115	77
35	CBS035EJ	90	80	40	170	80	82	250	645	85	85	175	130	156
55	CBS055EJ	110	100	50	210	100	103	270	785	105	105	175	160	254
70	CBS070EJ	110	100	55	220	108	111	290	810	115	115	170	170	275
85	CBS085EJ	130	120	75	280	127	130	350	855	135	135	175	190	448
120	CBS120EJ	155	140	90	335	152	155	430	925	170	170	190	225	734
150	CBS150EJ	170	160	100	370	178	181	470	1038	190	190	210	245	990
200	CBS200EJ	190	170	110	410	190	193	530	1180	220	220	250	280	1424
250	CBS250EJ	210	190	120	450	250	253	600	1300	260	260	280	340	2090
300	CBS300EJ	250	190	175	600	290	293	750	1440	300	300	300	390	3438



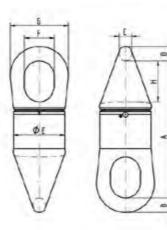
Material : Alloy steel quenched and tempered

Working Load Limit : 20% of the MBL Finish : Painted

Temperature Range : -20 °C up to +180 °C
Standard Certification : Certificate of Conformity
Proof Load Certificate

Non-standard sizes or custom products available on request.





MBL	Article number	PL	A	В	С	Е	F	G	Н	Weight
tons	painted	tons				mm				kg ±
250	CR-CHAIN2	100	610	55	50	200	115	200	165	130
300	CR-CHAIN2 ¹ / ₄	120	700	65	57	225	135	230	195	152
400	CR-CHAIN2½	160	710	75	65	250	150	270	205	180
600	CR-CHAIN3	240	805	85	75	300	175	342	240	295
800	CR-CHAIN3½	320	945	105	95	330	205	360	285	412
900	CR-CHAIN4	360	1065	110	100	360	225	380	320	520

CRX MOORING SWIVEL



Material : Alloy steel quenched and tempered

Steel Grade : R4 or R5 Finish : Painted

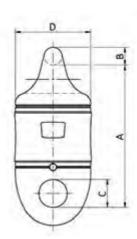
Temperature Range : -40 ° C up to +180 ° C Standard Certification : Certificate of Conformity

> DNV-OS-E302 DNV Type approval ABS Type approval R4 ABS Type approval R5









Grade R4 - Painted RAL 5013 blue

Article	Size	Kenter	PL	MBL	A	В	С	D	Weight ±
number	inch	inch	kN	kN		n	ım		kg
CRX-2-GR4	2	2 - 2 1/2	2327	2952	450	51	80	220	100
CRX-21/2-GR4	2 ½	2 1/2 - 3	3440	4364	540	64	100	275	187
CRX-3-GR4	3	3 - 3 1/2	4731	6001	605	76	120	325	284
CRX-31/2-GR4	3 1/2	3 1/2 - 4	6310	8004	670	89	140	380	427
CRX-4-GR4	4	4 - 4 1/2	8054	10217	755	102	160	435	627

Grade R5 - Painted RAL 1004 yellow

Article	Size	Kenter	PL	MBL	A	В	С	D	Weight ±
number	inch	inch	kN	kN		m	m		kg
CRX-2-GR5	2	2 - 2 1/2	2704	3447	450	51	80	220	100
CRX-21/2-GR5	2 ½	2 1/2 - 3	3997	5096	540	64	100	275	187
CRX-3-GR5	3	3 - 3 1/2	5498	7009	605	76	120	325	284
CRX-31/2-GR5	3 1/2	3 1/2 - 4	7332	9348	670	89	140	380	427
CRX-4-GR5	4	4 - 4 1/2	9359	11932	755	102	160	435	627



HEAVY DUTY SWIVEL EYE EYE 9,5 - 150 TONS

Material : Alloy steel quenched and tempered

Safety Factor : 5 times WLL Finish : Painted

Temperature Range : -20°C up to +180°C (-40°C available on request)

Standard Certification : Certificate of Conformity

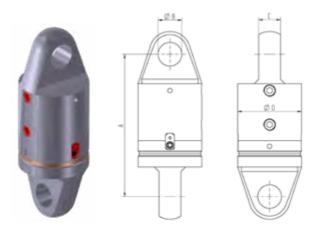
3.1 material Certificate EN 10204

Proofload Certificate



Upon request also available for underwater use.

Non-standard sizes or custom products available on request.



Article number	WLL	A	ØВ	C	ØD	E	Т	Weight ±
Article Hulliber	tons			m	m			kg
HDS9,5EE	9,5	268	36	32	125	n.a.	n.a.	19
HDS13,5EE	13,5	313	44	42	130	n.a.	n.a.	23
HDS17EE	17	313	52	48	140	n.a.	n.a.	28
HDS25EE	25	325	54	55	150	n.a.	n.a.	32
HDS35EE	35	378	60	70	170	n.a.	n.a.	52
HDS55EE	55	478	74	78	200	n.a.	n.a.	89
HDS85EE	85	538	88	98	230	n.a.	n.a.	140
HDS120EE	120	658	100	120	280	n.a.	n.a.	249
HDS150EE	150	728	114	126	300	n.a.	n.a.	321

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HEAVY DUTY SWIVEL EYE EYE 200 - 1750 TONS



Material : Alloy steel quenched and tempered

Safety Factor : 5 times WLL

Finish : Painted

Temperature Range : -20°C up to +180°C (-40°C available on request)

Standard Certification : Certificate of Conformity

3.1 material Certificate EN 10204

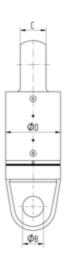


Upon request also available for underwater use.

