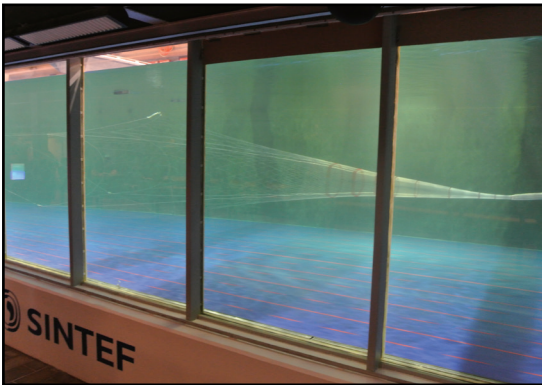




BMINTECHNICAL INTERNATIONAL CO.,LTD.
www.bminternational.co.kr

Welcome to BMINTERNATIONAL

BMI (Bada Trawl, Mobydick Trawldoors, International network) is the best pioneer corporation in Northeast Asia. We have manufactured and developed the Trawls, Trawldoors, Codend, applicable accessories for various marine species. BMI provides ultimate solutions for the trawl industry with state of the art technology and several year's worth of know-how as our background and global network.



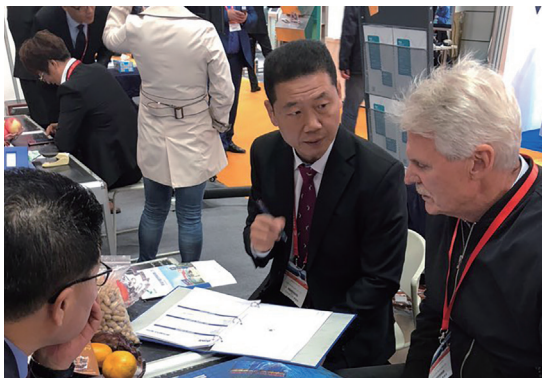
BEST

BMI operates Development Institute Of Marine Technology (DIMIT). The R&D center has large-scaled flume tank with state of the art testing equipment and software, concentrating its efforts on research and development and quality control, such as the optimized simulation of practical fishing operations.



MOST

Based on the best quality control system, the quality degradation factors that may occur in the production process are prevented. It uses perfect materials in terms of quality to produce the best products. Because of this enterprise-wide quality management, BMI's products can be the most superior in the industry.



INNOVATE

In accordance with the rapidly changing environment of the world fisheries industry, BMI is developing innovative products through constant creative activities. Keep up with the times, always craving and studying new things. It makes BMI becomes a leading company in the global market.

We promise to supply superior products with the best quality and economical price. Our company's first priority is customer satisfaction. BMI will be the best partner for you.

Company History

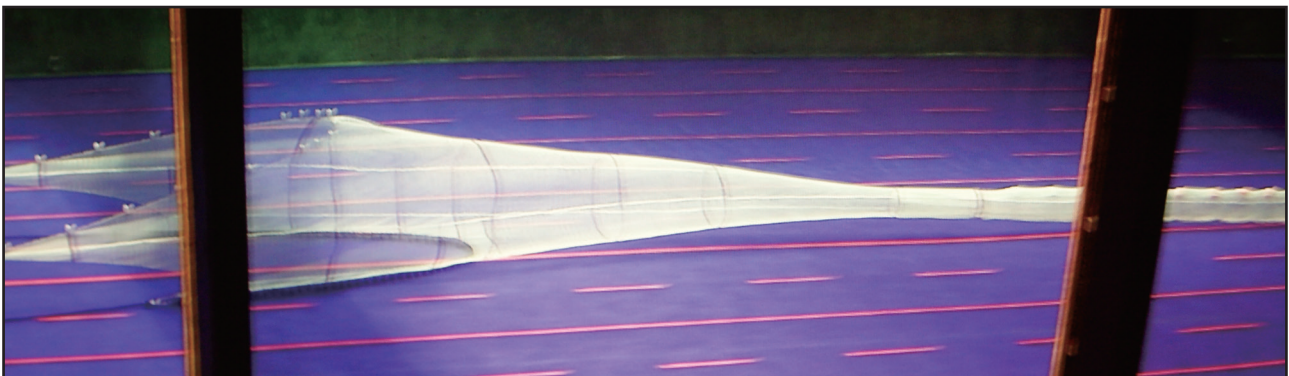
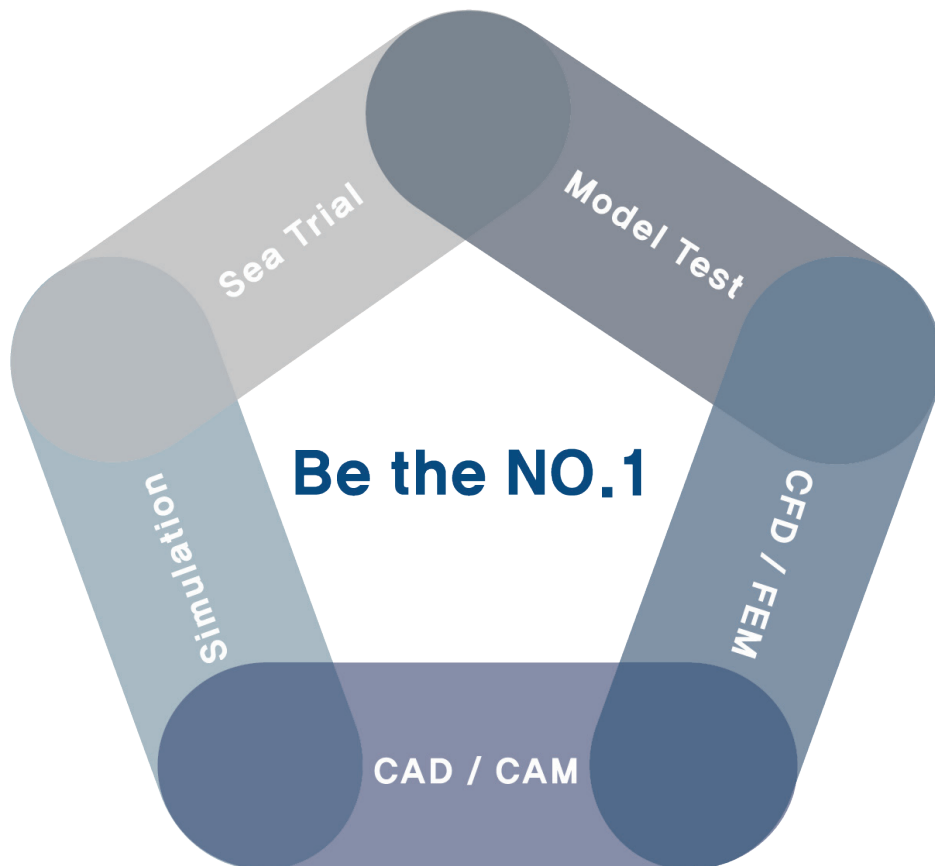


- 1982.01** ● Founded the Baek Kyung Industry
- 1999.02** Founded the Baek Kyung Ind.Co.,Ltd.
- 1999.08** ISO 9001 quality Assured (Certificate No : 55766)
- 2001.11** ● Venture business start up. (NO.2001122371-951)
- 2002.10** Founded the Bada Fishing Systems.
- 2002.12** ISO 9001: 2000 certification acquired (BVQI Cert no. 120254)
- 2003.08** R&D center completed; Development Institute of Marine Technology.
- 2006.11** INNO - BIZ designated (No. 6021-2703)
- 2009.06** Founded the Bada Fishing Systems Co.,Ltd.
- 2010.01** ● Established the BMINTERNATIONAL Co.,Ltd.
(Merger between Baek Kyung Ind. Co., Ltd and Bada Fishing Systems Co., Ltd.)
- 2012.02** Established the J.B.T.S. (JAYA BMI TRAWL SYSTEMS)
- 2013.12** Established the branch in Australia.



DIMT (DIMIT : Development Institute of Marine Technology)

BMI operates Development Institute of Marine Technology (DIMIT) for basic, production and design technology related to trawl system. BMI has successfully developed various new technologies based on the center's precision measurement and correction capabilities such as CFD analysis, PIV system, Motion Capture, Structural Analysis, Trawl Simulation and Sea Trial.



CONTENTS



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Foot rope gear	J
Course(Thimble)	K
Swivel	L
Float / Buoy	M
Tool	N
Etc.	O



**BADA
TRAWL**

BADA

bottomtrawl

SCORPION

TAURUS

FANTOM

KB

pelagictrawl

JV

CASSIOPEIA

DENEK

POLARIS

VEGA

ALTAIR

BMI manufacture every type of the trawl system. BADA Trawl is designed with reducing vortex, so as to become lighter and stronger. BADA Trawl made of high quality material such as Euroline Premium and Dyneema. The designing allow the net to be used in very demanding condition. It's also leading to advanced durability of the trawl. We produce professional customized product according to your order. We set the global standards as a pioneer in the field of trawl systems.

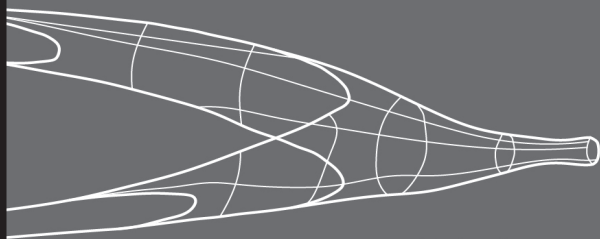
CODEND

INTERMEDIATE

GROUND ROPE

BADA

Bottom



KB



FANTOM



TAURUS



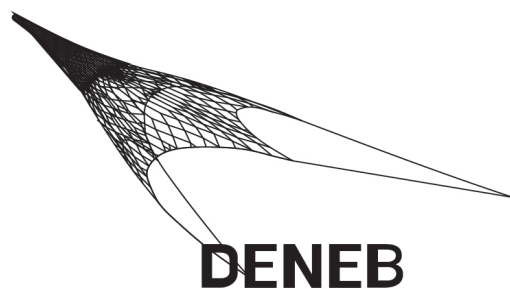
SCORPION

Pelagic

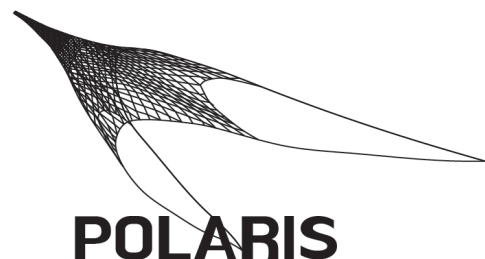
JV



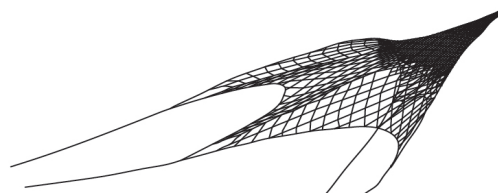
CASSIOPEIA



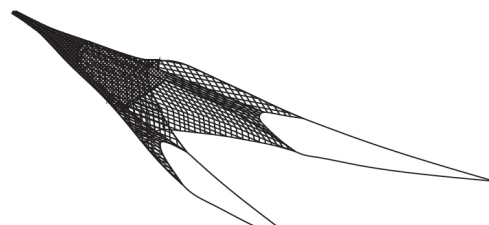
DENEb



POLARIS



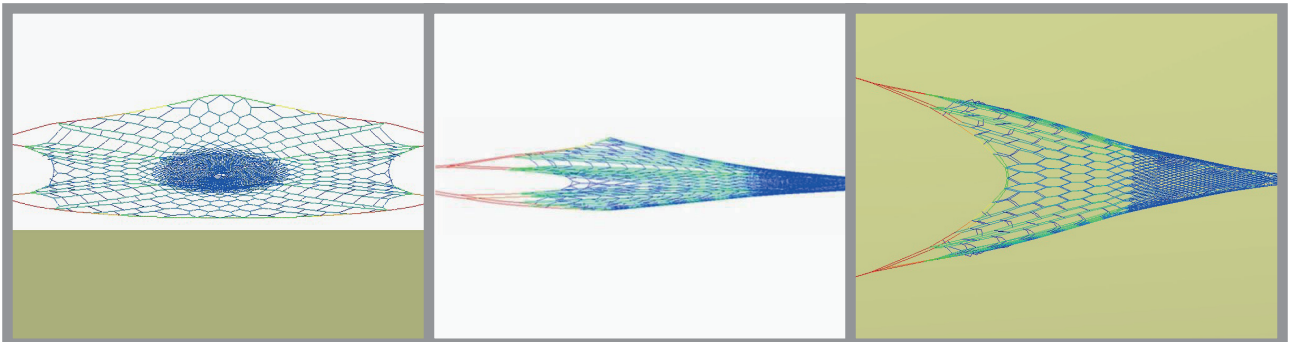
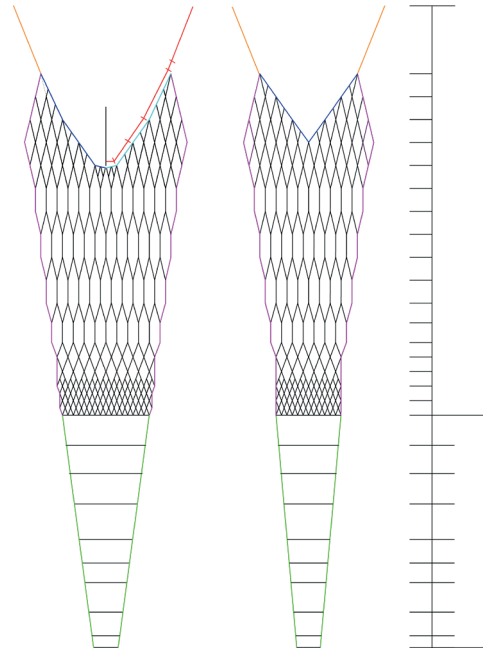
VEGA



ALTAIR



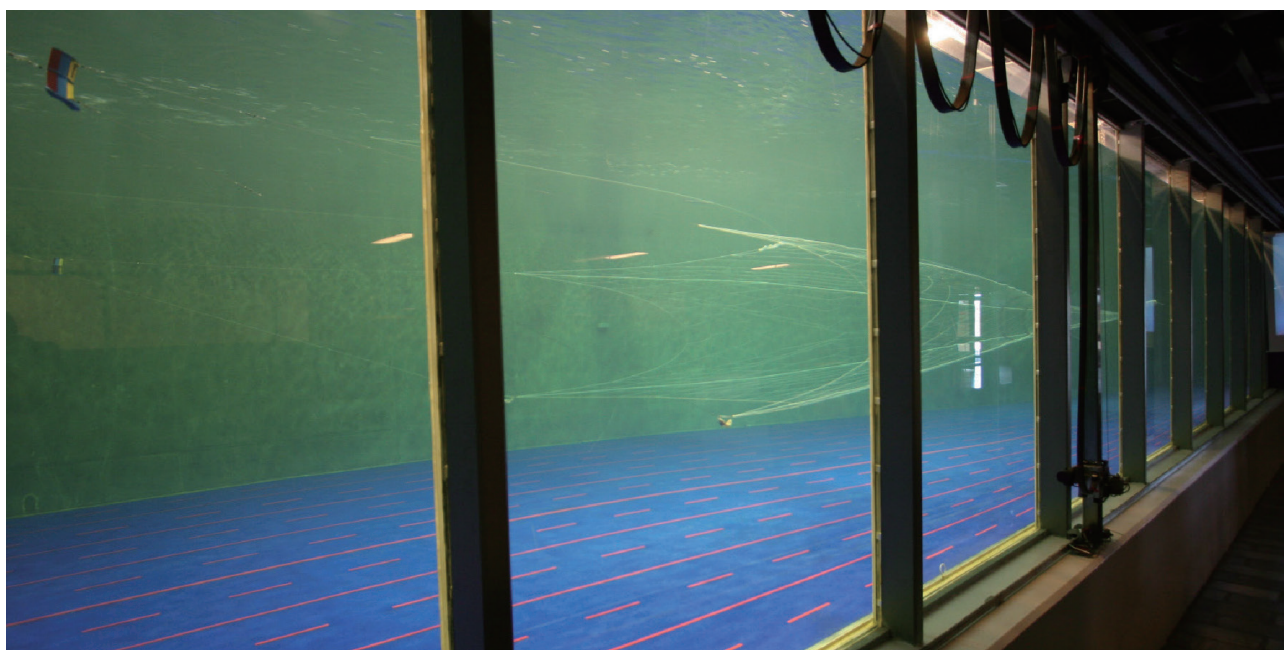
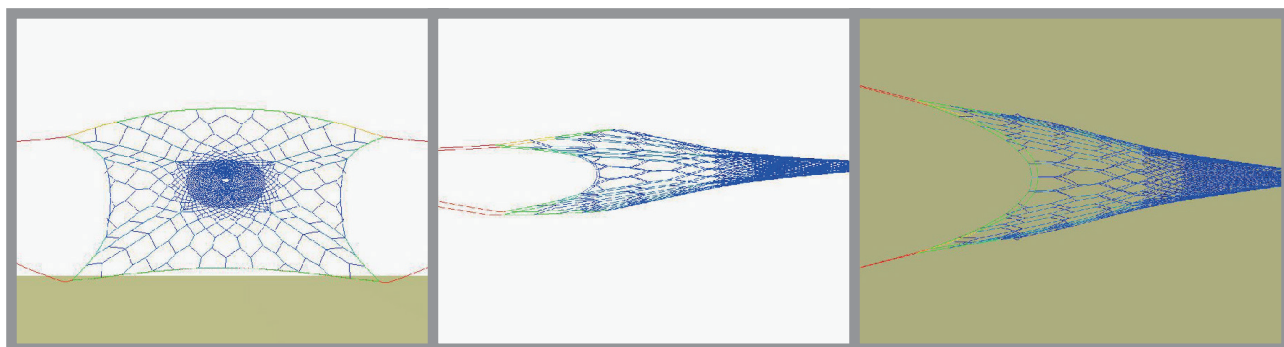
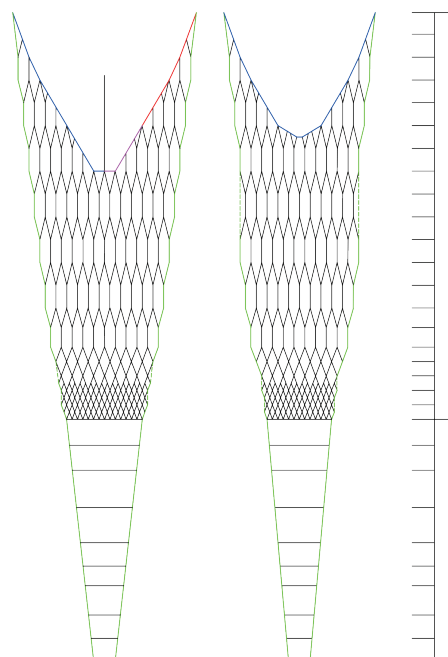
- This model is advantageous for high-speed forecasting.
- Good for catching scattered surface and mid-water species.
- High fuel efficiency and low resistance ensure highly effective fishing.
- Classic surface trawl with hexagonal mesh in rope parts.
- This Trawl use Super 12S/T rope(Euronete) at rope part and Eurofix Nylon Braided Net at net part for high stability of the relatively large net.





CASSIOPEIA

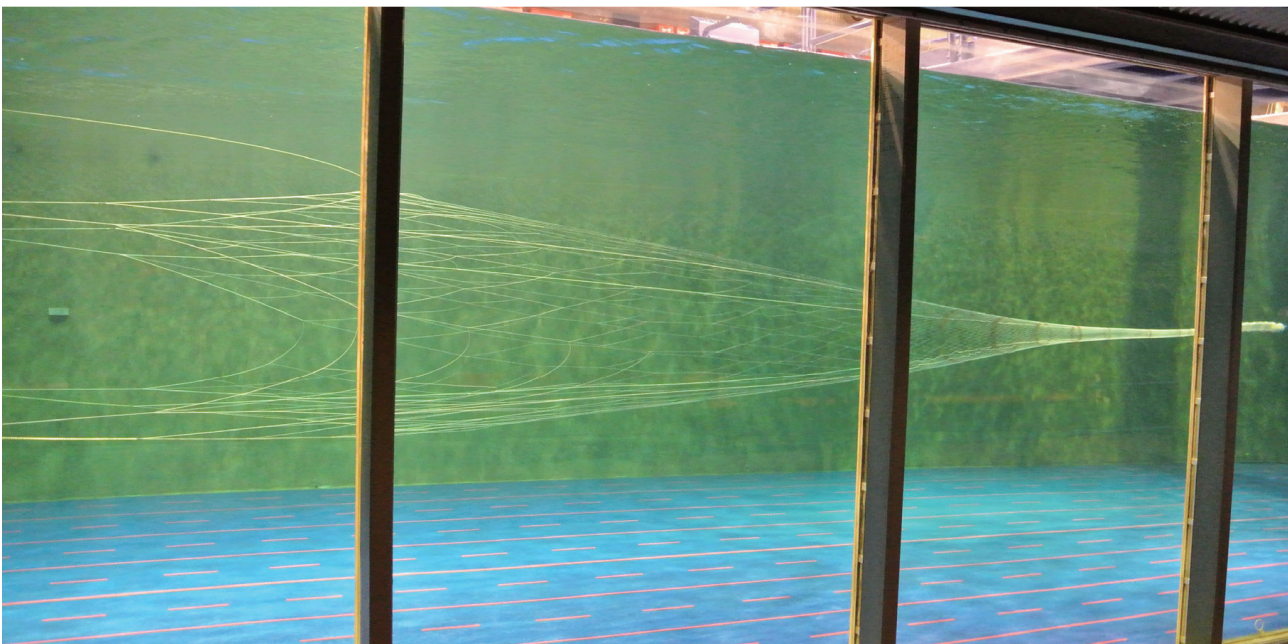
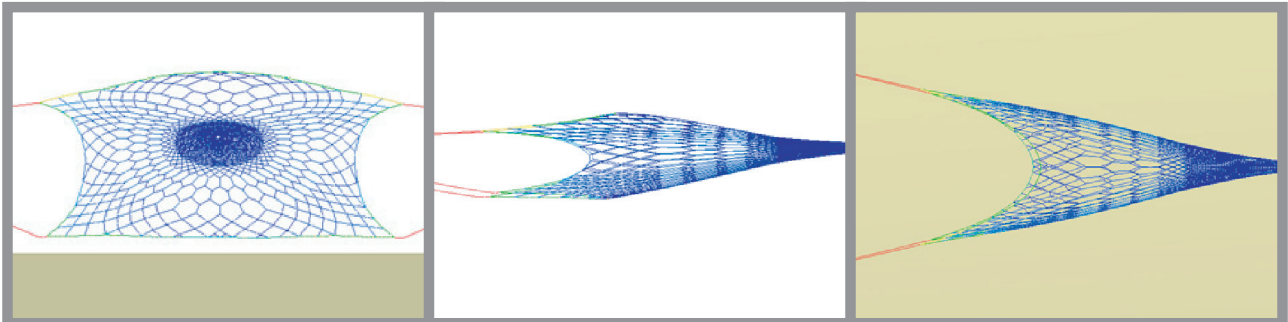
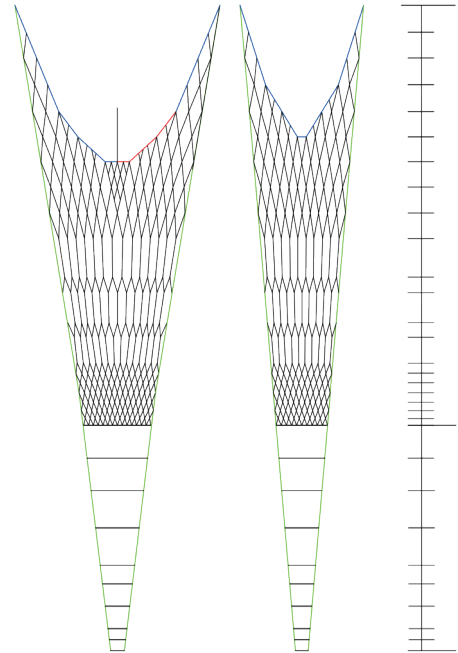
- Pelagic trawl with the fastest towing speed and widest sweeping area in its class.
- Good for catching scattered surface and mid-water species.
- High fuel efficiency and low resistance ensure highly effective fishing.
- Classic surface trawl with hexagonal mesh in rope parts.
- This Trawl use Super 12 S/T Rope® (Euronete) at rope part and Eurofix® Nylon Braided Net at net part for high stability of the relatively large net.





DENEb

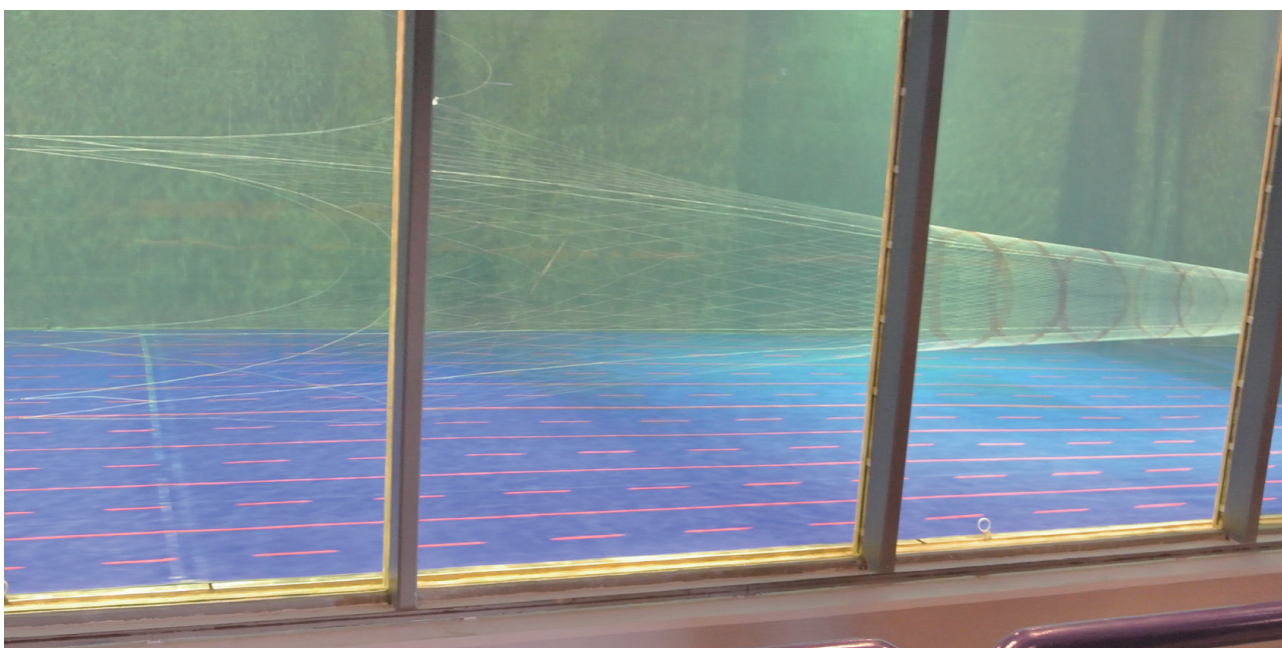
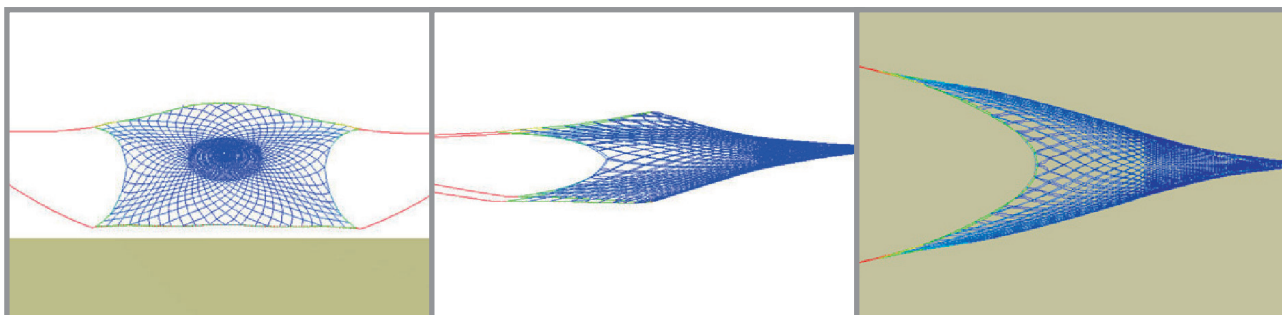
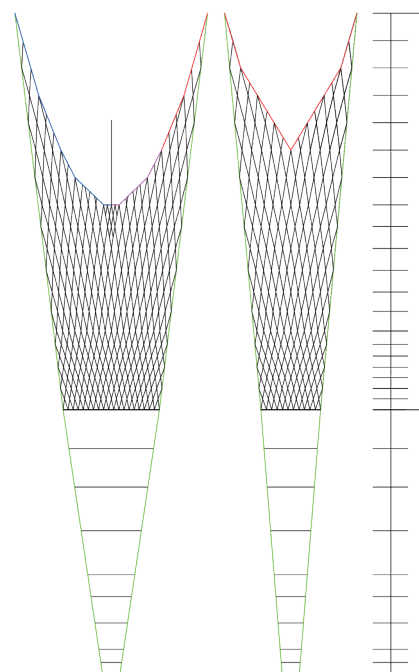
- Pelagic trawl combining the strengths of both the CASSIOPEIA and POLARIS trawl to enhance towing efficiency and speed.
- Old fishing vessel that experienced a lower towing force while previously using the POLARIS trawl can restore fishing performance with the identically-sized DENEb trawl.
- Upon customer request, various net materials are available.