Non-standard sizes or custom products available on request.







Article number	WLL	A	ØB	С	ØD	
	tons	mm				
HDS200EE	200	865	130	150	350	
HDS250EE	250	1040	145	160	400	
HDS300EE	300	1175	155	175	480	
HDS400EE	400	1310	180	210	520	
HDS500EE	500	1355	190	235	520	
HDS600EE	600	1530	210	265	600	
HDS700EE	700	1580	222	290	600	
HDS800EE	800	1660	235	290	650	
HDS900EE	900	1780	255	310	710	
HDS1000EE	1000	1830	275	330	710	
HDS1250EE	1250	1995	305	350	790	
HDS1550EE	1550	2115	325	350	840	
HDS1750EE	1750	2225	365	410	890	



HEAVY DUTY SWIVEL JAW JAW 9,5 - 150 TONS

Material Alloy steel quenched and tempered

Safety Factor 5 times WLL

Finish Painted

Temperature Range -20°C up to +180°C (-40°C available on request)

Standard Certification Certificate of Conformity

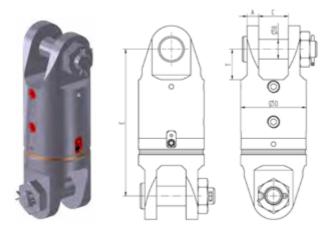
3.1 material Certificate EN 10204

Proofload Certificate



Upon request also available for underwater use.

Non-standard sizes or custom products available on request.



Article number	WLL	A	ØВ	С	ØD	E	Т	Weight ±
Article number	tons		kg					
HDS9,5JJ	9,5	16	32	50	125	268	50	21
HDS13,5JJ	13,5	22	38	60	130	313	70	27
HDS17JJ	17	25	42	63	140	313	65	33
HDS25JJ	25	26	50	78	150	328	65	41
HDS35JJ	35	35	57	90	180	378	75	66
HDS55JJ	55	40	70	110	220	473	100	119
HDS85JJ	85	50	83	130	260	538	110	195
HDS120JJ	120	60	95	150	320	658	135	347
HDS150JJ	150	65	108	180	360	728	150	471

HEAVY DUTY SWIVEL JAW JAW 200 - 1750 TONS



Material : Alloy steel quenched and tempered

Safety Factor : 5 times WLL

Finish : Painted

Temperature Range : -20°C up to +180°C (-40°C available on request)

Standard Certification : Certificate of Conformity

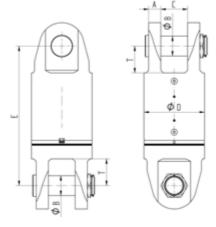
3.1 material Certificate EN 10204



Upon request also available for underwater use.

Non-standard sizes or custom products available on request.





Article number	WLL	A	ØВ	С	ØD	E	т	
	tons		mm					
HDS200JJ	200	70	125	160	360	875	170	
HDS250JJ	250	80	140	180	450	1050	200	
HDS300JJ	300	90	150	195	490	1185	215	
HDS400JJ	400	100	175	230	570	1320	240	
HDS500JJ	500	120	185	255	630	1365	250	
HDS600JJ	600	130	205	285	690	1540	265	
HDS700JJ	700	140	217	310	740	1590	280	
HDS800JJ	800	140	230	310	770	1670	305	
HDS900JJ	900	150	250	330	820	1790	320	
HDS1000JJ	1000	165	270	350	880	1840	335	
HDS1250JJ	1250	175	300	370	970	2005	375	
HDS1550JJ	1550	175	320	370	1000	2125	425	
HDS1750JJ	1750	205	360	430	1140	2235	440	





Material : Alloy steel quenched and tempered

Safety Factor : 4 times SWL Finish : Painted

Temperature Range : -20°C up to +180°C

(-40 ° C available on request)
Standard Certification : Certificate of Conformity
Proofload certificate included

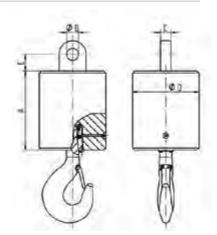
3.1 material Certificate EN 10204



Upon request also available for underwater use.

Non-standard sizes or custom products available on request.

Please contact our sales representatives or visit our online product platform for more information about our product applications and options.



BALLWEIGHT CYLINDER SINGLE AND DOUBLE HOOK



Safety : 4 times WLL Finish : Painted

Temperature Range : -20 °C up to +180 °C (-40 °C available on request)

Standard Certification : Certificate of Conformity
Proofload certificate included

Proofload certificate included 3.1 material Certificate EN 10204

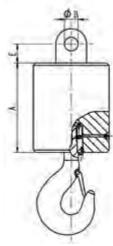


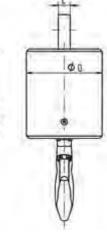
Upon request also available for underwater use.

Non-standard sizes or custom products available on request.

BALLWEIGHT CYLINDER SINGLE HOOK







BALLWEIGHT CYLINDER DOUBLE HOOK













HOOK BLOCKS FOR OVERHEAD TRAVELLING CRANES 💠







1 and 2 sheave(s) overhead travelling crane ◆ P74



4 and 6 sheaves overhead travelling crane ♦ P75



HOOK BLOCKS FOR OVERHEAD TRAVELLING CRANES (1)





Safety Factor 4 times Finish Painted

Temperature Range -20°C up to +180°C (-40°C on request) Standard Certification

Certificate of Conformity

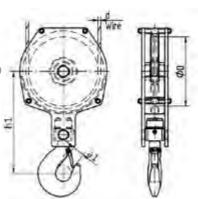
Hook Certificate



Several options for painting according ISO 12944 on request.

Proof Load Certificate on request.

Non-standard sizes or custom products available on request.



SPECIFICATION & OPTIONS



Type of hook

Hooks are available in single or double version



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Size of hook

Connector for wire rope end-fitting.



Lifting class

SWL/WLL

Dead-end becket

Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.



Hook locking device

Available upon request in order to prevent the hook from twisting. Can be programmed to four times 90°.



Heat protection shield

Available upon request along with your product in order to protect the structure from high temperatures.

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1 AND 2 SHEAVE(S) OVERHEAD TRAVELLING CRANE

Safety Factor : 4 times Finish : Painted

Temperature Range : -20 °C up to +180 °C (-40 °C on request)

Standard Certification : Certificate of Conformity

Hook Certificate





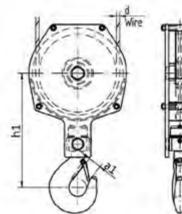
Several options for painting according ISO 12944 on request.

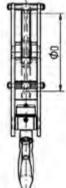
Proof Load Certificate on request.

Non-standard sizes or custom products available on request.

1 SHEAVE OVERHEAD TRAVELLING CRANE

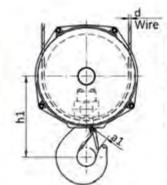


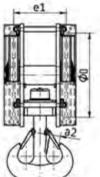




2 SHEAVES OVERHEAD TRAVELLING CRANE







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4 AND 6 SHEAVES OVERHEAD TRAVELLING CRANE



Safety Factor : 4 times Finish : Painted

Temperature Range : -20°C up to +180°C (-40°C on request)

Standard Certification : Certificate of Conformity

Hook Certificate



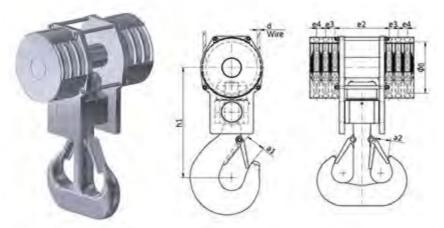


Several options for painting according ISO 12944 on request.

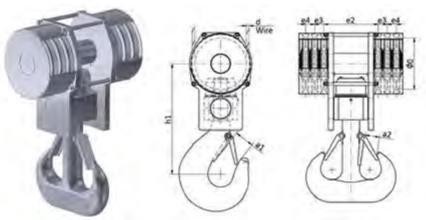
Proof Load Certificate on request.

Non-standard sizes or custom products available on request.

4 SHEAVES OVERHEAD TRAVELLING CRANE



6 SHEAVES OVERHEAD TRAVELLING CRANE



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HOOK BLOCKS





HOOK BLOCKS





Standard reeve block 1 sheave

• P84



Standard reeve block 3 sheaves

• P85



Hook blocks speed reeve 1 and 3 sheave(s)

◆ P88



Hook blocks speed reeve 5 and 7 sheaves

• P89



Shipboard crane block 1 sheave

• P90



Shipboard crane block 2 sheaves

P91



Twin Hook blocks

• P93

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HOOK BLOCKS



General operating instructions for blocks

In general, Blocks are used as part of a system that is used to hoist, lift, and/or move a load. Without appropriate measures, the blocks may not be used under extreme conditions such as high or low temperatures and chemical influences, nor for heavily jolting loads. We recommend that Blocks only be used within the specified safe working load (SWL).

General maintenance of blocks

Blocks have to be checked and lubricated regularly. Maintenance depends on the frequency of use, the user's judgment and the conditions under which the Blocks are used.

The following points apply to general maintenance:

- Load-bearing pins or shafts, sheaves, plates, bearings, and connecting points have to be checked regularly.
 Non-standard use can lead to premature replacement of the components or rejection of the Block.
- 2. Inexpert maintenance and/or overloading can lead to deformation! If the plates, pins, shafts, connecting points, etc., are deformed, they must be replaced/repaired.
- 3. Deformed plates must be replaced.
- 4. After dismantling and assembly, all nuts, bolts, and other fastenings should be checked. The original safety measures must be applied.
- 5. Pins and shafts have to be checked regularly.
- 6. If applicable: check that the shaft nuts are in the correct position.
- 7. Check that the safety valve(s) are in good working order.
- 8. Welded stress related sections must be checked regularly for cracks.
- 9. If any defects are found, contact the supplier of the Blocks, mentioning the brands.





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HOOK BLOCKS STANDARD REEVE









Safety Factor 4 times Finish Painted

Temperature Range -20°C up to +180°C (-40°C on request)

Standard Certification Certificate of Conformity

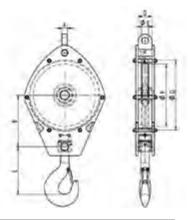
Hook Certificate



Several options for painting according ISO 12944 on request.