POLARIS

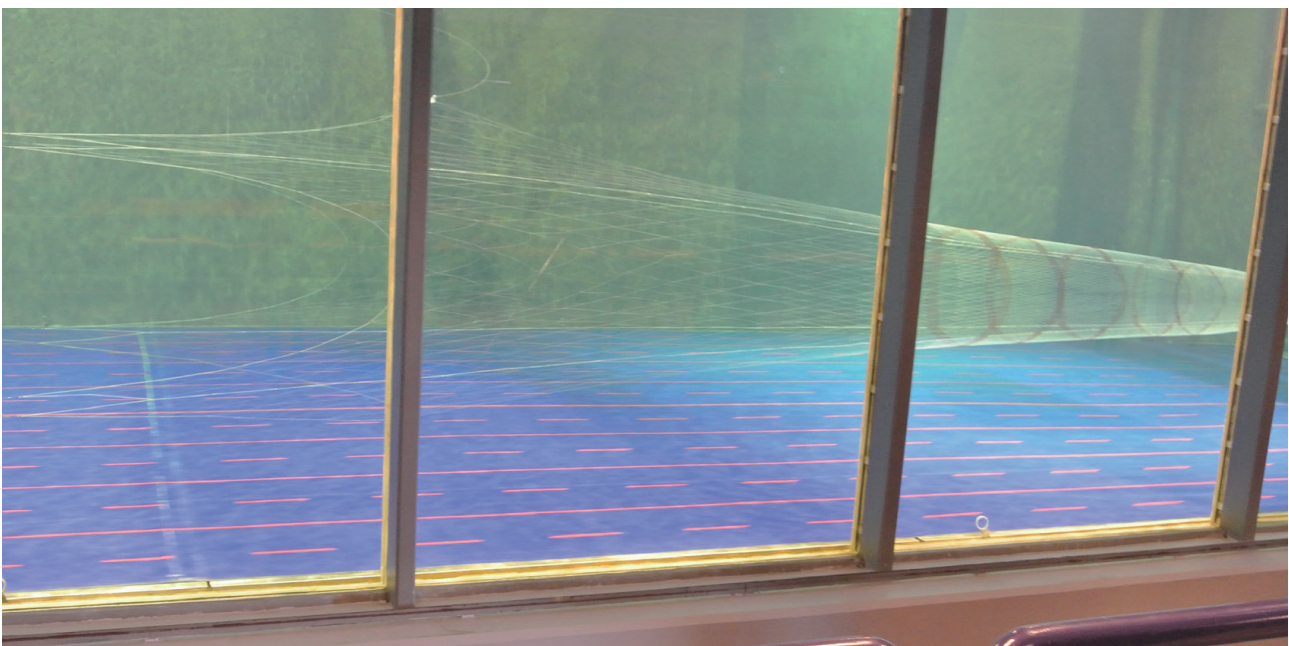
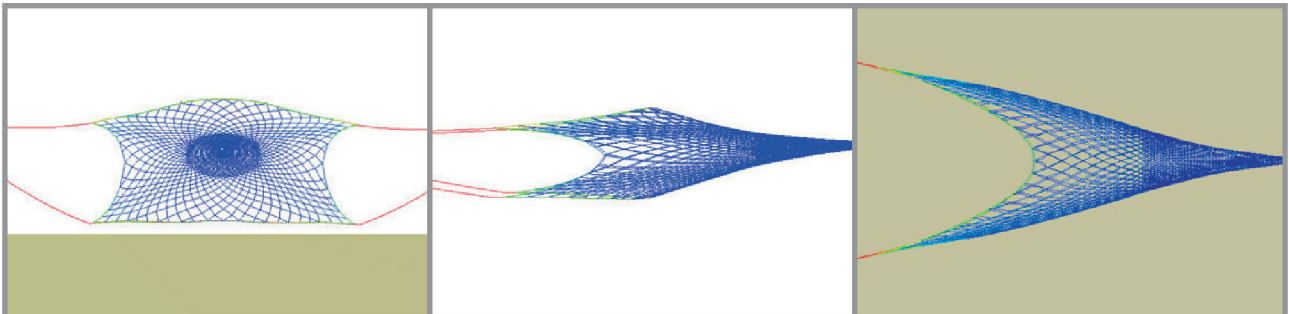
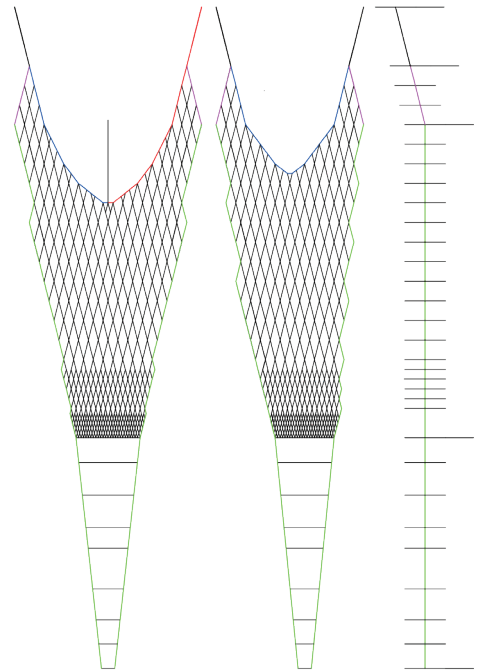
- Most popular Pelagic trawl.
- Diamond mesh structure ensures minimum net entanglement and convenient repair.
- Offers the widest variety of sizes among Pelagic trawl.
- The rope part adopts PP twisted rope with eye-spliced construction, thus saving repairing time and its costs.





VEGA

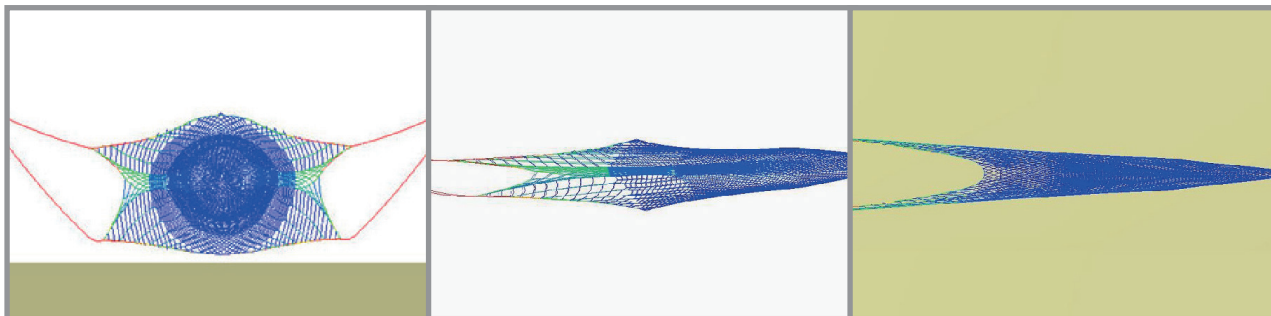
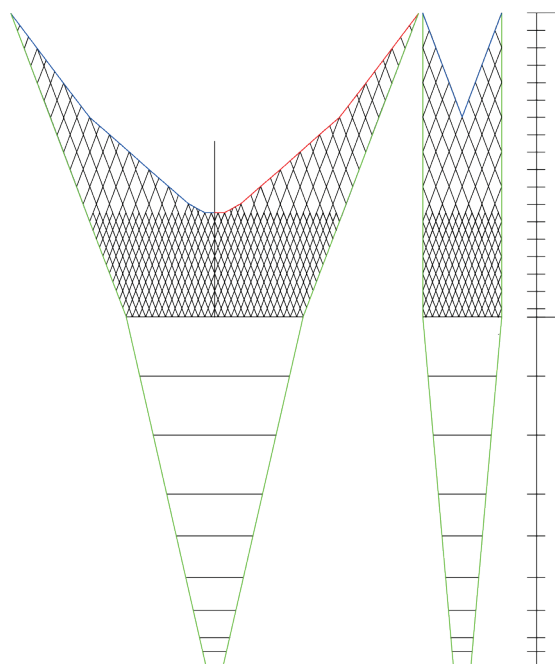
- This Trawl is consist of diamond mesh with upper and lower side panel different cutting rate for catching of bottom fish species.
- Most optimized Pelagic trawl for fishing in the same manner as the bottom trawl method.
- Materials of net used for maximum stability : heavy materials such as Nylon and PES in the bottom panel of the net, and PP and PE in upper and side panels.





ALTAIR

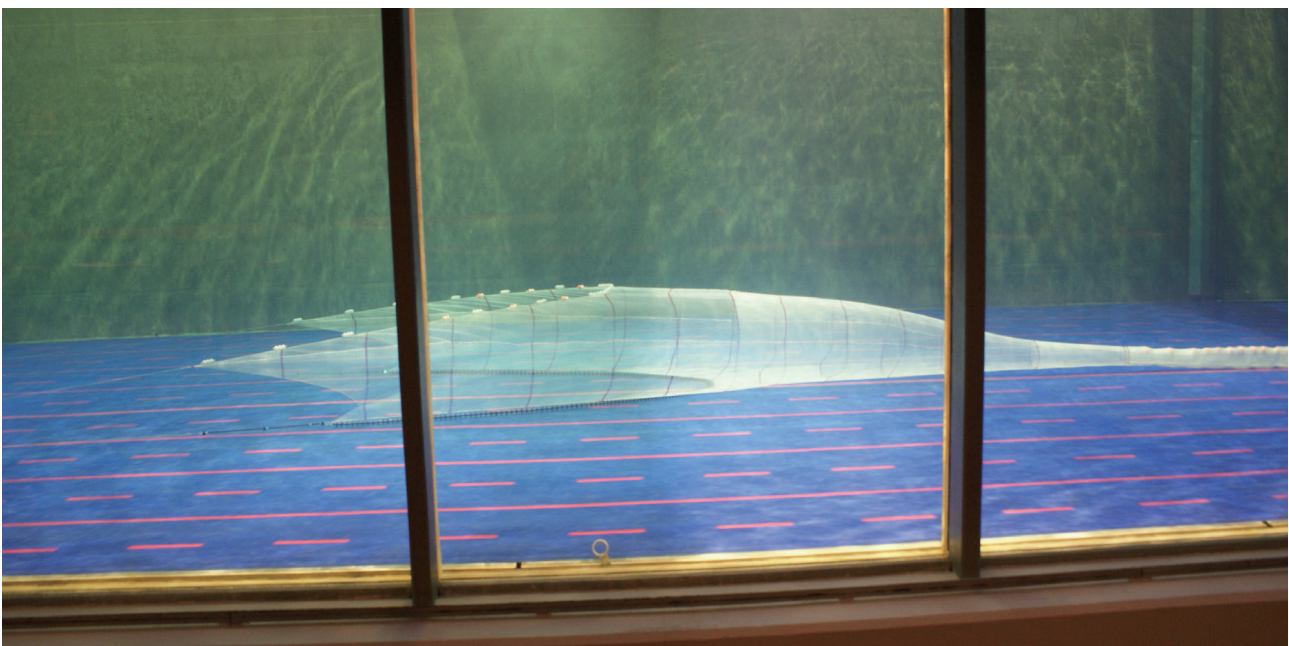
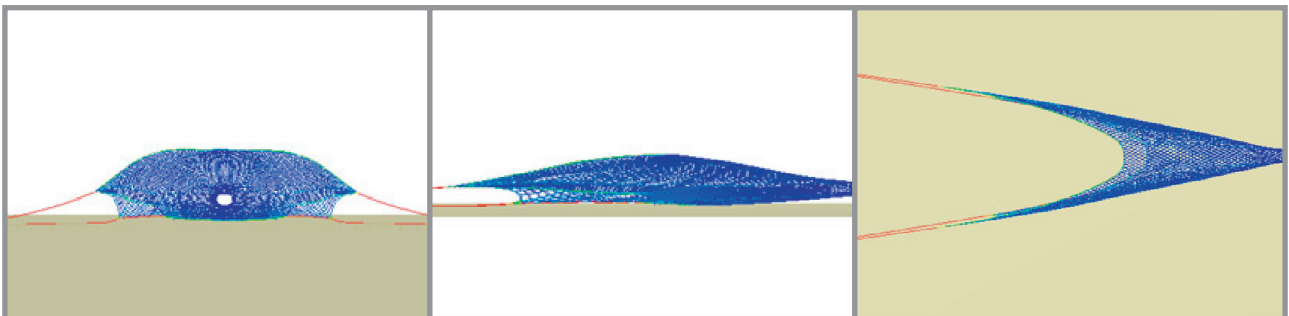
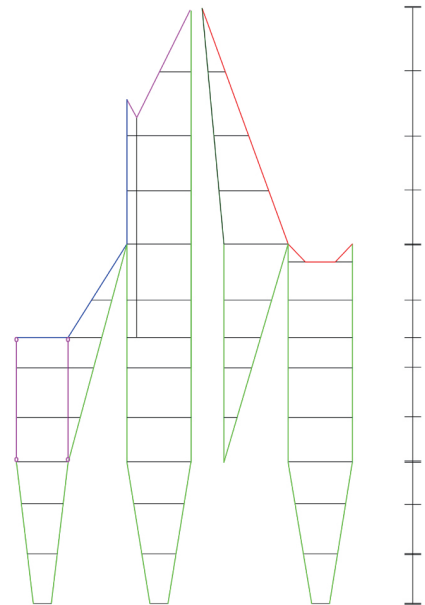
- Most optimized Pelagic trawl that can also operate when touching on the bottom of fishing grounds.
- Diamond mesh structure ensures minimum net entanglement and convenient repair.
- Best for larger trawlers of high towing force, with wider sweeping area.
- Offer Maximum durability convenient fishing gear handling.





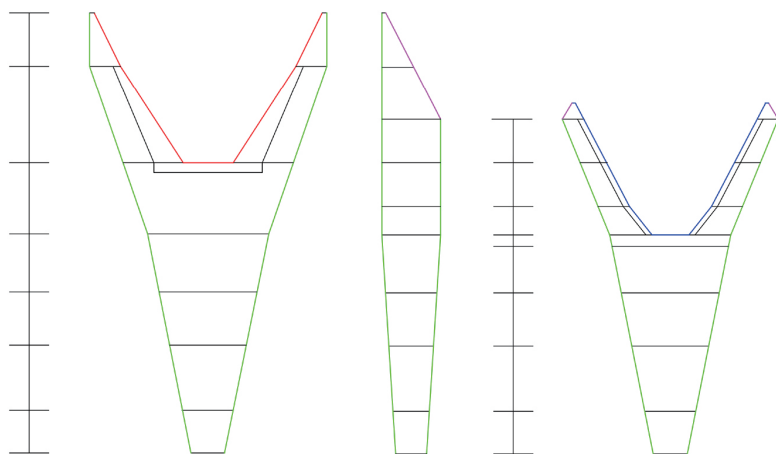
KB

- Most optimized trawl for fishing species dwelling within 10 meters from the sea bottom.
- Possible to maintain a maximum height to length ratio among bottom trawls.
- Target fish include Pollack, cod, and other benthic fish species.
- Can be used for various ground rope, depending on the condition of fishing ground.
- Upon customer request, a zipper-type is available to ensure easier of ground ropes connection and separation.

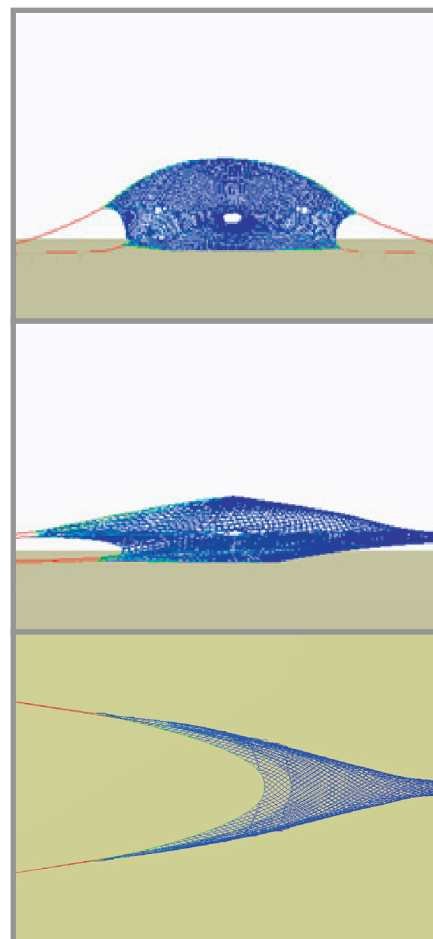




FANTOM

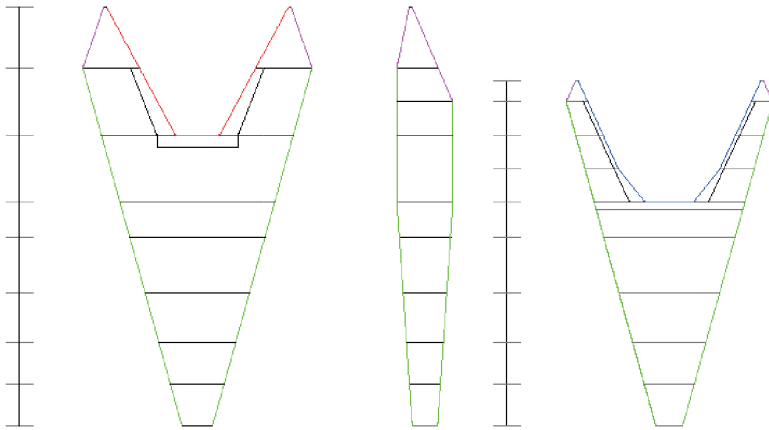


- The bottom trawl can do a function well in the rough fishing grounds.
- This Trawl has various sizes of net for each fishing vessel.
- Shorter length of net in proportion to the guarantees of vertical height and convenient operation.
- Upon customer request, a zipper-type is available to ensure easier of ground ropes connection and separation.

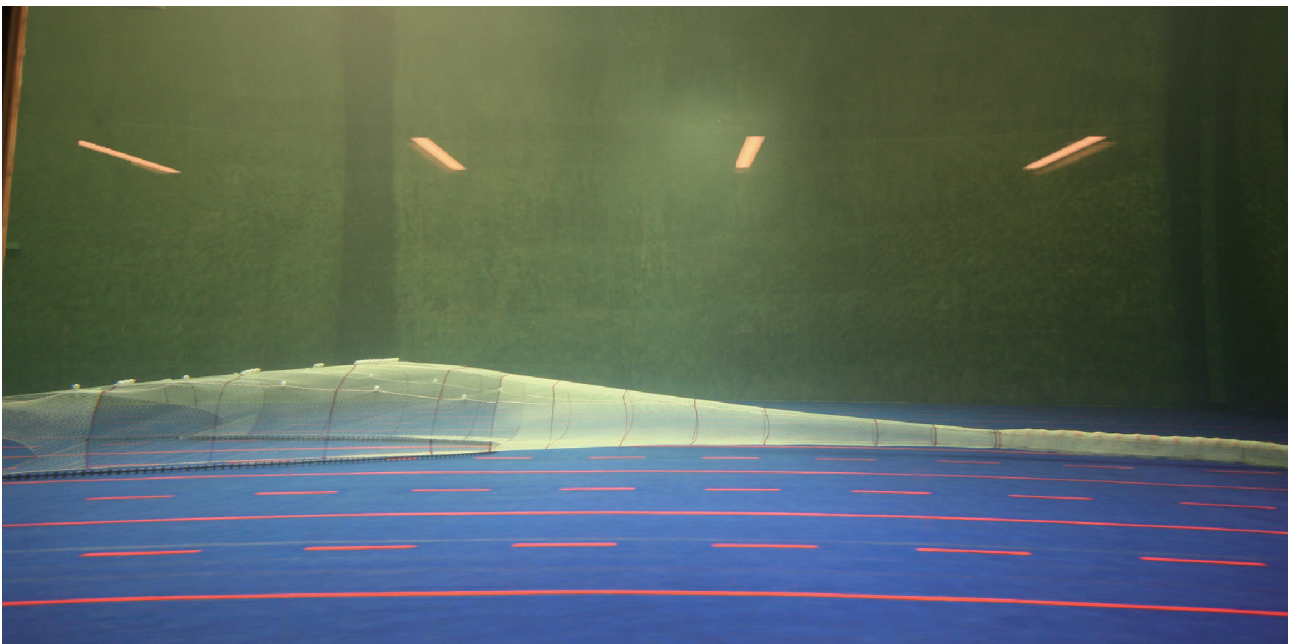
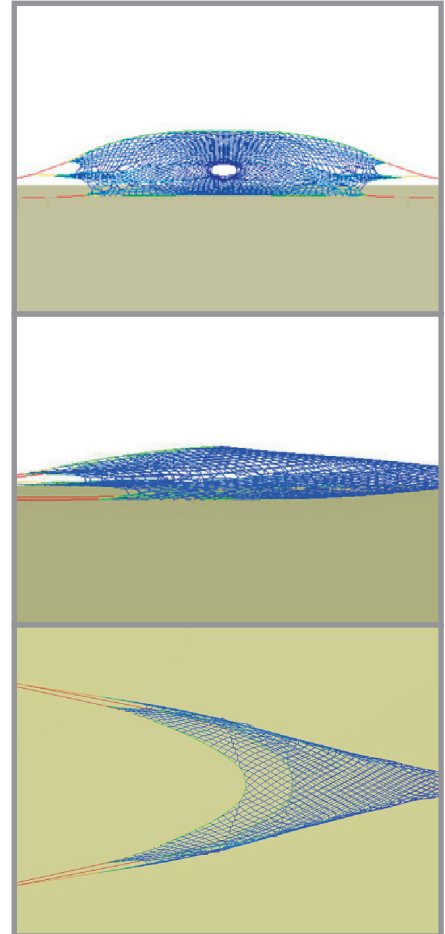


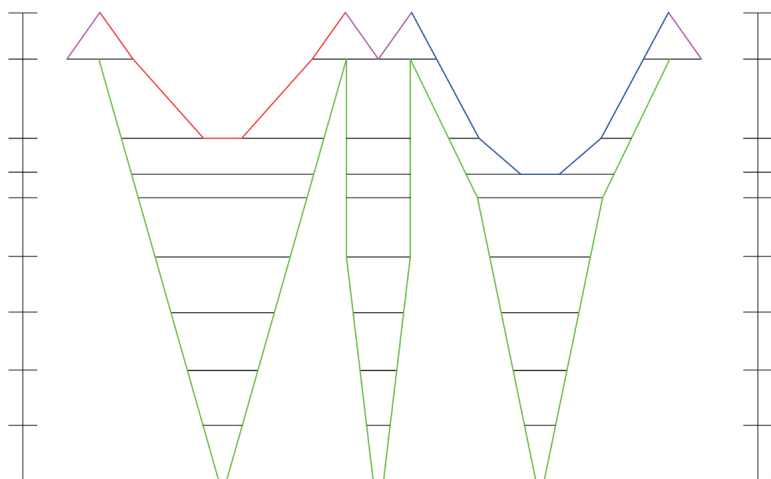


TAURUS

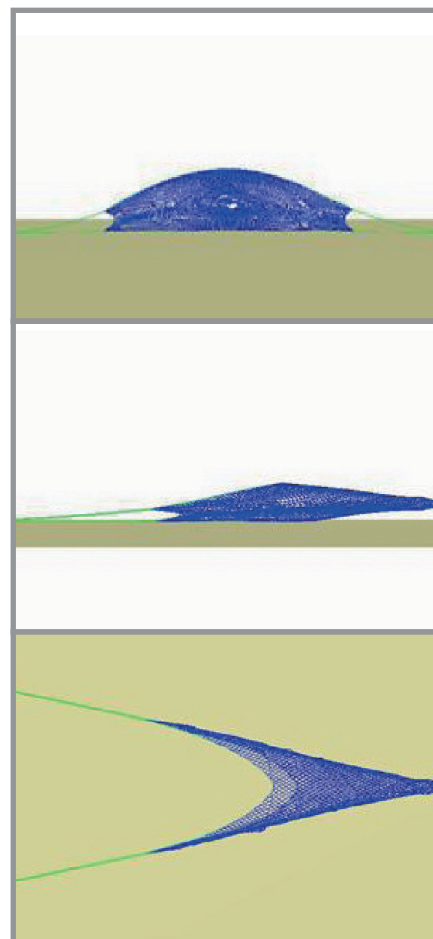


- Greater vertical height compared to other bottom trawl and catch better in rough fishing ground.
- Three-pendant Rigging System.
- Possible to maintain greater vertical height with high-quality kites system.
- Upon customer request, a zipper-type is available to ensure easier of ground ropes connection and separation.





- Shrimp trawl developed and introduced after years of accumulated experience and data analysis.
 - Functions well in rough bottom ground.
 - High-quality PE braided net and materials used to ensure minimum deformation and maximum durability.
 - Maintains maximum lift force in low speed towing.
 - Upon customer request, 4-panel or 2-panel codends are available.
- When using with selective grids, incidental catch can be prevented.