Proof Load Certificate on request.

Non-standard sizes or custom products available on request.



SPECIFICATION & OPTIONS



Own weight

The product's own weight.



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Type of hook

Hooks are available in single or double version.



Size of hook



Hook locking device

Available upon request in order to prevent the hook from twisting. Can be programmed to four times 90°.



The crane type is decisive in selecting the pulley block. We advise you on the right product to fit your crane type.



Number of sheaves

The number of sheaves per product. This can be a standard amount or one available upon request.



Dead-end becket Connector for wire rope end-fitting.

Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.

SWL/WLL

V052301

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STANDARD REEVE BLOCK 1 SHEAVE

Safety Factor : 4 times Finish : Painted

Temperature Range : $-20\,^{\circ}\text{C}$ up to $+180\,^{\circ}\text{C}$ ($-40\,^{\circ}\text{C}$ on request)

Standard Certification : Certificate of Conformity
Hook Certificate

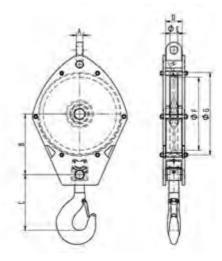


Several options for painting according ISO 12944 on request.

Proof Load Certificate on request.

Non-standard sizes or custom products available on request.





SPECIFICATION & OPTIONS



Own weight
The product's own weight.



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Type of hook

Hooks are available in single or double version.



Size of hook



Hook locking device

Available upon request in order to prevent the hook from twisting. Can be programmed to four times 90°.



Crane type

The crane type is decisive in selecting the pulley block. We advise you on the right product to fit your crane type.



Number of sheaves

The number of sheaves per product. This can be a standard amount or one available upon request.



Connector for wire rope end-fitting, SWL/WLL

Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.

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STANDARD REEVE BLOCK 3 SHEAVES



Safety Factor : 4 times Finish : Painted

Temperature Range : -20°C up to +180°C (-40°C on request)

Standard Certification : Certificate of Conformity

Hook Certificate

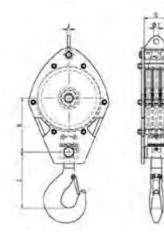


Several options for painting according ISO 12944 on request.

Proof Load Certificate on request.

Non-standard sizes or custom products available on request.





SPECIFICATION & OPTIONS



Own weight
The product's own weight.



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Type of hook

Hooks are available in single or double version.



Size of hook



Hook locking device

Available upon request in order to prevent the hook from twisting. Can be programmed to four times 90°.



Crane type

The crane type is decisive in selecting the pulley block, We advise you on the right product to fit your crane type.



Number of sheaves

The number of sheaves per product. This can be a standard amount or one available upon request.



Connector for wire rope end-fitting.

SWL/WLL

Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.

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HOOK BLOCKS SPEED REEVE













Safety Factor 4 times Finish Painted

Temperature Range -20°C up to +180°C (-40°C on request)

Standard Certification Certificate of Conformity

Hook Certificate



Several options for painting according ISO 12944 on request.

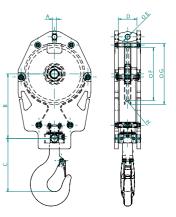


Upon request also available for underwater use.

Proof Load Certificate on request.

Non-standard sizes or custom products available on request.

Please contact our sales representatives or visit our online product platform for more information about our product applications and options.



SPECIFICATION & OPTIONS



Own weight

The product's own weight.



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Type of hook

Hooks are available in single or double



Size of hook



Dead-end becket

Connector for wire rope end-fitting.



The crane type is decisive in selecting the pulley block. We advise you on the right product to fit your crane type.





Number of sheaves

The number of sheaves per product. This can be a standard amount or one available upon request.



Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.



Hook locking device

Available upon request in order to prevent the hook from twisting. Can be programmed to four times 90°.

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HOOK BLOCKS SPEED REEVE 1 AND 3 SHEAVE(S)

Safety Factor : 4 times Finish : Painted

Temperature Range : $-20\,^{\circ}\text{C}$ up to $+180\,^{\circ}\text{C}$ (- $40\,^{\circ}\text{C}$ on request)

Standard Certification : Certificate of Conformity





Several options for painting according ISO 12944 on request.

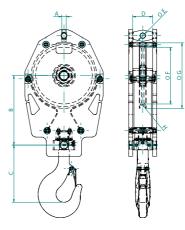
Proof Load Certificate on request.

Non-standard sizes or custom products available on request.

Please contact our sales representatives or visit our online product platform for more information about our product applications and options.

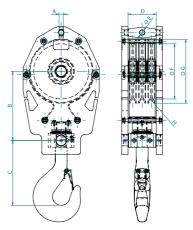
HOOK BLOCK SPEED REEVE 1 SHEAVE





HOOK BLOCK SPEED REEVE 3 SHEAVES







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HOOK BLOCKS SPEED REEVE 5 AND 7 SHEAVES



Safety Factor : 4 times Finish : Painted

Temperature Range : -20 °C up to +180 °C (-40 °C on request)

Standard Certification : Certificate of Conformity





Several options for painting according ISO 12944 on request.

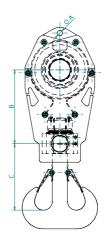
Proof Load Certificate on request.