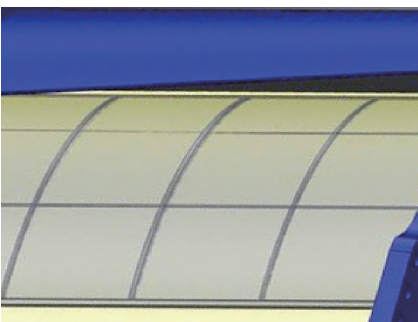
**MOBYDICK
TRAWLDOORS**



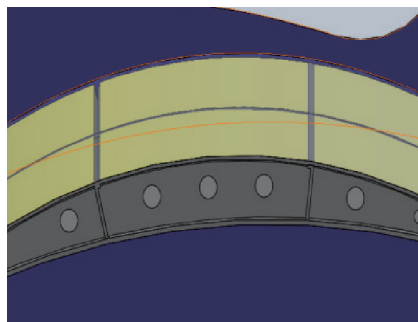
Mobydick trawl doors is applied Technology of the Para-foil® which guarantees extreme high fuel efficiency, powerful catchability. This technology is the most advanced system in the trawl doors field and boasts up the performance abilities. All new architecture gives Mobydick trawl doors a nearly ideal performance, and allowed for easy control for the fisherman.

Customers are impressed by the exceptional trawling characteristics and outstanding performance. It's advanced design features Para-foil® technology and a variable foil system such as Slat, Slot to optimize performance. It also features an ideal dihedral angle for greater stability.

Special Buoyancy



Double steel plate construction filled with special buoyant foam. It's more light and durable. It will also improve the stability due to the low center of gravity.



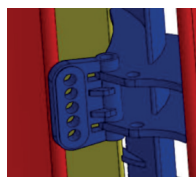
Impact-absorbing frame
- Ladder type with monocoque
Trawl door is reinforced with Steel frame to absorb impact energy and deflect impact force.



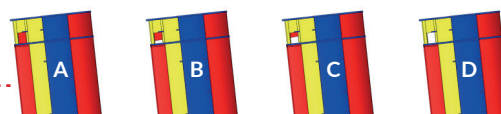
Powerful durability and lightness
- Superior buoyancy with micro-hollow sphere (This is protect against the deformation of the doors.)



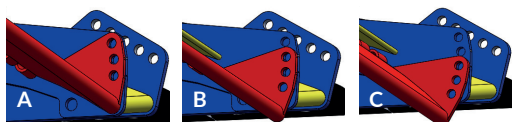
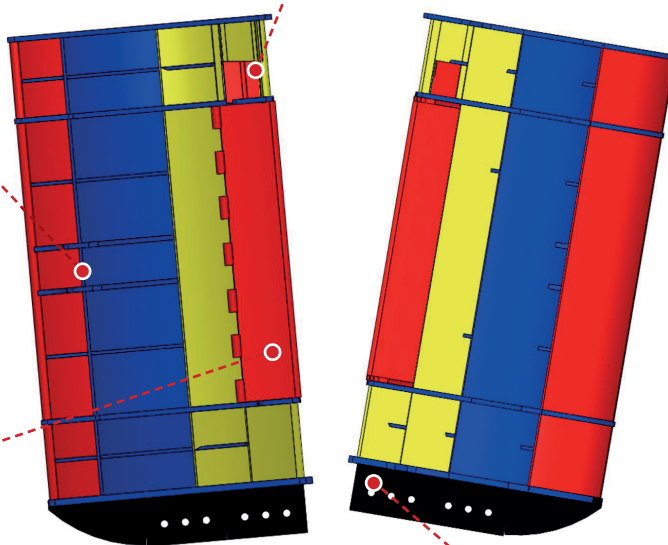
MOBYDICK Trawldoors



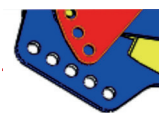
Easy to adjust towing point and doors attitude



The type is advantageous for efficient fishing operation in such a way that the top can be opened and closed by a slider.



This is a model suitable for the surface and mid-water trawl, and can increase the angle of the wing.



Multiple backstop settings to vary pitch and attack of angle

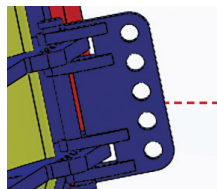
Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
JV-30	3.0	500	1050
JV-40	4.0	850	1400
JV-50	5.0	1150	1850
JV-60	6.0	1400	2200
JV-70	7.0	1600	2800
JV-80	8.0	2100	3400
JV-90	9.0	2400	4150
JV-100	10.0	2600	4600
JV-110	11.0	3150	5050
JV-120	12.0	3450	5500
JV-130	13.0	4000	6000

* All type of trawl doors can also be supplied in other size and weights



HIPD-3 / HIPDS-3

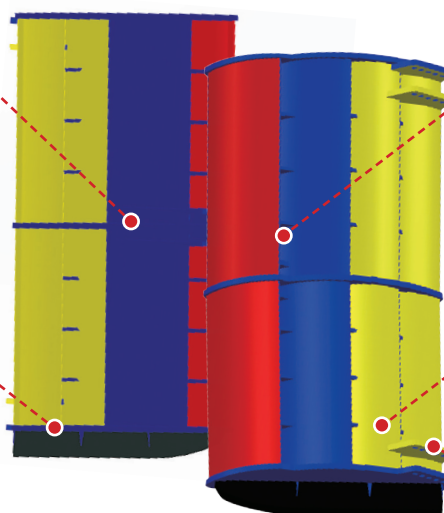
MOBYDICK



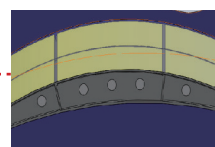
Bolt replace type for bracket's Convenient preservation & repair



Removable shoe for replacement or weight reduction



1-Slat design to reduce vortex



Dual steel plate construction filled with special floating foam inside



Multiple backstop settings to vary pitch and attack of angle

Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
HIPD3-30 / HIPDS3-30	3.0	500	1050
HIPD3-40 / HIPDS3-40	4.0	850	1400
HIPD3-50 / HIPDS3-50	5.0	1150	1850
HIPD3-60 / HIPDS3-60	6.0	1400	2200
HIPD3-70 / HIPDS3-70	7.0	1600	2800
HIPD3-80 / HIPDS3-80	8.0	2100	3400
HIPD3-90 / HIPDS3-90	9.0	2400	4150
HIPD3-100 / HIPDS3-100	10.0	2600	4600
HIPD3-110 / HIPDS3-110	11.0	3150	5050
HIPD3-120 / HIPDS3-120	12.0	3450	5500
HIPD3-130 / HIPDS3-130	13.0	4000	6000

* All type of trawl doors can also be supplied in other size and weights



MOBYDICK Trawldoors



MOBYDICK

HI-WD-N

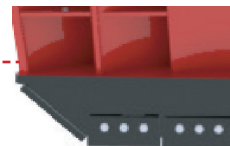
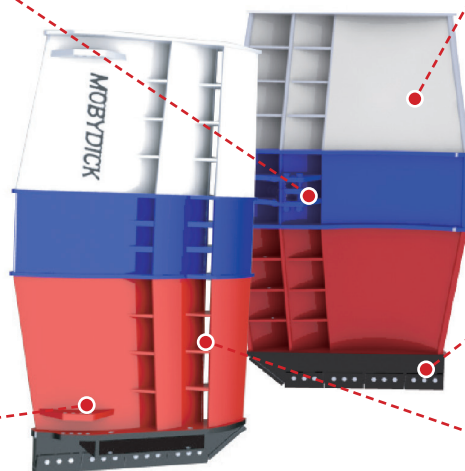


Easy to adjust towing point and doors posture

The best mid/bottom trawl doors. Better underwater stability and more fuel savings.



Multiple backstop settings to vary pitch and attack of angle of attack



Removable shoe for replacement or weight reduction



2-Slat design to reduce vortex

Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
HWN-30	3.0	500	1050
HWN-40	4.0	900	1400
HWN-50	5.0	1150	1850
HWN-60	6.0	1600	2200
HWN-70	7.0	1850	2800
HWN-80	8.0	2300	3700
HWN-90	9.0	2600	4150
HWN-100	10.0	2850	4600
HWN-110	11.0	3400	5050
HWN-120	12.0	3700	5900
HWN-130	13.0	4000	6450

* All type of trawl doors can also be supplied in other size and weights



LODESTAR-S

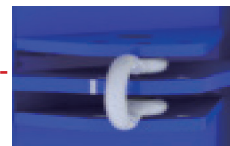
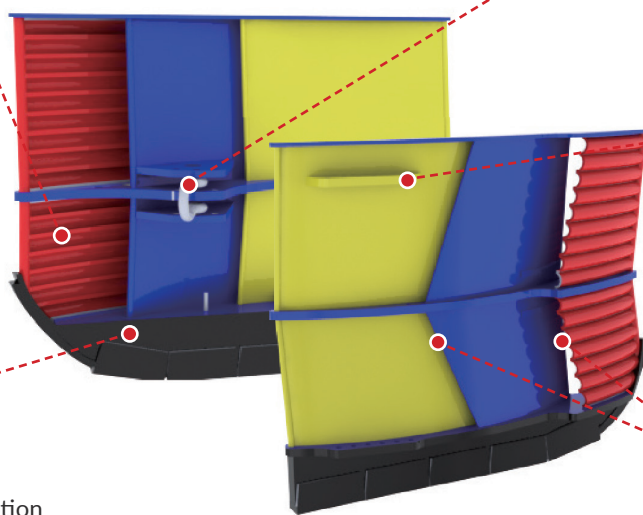
MOBYDICK



Para foil is the most advanced system in the world and boasts a robust performance and while incredibly achieving high fuel efficiency, powerful catch ability



Removable shoe for replacement or weight reduction



Bolt replace type for bracket's Convenient preservation & repair



Multiple backstop settings to vary pitch and attack of angle



1-Slot, 1-Slat design to reduce vortex

Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
LSS-30	3.0	350	1000
LSS-40	4.0	450	1400
LSS-50	5.0	850	1850
LSS-60	6.0	1250	2200
LSS-70	7.0	1600	2850
LSS-80	8.0	2100	3700
LSS-90	9.0	2400	4150
LSS-100	10.0	2600	4600
LSS-110	11.0	3150	5050
LSS-120	12.0	3450	5550
LSS-130	13.0	4000	6000
LSS-140	14.0	4300	6450
LSS-150	15.0	4650	6900
LSS-160	16.0	4950	7350

* All type of trawldoors can also be supplied in other size and weights



MOBYDICK Trawldoors



MOBYDICK SMART



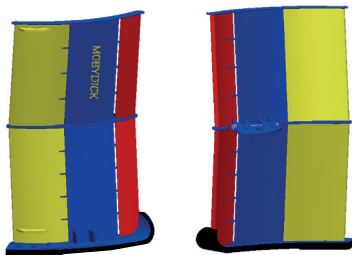
Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
SMART-30	3.0	700	1200
SMART-40	4.0	900	1700
SMART-50	5.0	1200	2200
SMART-60	6.0	1600	2600
SMART-70	7.0	2000	3000
SMART-80	8.0	2400	3400
SMART-90	9.0	2800	3800
SMART-100	10.0	3200	4200
SMART-110	11.0	3400	4400
SMART-120	12.0	3600	4600
SMART-130	13.0	3800	5200

MOBYDICK HIPD



Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
HIPD-30	3.0	500	1050
HIPD-40	4.0	850	1400
HIPD-50	5.0	1150	1850
HIPD-60	6.0	1400	2200
HIPD-70	7.0	1600	2800
HIPD-80	8.0	2100	3400
HIPD-90	9.0	2400	4150
HIPD-100	10.0	2600	4600
HIPD-110	11.0	3150	5050
HIPD-120	12.0	3450	5500
HIPD-130	13.0	4000	6000

MOBYDICK HIPD-2



Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
HIPD2-30	3.0	500	1050
HIPD2-40	4.0	850	1400
HIPD2-50	5.0	1150	1850
HIPD2-60	6.0	1400	2200
HIPD2-70	7.0	1600	2800
HIPD2-80	8.0	2100	3400
HIPD2-90	9.0	2400	4150
HIPD2-100	10.0	2600	4600
HIPD2-110	11.0	3150	5050
HIPD2-120	12.0	3450	5500
HIPD2-130	13.0	4000	6000

MOBYDICK HIPDS-2



Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
HIPDS2-30	3.0	500	1050
HIPDS2-40	4.0	850	1400
HIPDS2-50	5.0	1150	1850
HIPDS2-60	6.0	1400	2200
HIPDS2-70	7.0	1600	2800
HIPDS2-80	8.0	2100	3400
HIPDS2-90	9.0	2400	4150
HIPDS2-100	10.0	2600	4600
HIPDS2-110	11.0	3150	5050
HIPDS2-120	12.0	3450	5500
HIPDS2-130	13.0	4000	6000

* All type of trawl doors can also be supplied in other size and weights

HI-WD

MOBYDICK



Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
HIWD-30	3.0	500	1050
HIWD-40	4.0	850	1400
HIWD-50	5.0	1150	1850
HIWD-60	6.0	1600	2200
HIWD-70	7.0	1850	2800
HIWD-80	8.0	2300	3700
HIWD-90	9.0	2600	4150
HIWD-100	10.0	2850	4600
HIWD-110	11.0	3400	5050
HIWD-120	12.0	3700	5900
HIWD-130	13.0	4000	6450

VRS/CS

MOBYDICK



Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
CS-30	3.0	850	1200
CS-40	4.0	1150	1500
CS-50	5.0	1400	1900
CS-60	6.0	1800	2500
VRS-70	7.0	2100	3000
VRS-80	8.0	2800	3450
VRS-90	9.0	3150	4000
VRS-100	10.0	3500	4450
VRS-110	11.0	3850	5100
VRS-120	12.0	4200	5550
VRS-130	13.0	4550	6000

JET-2

MOBYDICK



Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
JET2-30	3.0	700	1000
JET2-40	4.0	900	1500
JET2-50	5.0	1200	2000
JET2-60	6.0	1400	2400
JET2-70	7.0	1700	3200
JET2-80	8.0	2000	3700
JET2-90	9.0	2400	4200
JET2-100	10.0	3000	4700
JET2-110	11.0	3600	5000
JET2-120	12.0	4200	5400
JET2-130	13.0	4600	5900

WD-2

MOBYDICK



Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
WD2-13	1.3	200	250
WD2-15	1.5	250	300
WD2-17	1.7	300	350
WD2-20	2.0	350	450
WD2-23	2.3	450	600
WD2-27	2.7	500	800
WD2-30	3.0	600	900
WD2-35	3.5	850	1100
WD2-40	4.0	1000	1300

* All type of trawl doors can also be supplied in other size and weights



MOBYDICK Trawldoors



MOBYDICK VFW



Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
VFW-80	8.0	3600	4500
VFW-110	11.0	5000	6000
VFW-120	12.0	5200	6300
VFW-130	13.0	5700	7000
VFW-140	14.0	6200	7400
VFW-150	15.0	6600	8000

MOBYDICK VF



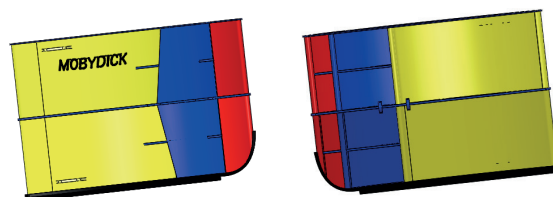
Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
VF-107	10.7	4200	5000
VF-113	11.3	4800	5800
VF-128	12.8	5100	6300
VF-133	13.3	5500	6700
VF-138	13.8	5600	6800
VF-147	14.7	6000	7200

MOBYDICK B Type



Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
B1	2.50	410	550
B1.5	2.25	365	490
B2	2.00	320	435
B2.5	1.75	260	350
B3	1.50	210	260

MOBYDICK META



Code	Size(sqm)	Weight in air(kgs)	
		Min	Max
META-25	2.50	410	550
META-30	3.00	500	700
META-35	3.50	550	850
META-40	4.00	650	1000
META-45	4.50	700	1100

* All type of trawl doors can also be supplied in other size and weights



ACCESSORIES FOR TRAWL

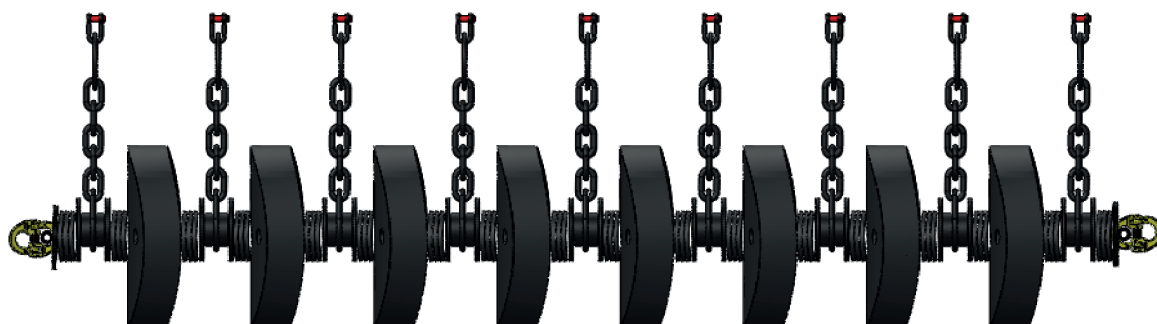


Ground rope

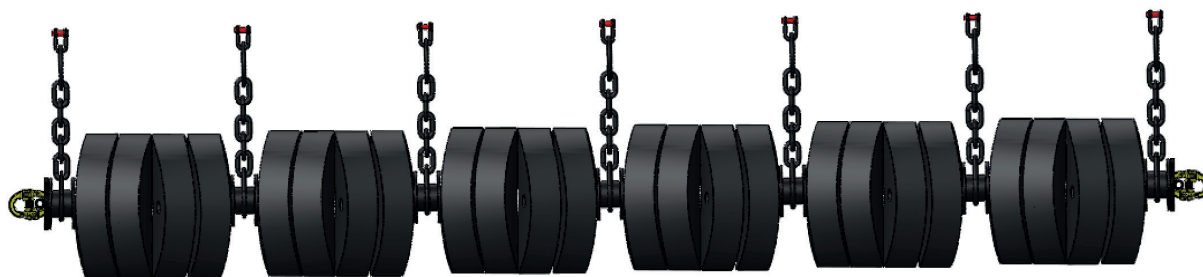
Rock-hopper disk A type



Rock-hopper disk B type

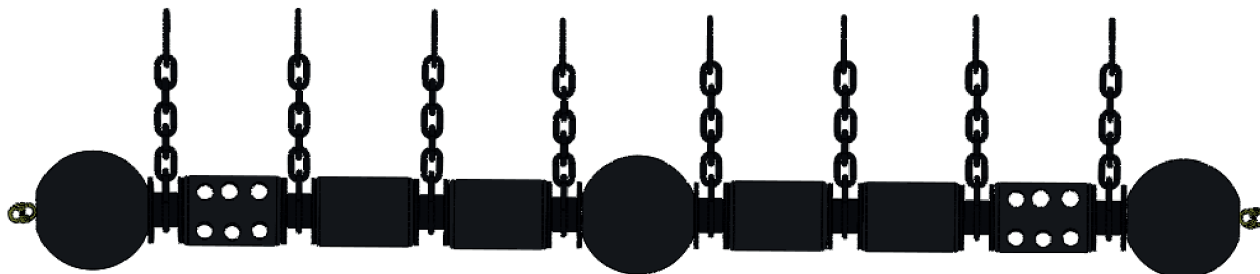


Rock-hopper disk C type

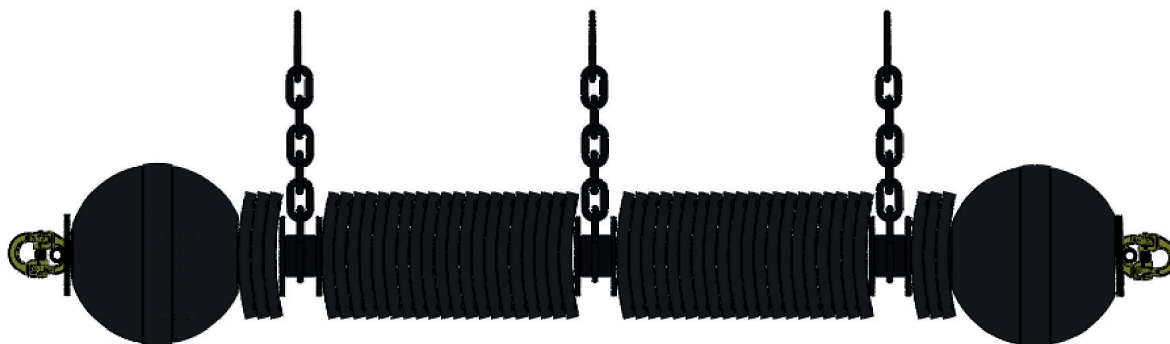




Ball - bobbin type



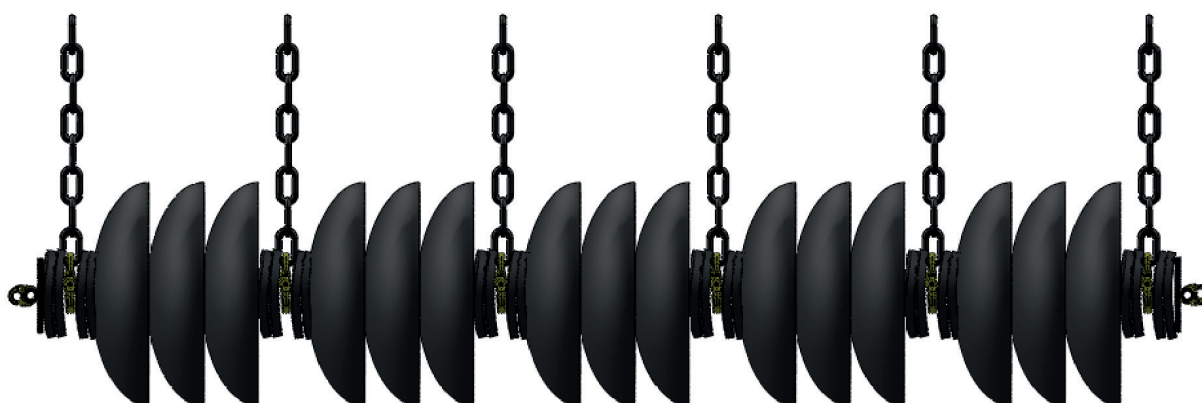
Ball - tire type



Tire type



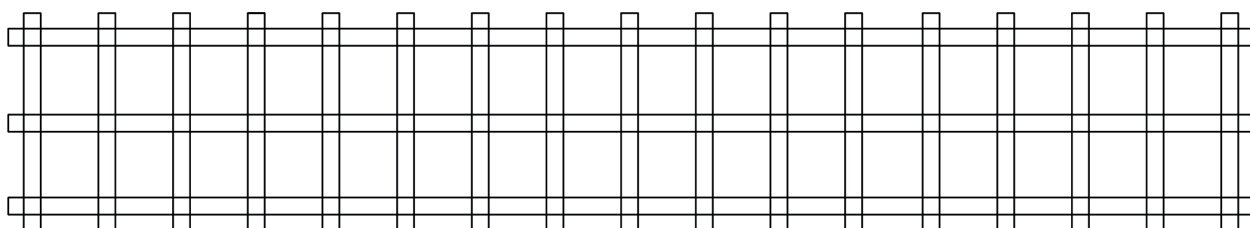
Dish type



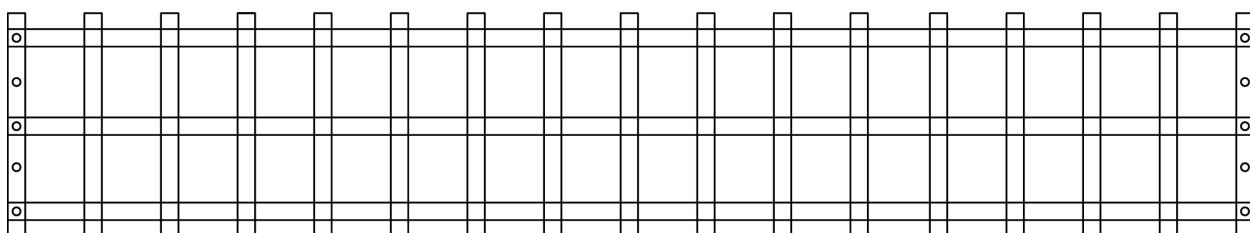


Kite

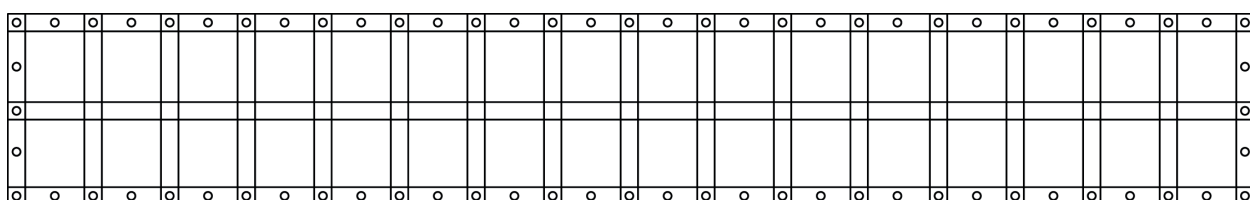
A-Type



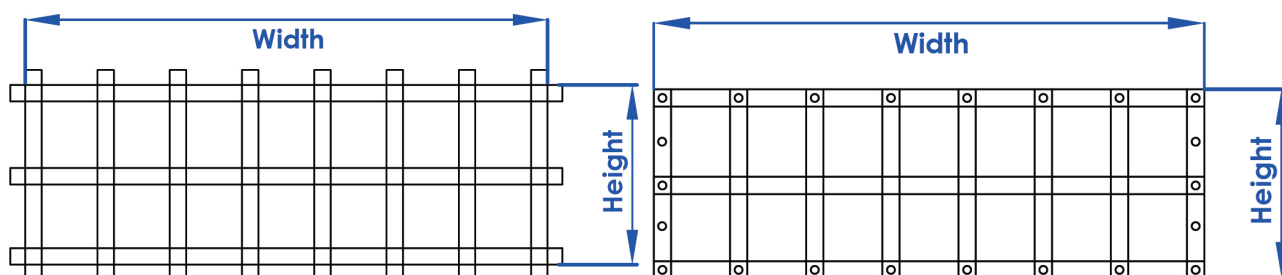
B-Type



C-Type



How to measure of kite fabric

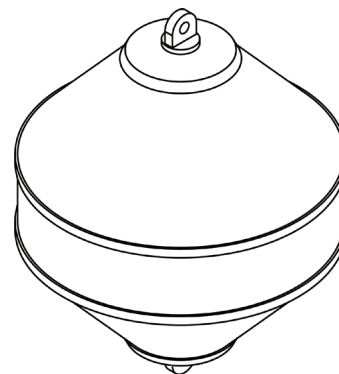
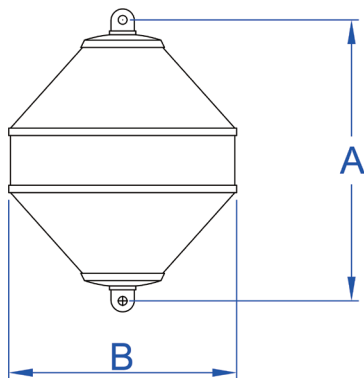
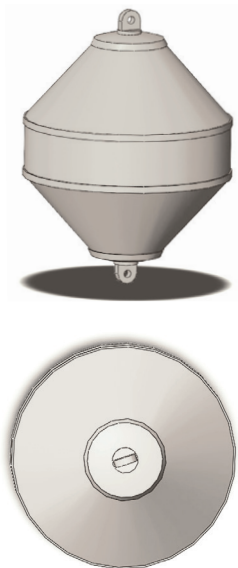




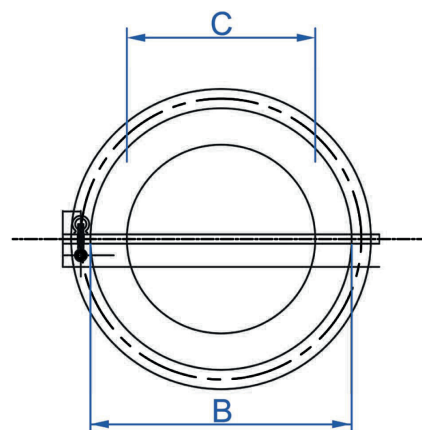
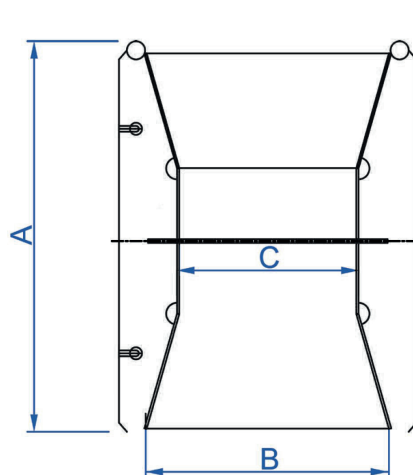
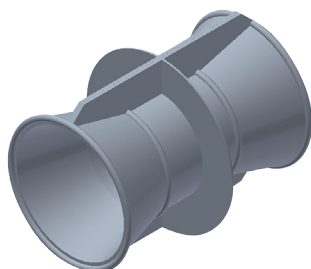
Accessories for trawl



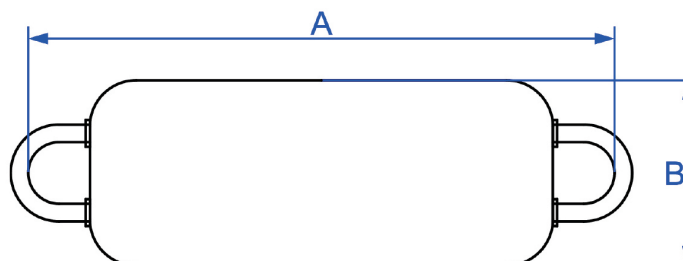
Steel Float



Sweepline guider



Weight for sensor cable





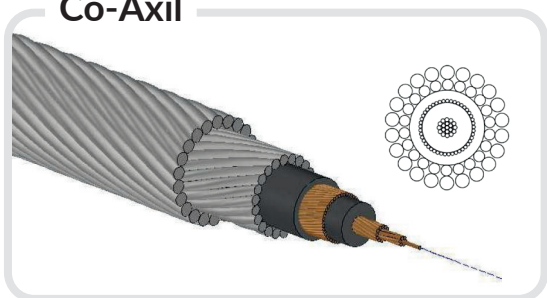
Eurodata® Net sounder cables

Starting with numerous successful field trials in 2016, Euronete officially launched its own range of in-house Net sounder cables at the end of 2018. Due to the superior performance of the information flow between the ship's sonar and the computer, the product has been well-received. BMInternational is an exclusive agent of Eurodata®, in Korea.