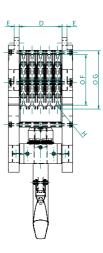
Non-standard sizes or custom products available on request.

Please contact our sales representatives or visit our online product platform for more information about our product applications and options.

HOOK BLOCK SPEED REEVE 5 SHEAVES

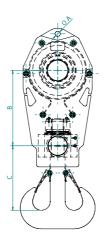


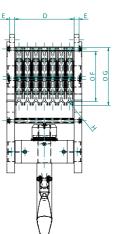




HOOK BLOCK SPEED REEVE 7 SHEAVES







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SHIPBOARD CRANE BLOCK 1 SHEAVE

Finish Painted

Temperature Range -20°C up to +180°C Standard Certification Certificate of Conformity

Certification on Request 3.1 material Certificate EN 10204

Hook Certificate



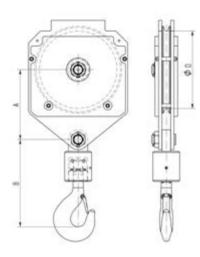
Several options for painting according ISO 12944 on request.

Proof Load Certificate on request.

Non-standard sizes or custom products available on request.

Please contact our sales representatives or visit our online product platform for more information about our product applications and options.





SPECIFICATION & OPTIONS



Own weight The product's own weight.



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Type of hook

Hooks are available in single or double version.



Size of hook



Connector for wire rope end-fitting.



Crane type

The crane type is decisive in selecting the pulley block. We advise you on the right product to fit your crane type.



Number of sheaves

The number of sheaves per product. This can be a standard amount or one available upon request.

SWL/WLL

Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.

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SHIPBOARD CRANE BLOCK 2 SHEAVES



Finish Painted

Temperature Range -20°C up to +180°C (-40°C on request) Standard Certification Certificate of Conformity

Certification on Request 3.1 material Certificate EN 10204



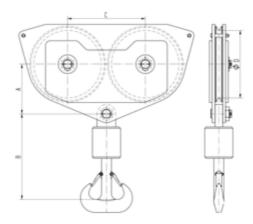
Several options for painting according ISO 12944 on request.

Proof Load Certificate on request.

Non-standard sizes or custom products available on request.

Please contact our sales representatives or visit our online product platform for more information about our product applications and options.





SPECIFICATION & OPTIONS



Own weight The product's own weight.



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Type of hook

Hooks are available in single or double version.



Size of hook



Connector for wire rope end-fitting.



The crane type is decisive in selecting the pulley block. We advise you on the right product to fit your crane type.



Number of sheaves

The number of sheaves per product. This can be a standard amount or one available upon request.

SWL/WLL

Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.

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TWIN HOOK BLOCKS







Finish Painted

Temperature Range -20°C up to +180°C (-40°C on request) Standard Certification Certificate of Conformity

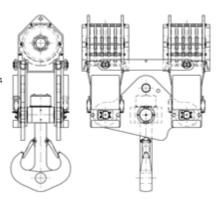
Certification on Request 3.1 material Certificate EN 10204

Several options for painting according ISO 12944 on request.

Proof Load Certificate on request.

Blocks can be used individually as single blocks with the same hook.

Non-standard sizes or custom products available on request.



SPECIFICATION & OPTIONS



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.

SWL/WLL

Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.



Type of hook Hooks are available

in single or double version.



Size of hook



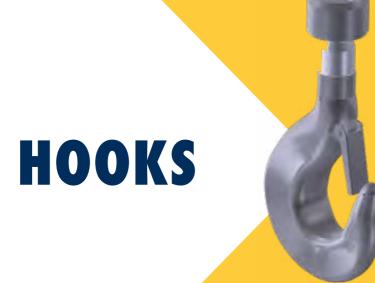
rope end-fitting.



Own weight The product's own weight.

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HOOKS







Double hooks

P99



SINGLE HOOKS & DOUBLE HOOKS









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SHEAVES

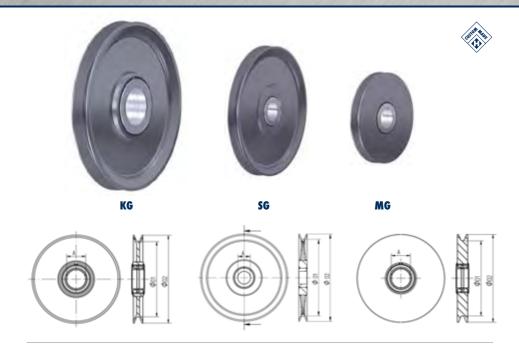






SHEAVES





3 types of sheaves: KG, SG and MG.

KG: Roll-forged sheave. SG: Welded sheave.

MG: Sheave machined from solid.

SPECIFICATION & OPTIONS



Groove hardness

Groove hardness to be realized to meet your needs.



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Own weight

The product's own weight.





Type of bearing

Type of bearing; roller or bronze.



Color code

Color code expressed in RAL values.



Painting system

System customized to the customer's requirements.



SHEAVES KG AND SG

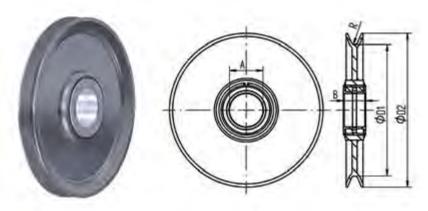


SHEAVE KG



Sheave is available in any size with maximum outside diameter (d2) 1200mm and rope diameter 40mm.