More than 60 vessels around the world are equipped with Net sounder cables, known for their exceptional strength and flawless data transmission. Most of the current products are sold in Europe / Scandinavia / Africa / USA / America / Russia / China. Eurodata® comes in several designs, including an 11MM two-conductor design (Eurodata® CX1100) and a 9,2MM mono-conductor design (Eurodata® MC920).

-Types offered

Co-Axil

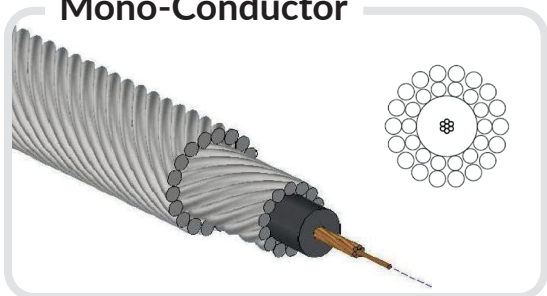


Co-Axil (Eurodata® CX1100)

Triple copper core + extra copper layer between layers

- Best information flow
- Two-way steel construction for stability
- Standard diameter = 11,0 mm

Mono-Conductor



Mono-Conductor(Eurodata® MC920)

Double copper core

- Stable information flow
- Two-way steel construction for stability
- Standard diameter = 9,2 mm

- Cables are working (compatible) with trawl sonars (Proven on vessels):

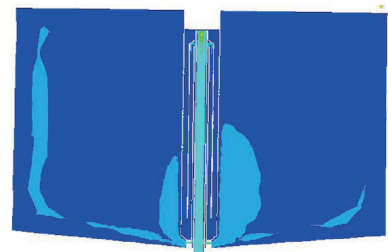
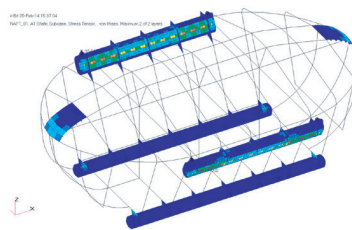
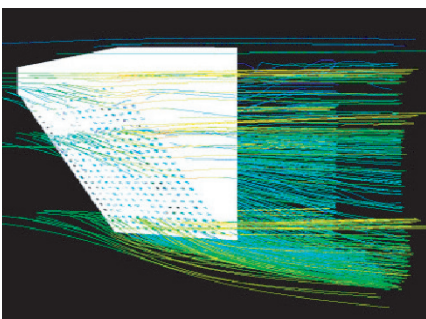
- Simrad FS70 / Simrad FM90
- Wesmar TCS 385-180 / Wesmar TCS 785-180
- These are the main Trawl Sonars at the moment



CAGE/POT



BMI is a leading supplier of steel cages. BMI's innovative efforts and new products have changed the paradigm in marine fish farming through its net cages, enabling success in cultivation of marine plants and animals even in less than optimal environments.



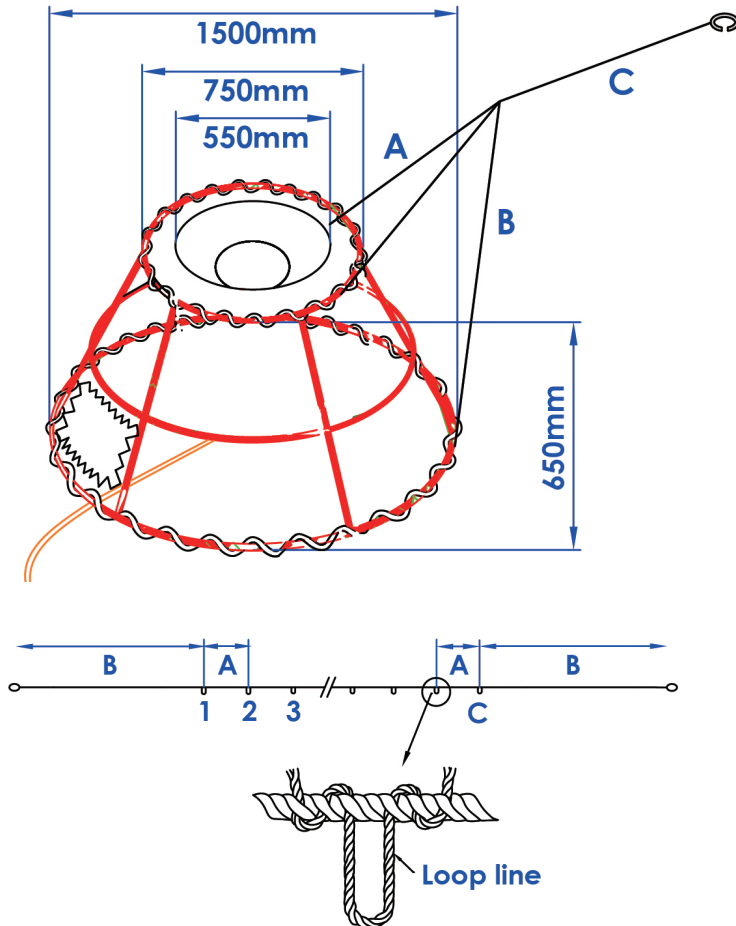
With state of the art engineering expertise, BMI is your dependable partner for superior products technologies, and services—all with proven reliability in various fields of the sea farming industry.



Pot (Trap)



Crab Pot



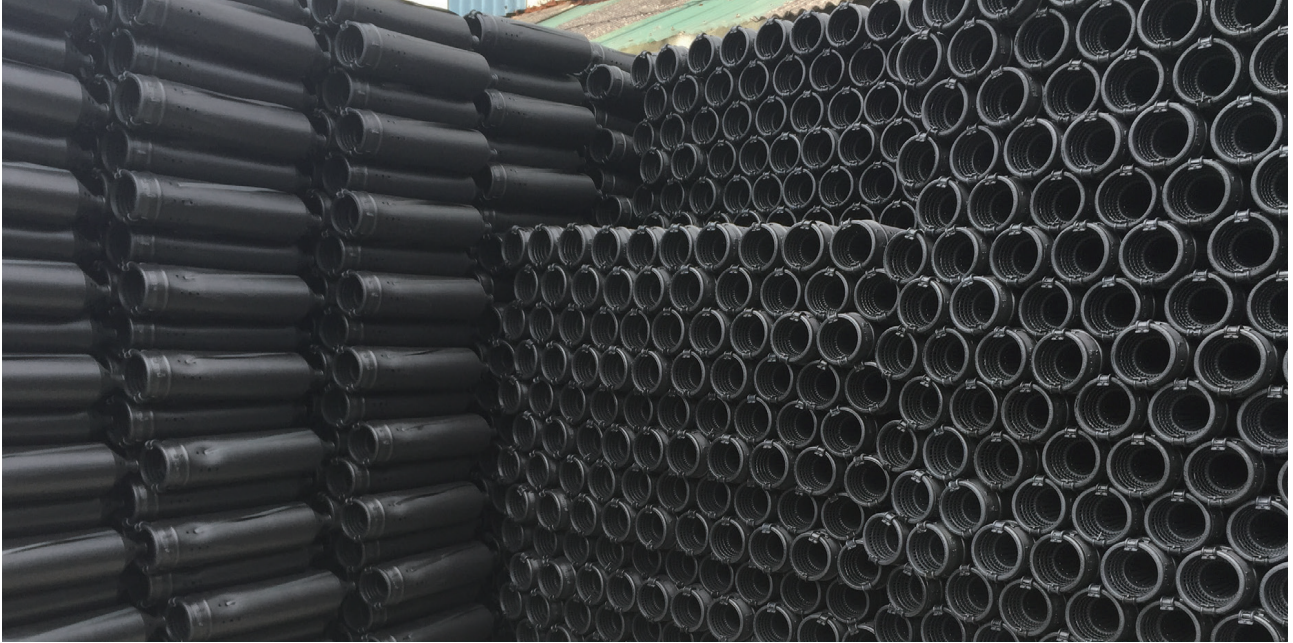
Pot Menu			
Type of bridle line		☐ Loop type	☐ Puzzle ring
Length of	A	m	
	B	m	
	C	m	
Size of mesh	ϕ	a	mm
		2 X a	mm
Color of netting		☐ Green	☐ Black
Color of entrance		☐ Red	☐ White
Type of Frame		☐	☐

Main Line		
Dia of line	ϕ	mm
Distance of A		m
Distance of B		m
Quantity of pots in line(C)		ps





Eel Pot

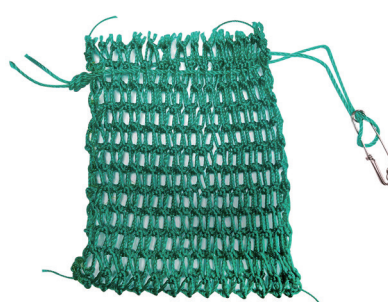


• Bait box with snap hook

• Bait net with snap hook



1lt round



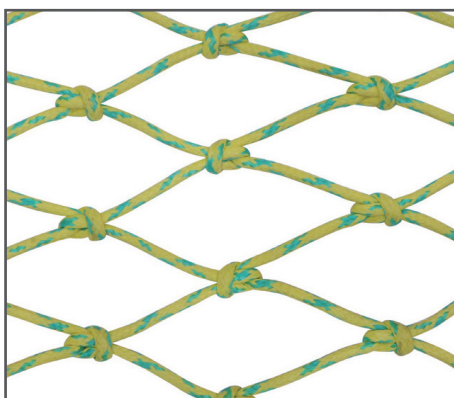
*Other type of pots/cages can be produced.
(Shrimp pot, Trumpet(wheelks) pot, Pyramid type crab pot, Enddoor type crab pot, etc.,)



NET/ROPE



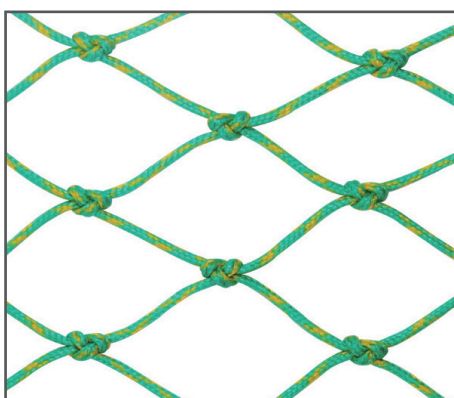
Euroline Premium braided netting



Dia. (mm)	Runnage (m/kg)	Breaking strength (kgf)
1.3	830	62
2.0	370	130
2.5	290	145
3.0	250	192
3.5	200	243
4.5	115	417
5.5	81	567
6.0	62	734
8.0	36	1117



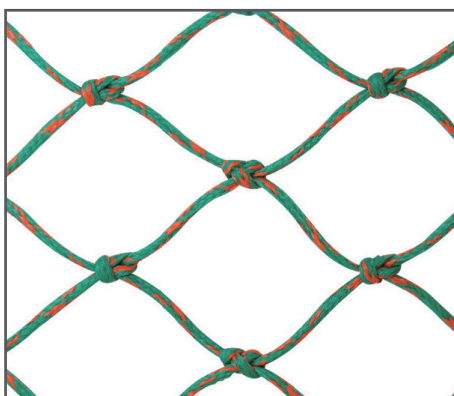
Euroline braided netting



Dia. (mm)	Runnage(m/kg)	Breaking strength(kgf)
1.8	615	74
2.5	330	115
3.0	250	162
4.0	150	246
5.0	96	350
6.0	60	595
8.0	36	980



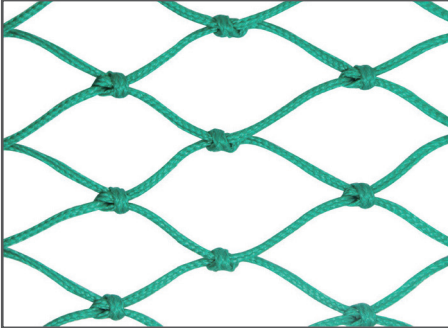
T-line(HDPE) braided netting



Dia. (mm)	Runnage (m/kg)	Breaking Strength (kgf)	Dia. (mm)	Runrate (m/kg)	Breaking Strength (kgf)
1.2	800	53	4.5	119	300
2.0	370	105	5.0	115	352
2.5	287	130	5.5	84	453
3.0	255	155	6.0	70	625
3.5	189	210	7.0	48	700
4.0	170	240	8.0	36	875

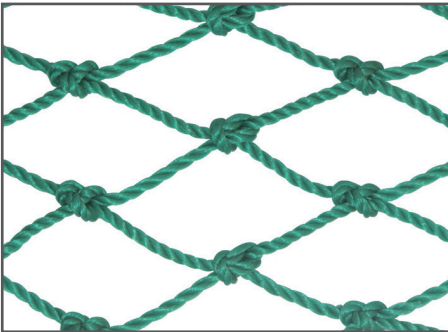


PE braided netting



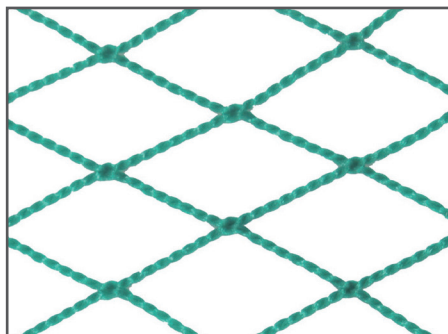
Dia. (mm)	Mesh size (mm)	Double	Single	Color
1.4	42/50	X	O	Green
2.0	42/50/60	O	O	Green
2.5	50/60/80	O	O	Green
3.0	60/80	O	O	Green
4.0	100/120/160	O	O	Green
5.0	100~400	O	O	Green
6.0	100~400	O	O	Orange

PE twisted netting



Dia. (ply)	Dia. (mm)	Dia. (mm)	Dia. (mm)
60	2.5	180	4.5
72	2.7	210	5.0
90	3.0	240	5.2
108	3.4	300	5.8
120	3.6	330	6.0
135	3.8	360	6.3
150	4.0	420	6.9

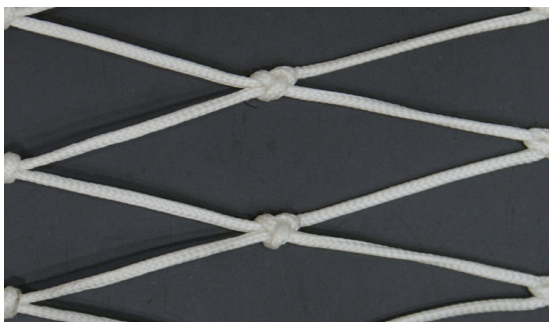
PE knotless netting



Size (ply x fm)	Weight/Bale(kg)	Length(m)	Size (ply x fm)	Weight/Bale(kg)	Length(m)	Size (ply x fm)	Weight/Bale(kg)	Length(m)
30 x 50	49.0	152	40 x 150	51.3	130	120 x 43	47.5	37
30 x 55	48.0	152	40 x 200	49.0	130	120 x 45	47.0	37
30 x 60	47.5	152	50 x 45	69.0	130	120 x 60	47.0	37
30 x 66	47.0	152	50 x 120	64.1	130	150 x 45	59.0	37
40 x 60	53.9	130	50 x 150	62.5	130	150 x 50	57.0	37
40 x 75	53.4	130	50 x 200	60.7	130	150 x 60	53.0	37
40 x 90	53.0	130	60 x 60	49.5	76			
40 x 120	52.2	130	90 x 93	72.8	37			



Eurofix braided netting



Euronete's Nylon Braided Netting is produced out of tenacity Nylon yarns, normally produced by the top chemical companies in E.U and U.S.A. Nylon Braided Netting is a traditional product in the fishing industry the last decades.

A: Made out of Nylon "soft" braided twines

Dia. (mm)	Runnage (m/kg)	Breaking Strength (kgf)	Dia. (mm)	Runnage (m/kg)	Breaking Strength (kgf)
1.5	600	104	4.0	140	410
2.0	290	210	5.0	110	490
3.0	190	310	6.0	90	615

B: Made out of Nylon "hard" braided twines

Dia. (mm)	Runnage (m/kg)	Breaking Strength (kgf)	Dia. (mm)	Runnage (m/kg)	Breaking Strength (kgf)
2.0	380	155	3.0	120	372
2.3	275	205	3.5	105	500
2.5	180	300	4.0	85	585



Eurofix twisted netting

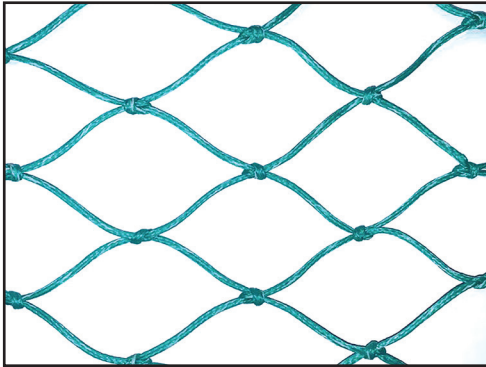


Eurofix netting is made out of Nylon twisted twines normally used on the production of Mid-water (Pelagic) trawl netting. All our netting is treated in autoclave to stabilize the netting and prevent any treatment.

Construction of twine	Runnage (m/kg)	Breaking Strength (kgf)
210/96	350	140
210/120	270	185
210/144	235	210
210/180	190	260
210/240	140	360
210/312	108	450
210/408	85	625
210/624	55	810
210/720	48	950
210/864	40	1150



Euroglow® netting



Some of the advantages of the Euroglow® netting:

Diameter (mm)	Runnage (m/kg)	Breaking Strength (kgf)
1.8	615	60
3.0	274	120
4.0	190	185
5.0	125	280

- All the advantages of a braided polyethylene netting with additional luminous feature.
- Same breaking strength and abrasion resistance as regular PE netting.



Charging time	Glow duration
1S	>2.5h
1min	>6h
10min	>6h

- Luminous material is recharged by any type of light (natural and artificial) and it glows for more than 6 hours.
- Euroglow® netting attracts crab (and other catches) to traps, at higher rate. It contributes to reduce or even replace the use of traditional bait.
- Cheaper and simpler to operate, compared to led lights.



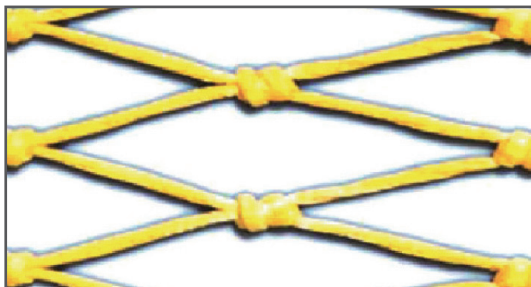
Glow in the dark netting.
Braided Polyethylene netting with luminous strands on the cover.

Euroglow® netting standard dimensions:

Twine	Mesh size	Mesh depth	Mesh length
1.8 and 3.0	Minimum 50FM	Maximum 200MD	Maximum 2000ML
4.0 and 5.0	Minimum 80FM	Maximum 100MD	Maximum 1000ML



Lankoforce® netting



Dia. (mm)	Runnage(m/kg)	Breaking Strength(kgf)
1.0	1200	140
1.5	650	270
2.0	320	370
3.0	150	780
4.0	105	1180
5.0	75	1510
6.0	60	1960

Lankoforce® Netting is made from Dyneema fiber (Ultra high Molecular weight polyethylene). This netting is five times stronger than normal polyethylene and four more than polyamide (Nylon). This netting has a very low elongation around 5%.



Eurocross Knotless netting (HTPE)



Twine Size(ply)	Dia. (mm)	Breaking Strength(kgf)
300	6.0	450
400	7.0	602
500	7.5	752
600	8.5	902
725	9.5	1053
800	10.0	1203
1000	11.0	1353
1200	12.0	1650

Eurocross is a special netting produced from HTPE (High Tenacity Polyethylene) and is composed of high strength 4 strands (each one passing through the other, generating a braided effect).



Ultra Cross Polyethylene netting



Twine Size (ply)	Dia. (mm)	Minimum Mesh Size(mm)	Maximum Mesh Size(mm)	Maximum Length of Bale(m)	B.S per Bar of Netting(kgf)
240	4.9	60	350	50	330
360	6.7	60	350	35	490
480	7.1	70	450	30	540
600	8.8	80	450	23	770
720	9.4	80	450	22	990
800	9.8	95	450	34	1060
1000	10.8	100	450	26	1240
1200	11.9	100	450	20	1600

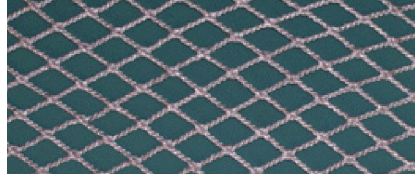
*B.S : Breaking strength



Net



Ultra Cross Silver netting



Twine Size (ply)	Dia. (mm)	Minimum Mesh Size(mm)	Maximum Mesh Size(mm)	Maximum Length of Bale(m)	B.S per Bar of Netting(kgf)
2	0.9	40	100	900	45
4	1.2	40	100	900	84
8	1.9	45	120	600	163
12	2.3	50	120	373	243
16	2.7	50	130	294	325
20	3.1	48	130	238	392
24	3.3	50	150	190	487
28	3.6	50	150	165	563
32	3.8	50	150	125	653
36	4.0	50	200	117	743
40	4.2	50	200	104	866
48	4.6	50	200	85	990
60	5.1	75	200	132	1262
72	5.6	75	250	118	1496
84	6.1	80	250	98	1744
96	6.5	85	300	70	1991
108	6.9	110	350	56	2115
240	10.8	110	400	25	3904
312	13.1	110	450	14	4365



Ultra Cross Nylon netting

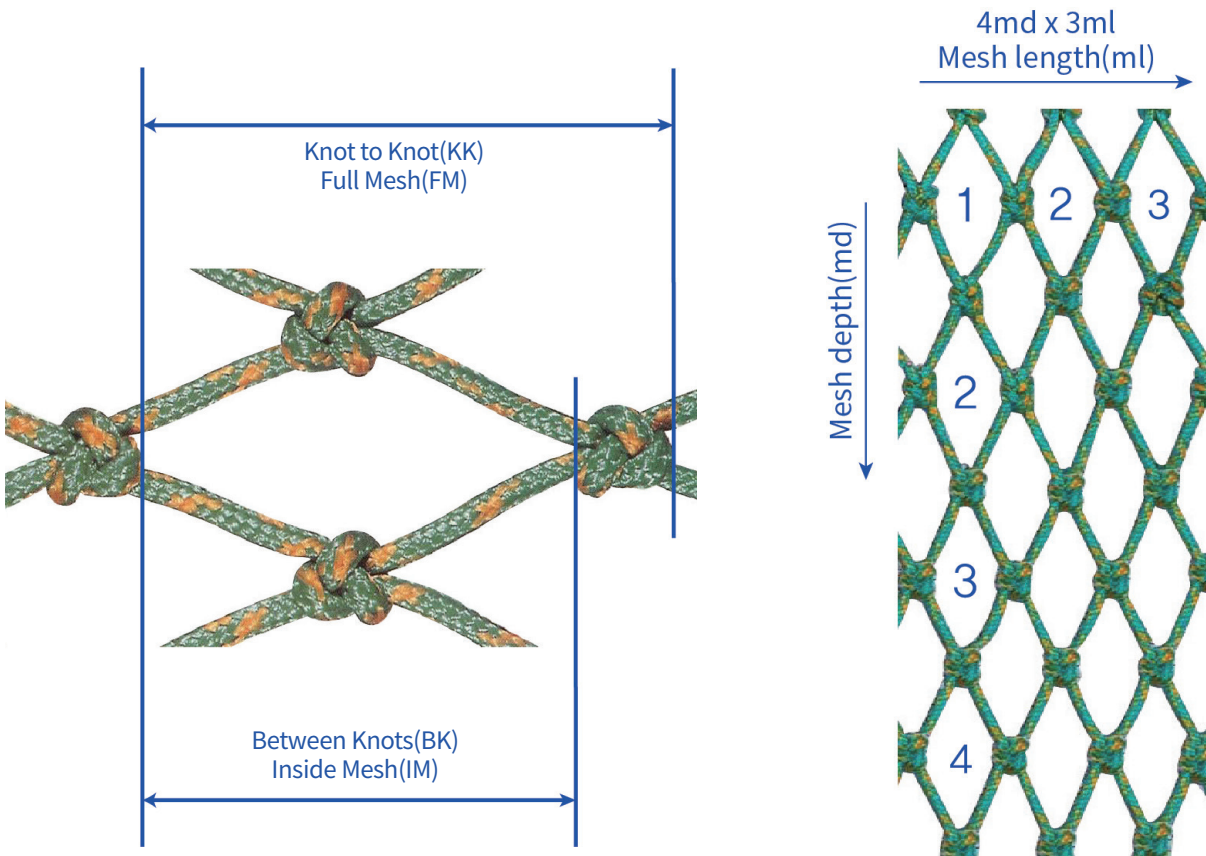


Twine Size (ply)	Dia. (mm)	Minimum Mesh Size(mm)	Maximum Mesh Size(mm)	Maximum Length of Bale(m)	B.S per Bar of Netting(kgf)
24	1.3	27.5	130	580	25
40	1.7	27.5	168	450	42
60	2.1	27.5	206	350	65
80	2.4	34.0	238	320	80
120	2.9	50.0	292	210	121
160	3.4	50.0	200	120	165
180	3.6	50.0	210	110	180
240	4.1	90.0	240	80	210
360	5.0	90.0	320	60	280
420	5.4	90.0	345	50	320
600	6.5	90.0	413	39	460
720	7.1	90.0	452	32	550
800	7.5	115.0	477	30	615
1000	8.4	115.0	533	24	770
1200	9.2	115.0	580	20	920



How to the measure netting

Meah size : KK / BK



BMI Codend Standard mesh size



Main codend netting : Euroline Premium br. net, 6mm DB x BK110mm (KK140mm)

Second netting : T-line(HDPE) br. net, 6mm DB x KK280mm

*This is sample construction. All of component materials can be changed by customer's request.