On request available with any type of bearing.



SHEAVE SG



Sheave is available in any size up to 4000mm.

On request available with any type of bearing.



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SHEAVE MG



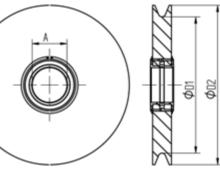




Sheave is available in any size.

On request available with any type of bearing.







VERTICAL LEAD SHEAVE







Material High tensile steel Painted

Finish

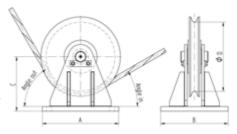
Temperature Range -20°C up to +180°C (-40°C on request) Standard Certification

Certificate of Conformity



Several options for painting according ISO 12944 on request.

Non-standard sizes or custom products available on request.



SPECIFICATION & OPTIONS



The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Wrap angle

The angle between the incoming and outgoing wire.





Type of bearing Type of bearing; roller or bronze.



Line pull (tons) Line pull of single line.



Connection to construction

Connection to construction; bolted or welded.

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Reevings

Reeving with or without releasing the end-fitting.

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HORIZONTAL LEAD SHEAVE







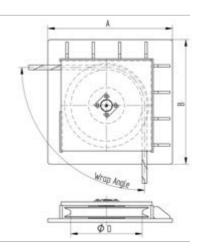
Material High tensile steel

Finish Painted

Temperature Range -20°C up to +180°C (-40°C on request) Standard Certification Certificate of Conformity

Several options for painting according ISO 12944 on request.

Non-standard sizes or custom products available on request.



SPECIFICATION & OPTIONS



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.



Wrap angle

The angle between the incoming and outgoing wire.





Type of bearing Type of bearing; roller or bronze.



Line pull (tons) Line pull of single line.



Connection to construction

Connection to construction; bolted or welded.



Reeving with or without releasing the end-fitting.







GENERAL PRODUCTS





HD turnbuckle
Eye Eye
P114



HD turnbuckle Jaw Jaw P115



HD turnbuckle
Eye Jaw
P117



Light type
Snatchblock

P118



Heavy type
Snatchblock

P119



Snatchblock with safety window

◆ P121



Construction Block with Eye

P122



Construction Block with Jaw
P123



Special products

• P125



HD TURNBUCKLE EYE EYE

Material : High tensile steel

Safety Factor : 5 times

Finish : Painted RAL 5013
Temperature Range : -20°C up to +180°C
Standard Certification : Certificate of Conformity

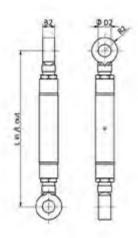
Proof Load Certificate on request.

Non-standard sizes or custom products available on request.
Only with additional locking device suitable for lifting.
(On request available)

This type of rigging screw meets the requirement as laid down in the Dutch, British, American and other dock regulations. Deliverable with two securing nuts or plates upon request. Custom design screws can be constructed in any size and capacity. Rigging screws are supplied with trapezium thread.

Standard supplied with two securing nuts. This type of rigging screw meets the requirements as laid down in the Dutch,
British, American and other Dock regulations.





Trap.	Article number	SWL		LIN	L OUT	B2 (mm)	R2 (mm)	ØD2 (mm)
mm	painted RAL 5013 blue	tons	kN	mm		Stud Eye		'
55 x 8	HDRS013,5EE	13,5	133	840	1165	50	60	53
65 x 8	HDRS017EE	17	167	920	1270	55	70	65
70 x 8	HDRS025EE	25	245	975	1305	70	70	72
75 x 8	HDRS030EE	30	294	1020	1390	70	75	74
80 x 8	HDRS035EE	35	343	1100	1500	80	85	82
90 x 8	HDRS045EE	45	442	1170	1650	90	95	93
100 x 8	HDRS055EE	55	540	1270	1780	100	105	103
110 x 8	HDRS070EE	70	687	1390	1940	100	115	111
120 x 8	HDRS085EE	85	834	1515	2150	125	135	130
130 x 8	HDRS100EE	100	981	1600	2330	125	145	143
140 x 8	HDRS120EE	120	1177	1735	2330	140	170	155
160 x 8	HDRS160EE	160	1570	1860	2460	160	190	181
180 x 8	HDRS200EE	200	1962	2000	2620	170	200	193
200 x 8	HDRS250EE	250	2453	2210	2880	190	260	253

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HD TURNBUCKLE JAW JAW



Material : High tensile steel

Safety Factor : 5 times

Finish : Painted RAL 5013
Temperature Range : -20°C up to +180°C
Standard Certification : Certificate of Conformity

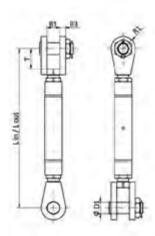
Proof Load Certificate on request.

Non-standard sizes or custom products available on request.
Only with additional locking device suitable for lifting.
(On request available)

This type of rigging screw meets the requirement as laid down in the Dutch, British, American and other dock regulations. Deliverable with two securing nuts or plates upon request. Custom design screws can be constructed in any size and capacity. Rigging screws are supplied with trapezium thread.

Standard supplied with two securing nuts. This type of rigging screw meets the requirements as laid down in the Dutch,
British, American and other Dock regulations.





Trap.	Article number SWL		LIN	L OUT	B1 (mm)	B3 (mm)	T (mm)	ØD1 (mm)	R1 (mm)	
mm	painted RAL 5013 blue	tons	kN	mm		Double Lug				
55 x 8	HDRS013,5JJ	13.5	133	935	1260	55	20	120	51	60
65 x 8	HDRS017JJ	17	167	1010	1360	65	28	130	63	70
70 x 8	HDRS025JJ	25	245	1085	1415	76	30	145	70	70
75 x 8	HDRS030JJ	30	294	1160	1530	80	35	160	72	75
80 x 8	HDRS035JJ	35	343	1250	1650	90	40	175	80	85
90 x 8	HDRS045JJ	45	442	1300	1780	100	45	175	90	95
100 x 8	HDRS055JJ	55	540	1380	1890	110	50	175	100	105
110 x 8	HDRS070JJ	70	687	1480	2025	110	55	175	108	115
120 x 8	HDRS085JJ	85	834	1565	2200	130	75	175	127	135
130 x 8	HDRS100JJ	100	981	1630	2360	140	90	175	140	145
140 x 8	HDRS120JJ	120	1177	1745	2340	155	90	190	152	170
160 x 8	HDRS160JJ	160	1570	1870	2470	170	100	210	178	190
180 x 8	HDRS200JJ	200	1962	2020	2640	190	110	250	190	220
200 x 8	HDRS250JJ	250	2453	2170	2840	210	120	280	250	260



HD TURNBUCKLE EYE JAW



Material : High tensile steel

Safety Factor : 5 times

Finish : Painted RAL 5013
Temperature Range : -20°C up to +180°C
Standard Certification : Certificate of Conformity

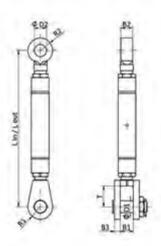
Proof Load Certificate on request.

Non-standard sizes or custom products available on request.
Only with additional locking device suitable for lifting.
(On request available)

This type of rigging screw meets the requirement as laid down in the Dutch, British, American and other dock regulations. Deliverable with two securing nuts or plates upon request. Custom design screws can be constructed in any size and capacity. Rigging screws are supplied with trapezium thread.

Standard supplied with two securing nuts. This type of rigging screw meets the requirements as laid down in the Dutch,
British, American and other Dock regulations.





Trap.	Article number	SWL		LIN	L OUT	B1 (mm)	B3 (mm)	T (mm)	D1 (mm)	R1 (mm)	B2 (mm)	R2 (mm)	D2 (mm)	
mm	painted RAL 5013 blue	tons	kN	mm	mm			Jaw	Jaw			Stud Eye		
55 x 8	HDRS013,5EJ	13,5	133	890	1215	55	20	120	51	60	50	60	53	
65 x 8	HDRS017EJ	17	176	965	1315	65	28	130	63	70	55	70	65	
70 x 8	HDRS025EJ	25	245	1030	1360	76	30	145	70	70	70	70	72	
75 x 8	HDRS030EJ	30	294	1090	1460	80	35	160	72	75	70	75	74	
80 x 8	HDRS035EJ	35	343	1175	1575	90	40	175	80	85	80	85	82	
90 x 8	HDRS045EJ	45	442	1235	1715	100	45	175	90	95	90	95	93	
100 x 8	HDRS055EJ	55	540	1325	1835	110	50	175	100	105	100	105	103	
110 x 8	HDRS070EJ	70	687	1435	1985	110	55	175	108	115	100	115	111	
120 x 8	HDRS085EJ	85	834	1540	2175	130	75	175	127	135	120	135	130	
130 x 8	HDRS100EJ	100	981	1615	2345	140	90	175	140	145	130	145	143	
140 x 8	HDRS120EJ	120	1177	1740	2335	155	90	190	152	170	140	170	155	
160 x 8	HDRS160EJ	160	1570	1865	2465	170	100	210	178	190	160	190	181	
180 x 8	HDRS200EJ	200	1962	2010	2630	190	110	250	190	220	170	200	193	
200 x 8	HDRS250EJ	250	2453	2190	2860	210	120	280	250	260	190	260	253	



LIGHT TYPE SNATCHBLOCK

Material : Mild steel Safety Factor : 4 times Finish : Painted

Temperature Range : -20 °C up to +180 °C
Standard Certification : Certificate of Conformity
Proofload Certificate



Sheaves with roller bearing on request.

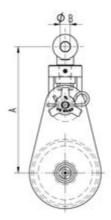


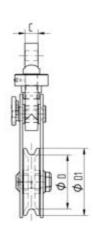
Groove size can be modified on request for customized rope sizes.