Polypropylene (PP) rope



• PP 3-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
5	2.3	0.34	26	63.8	7.50	52	256.0	27.3
6	3.5	0.50	28	73.6	8.50	55	286.0	30.0
8	6.2	0.85	30	85.2	9.90	60	340.0	35.5
9	7.5	1.06	32	96.7	11.0	65	399.0	41.0
10	9.6	1.29	34	110.0	12.4	70	463.0	47.0
12	13.9	1.8	36	122.0	13.7	75	531.0	53.5
14	18.8	2.4	38	135.0	15.1	80	605.0	60.5
16	24.2	3.0	40	152.0	16.7	85	683.0	68.0
18	30.8	3.8	42	167.0	18.5	90	765.0	75.0
20	38.0	4.5	45	191.0	20.7	95	853.0	83.0
22	46.0	5.6	48	218.0	23.6	100	945.0	91.5
24	54.7	6.5	50	236.0	25.5			

• PP 8-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kg s/200m)	B.S. (ton)
40	143.0	22.3	60	326.0	47.4	95	817.0	117.0
42	161.0	24.6	65	370.0	53.6	100	905.0	129.0
45	184.0	28.0	70	440.0	63.5	105	998.0	143.0
48	208.0	31.3	75	508.0	74.0	110	1,095.0	157.0
50	226.0	33.9	80	580.0	83.0	115	1,197.0	171.0
52	244.0	36.2	85	655.0	93.0	120	1,300.0	186.0
55	274.0	40.5	90	734.0	105.0			

*B.S. : Breaking strength



Super Danline rope



• SuperDan 3-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
6	3.5	0.58	28	73.6	10.6	55	286.0	35.6
8	6.2	1.13	30	85.2	11.7	60	340.0	42.0
9	7.8	1.36	32	96.7	13.2	65	399.0	49.0
10	9.6	1.6	34	110.0	14.8	70	463.0	57.0
12	13.9	2.25	36	122.0	16.6	75	531.0	65.0
14	18.8	3.0	38	135.0	18.2	80	605.0	74.0
16	24.2	3.8	40	152.0	19.8	85	683.0	83.0
18	30.8	4.7	42	167.0	22.0	90	765.0	92.0
20	38.0	5.6	45	191.0	24.8	95	853.0	102.0
22	46.0	6.9	48	218.0	27.8	100	945.0	113.0
24	54.7	8.1	50	236.0	30.0			
26	63.8	9.4	52	256.0	32.3			

• SuperDan 8-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
24	57.6	10.9	50	249	42.5	85	721	118.8
28	78.8	14.5	52	268	46.0	90	807	133.4
32	102.2	18.5	55	301	50.9	95	899	146.5
36	128.2	23.0	60	358	60.5	100	996	162.4
40	158	28.4	65	420	70.4	105	1,098	179.0
42	177	30.9	70	487	82.2	110	1,205	196.5
45	204	35.4	75	559	93.1	115	1,317	214.7
48	229	39.8	80	638	105.6	120	1,436	233.8

*B.S. : Breaking strength



New Super Tec rope



• New Super Tec 3-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
6	3.5	0.65	22	46.0	7.70	40	152.0	22.2	70	463.0	63.80
8	6.2	1.27	24	54.7	9.10	42	167.0	24.6	75	531.0	72.80
9	7.8	1.52	26	63.8	10.50	45	191.0	27.8	80	605.0	82.90
10	9.6	1.79	28	73.6	11.90	48	218.0	31.1	85	683.0	93.00
12	13.9	2.52	30	85.2	13.10	50	236.0	33.6	90	765.0	103.00
14	18.8	3.36	32	96.7	14.80	52	256.0	36.2	95	853.0	114.20
16	24.2	4.26	34	110.0	16.60	55	286.2	39.9	100	945.0	126.60
18	30.8	5.26	36	122.0	18.60	60	340.0	47.0			
20	38.0	6.30	38	135.0	20.40	65	399.0	54.9			

• New Super Tec 8-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
24	57.6	13.4	50	249.0	52.2	70	487.0	101.1	96	918.0	184.0
28	78.8	17.8	52	268.0	56.5	72	516.0	105.5	100	996.0	199.7
32	102.2	22.7	55	301.0	62.6	75	559.0	114.5	104	1,072.0	216.0
36	128.2	28.3	56	312.0	64.9	80	638.0	129.9	112	1,246.0	250.5
40	158.2	34.9	60	358.0	74.4	85	721.0	146.1	120	1,436.0	287.6
44	195.4	41.7	64	407.2	83.9	88	772.0	156.9			
45	204.0	43.5	65	420.0	86.5	90	807.0	164.0			
48	229.0	48.9	68	460.0	95.4	95	899.0	180.1			

• New Super Tec 12-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
36	128.2	29.6	52	268.0	58.8	68	460.0	98.4	96	918.0	190.3
40	158.2	36.3	56	312.0	67.3	72	516.0	109.4	104	1,072.0	222.7
44	195.4	43.5	60	358.0	77.0	80	638.0	134.1	112	1,246.0	257.6
48	229.0	50.9	64	407.2	86.6	88	772.0	161.3	120	1,436.0	296.1

*B.S. : Breaking strength



Nylon rope



• Nylon 3-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
4	1.95	0.33	18	38.70	5.94	36	155.00	21.60	60	438.00	55.80
5	3.00	0.50	20	48.00	7.23	38	174.00	23.90	65	513.00	64.80
6	4.50	0.70	22	57.90	8.63	40	191.00	26.30	70	596.00	74.30
8	7.75	1.21	24	69.50	10.20	42	213.00	28.70	75	683.00	84.50
9	9.80	1.51	26	81.30	11.80	45	244.00	32.70	80	777.00	95.30
10	12.10	1.85	28	95.30	13.50	48	277.00	37.20	85	874.00	107.00
12	17.60	2.80	30	108.00	15.40	50	302.00	39.80	90	980.00	119.00
14	23.90	3.73	32	123.00	17.30	52	328.00	43.00	95	1,080.00	131.00
16	30.80	4.78	34	139.00	19.40	55	367.00	47.50	100	1,200.00	144.00

• Nylon 8-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
24	69.5	13.10	45	244.0	41.00	65	513.0	82.00	95	1,080.0	166.00
28	95.5	17.50	48	277.0	46.00	70	596.0	94.00	100	1,200.0	184.00
32	123.0	22.00	50	302.0	50.00	75	683.0	106.00	104	1,332.0	200.00
36	155.0	27.30	52	328.0	54.00	80	777.0	121.00	112	1,544.0	210.00
40	191.0	33.00	55	367.0	59.00	85	874.0	134.00	120	1,774.0	255.00
42	213.0	36.00	60	438.0	70.00	90	980.0	149.00			

• Nylon 12-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
36	166.0	29.80	52	336.0	58.70	68	572.0	98.00	96	1,138.0	191.00
40	200.0	35.00	56	402.0	69.60	72	660.0	112.00	104	1,332.0	210.00
44	242.0	42.30	60	452.0	77.90	80	806.0	133.00	112	1,544.0	228.00
48	286.0	49.50	64	504.0	86.60	88	956.0	157.00	120	1,774.0	270.00

*B.S. : Breaking strength



Rope



Polyethylene (PE) rope



• PE 3-Strand rope



• PE 1-Strand rope

Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
4	1.6	0.18	18	32.0	3.00	36	129.0	10.40	60	360.0	26.00
5	2.5	0.30	20	40.0	3.60	38	144.0	11.50	65	425.0	30.00
6	3.6	0.42	22	48.0	4.20	40	159.0	12.50	70	492.0	35.00
8	6.4	0.75	24	57.0	5.00	42	176.0	13.50	75	565.0	40.00
9	8.1	0.91	26	67.0	5.80	45	203.0	15.50	80	646.0	45.00
10	10.0	1.11	28	78.0	6.50	48	229.0	17.60	85	729.0	50.00
12	15.0	1.20	30	90.0	7.40	50	249.0	19.00	90	818.0	55.00
14	19.0	1.80	32	102.0	8.20	52	270.0	20.20	95	911.0	60.00
16	25.0	2.20	34	115.0	9.20	55	300.0	22.00	100	1,009.0	65.00

Polytex (PK) rope



• PK 3-Strand rope

Dia. (mm)	Weight (kgs/200m)	Dia. (mm)	Weight (kgs/200m)	Dia. (mm)	Weight (kgs/200m)	Dia. (mm)	Weight (kgs/200m)
6	3.86	14	21.00	24	61.50	34	124.00
8	7.00	16	27.00	26	72.50	36	139.00
9	8.50	18	34.50	28	84.00	38	155.00
10	11.00	20	43.00	30	96.50	40	171.00
12	16.00	22	52.00	32	110.00	45	216.00

*B.S. : Breaking strength



Compound 6-Strand rope



Size		Kuralon	PP	Size		PP	PP
Rope Dia (mm)	Wire Strand Dia(mm)	Wire Strand 1 x 24 (kg/200m)	Wire Strand 1 x 24 (kg/200m)	Rope Dia (mm)	Wire Strand Dia(mm)	Wire Strand 1 x 12 (kg/500m)	Wire Strand 1 x 24 (kg/500m)
16	2.00	52	47	22	3.00	199	223
18	2.67	73	68	22	3.33	221	251
20	3.33	103	92	22	4.00	273	315
22	4.00	138	124	22	4.67	333	391
24	4.67	179	164	22	5.33	404	479
26	5.33	225	210	24	3.33	241	271
28	6.00	275	261	24	4.00	293	335
30	6.67	333	317	24	4.67	353	411
32	7.33	393	376	24	5.33	424	499
34	8.00	457	439	26	4.00	314	356
36	8.00	483	445	26	4.67	374	432
36	8.67	530	511	26	5.33	445	521
38	8.00	503	450	28	4.00	337	379
38	8.67	550	518	28	4.67	407	455
40	8.00	523	460	28	5.33	468	543
40	8.67	570	528	28	6.00	544	641
42	8.00	543	470	28	6.67	631	751
42	8.67	590	536	30	4.00	361	403
45	8.00	563	485	30	4.67	421	479
45	8.67	610	552	30	5.33	492	568
50	8.00	583	505	30	6.00	568	666
50	8.67	630	580	30	6.67	655	775

Lead Cored (Pb) rope



Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)	Dia. (mm)	Weight (kgs/200m)	B.S. (ton)
6	5.28	0.50	14	28.50	2.40	24	82.50	6.50	34	163.00	12.40
8	9.50	0.85	16	37.50	3.00	26	99.00	7.50	36	182.00	12.70
9	12.00	1.06	18	45.00	3.80	28	115.00	8.50	38	203.00	15.10
10	15.00	1.29	20	59.00	4.50	30	127.50	9.90	40	225.00	16.70
12	21.00	1.80	22	70.00	5.60	32	142.50	11.00	45	285.00	20.70

*B.S. : Breaking strength



Rope



Super Max 12-Strand rope (Dyneema rope)



Dia. (mm)	Weight (kgs/100m)	B.S. (ton)	Dia. (mm)	Weight (kgs/100m)	B.S. (ton)	Dia. (mm)	Weight (kgs/100m)	B.S. (ton)	Dia. (mm)	Weight (kgs/100m)	B.S. (ton)
6	2.3	4.2	22	30.5	50.0	38	74.0	112.0	56	163.0	236.0
8	3.9	6.7	24	35.8	58.0	40	84.0	127.0	60	175.0	252.0
10	5.9	10.8	26	41.0	66.0	42	93.0	140.0	64	200.0	282.0
12	9.5	16.5	28	46.5	74.0	44	102.0	152.0	68	226.0	316.0
14	12.8	22.0	30	52.0	81.5	46	111.0	165.0	72	254.0	348.0
16	16.0	27.5	32	57.0	88.5	48	121.0	179.0	80	313.0	422.0
18	20.8	35.0	34	62.5	96.0	50	131.0	193.0	88	379.0	503.0
20	25.5	41.5	36	68.0	104.0	52	141.0	206.0	96	451.0	588.0

Super max Plus rope (core : S- max 12st. / cover : polyester)



Dia. (mm)	Weight (kgs/100m)	B.S. (ton)	Dia. (mm)	Weight (kgs/100m)	B.S. (ton)	Dia. (mm)	Weight (kgs/100m)	B.S. (ton)	Dia. (mm)	Weight (kgs/100m)	B.S. (ton)
16	16.0	16	30	63.4	68	48	150.0	165	76	406.0	429
18	21.0	22	32	74.0	74	50	174.0	180	80	429.0	458
20	26.5	28	34	80.4	84	52	183.0	195	88	524.0	540
22	31.0	35	36	85.9	93	56	218.0	230	96	579.0	626
24	36.5	43	38	103.5	102	60	239.0	263	104	674.0	745
25	46.5	46	40	110.0	114	64	291.0	308	112	731.0	833
26	49.1	54	42	128.0	127	68	316.0	345	120	841.0	955
28	60.0	63	44	133.0	135	72	344.0	380			

*B.S. : Breaking strength



Ultima HP 12-Strand rope



Dia. (mm)	Weight (kgs/100m)	B.S. (ton)	Dia. (mm)	Weight (kgs/100m)	B.S. (ton)	Dia. (mm)	Weight (kgs/100m)	B.S. (ton)
6	2.3	4.2	32	57.0	88.5	64	200.0	282.0
8	3.9	6.7	36	68.0	104.0	65	207.0	291.0
9	5.0	8.7	40	84.0	127.0	68	226.0	316.0
11	7.1	13.6	42	93.0	140.0	70	239.0	335.0
12	9.5	16.5	44	102.0	152.0	72	254.0	348.0
16	16.0	27.5	45	107.0	159.0	75	276.0	378.0
18	20.8	35.0	48	121.0	179.0	80	313.0	422.0
22	30.5	50.0	50	132.0	194.0	85	354.0	477.0
24	35.9	58.0	52	141.0	206.0	88	379.0	503.0
26	41.0	66.0	55	158.0	231.0	90	395.0	526.0
28	47.0	74.0	56	163.0	236.0	95	440.0	575.0
30	52.0	81.5	60	175.0	252.0	96	451.0	588.0

Ultima HP PLUS rope

(core : Ultima HP 12st. / cover : polyester)



Dia. (mm)	Weight (kgs/100m)	B.S. (ton)	Dia. (mm)	Weight (kgs/100m)	B.S. (ton)	Dia. (mm)	Weight (kgs/100m)	B.S. (ton)
22	31.1	38.6	45	116.0	141.2	70	282.0	364.5
24	37.0	46.0	48	137.0	165.2	72	295.0	380.0
26	43.5	54.0	50	149.0	179.3	75	320.0	412.3
28	51.0	63.1	52	161.0	195.2	80	359.0	458.0
30	58.6	68.7	55	180.0	218.4	85	405.0	517.0
32	65.0	74.2	56	183.0	230.0	88	421.0	540.0
36	79.0	93.0	60	205.0	263.0	90	440.0	564.8
40	95.0	114.0	64	236.0	308.0	95	490.0	618.3
42	105.0	127.5	65	243.0	317.7	96	511.0	626.0
44	111.0	135.0	68	266.4	344.0			

*B.S. : Breaking strength



Lankoforce®12-Strand (Dyneema rope)



Diameter (mm)	Weight (kgs/100m)	SK 60 B.S.(ton)	SK 75 B.S.(ton)	Diameter (mm)	Weight (kgs/100m)	SK 60 B.S.(ton)	SK 75 B.S.(ton)
10	5.7	7.2	9	32	55	71.5	89.04
12	8	10.4	13	34	62	80.5	100
14	11	14.1	17	36	69	89	111
16	14	17.8	22	38	77	98.5	123
18	18	22.4	28	40	86	108	136
20	22	27.7	34	42	94	120	148
22	26	33.6	42	44	104	132	168
24	31	39.8	48	46	113	144	182
26	36	47	58	48	123	156	195
28	42	54.4	68	50	138	168	203
30	48	62.5	78	52	150	180	215



Super 12 plus rope



Diameter (mm)	Weight (g/m)	B.S. (kgf)
8	53	2,500
10	63	3,000
12	83	3,700
14	110	4,700
16	124	5,300
18	159	6,100

The SUPER 12 PLUS BRAIDED NET TWINES is a 12strand Nylon product that an in-house develop coating which stands for high resistance against abrasion.

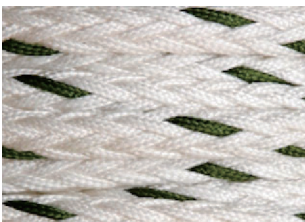
Other important characteristics of SUPER 12 PLUS are:

- Stabilised and impregnated to improve abrasion properties
- Perfect diameter stability
- Easy to handle and splice.

The SUPER 12 PLUS BRAIDED NET TWINES can be supplied in natural colour or with three markers (red, green or blue). This material is supplied on plastic reels of around 24kg.



Super 12 double braided rope



Diameter (mm)	Weight (g/m)	B.S. (kgf)
10	64	3,100
12	92	4,200
14	107	4,700
16	119	5,400
18	138	6,700

The SUPER 12 DOUBLE BRAIDED NET TWINES is a 12strand Nylon product that has an in-house develop coating and braided strands to improve resistance against abrasion.

Other important characteristics of the SUPER 12 DOUBLE BRAIDED are:

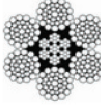
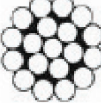
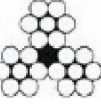
- Braided strands, stabilised and impregnated to improve abrasion properties
- Perfect diameter stability
- Easy to splice

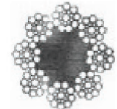
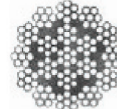
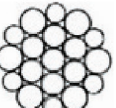
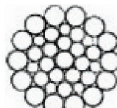
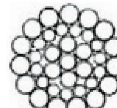
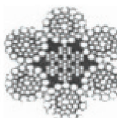
The SUPER 12 DOUBLE BRAIDED NET TWINES can be supplied in natural colour or with three marker (red, green or blue). This material is supplied on plastic reels of around 24kg.

*B.S. : Breaking strength



Steel wire rope

General Wire Rope							
							
6×7	6×12	6×24	6×30	6×19	6×S(19)	6×W(19)	6×Fi(21)
							
6×Fi(25)	6×WS(26)	6×37	6×Fi(29)	6×WS(31)	6×WS(36)	6×SeS(37)	6×WS(41)
							
6×19IWRC	6×S(19)IWRC	6×W(19)IWRC	6×Fi(21)IWRC	6×Fi(25)IWRC	6×WS(26)IWRC	6×37IWRC	6×Fi(29)IWRC
							
6×Ws(31)IWRC	6×WS(36)IWRC	6×SeS(37)IWRC	7×7	7×19	7×37	8×S(19)	8×W(19)
							
8×Fi(25)	8×S(19)IWRC	8×W(19)IWRC	8×Fi(25)IWRC	17×7	18×7	19×7	34×7FC
							
35×7FC	1×7	1×19	1×37	3×7	4×7	7×7×7	7×7×S(19)

Various type of Wire Rope				
				
3 strands	4 strands	6 strands	8 strands	12 strands
				
Seale type	Warrington type	Filler type	Warrington-Seale Type	Semi seale type
				
FC	IWRC	IWSC		



Standard table of steel wire rope

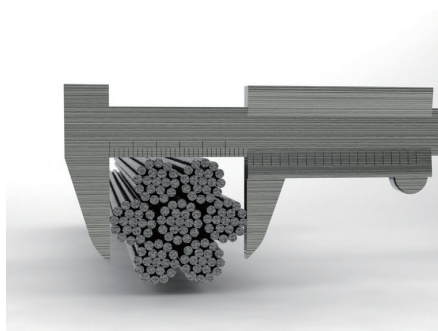
Dia. (mm)	6 x 24			6 x 37				6 x S(19), 6 x Fi(25), 6 x WS(26), 6 x W(19)			
	Weight (kg/m)	B.S.(ton)		Weight (kg/m)	B.S.(ton)			Weight (kg/m)	B.S.(ton)		
		G-class	A-class		G-class	A-class	B-class		G-class	A-class	B-class
6	0.120	1.68	1.81	0.129	1.81	1.95	2.07	0.139	1.82	2.00	2.13
8	0.212	2.99	3.22	0.230	3.22	3.47	3.70	0.247	3.23	3.55	3.79
10	0.332	4.67	5.03	0.359	5.03	5.42	5.78	0.386	5.04	5.55	5.92
12	0.478	6.72	7.24	0.517	7.25	7.80	8.32	0.556	7.26	8.00	8.52
14	0.651	9.15	9.85	0.704	9.86	10.60	11.30	0.756	9.88	10.90	11.60
16	0.850	12.00	12.90	0.920	12.90	13.90	14.80	0.988	12.90	14.20	15.20
18	1.080	15.10	16.30	1.160	16.30	17.50	18.70	1.250	16.30	18.00	19.20
20	1.330	18.70	20.10	1.440	20.10	21.70	23.10	1.540	20.20	22.20	23.70
22	1.610	22.60	24.30	1.740	24.40	26.20	27.90	1.870	24.40	26.80	28.60
24	1.910	26.90	28.90	2.070	29.00	31.20	33.20	2.220	29.00	32.00	34.00
26	2.240	31.60	33.90	2.430	34.00	36.60	38.90	2.610	34.10	37.50	39.90
28	2.600	36.60	39.40	2.820	39.50	42.50	45.30	3.020	39.50	43.50	46.40
30	2.990	42.00	45.20	3.230	45.30	48.70	52.00	3.470	45.40	50.00	53.30
32	3.400	47.80	51.40	3.680	51.60	55.40	59.00	3.950	51.60	56.80	60.50
34	3.840	54.00	58.00	4.150	58.20	62.50	66.60	4.460	58.30	64.10	68.30
36	4.300	60.50	65.10	4.660	65.30	70.10	74.60	5.000	65.40	71.90	76.50
38	4.790	67.50	72.50	5.190	72.70	78.10	83.20	5.570	72.80	80.10	85.30
40	5.310	74.70	80.40	5.750	80.50	86.70	92.40	6.170	80.60	88.90	94.70
42	5.860	82.40	88.60	6.340	88.80	95.40	102.00	6.810	89.00	97.90	104.00

Dia. (mm)	6 x S(19)IWRC, 6 x Fi(25)IWRC 6 x W(19)IWRC, 6 x WS(26)IWRC			6 x Fi(29), 6 x WS(31) 6 x WS(36), 6 x WS(41), 6 x SES(37)				6 x Fi(29)IWRC, 6 x WS(31)IWRC 6 x WS(36)IWRC, 6 x WS(41)IWRC, 6 x SES(29)IWRC		
	Weight (kg/m)	B.S.(ton)		Weight (kg/m)	B.S.(ton)			Weight (kg/m)	B.S.(ton)	
		A-class	B-class		G-class	A-class	B-class		A-class	B-class
6	0.155	2.28	2.42	0.142	1.85	2.04	2.17	0.158	2.33	2.48
8	0.275	4.05	4.31	0.253	3.29	3.63	3.87	0.282	4.15	4.41
10	0.430	6.34	6.75	0.396	5.14	5.67	6.04	0.440	6.49	6.90
12	0.619	9.12	9.69	0.570	7.41	8.15	8.67	0.634	9.33	9.91
14	0.843	12.40	13.20	0.776	10.10	11.10	11.80	0.836	12.70	13.50
16	1.100	16.20	17.30	1.010	13.20	14.50	15.50	1.130	16.60	17.70
18	1.390	20.50	21.90	1.280	16.70	18.40	19.60	1.430	21.00	22.40
20	1.720	25.40	27.00	1.580	20.60	22.70	24.20	1.760	25.90	27.60
22	2.080	30.60	32.60	1.920	24.90	27.40	29.20	2.130	31.30	33.30
24	2.480	36.50	38.80	2.280	29.70	32.60	34.70	2.530	37.30	39.70
26	2.910	42.80	45.50	2.680	34.80	38.30	40.70	2.980	43.80	46.50
28	3.370	49.70	52.90	3.100	40.30	44.40	47.40	3.450	50.90	54.10
30	3.870	57.10	60.70	3.560	46.30	51.00	54.40	3.960	58.40	62.10
32	4.400	64.80	68.90	4.050	52.70	58.00	61.70	4.510	66.40	70.50
34	4.970	73.20	77.80	4.500	59.50	65.50	69.60	5.090	74.90	79.60
36	5.570	82.10	87.20	5.130	66.70	73.40	78.10	5.700	84.00	89.20
38	6.210	91.40	97.20	5.720	74.30	81.80	87.00	6.360	93.60	99.40
40	6.880	101.00	108.00	6.330	82.30	90.70	96.60	7.040	104.00	110.00
42	7.590	112.00	119.00	6.980	90.80	99.90	106.00	7.760	114.00	121.00