Available with shackle







Туре	SWL	Rope size	Line pull	Suitable for Shackle	A	ØB	С	ØD	ØD1	Weight
Турс	tons	mm	tons				kg ±			
H41903	3.25	8 - 10	1.625	3.25	188	20.5	25	56	75	4
H41905	4.75	11 - 14	2.375	4.75	250	24	30	86	114	9
H41906	8.5	18 - 20	4.25	8.5	356	30	40	112	152	19
H41908	8.5	18 - 20	4.25	8.5	381	30	40	163	203	24
H41910	9.5	18 - 20	4.75	9.5	406	34	44	214	254	30
H41912	9.5	18 - 20	4.75	9.5	446	34	44	265	305	39
H41914	12	18 - 20	6	12	516	37	48	305	355	50
H41916	13.5	22 - 25	6.75	13.5	645	42	54	356	406	93
H41918	17	22 - 25	8.5	17	690	44	57	408	458	112

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HEAVY TYPE SNATCHBLOCK



Material : Mild steel Safety Factor : 4 times Finish : Painted

Temperature Range : -20 °C up to +180 °C
Standard Certification : Certificate of Conformity
Proofload Certificate



Sheaves with roller bearing on request.

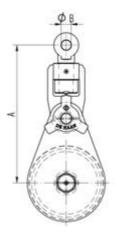


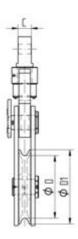
Groove size can be modified on request for customized rope sizes.



Available with shackle







Туре	SWL	Rope size	Line pull	Suitable for Shackle	A	ØВ	С	ØD	ØD1	Weight	
-5,6-5	tons	mm	1	tons		mm					
H43106	17	22 - 25	8.5	17	490	44	57	110	150	49	
H43108	25	25 - 28	12.5	25	602	53	70	150	200	78	
H43110	25	28 - 32	12.5	25	632	53	70	190	250	92	
H43112	25	28 - 32	12.5	25	662	53	70	240	300	112	
H43114	25	28 - 32	12.5	25	692	53	70	290	350	127	
H43118	35	32 - 38	17.5	35	835	60	80	380	450	213	
H43120	35	32 - 38	17.5	35	865	60	80	430	500	243	
H43124	35	32 - 38	17.5	35	925	60	80	535	605	308	
H43224	55	38 - 42	27.5	55	1040	73	100	520	605	449	
H43230	85	44 - 48	42.5	85	1212	85	120	630	750	938	
H43234	120	50 - 55	60	120	1327	100	140	740	860	1319	
H43236	150	60 - 70	75	150	1427	113	160	760	910	1600	
H43242	200	75 - 85	100	200	1630	135	170	870	1060	2285	
H43246	250	88 - 93	125	250	1785	145	190	970	1170	3015	



SNATCHBLOCK WITH SAFETY WINDOW



Material : Mild steel Safety Factor : 4 times Finish : Painted

Temperature Range : -20°C up to +180°C
Standard Certification : Certificate of Conformity
Proofload Certificate



Sheaves with roller bearing on request.

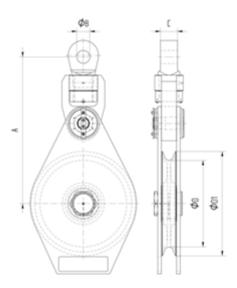


Groove size can be modified on request for customized rope sizes.



Available with shackle





Туре	WLL	Rope size	Line pull	Suitable for Shackle	A	ØВ	С	ØD	ØD1	Weight
Турс	tons	mm	tons				kg ±			
SH43106	17	22 - 25	8.5	17	385	44	55	110	150	33
SH43110	25	28 - 32	12.5	25	500	53	70	160	250	70
SH43118	35	32 - 38	17.5	35	680	60	80	380	450	160
SH43224	55	38 - 42	27.5	55	850	73	100	520	605	260
SH43230	85	44 - 48	42.5	85	1020	85	120	640	760	484
SH43234	120	50 - 55	60	120	1190	100	140	740	860	740
SH43236	150	60 - 70	75	150	1320	113	160	760	910	992
SH43242	200	75 - 85	100	200	1490	135	170	870	1060	1573
SH43246	250	88 - 93	125	250	1645	145	190	970	1170	2097



CONSTRUCTION BLOCK WITH EYE





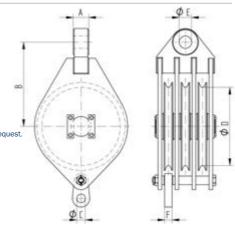
Safety Factor 4 times Finish Painted Temperature Range -20°C up to +180°C

(-40°C on request) Standard Certification

Certificate of Conformity Proof Load Certificate on request.



Also available with shackle



SPECIFICATION & OPTIONS





Type of bearing Type of bearing; roller or bronze.



Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.





Number of sheaves

The number of sheaves per product. This can be a standard amount or one available upon request.

SWL/WLL

Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.

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CONSTRUCTION BLOCK WITH JAW



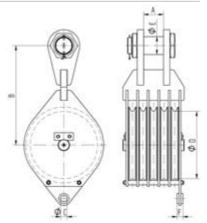




4 times Safety Factor Finish Painted

-20°C up to +180°C Temperature Range (-40°C on request) Standard Certification Certificate of Conformity

Proof Load Certificate on request.



SPECIFICATION & OPTIONS











Size of wire

The size of the wire is relevant for the groove and the diameter (D/d-ratio) of the sheaves.





Number of sheaves

The number of sheaves per product. This can be a standard amount or one available upon request.

SWL/WLL

Working Load Limit (or Safe Working Load); the maximum load the relevant product is allowed to lift.



SPECIAL PRODUCTS



Material : High tensile steel

Finish : Painted

Temperature Range : -20°C up to +180°C (-40°C on request)

Standard Certification : Certificate of Conformity





Several options for painting according ISO 12944 on request.

Special products available on request.