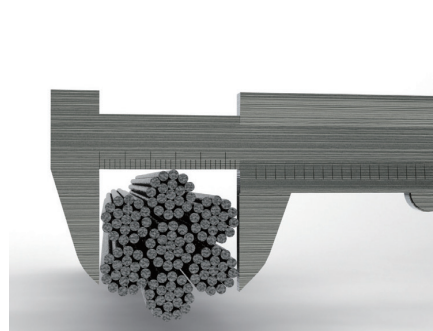
*B.S. : Breaking strength *FC : Fiber core
*IWRC : Independent wire rope core



How to measure and say the ropes



Correct way



Incorrect way

Regular way



Right handed
(Z-Twisted)



Left handed
(S-Twisted)

Lang's way

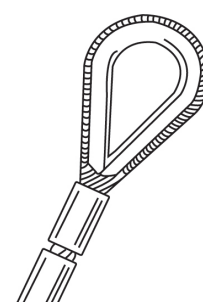
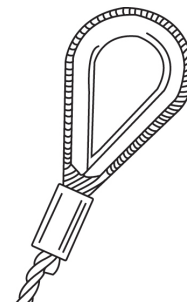
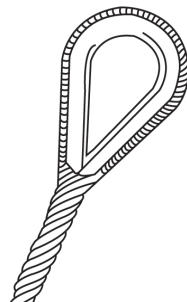


Right handed
(Z-Twisted)



Left handed
(S-Twisted)

Wire rope sling



• Splice

• Splicing with Course

• Single locking with Course

• Double locking with Course

- Both end eye splice
- Both end eye splice with course
- Both end single locking with course
- Both end double locking with course

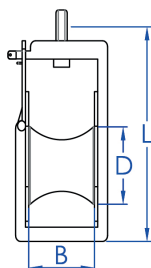
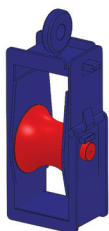
- One end eye splice
- One end eye splice with course
- One end single locking with course
- One end double locking with course



BLOCK

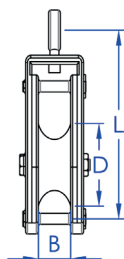


Top roller



Code	Dimensions(mm)			W.L.L. (ton)	Weight (kg)
	D	B	L		
TRB 030	250	180	690	3.0	110
TRB 050	280	195	770	5.0	180
TRB 070	300	205	870	7.0	260
TRB 100	350	230	930	10.0	380
TRB 120	420	250	1040	12.0	420
TRB 150	500	260	1110	15.0	550

Jin block



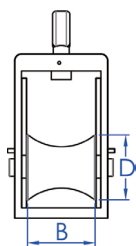
• Standard type

Code	Dimensions(mm)			W.L.L. (ton)	Weight (kg)
	D	B	L		
JBST 010	100	32	210	1.0	3.7
JBST 014	125	38	230	1.4	5.0
JBST 020	140	44	260	2.0	7.0
JBST 022	150	44	290	2.2	7.6
JBST 027	180	50	320	2.7	11.5
JBST 040	200	60	370	4.0	17.5
JBST 050	250	75	400	5.0	30.0

• Snatch type

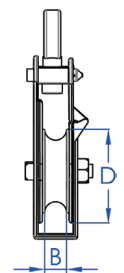
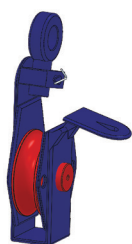
Code	Dimensions(mm)			W.L.L. (ton)	Weight (kg)
	D	B	L		
JBSN 010	100	32	210	1.0	4.2
JBSN 014	125	38	240	1.4	5.5
JBSN 020	140	44	270	2.0	7.5
JBSN 022	150	44	300	2.2	8.1
JBSN 027	180	50	350	2.7	12.0
JBSN 040	200	60	380	4.0	18.0
JBSN 050	250	75	420	5.0	30.5

Wide roller block



Code	Dimensions(mm)			W.L.L. (ton)	Weight (kg)
	D	B	L		
WRB 030	145	100		3.0	20
WRB 050	150	140		5.0	30
WRB 070	170	140		7.0	38
WRB 100	240	170		10.0	92
WRB 150	300	180		15.0	130
WRB 200	350	200		20.0	185

Standard snatch block



Code	Dimensions(mm)			W.L.L. (ton)	Weight (kg)
	D	B	L		
SSB 010	150	40		1.0	12
SSB 020	200	48		2.0	20
SSB 030	200	54		3.0	22
SSB 050	240	65		5.0	28
SSB 100	280	75		10.0	45

*W.L.L. : Working Load Limit

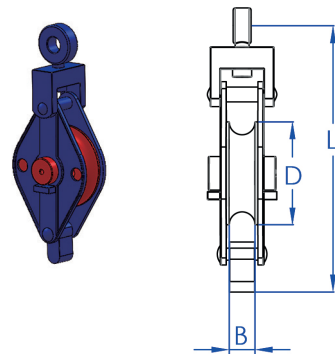
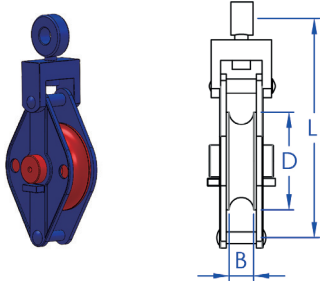


Block



Fish tackle off type

• Single sheave



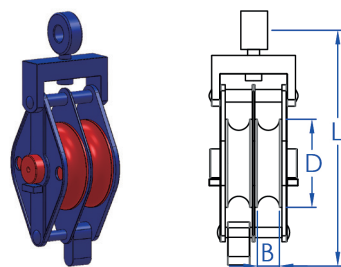
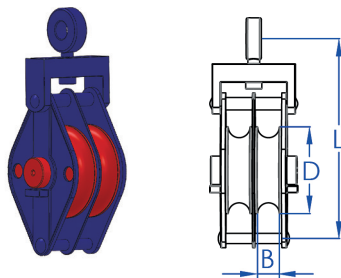
A type

Code	Dimensions(mm)			W.L.L. (ton)	Approx. Weight (kg)
	D	B	L		
FTOSA 03	235	40	550	3	24
FTOSA 05	235	40	590	5	28
FTOSA 10	250	45	600	10	36
FTOSA 15	250	46	680	15	44
FTOSA 20	250	50	710	20	51
FTOSA 40	350	67	1000	40	120

B type

Code	Dimensions(mm)			W.L.L. (ton)	Approx. Weight (kg)
	D	B	L		
FTOSB 03	235	40	620	3	25
FTOSB 05	235	40	660	5	29
FTOSB 10	250	45	670	10	38
FTOSB 15	250	46	760	15	46
FTOSB 20	250	50	800	20	54
FTOSB 40	350	67	1100	40	125

• Double sheave



A type

Code	Dimensions(mm)			W.L.L. (ton)	Approx. Weight (kg)
	D	B	L		
FTODA 03	235	40	550	3	39
FTODA 05	235	40	590	5	44
FTODA 10	250	45	550	10	53
FTODA 15	250	46	620	15	63
FTODA 20	250	50	650	20	70
FTODA 40	350	67	935	40	245

B type

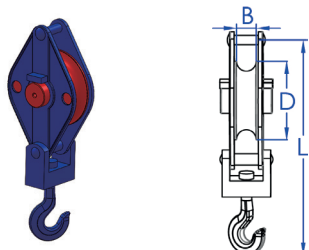
Code	Dimensions(mm)			W.L.L. (ton)	Approx. Weight (kg)
	D	B	L		
FTODB 03	235	40	620	3	40
FTODB 05	235	40	660	5	45
FTODB 10	250	45	620	10	55
FTODB 15	250	46	700	15	65
FTODB 20	250	50	740	20	75
FTODB 40	350	67	1035	40	255

*W.L.L. : Working Load Limit



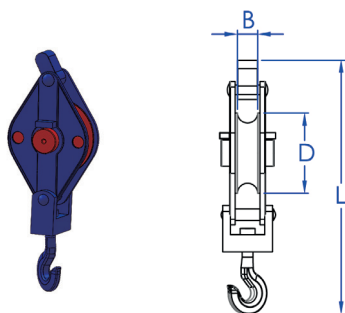
Fish tackle hook type

• Single sheave



A type

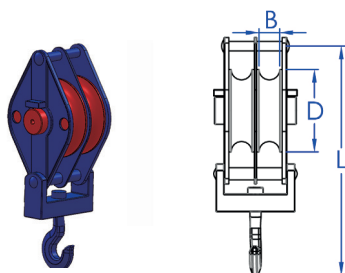
Code	Dimensions(mm)			W.L.L. (ton)	Approx. Weight (kg)
	D	B	L		
FTHSA 03	235	40	615	3	29
FTHSA 05	235	40	650	5	39
FTHSA 10	250	45	705	10	50
FTHSA 15	250	46	750	15	60
FTHSA 20	250	50	790	20	74
FTHSA 40	350	67	1300	40	130



B type

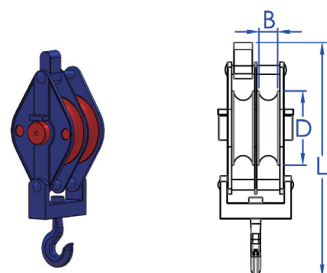
Code	Dimensions(mm)			W.L.L. (ton)	Approx. Weight (kg)
	D	B	L		
FTHSB 03	235	40	680	3	30
FTHSB 05	235	40	725	5	39
FTHSB 10	250	45	795	10	52
FTHSB 15	250	46	850	15	63
FTHSB 20	250	50	900	20	77
FTHSB 40	350	67	1450	40	135

• Double sheave



A type

Code	Dimensions(mm)			W.L.L. (ton)	Approx. Weight (kg)
	D	B	L		
FTHDA 03	235	40	615	3	39
FTHDA 05	235	40	650	5	49
FTHDA 10	250	45	705	10	62
FTHDA 15	250	46	750	15	75
FTHDA 20	250	50	790	20	90
FTHDA 40	350	67	1300	40	185



B type

Code	Dimensions(mm)			W.L.L. (ton)	Approx. Weight (kg)
	D	B	L		
FTHDB 03	235	40	680	3	40
FTHDB 05	235	40	725	5	50
FTHDB 10	250	45	795	10	64
FTHDB 15	250	46	850	15	77
FTHDB 20	250	50	900	20	93
FTODB 40	350	67	1450	40	190

*W.L.L. : Working Load Limit

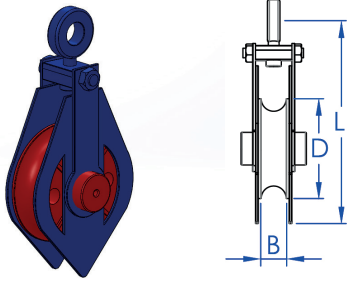


Block



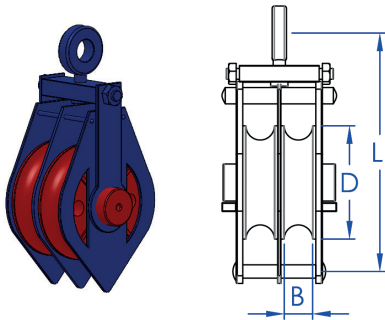
Ship's steel cargo block with roller bearing

• Single sheave



Code	Dia of rope(mm)	D	Size (mm) L	B	W.L.L.(ton)
CB-340-1AR	20	340	612	83	3.5
CB-340-1BR			741		
CB-410-1AR	24	410	680	100	5.0
CB-410-1BR			790		
CB-430-1AR	25	430	753	101	5.5
CB-430-1BR			907		
CB-460-1AR	26	460	815	103	6.5
CB-460-1BR			930		
CB-480-1AR	28	480	852	105	7.0
CB-480-1BR			1012		

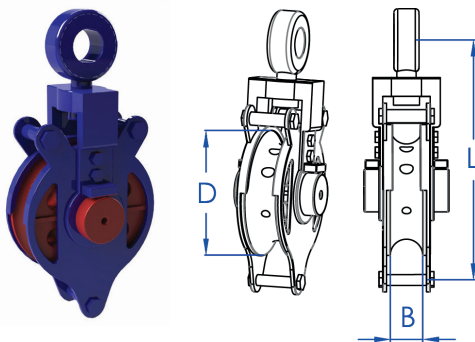
• Double sheave



Code	Dia of rope(mm)	D	Size (mm) L	B	W.L.L.(ton)
CB-340-2AR	20	340	660	83	13.0
CB-340-2BR			790		16.0
CB-410-2AR	24	410	710	100	14.0
CB-410-2BR			830		23.0
CB-430-2AR	25	430	787	101	21.0
CB-430-2BR			937		25.0
CB-460-2AR	26	460	905	103	24.0
CB-460-2BR			1040		29.0
CB-480-2AR	28	480	885	105	28.0
CB-480-2BR			1065		34.0

Ship's steel cargo block with bush

• Single sheave



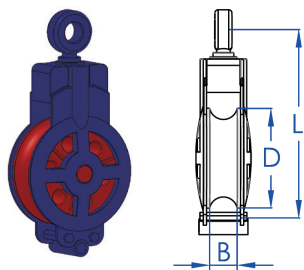
Code	Dia of rope(mm)	D	Size (mm) L	B	W.L.L.(ton)
CB-220-1A	12.5	220	400	35	1.40
CB-220-1B			460		
CB-240-1A	14.0	240	440	40	1.75
CB-240-1B			515		
CB-280-1A	16.0	280	510	48	2.25
CB-280-1B			600		
CB-340-1A	20.0	340	610	55	3.50
CB-340-1B			710		
CB-410-1A	24.0	410	740	62	5.00
CB-410-1B			830		
CB-430-1A	25.0	430	750	65	5.50
CB-430-1B			875		
CB-460-1A	26.0	460	855	68	6.50
CB-460-1B			1000		
CB-480-1A	28.0	480	852	71	7.00
CB-480-1B			995		
CB-460-1TA	33.5	460	855	67	11.00
CB-460-1TB			1090	68	

*A: Without bracket B: With bracket

*W.L.L. : Working Load Limit



Cast steel cargo block

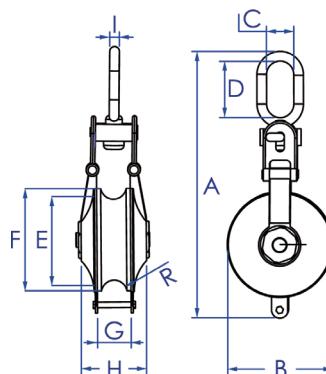


Code	Size (mm)			W.L.L. (ton)	Weight (kg)
	D	L	B		
CSCB 340 1R □	340	632	70	3.5	50
CSCB 340 2R □	340	677	70	13.0	88
CSCB 355 1R □	355	650	72	5.0	58
CSCB 410 1R □	410	750	83	5.0	81
CSCB 410 2R □	410	850	83	19.0	167
CSCB 430 1R □	430	781	85	5.5	88
CSCB 430 2R □	430	730	85	21.0	173

1R: Single sheave

2R: Double sheave

Lashing snatch block

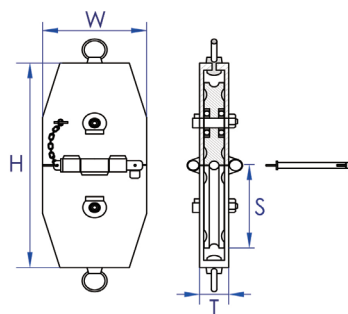


Code	W.L.L. (ton)	Dimensions(mm)										Weight (kg)
		A	B	C	D	E	F	G	H	I	R	
LSB-5IN	3.0	370	140	25	50	98	114	32	98	20	15	7.2
LSB-6IN	5.0	480	166	40	85	126	150	37	128	26	15	15.0

* Material : Carbon Steel(Forging), Stainless Steel(Casting)

Stainless block for sounder cable

Double type 140-2 (foldable type)



Code	Dimensions(mm)				Weight (kg)
	H	W	S	T	
140-2	340	150	140	42	13

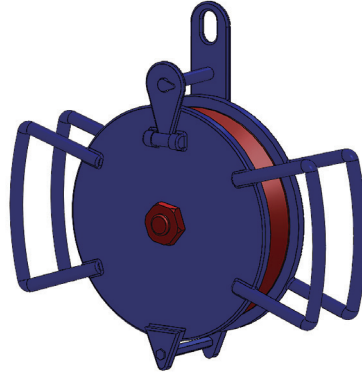
*W.L.L. : Working Load Limit



Block



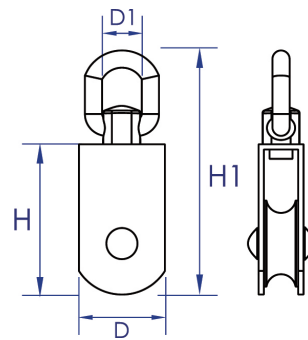
IGEK cable block Snatch type



SIZE

Snatch type Third wire block
For Dia. 11~12mm of third wire - with ball bearing

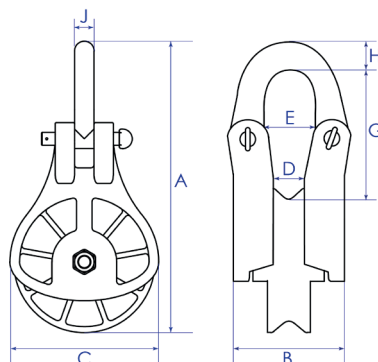
Stainless sanma block



Code	Dimensions(mm)				Weight (kg)
	D	D1	H	H1	
SB 2IN	50	20	75	122	-
SB 3IN	75	25	100	176	1.4
SB 4IN	100	31	128	204	2.3

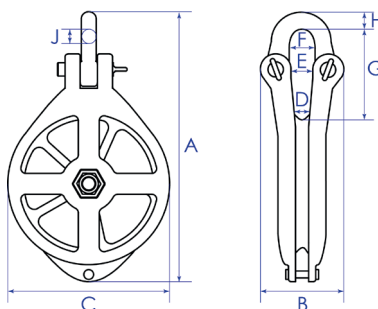


SKOOKUM® Half sided block



	Code	Sheave size(mm)	Rope size (mm)	Weight (kg)	W.L.L. (ton)	A	B	C	D	E	G	J	H
Bronze bearing	A-4	100 x 35	10~13	4.19	5.0	196.9	88.9	114.3	28.7	28.7	98.6	22.4	19.1
	A-6	150 x 28	10~13	7.71	7.0	266.7	101.6	165.1	22.4	38.1	114.3	26.9	31.8
	A-8	200 x 28	13~16	10.66	8.0	368.3	101.6	228.6	25.4	44.5	127.0	28.7	35.1
	A-10	250 x 32	16~19	15.42	8.0	419.1	101.6	279.4	25.4	35.1	152.4	28.7	35.1
	A-12	300 x 35	19~22	24.22	13.5	501.7	158.8	317.5	31.8	44.5	184.2	36.6	35.1
Roller bearing	A-4R	100 x 35	10~13	4.08	5.0	196.9	88.9	114.3	28.7	28.7	98.6	22.4	19.1
	A-6R	150 x 28	10~13	7.71	6.5	266.7	101.6	165.1	22.4	38.1	114.3	26.9	31.8
	A-8R	200 x 28	13~16	10.68	6.5	368.3	101.6	228.6	25.4	44.5	127.0	28.7	35.1
	A-10R	250 x 32	16~19	16.78	6.5	419.1	101.6	279.4	25.4	35.1	152.4	28.7	35.1
	A-12R	300 x 35	19~22	24.95	12.5	501.7	158.8	317.5	31.8	44.5	184.2	36.6	35.1

SKOOKUM® Full sided block



	Code	Sheave size(mm)	Rope size (mm)	Weight (kg)	W.L.L. (ton)	A	B	C	D	E	F	G	H	J
Bronze bearing	A-4T	100 x 35	6~10	5.90	5.0	244.6	88.9	114.3	28.7	38.1	36.3	88.9	22.4	19.1
	A-6T	150 x 28	10~13	9.07	7.0	304.8	101.6	165.1	22.4	38.1	28.7	114.3	26.9	31.8
	A-8T	200 x 28	13~16	14.06	8.0	416.1	101.6	219.2	25.4	38.1	38.1	146.1	28.7	35.1
	A-10T	250 x 32	16~19	16.78	8.0	469.9	101.6	279.4	25.4	38.1	38.1	152.4	28.7	35.1
	A-12T	300 x 35	19~22	27.22	13.5	533.4	158.8	317.5	25.4	44.5	44.5	184.2	36.6	35.1
Roller bearing	A-4RT	100 x 35	6~10	5.90	5.0	244.6	88.9	114.3	28.7	38.1	36.3	88.9	22.4	19.1
	A-6RT	150 x 28	10~13	9.07	6.5	304.8	101.6	165.1	22.4	38.1	28.7	114.3	26.9	31.8
	A-8RT	200 x 28	13~16	14.06	6.5	416.1	101.6	219.2	25.4	38.1	38.1	146.1	28.7	35.1
	A-10RT	250 x 32	16~19	18.14	6.5	469.9	101.6	279.4	25.4	38.1	38.1	152.4	28.7	35.1
	A-12RT	300 x 35	19~22	27.22	12.5	533.4	158.8	317.5	25.4	44.5	44.5	184.2	36.6	35.1

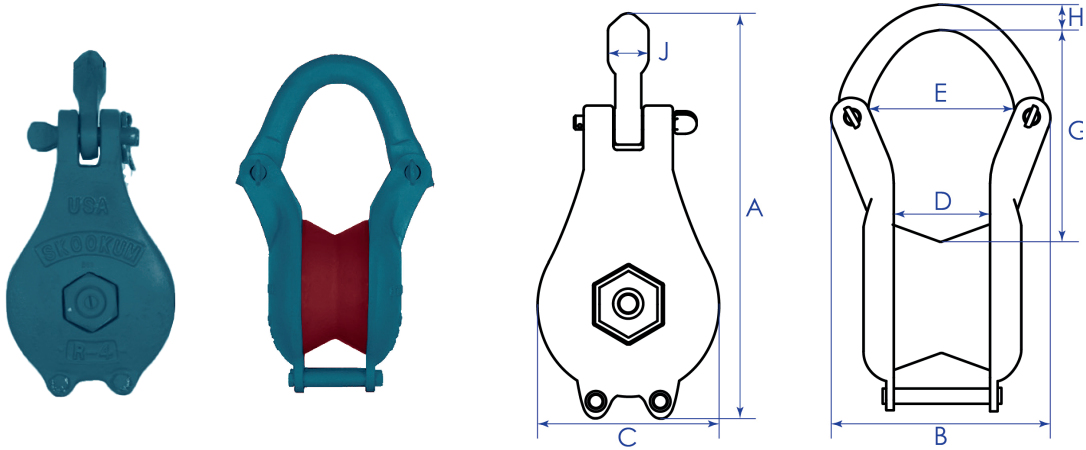
* R: Roller Bearing
*W.L.L. : Working Load Limit



Block

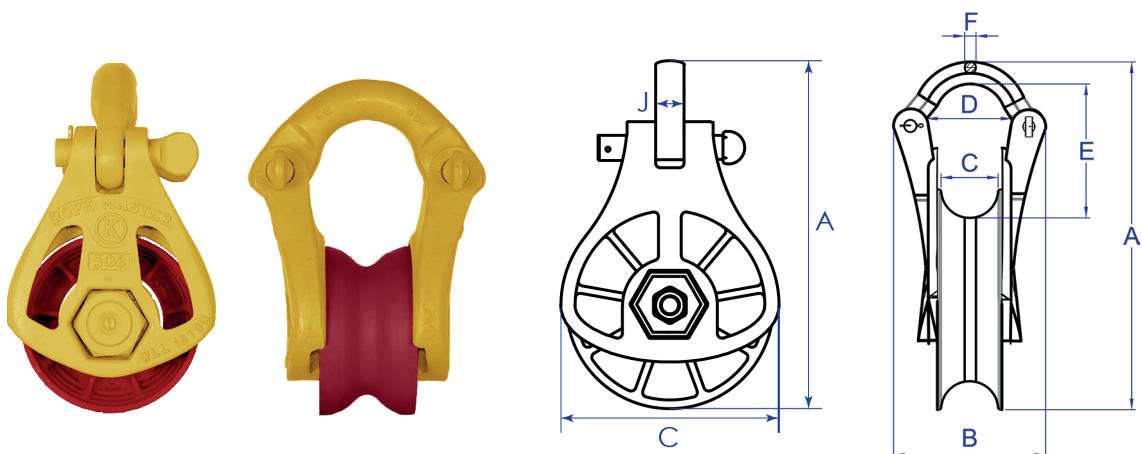


SKOOKUM® Utili sheave full-sided block



	Code	Sheave size(mm)	Rope size (mm)	Weight (kg)	W.L.L. (ton)	A	B	C	D	E	G	H	J
Roller bearing	R4	102	10	5.19	5.0	254	44.5	120.7	25.4	63.5	133.4	25.4	25.4
	R6	152	10~13	13.60	8.0	368.3	203.2	171.5	63.5	114.3	165.1	31.8	31.8
	R8	203	13~16	19.50	8.0	431.8	215.9	222.3	63.5	120.7	184.2	35.1	35.1
	R10	254	13~16	22.68	9.0	495.3	203.2	266.7	88.9	120.7	184.2	35.1	35.1

SKOOKUM® Wide throat & utili sheave block



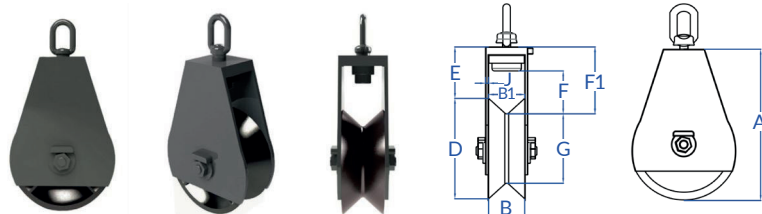
	Code	Sheave size(mm)	Rope size (mm)	Weight (kg)	W.L.L. (ton)	A	B	C	D	E	G	H	J
Roller bearing	508	203	25~29	32.66	15.0	279.4	241.3	101.6	101.6	133.4	165.1	50.8	50.8
	TM-10	254	25~32	49.90	25.0	304.8	292.1	114.3	114.3	152.4	228.6	50.8	50.8
	2216WA	406	29~32	129.27	25.0	346.2	419.1	171.5	241.3	241.3	381.0	60.5	60.5

*W.L.L. : Working Load Limit



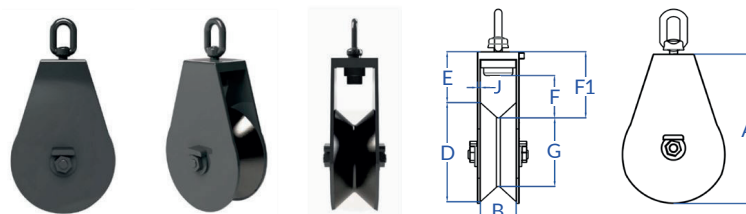
Trawl block

• A type



Code	W.L.L. (ton)	Dimensions(mm)									Weight (kg)
		A	B	B1	D	E	F	F1	G	J	
K370-2A □	13	580	140	140	370	260	120	245	285	12	115
K400-2A □	15	670	180	180	400	245	180	305	300	15	185
K500-2A □	20	785	180	180	500	285	185	345	380	20	275
K600-2A □	30	910	180	180	600	310	190	380	480	20	360
K650-2A □	30	985	240	220	650	335	225	415	500	20	500
K800-2A □	40	1125	240	220	800	325	240	440	600	20	750
K1000-2A □	60	1485	260	240	1000	485	270	570	825	25	1320

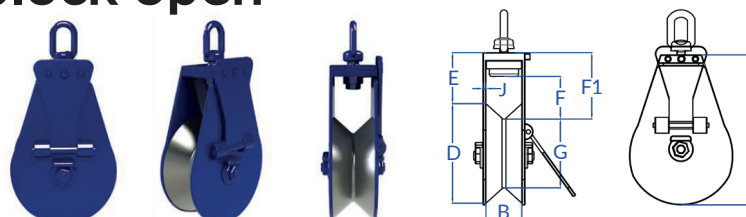
• B type



Code	W.L.L. (ton)	Dimensions(mm)								Weight (kg)
		A	B	D	E	F	F1	G	J	
K130-□ □	4	240	100	130	110	85	133	85	10	16.0
K170-□ □	6	305	100	170	140	100	163	125	10	25.0
K215-□ □	6	355	100	215	132	110	165	164	10	36.5
K230-□ □	9	405	120	230	150	110	180	170	12	45.0
K240-□ □	9	420	150	240	190	140	220	170	12	54.0
K300-□ □	11	475	120	300	170	120	200	240	12	64.0
K370-□ □	13	580	140	370	240	140	285	285	12	110.0
K400-□ □	15	670	180	400	245	210	305	300	15	180.0



Trawl block open



Code	W.L.L. (ton)	Dimensions(mm)								Weight (kg)
		A	B	D	E	F	F1	G	J	
KO300-1 □	11	485	120	300	170	125	205	240	12	69
KO370-2 □	13	600	140	380	190	150	235	285	12	125
KO400-2 □	15	670	180	400	210	175	270	300	15	187
KO500-2 □	20	825	180	500	260	185	310	380	20	300



□ Swivel eye
□ Bronze bushing



□ Swivel hook
□ Ball bearing



□ Swivel fork
□ Roller bearing



□ Eye of shackle
□ Test with certificate



□ Firm eye
□ Galvanized



□ Eye for icedavit
□ Flame hardened sheave

*W.L.L. : Working Load Limit

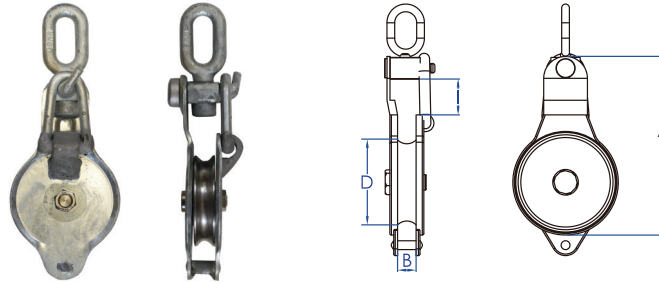


Block



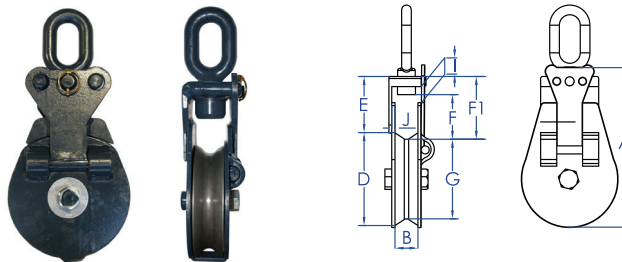
Snatch block

• A type



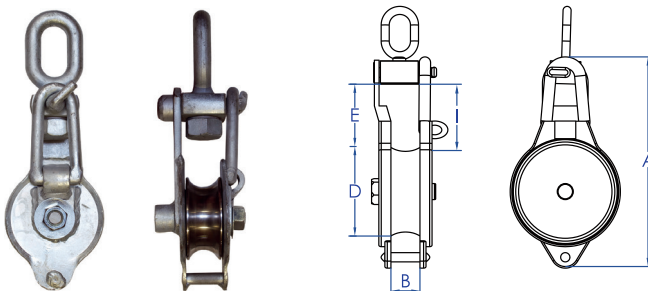
Code	W.L.L. (ton)	Dimensions(mm)				Max. wire (mm)	Weight (kg)
		A	B	D	I		
KS2-□ □	2.0	225	24	110	23	18	3.7
KS3-□ □	3.0	300	28	150	30	18	7.5
KS4-□ □	4.0	330	35	185	33	22	13.5
KS6-□ □	6.0	378	41	210	35	24	19.4

• B type



Code	W.L.L. (ton)	Dimensions(mm)									Max. wire (mm)	Weight (kg)
		A	B	D	E	F	F1	G	I	J		
KS230-2 □	7	380	57	230	120	70	140	195	42	8	28	31
KS300-2 □	10	440	66	300	130	70	150	260	45	10	28	51
KS400-2 □	15	595	70	400	180	105	210	345	70	12	28	106
KS500-2 □	20	800	76	515	220	130	260	445	85	15	30	165

• C type



Code	W.L.L. (ton)	Dimensions(mm)				Weight (kg)
		A	B	D	E	I
KS 40 □	3.5	250	45	100	45	50
KS 50 □	4.6	325	60	150	90	65
KS 60 □	6.0	375	60	215	80	60

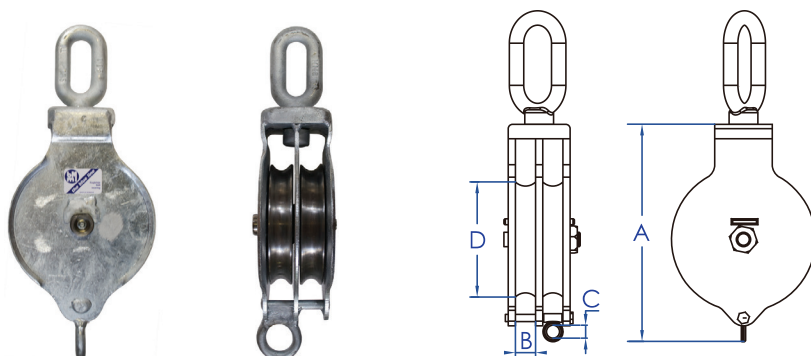
☐ Swivel eye	☐ Swivel hook	☐ Swivel fork	☐ Eye of shackle	☐ Firm eye	☐ Eye for icedavit
☐ Bronze bushing	☐ Ball bearing	☐ Roller bearing	☐ Test with certificate	☐ Galvanized	☐ Flame hardened sheave

*W.L.L. : Working Load Limit



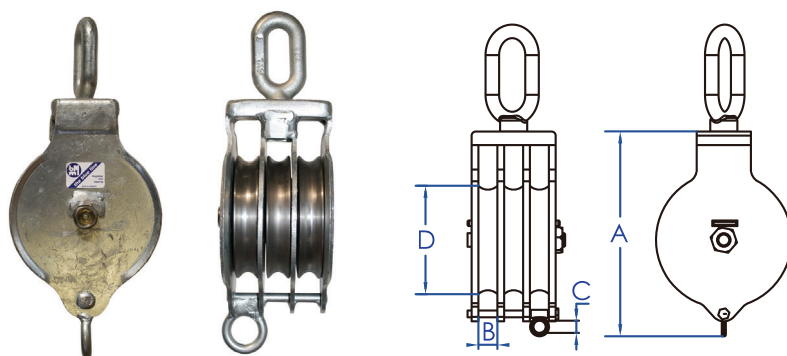
Galvanized block

• A type



Code	W.L.L. (ton)	Dimensions(mm)				Max. wire (mm)	Weight (kg)
		A	B	C	D		
KT 1D-□□	1.0	187	22	16	80	16	3.1
KT 2D-□□	2.0	224	24	22	110	18	5.2
KT 3D-□□	3.0	296	28	31	150	20	11.0
KT 4D-□□	4.0	385	35	40	185	22	19.0
KT 6D-□□	6.0	425	42	40	210	24	27.8

• B type



Code	W.L.L. (ton)	Dimensions(mm)				Max. wire (mm)	Weight (kg)
		A	B	C	D		
KT 1T-□□	1.0	187	22	16	80	16	4.5
KT 2T-□□	2.0	224	24	22	110	18	7.5
KT 3T-□□	3.0	296	28	31	150	20	15.8
KT 4T-□□	4.0	385	35	40	185	22	27.4
KT 6T-□□	6.0	425	42	40	210	24	40.0

*W.L.L. : Working Load Limit

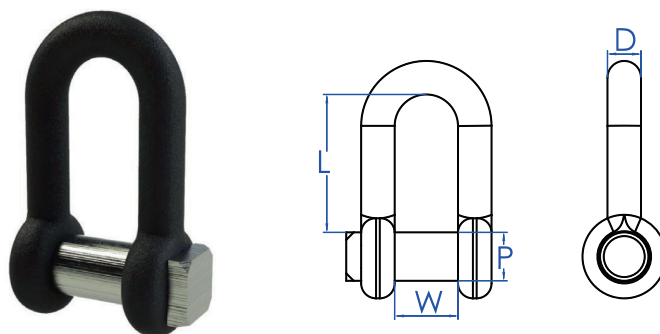


SHACKLE



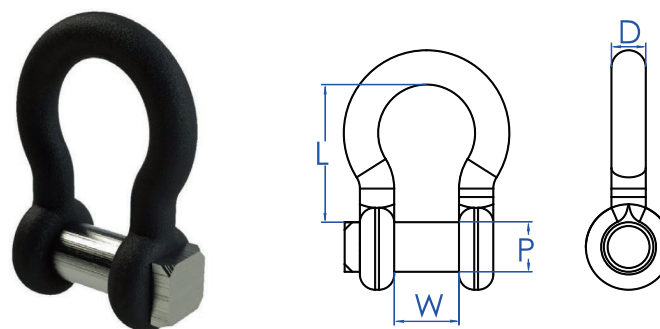
Square head shackle

• D shackle



Code	D	Dimensions(mm)			W.L.L. (ton)	Weight (kg)
SH D22	22	25	45	77	2.00	1.4
SH D25	25	28	45	91	3.00	2.0
SH D28	28	32	45	94	5.00	2.6
SH D32	32	35	50	100	6.50	3.7
SH D35	35	38	50	111	8.50	5.0
SH D38	38	41	57	115	10.00	5.9
SH D41	41	45	60	130	13.50	7.2
SH D45	45	48	66	138	18.00	10.2
SH D50	50	55	75	170	25.00	16.5

• B shackle



Code	D	Dimensions(mm)			W.L.L. (ton)	Weight (kg)
SH B22	22	25	45	77	2.00	1.4
SH B25	25	28	45	91	3.00	2.0
SH B28	28	32	45	94	5.00	2.6
SH B32	32	35	50	105	6.50	3.7
SH B35	35	38	50	130	8.50	5.0
SH B38	38	41	57	150	10.00	5.9
SH B41	41	45	60	156	13.50	7.2
SH B45	45	48	66	172	18.00	10.2
SH B50	50	55	75	195	25.00	16.5

* Special order size : 9mm~19mm
*W.L.L. : Working Load Limit



Shackle

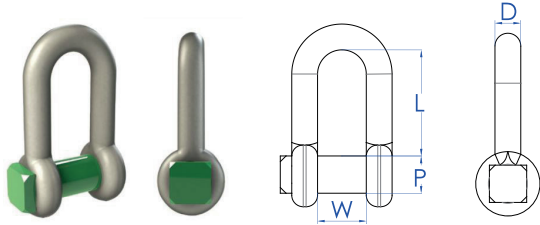


VAN BEEST



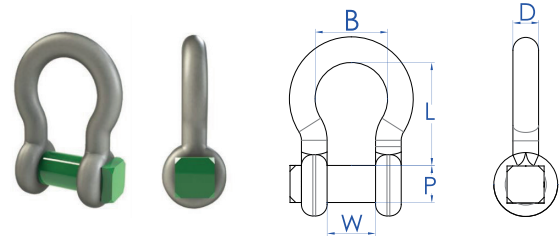
Green pin shackle

• Straight type



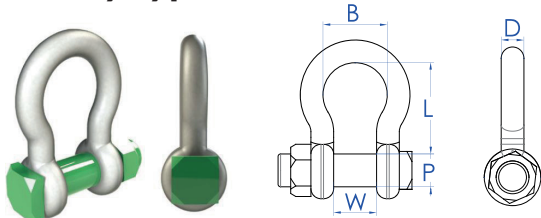
45Code	W.L.L. (ton)	Dimensions(mm)				Weight (kg)
		D	P	W	L	
F12DGPSQ	2.00	13	16	22	43	0.34
F16DGPSQ	3.25	16	19	26	51	0.63
F19DGPSQ	4.75	19	22	31	59	0.95
F22DGPSQ	6.50	22	25	36	73	1.55
F25DGPSQ	8.50	25	28	43	85	2.30
F28DGPSQ	9.50	28	32	47	90	3.24
F32DGPSQ	12.00	32	35	51	94	4.40
F35DGPSQ	13.50	32	38	57	115	6.00
F38DGPSQ	17.00	38	42	60	127	7.50
F45DGPSQ	25.00	45	50	74	149	14.00

• Bow type



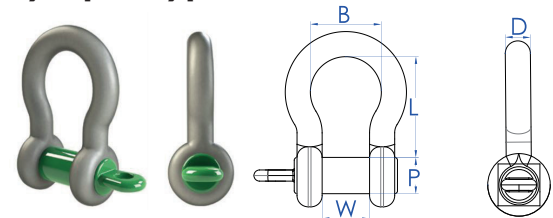
Code	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
		D	P	W	L	B	
F12HGPSQ	2.00	13	16	22	51	32	0.34
F16HGPSQ	3.25	16	19	26	64	43	0.63
F19HGPSQ	4.75	19	22	31	76	51	0.95
F22HGPSQ	6.50	22	25	36	83	58	1.55
F25HGPSQ	8.50	25	28	43	95	68	2.30
F28HGPSQ	9.50	28	32	47	108	75	3.24
F32HGPSQ	12.00	32	35	51	115	83	4.40
F35HGPSQ	13.50	32	38	57	133	92	6.00
F38HGPSQ	17.00	38	42	60	146	99	7.50
F45HGPSQ	25.00	45	50	74	178	126	14.00

• Safety type



Code	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
		D	P	W	L	B	
F06HGPS	0.50	7	8	12	28	20	0.06
F08HGPS	0.75	8	10	13	31	21	0.10
F10HGPS	1.00	10	11	16	36	26	0.17
F11HGPS	1.50	11	13	18	43	29	0.24
F12HGPS	2.00	13	16	22	51	32	0.34
F16HGPS	3.25	16	19	26	64	43	0.63
F19HGPS	4.75	19	22	31	76	51	0.95
F22HGPS	6.50	22	25	36	83	58	1.55
F25HGPS	8.50	25	28	43	95	68	2.30
F28HGPS	9.50	28	32	47	108	75	3.24
F32HGPS	12.00	32	35	51	115	83	4.40
F35HGPS	13.50	35	38	57	133	92	6.00
F38HGPS	17.00	38	42	60	146	99	7.50
F45HGPS	25.00	45	50	74	178	126	14.00
F50HGPS	35.00	50	57	83	197	146	18.29
F57HGPS	42.50	57	65	95	222	160	26.06
F65HGPS	55.00	65	70	105	254	185	42.00
F75HGPS	85.00	75	83	127	330	190	69.00

• Eye-pin type



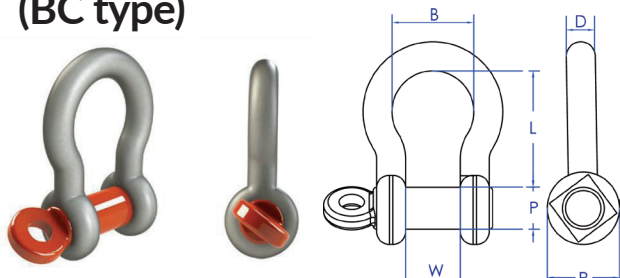
Code	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
		D	P	W	L	B	
F06HGPE	0.50	7	8	12	29	20	0.06
F08HGPE	0.75	9	10	13	32	21	0.11
F10HGPE	1.00	10	11	17	36	26	0.15
F11HGPE	1.50	11	13	19	43	29	0.21
F12HGPE	2.00	13	16	22	51	32	0.37
F16HGPE	3.25	16	19	27	64	43	0.65
F19HGPE	4.75	19	22	31	76	51	1.06
F22HGPE	6.50	22	25	36	83	58	1.56
F25HGPE	8.50	25	28	43	95	68	2.32
F28HGPE	9.50	28	32	47	108	75	3.28
F32HGPE	12.00	32	35	51	115	83	4.51
F35HGPE	13.50	35	38	57	133	92	5.93
F38HGPE	17.00	38	42	60	146	99	7.89
F45HGPE	25.00	45	50	74	178	126	13.40
F50HGPE	35.00	50	57	83	197	146	18.85
F57HGPE	42.50	57	65	95	222	160	26.06
F65HGPE	55.00	65	70	105	260	185	37.86
F75HGPE	85.00	75	80	127	330	190	58.68

*W.L.L. : Working Load Limit

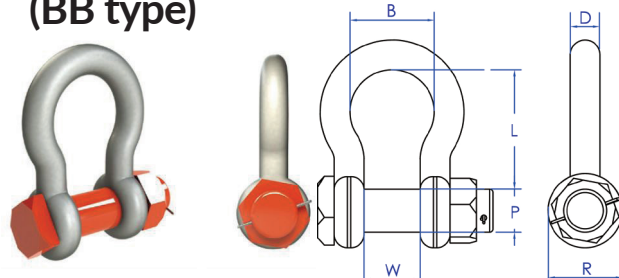


Orange/Red pin anchor shackle

• Screw pin anchor shackle (BC type)



• Bolt type anchor shackle (BB type)

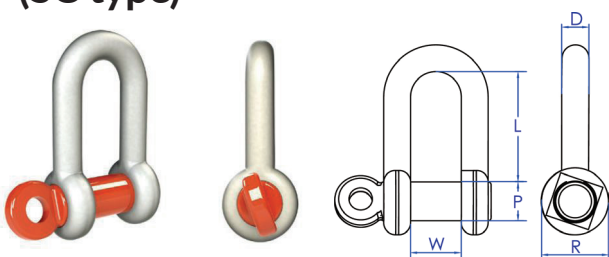


Code	W.L.L.(ton)	Dimensions(mm)						Weight(kg)
		B	D	L	P	R	W	
OPSHB□ 08	0.75	20	8	32	10	20	13.5	0.1
OPSHB□ 10	1	24	10	36	12	24	17	0.1
OPSHB□ 13	2	34	13	48	16	30	21	0.3
OPSHB□ 16	3.25	43	16	60	19	40	27	0.6
OPSHB□ 19	4.75	51	19	73	22	48	32	1.0
OPSHB□ 22	6.5	58	22	85	25	54	37	1.5
OPSHB□ 25	8.5	68	25	95	28	58	43	2.2
OPSHB□ 28	9.5	74	28	109	32	67	46	3.2
OPSHB□ 32	12	83	32	119	35	76	51	4.3
OPSHB□ 35	13.5	92	35	134	38	84	57	5.9
OPSHB□ 38	17	98	38	146	42	92	60	7.7
OPSHB□ 44	25	127	45	177	50	109	73	14.2
OPSHB□ 50	35	146	51	197	58	127	83	20.3

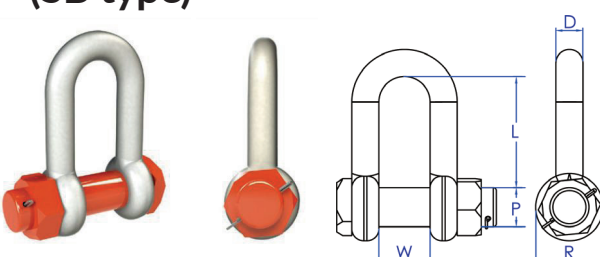
□ BC type □ BB type

Orange/Red pin chain shackle

• Screw pin chain shackle (SC type)



• Bolt type chain shackle (SB type)



Code	W.L.L.(ton)	Dimensions(mm)					Weight(kg)
		D	L	P	R	W	
OPSHS□ 13	2	13	42	16	30	21	0.3
OPSHS□ 16	3.25	16	51	19	40	27	0.5
OPSHS□ 19	4.75	19	60	22	48	32	0.9
OPSHS□ 22	6.5	22	71	25	54	37	1.4
OPSHS□ 25	8.5	25	82	28	60	43	2.0
OPSHS□ 28	9.5	28	92	32	67	46	2.8
OPSHS□ 32	12	32	99	35	76	51	3.9
OPSHS□ 38	17	38	121	42	92	60	7.0
OPSHS□ 44	25	45	146	50	109	73	12.5
OPSHS□ 50	35	51	162	58	127	83	17.8

□ SC type □ SB type

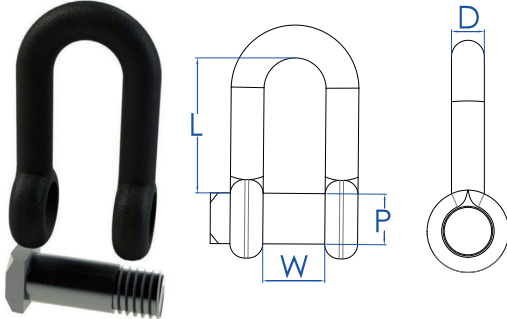
*W.L.L. : Working Load Limit



Shackle



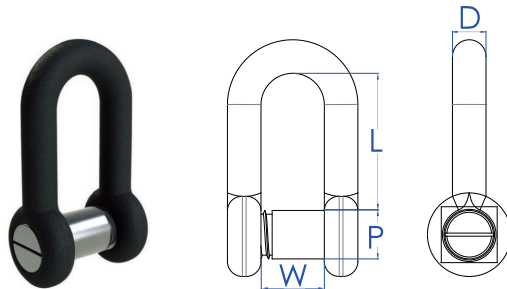
Attaching shackle : T shackle



Code	Dimensions(mm)				W.L.L. (ton)	Weight (kg)
	D	P	W	L		
SH T22	22	25	40	77	2.0	1.4
SH T25	25	28	45	91	3.0	2.0
SH T28	28	32	45	94	5.0	2.6
SH T32	32	35	50	100	6.5	3.7
SH T35	35	38	50	111	8.5	5.0
SH T38	38	41	57	115	10.0	5.9
SH T41	41	45	60	130	13.5	7.2
SH T45	45	48	66	138	18.0	10.2

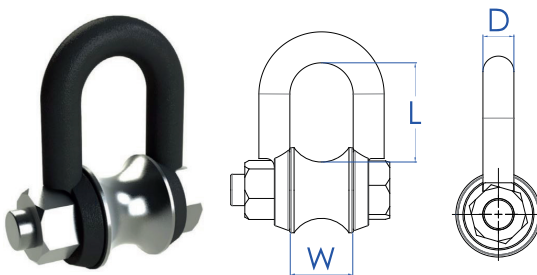
* Attaching shackle is easy to separate the body with pin

Endless shackle



Code	Dimensions(mm)				W.L.L. (ton)	Weight (kg)
	D	P	W	L		
SH EL19	19	22	36	69	1.5	0.9
SH EL22	22	25	40	77	2.0	1.4
SH EL25	25	28	45	91	3.0	2.0
SH EL28	28	32	45	94	5.0	2.6
SH EL32	32	35	50	100	6.5	3.7

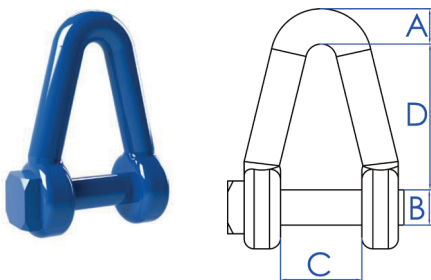
Roller shackle



Code	Dimensions(mm)			W.L.L. (ton)	Weight (kg)
	D	W	L		
SH R22	22	45	67	2.0	2.5
SH R25	25	50	79	3.5	3.2
SH R28	28	55	83	5.0	4.1
SH R32	32	60	88	6.5	6.0
SH R35	35	65	97	8.5	7.2
SH R38	38	70	99	10.0	9.0



V shackle



Code	Dimensions(mm)				W.L.L. (ton)	Weight (kg)
	A	B	C	D		
F32VB	32	32	76	110	9.0	3.8

*W.L.L. : Working Load Limit

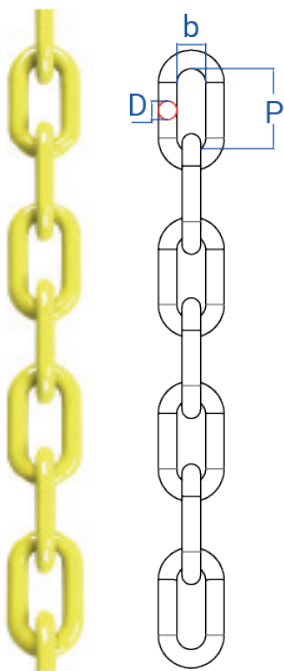


CHAIN



Fishing chain

• Grade 80



Short link chain

Code	D (mm)	Min.Breaking Load(Ton)	Dimensions(mm)		Weight (kg/m)
			Pitch(P)	Width(b)	
FCG80SL10	10	12.6	30	14.6	2.2
FCG80SL13	13	21.4	39	18.4	3.7
FCG80SL16	16	32.2	48	22.6	5.8
FCG80SL19	19	45.4	57	26.0	8.0
FCG80SL22	22	61.0	66	30.0	11.0

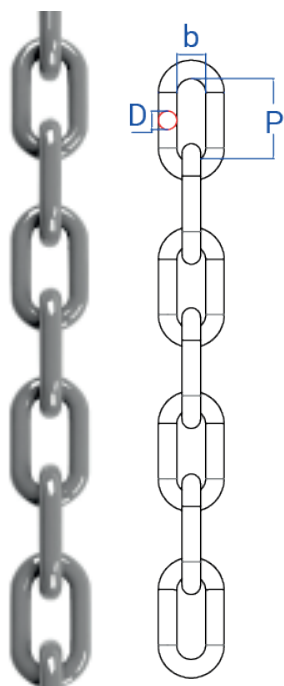
Mid link chain

Code	D (mm)	Min.Breaking Load(Ton)	Dimensions(mm)		Weight (kg/m)
			Pitch(P)	Width(b)	
FCG80ML10	10	12.6	40	14	2.0
FCG80ML13	13	21.4	55	20.0	3.3
FCG80ML16	16	32.2	65	22.0	5.0
FCG80ML19	19	45.4	75	29.0	7.1
FCG80ML22	22	61.0	88	30.0	9.4

Long link chain

Code	D (mm)	Min.Breaking Load(Ton)	Dimensions(mm)		Weight (kg/m)
			Pitch(P)	Width(b)	
FCG80LL09	9	10.2	53	15.0	1.4
FCG80LL11	11	15.4	64	18.0	2.1
FCG80LL13	13	21.4	80	22.0	2.9
FCG80LL16S	16S	32.2	88	27.0	4.6
FCG80LL16L	16L	32.2	100	26.0	4.4
FCG80LL19	19	45.4	100	28.0	6.4
FCG80LL22	22	61.0	120	32.0	8.3

• Grade 95



Short link chain

Code	D (mm)	Min.Breaking Load(Ton)	Dimensions(mm)		Weight (kg/m)
			Pitch(P)	Width(b)	
FCG95SL07	7	7.7	21	10.0	1.05
FCG95SL10	10	15.5	30	14.0	2.20
FCG95SL13	13	26.5	39	18.1	3.61
FCG95SL16	16	41.0	48	22.4	5.41
FCG95SL19	19	57.0	57	27.8	7.81
FCG95SL20	20	60.0	60	29.0	8.52

Mid link chain

Code	D (mm)	Min.Breaking Load(Ton)	Dimensions(mm)		Weight (kg/m)
			Pitch(P)	Width(b)	
FCG95ML10	10	15.5	40	15.6	1.85
FCG95ML13	13	26.5	52	19.5	3.21
FCG95ML16	16	41.0	64	24.0	4.86
FCG95ML19	19	57.0	76	28.8	6.92
FCG95ML22	22	85.0	86	27.0	9.24
FCG95ML26	26	100.0	92	31.0	13.65

Long link chain

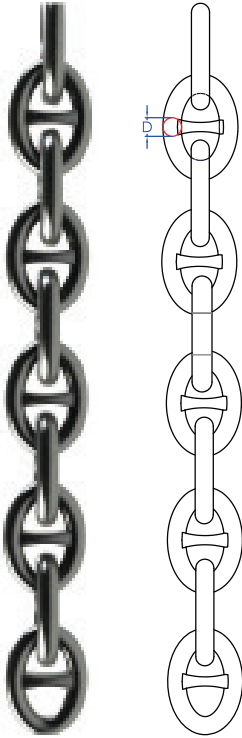
Code	D (mm)	Min.Breaking Load(Ton)	Dimensions(mm)		Weight (kg/m)
			Pitch(P)	Width(b)	
FCG95LL09	9	12.5	53	15	1.36
FCG95LL11	11	18.5	63	18	2.03
FCG95LL13	13	26.5	80	22	2.83
FCG95LL16	16	40.0	100	26	4.34
FCG95LL19	19	57.0	100	27	6.31
FCG95LL22	22	75.0	120	37	8.74



Chain

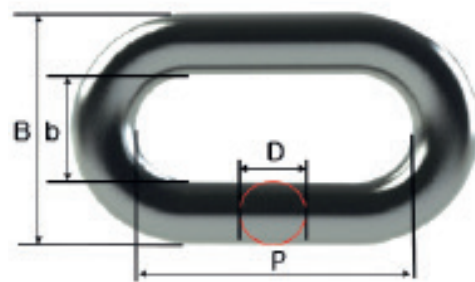


Anchor chain



D (mm)	Length (mm)	Width (mm)	Weight(kg)	
			/1m	/27.5m
22	132	79	10.60	291
26	156	94	14.80	407
30	180	108	19.71	542
34	204	122	25.32	696
38	228	137	31.62	870
42	252	151	38.63	1,062
46	276	166	46.34	1,274
50	300	180	54.75	1,506
54	324	194	63.90	1,756
58	348	209	73.70	2,026
62	372	223	84.20	2,315
66	396	238	95.40	2,623
70	420	252	107.30	2,951
73	438	263	116.70	3,209
76	456	274	126.50	3,479
78	468	281	133.20	3,664
81	486	292	143.70	3,951

Towing chain (Grade 80)

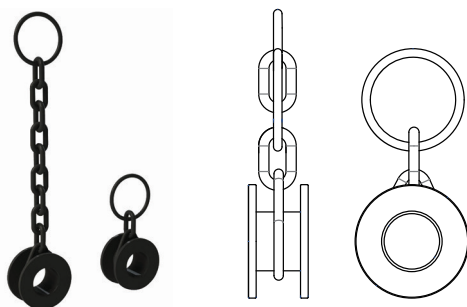


Dia.	Breaking load (ton)	Dimensions(mm)			Weight (kg/m)
		P	b	B	
25	72	100	40	90	13.0
28	81	112	45	101	15.6
32	96	128	51	115	20.4
36	112	146	57	129	27.4
38	132	152	60	136	28.7
42	163	168	67	151	35.3



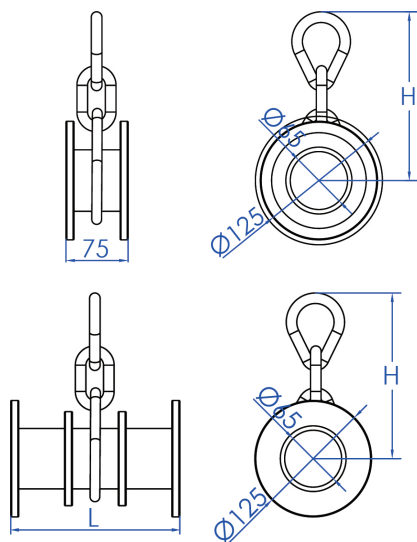
Chain toggles

• K type(Pipe type)



Code	Size (mm)	Length(m)	Weight/ A(kg)	Weight/W(kg)
CT-AK-1	9 X 1L	195	0.80	0.65
CT-BK-1	11 X 1L	220	1.00	0.88
CT-AK-3	9 X 3L	250	1.02	0.89
CT-BK-3	11 X 3L	285	1.18	1.04
CT-CK-3	13 X 3L	310	1.20	1.04
CT-BK-5	11 X 5L	355	1.37	1.20
CT-CK-5	13 X 5L	365	1.80	1.56
CT-BK-7	11 X 7L	460	1.62	1.40
CT-CK-7	13 X 7L	480	1.97	1.71

• A type, B type (Weight type)



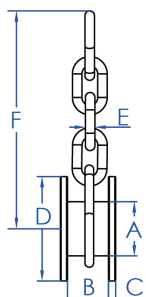
A type

Code	H(mm)	Weight(kg)
CT-WA1-75	342	4.20
CT-WA2-75	269	4.07

B type

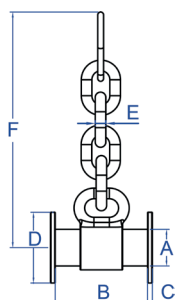
Code	H (mm)	L(mm)	Weight(kg)
CT-WB1-200	300	200	9.70
CT-WB2-200	266	200	9.57
CT-WB1-300	340	300	11.90
CT-WB2-300	266	300	11.19

• H type



Code	Dimensions(mm)						Weight (kg)	For chain Dia.(mm)
	A	B	C	D	E	F		
E-340 H-5	40	50	8	80	10	300	1.40	10
E-350 H-5	50	50	8	120	10	320	2.55	13
E-365 H-5	65	50	10	120	12	320	3.30	16
E-372 H-5	72	50	10	150	12	390	4.00	19

• L type



Code	Dimensions(mm)						Weight (kg)	For chain Dia.(mm)
	A	B	C	D	E	F		
E-340 L-5	40	200	4	70	8	240	1.50	10
E-350 L-5	50	200	5	83	10	310	2.90	13



**HOOK/
LINK/RING**

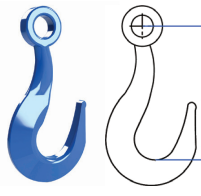


O.B Stopper hook



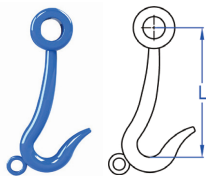
Code	W.L.L. (ton)	B.T.L. (ton)	L (mm)	Weight (kg)
OSH03	3	8.3	220	3.0
OSH05	5	17.5	270	5.5
OSH07	7	21.0	300	8.0
OSH10	10	30.0	320	10.2
OSH15	15	35.0	350	17.0

Dog hook



Code	W.L.L. (ton)	B.T.L. (ton)	L (mm)	Weight (kg)
DH01	1	3.5	150	1.5
DH02	2	5.5	180	3.0
DH03	3	7.1	210	3.5
DH05	5	11.5	280	7.5
DH07	7	16.4	320	13.0
DH10	10	22.9	350	18.0
DH15	15	32.2	410	33.0

Net draw-out hook



Code	W.L.L. (ton)	B.T.L. (ton)	L (mm)	Weight (kg)
NDOH05	0.5	2.0	140	0.3
NDOH20	2.0	5.7	210	3.4
NDOH30	3.0	8.3	210	3.4
NDOH50	5.0	13.2	255	5.0

Net draw-in hook



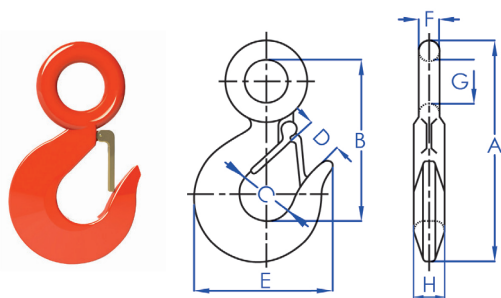
Code	W.L.L. (ton)	B.T.L. (ton)	L (mm)	Weight (kg)
NDIH03	3	9.2	100	4.2
NDIH05	5	15.0	180	10.0
NDIH07	7	21.0	200	14.8
NDIH10	10	24.4	230	17.5

G-hook



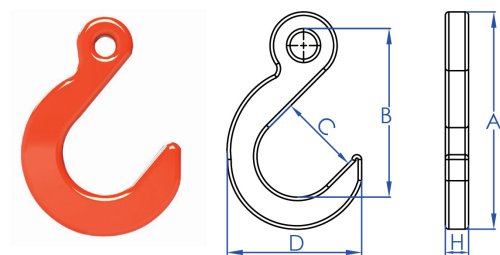
Code	Size (mm)	L (mm)	W.L.L. (ton)	Weight (kg)	Code	Size (mm)	L (mm)	W.L.L. (ton)	Weight (kg)
GH25	25	117	6.0	3.3	GH35	35	140	10.0	6.2
GH28	28	130	7.5	4.3	GH38	38	150	12.5	8.7
GH32	32	140	10.0	6.2	GH41	41	150	12.5	8.7

Hoist eye hook



Code	W.L.L. (ton)	Dimensions(mm)								Weight (kg)
DHEH08	0.75	A	B	C	D	E	F	G	H	0.3
DHEH10	1.0	128	93	33	23	83	11	22	17	0.4
DHEH15	1.5	144	104	36	26	93	12	28	20	0.7
DHEH20	2.0	166	117	37	26	99	15	31	23	0.9
DHEH30	3.2	207	147	48	30	125	18	40	32	1.9
DHEH50	5.0	259	187	60	41	161	23	50	35	3.7
DHEH75	7.5	316	230	76	54	202	28.5	62	43	5.8

Eye foundry hook



Code	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
DEFH54	5.4	A	B	C	D	H	3.5
DEFH82	8.2	235	173	86	170	20	5.3

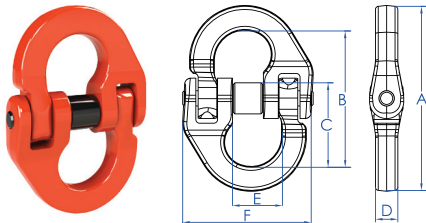
*W.L.L. : Working Load Limit
*B.T.L. : Breaking Testing Load



Hook/Link/Ring

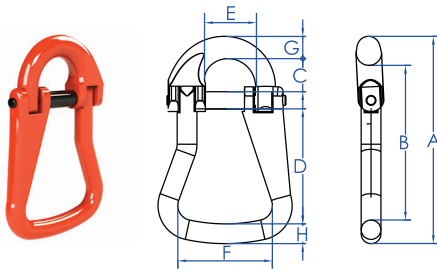


Coupling, type CP (made in Korea)



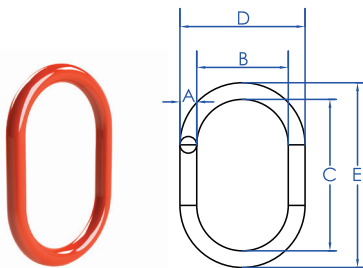
Code	Size (mm)	W.L.L. (ton)	Dimensions(mm)						Weight (kg)
			A	B	C	D	E	F	
CP 06	6	1.6	65	49	20	8	15	50	0.1
CP 08	8	2.0	73	55	24	9	17	58	0.2
CP 10	10	3.2	88	63	26	12.5	20	68	0.3
CP 13	13	5.4	116	84	30	16	28	86	0.7
CP 16	16	8.2	146	108	42	19	34	106	1.3
CP 19	19	12.8	168	124	47	22	42	121	1.9
CP 22	22	15.5	195	145	56	25	47	137	3.2
CP 25	25	21.6	213	152	58	31	55	159	4.5

Coupling, type BCP (made in Korea)



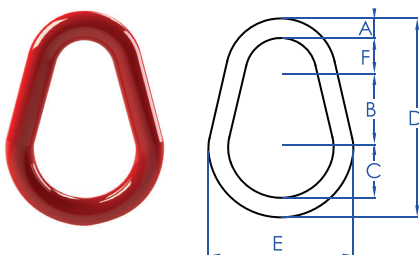
Code	Size (mm)	W.L.L. (ton)	Dimensions(mm)								Weight (kg)
			A	B	C	D	E	F	G	H	
BCP 19	19	12.8	240	183	51	106	44	90	22	35	3.3
BCP 22	22	15.5	255	192	61	105	45	90	25	38	3.8
BCP 25	25	21.7	297	221	64	129	55	107	31	45	6.3

Master link, type ML (made in Korea)



Code	Size (mm)	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
			A	B	C	D	E	
ML 16	16	4	16	76	108	152	184	0.7
ML 19	19	5.6	19	70	108	140	178	0.9
ML 25	25	11	25	90	140	178	228	2.1
ML 32	32	16.4	32	111	175	222	286	4.2

Weldless sling link

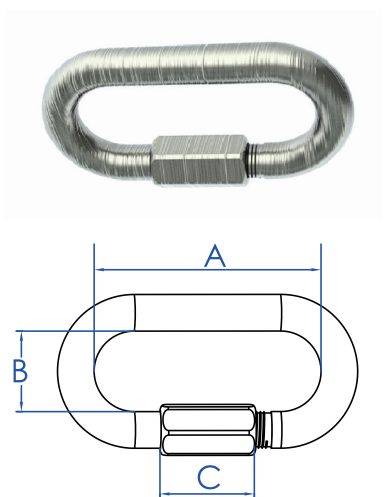


Code	Size (mm)	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
			A	B	C	D	E	
WSL13	13	1.32	13	38	25	100	76	0.3
WSL16	16	1.91	16	48	32	127	95	0.5
WSL19	19	2.72	19	57	38	152	114	0.9
WSL22	22	3.76	22	67	45	178	133	1.3
WSL25	25	4.90	25	76	50	203	152	2.0
WSL32	32	7.60	32	100	63	260	190	3.5
WSL35	35	9.30	35	105	70	280	210	5.1

*W.L.L. : Working Load Limit

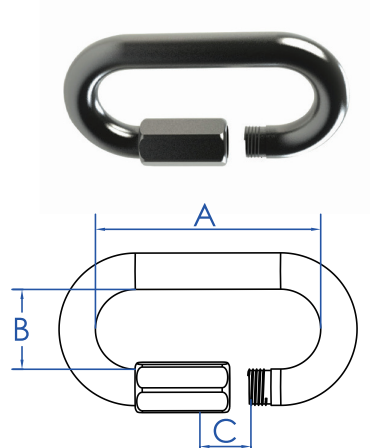


Quick link (Galvanized)



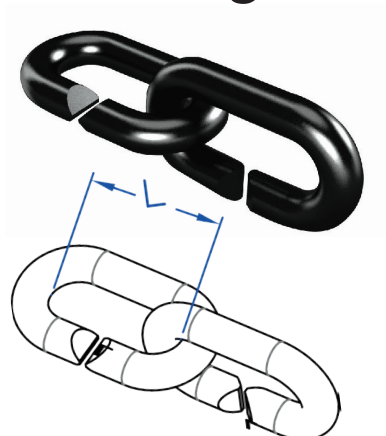
Code	W.L.L. (ton)	Dimensions(mm)			Weight (kg)
		A	B	C	
DQ 04 GAO	0.18	31	11	5.5	0.012
DQ 05 GAO	0.28	39	13	6.5	0.021
DQ 06 GAOK	0.40	45	14	8.0	0.035
DQ 06 GAOL	0.35	59	14	15.0	0.042
DQ 08 GAOK	0.70	58	17	13.0	0.077
DQ 08 GAOL	0.65	72	17	18.0	0.093
DQ 10 GAO	1.00	85	20	20.0	0.160
DQ 12 GAO	1.25	100	23	23.0	0.270
DQ 14 GAO	2.00	115	27	27.0	0.420
DQ 16 GAO	2.50	129	30	30.0	0.625
DQ 18 GAO	3.00	143	33	33.0	0.880
DQ 20 GAO	3.60	159	36	37.0	1.222

Quick link (Stainless steel)



Code	W.L.L. (ton)	Dimensions(mm)			Weight (kg)
		A	B	C	
DQ 04 SSO	0.28	31	11	5.0	0.012
DQ 05 SSO	0.45	39	13	6.5	0.021
DQ 06 SSOK	0.65	45	14	7.5	0.035
DQ 06 SSOL	0.58	59	14	15.0	0.042
DQ 08 SSOK	1.10	58	17	10.0	0.077
DQ 08 SSOL	0.98	72	17	18.0	0.093
DQ 10 SSO	1.60	85	20	20.0	0.160
DQ 12 SSO	2.20	100	23	23.0	0.270
DQ 14 SSO	3.10	115	27	27.0	0.420
DQ 16 SSO	4.00	150	38	28.0	0.750
DQ 19 SSO	5.50	175	43	32.0	1.200
DQ 20 SSO	7.00	210	60	36.0	1.900

Puzzle ring



Code	Size (mm)	W.L.L. (ton)	B.T.L. (ton)	L (mm)	Weight (kg)
PR22	22	0.5	1.9	80	1.8
PR25	25	1.0	2.5	90	2.3
PR28	28	2.0	5.0	100	3.2
PR32	32	3.0	7.5	110	4.7
PR35	35	4.0	10.0	120	6.0
PR38	38	5.0	12.5	120	7.2

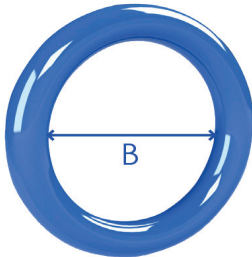
*W.L.L. : Working Load Limit
*B.T.L. : Breaking Testing Load



Hook/Link/Ring

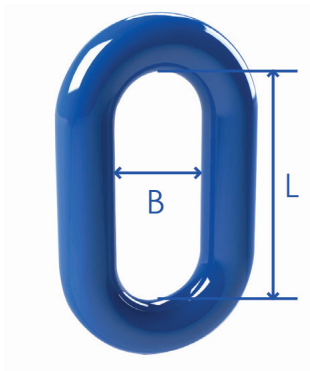


Center ring



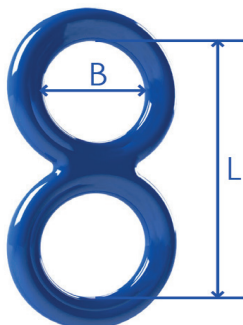
Code	Size (mm)	W.L.L. (ton)	B.T.L. (ton)	B (mm)	Weight (kg)
PCR22	22	2.0	5.0	100	1.0
PCR25	25	3.0	6.6	120	1.8
PCR28	28	5.0	8.3	120	2.3
PCR32	32	6.5	10.0	150	2.7
PCR35	35	8.5	12.8	200	3.6

End ring



Code	Size (mm)	W.L.L. (ton)	B (mm)	L (mm)	Weight (kg)
PER22	22	2.0	45	95	1.0
PER25	25	3.0	45	100	1.3
PER28	28	5.0	50	115	2.2
PER32	32	6.5	50	130	2.7
PER35	35	8.5	60	140	3.6
PER38	38	10.0	62	150	4.5
PER41	41	13.5	62	170	5.9
PER45	45	15.0	65	180	7.3

8 type ring



Code	Size (mm)	W.L.L. (ton)	B (mm)	L (mm)	Weight (kg)
P8TR25	25	3.0	60	150	2.0
P8TR28	28	5.0	85	210	3.6
P8TR32	32	6.5	85	210	4.2
P8TR35	35	8.5	85	210	5.8
P8TR38	38	11.0	85	230	7.6
P8TR41	41	13.5	85	230	9.4
P8TR45	45	15.0	85	230	11.0

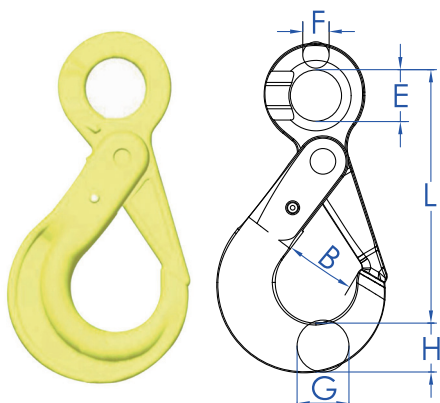
*B: Inside Breadth / L: Inside Length

*W.L.L. : Working Load Limit

*B.T.L. : Breaking Testing Load



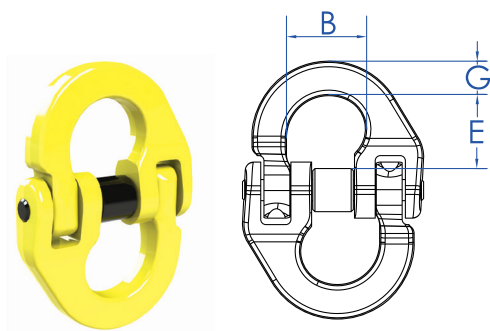
Safety hook, type BK



Code	W.L.L. (ton)	Dimensions(mm)						Weight (kg)
		L	B	E	F	G	H	
BK-6-10	1.5	109	29	22	10	15	21	0.5
BK-7/8-10	2.5	138	37	28	11	17	26	0.8
BK-10-10	4.0	168	45	34	13	21	31	1.5
BK-13-10	6.7	207	55	44	16	30	40	2.7
BK-16-10	10.0	254	62	56	20	37	50	5.7
BK-18/20-10	16.0	289	68	60	22	44	65	9.2
BK-22-10	20.0	320	80	70	24	50	62	11.4
BK-26-10	27.0	342	100	80	25	54	68	16.1
BK-32-8	32.8	400	120	90	30	62	86	23.8



Coupling link, type G



Code	W.L.L. (ton)	Dimensions(mm)			Weight (kg)
		B	G	E	
G-6-8	1.12	15	7	17	0.1
G-7/8-8	2.00	18	8	22	0.2
G-10-8	3.20	25	12	26	0.3
G-13-8	5.40	29	15	33	0.7
G-16-8	8.00	36	19	40	1.1
G-18/20-8	12.50	43	22	48	1.8
G-22-8	15.50	49	24	59	3.0
G-26-8	21.60	58	29	61	4.6
G-32-8	32.00	70	36	78	8.6



Spare kit for coupling link, type G



Code	Weight(kg)
SKA-6-8	0.01
SKA-7/8-8	0.02
SKA-10-8	0.10
SKA-13-8	0.15
SKA-16-8	0.20
SKA-18/20-8	0.25
SKA-22-8	0.35
SKA-26-8	0.55
SKA-32-8	0.80

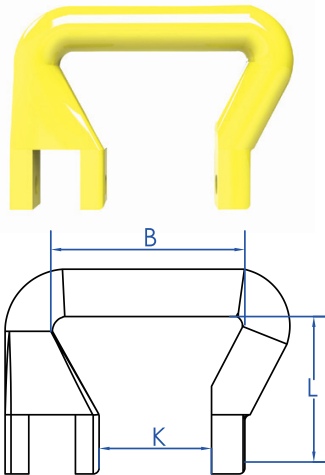
*W.L.L. : Working Load Limit



Hook/Link/Ring



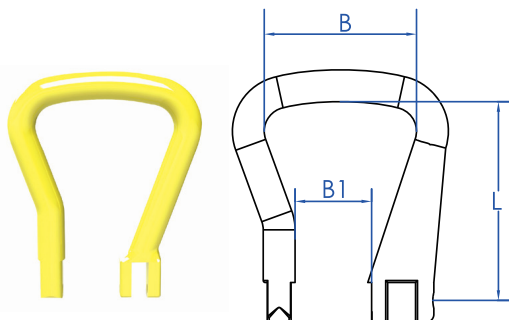
Roundsling coupling, type SKR



Code	W.L.L. (ton)	Dimensions(mm)			Weight (kg)
		L	B	K	
SKR-7/8-8	2.00	35	40	18	0.2
SKR-10-8	3.20	42	47	24	0.4
SKR-13-8	5.40	50	53	29	0.7
SKR-16-8	8.00	62	67	35	1.2
SKR-18/20-8	12.50	71	80	43	1.9
SKR-22-8	15.50	111	125	50	5.3
SKR-26-8	21.60	129	150	58	9.0



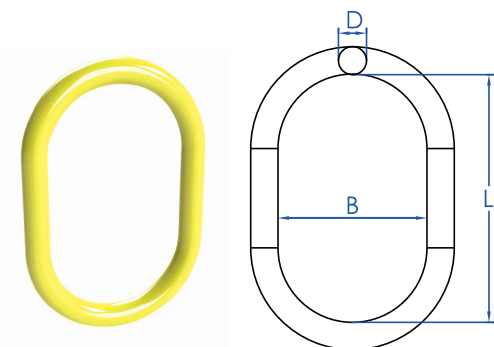
Master link (open), type SKO



Code	W.L.L. (ton)	Dimensions(mm)			Weight (kg)
		L	B	B1	
SKO-7/8-8	2.0	99	50	15	0.3
SKO-10-8	3.2	127	66	20	0.6
SKO-13-8	5.4	145	72	25	1.0
SKO-16-8	8.0	175	82	30	1.6



Master link (open), type M

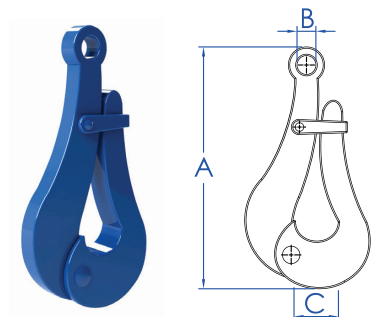


Code	W.L.L. (ton)	Dimensions(mm)			Weight (kg)
		L	B	D	
M-6-10	1.2	100	60	11	0.2
M-86-10	2.5	120	70	14	0.4
M-108-10	4.0	140	80	17	0.8
M-13-10	5.4	150	90	19	1.0
M-1310-10	7.5	160	95	22	1.5
M-1613-10	10.0	190	110	28	2.8
M-19-10	12.0	200	120	30	3.5
M-2016-10	17.0	240	140	34	5.2
M-2220-10	25.0	250	150	40	7.3
M-2622-10	28.0	250	150	42	7.8
M-32-10	33.0	300	180	45	11.7

*W.L.L. : Working Load Limit



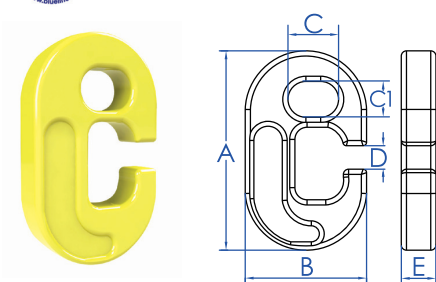
Slip hook



Code	W.L.L. (ton)	Dimensions(mm)			Weight (kg)
		A	B	C	
BS06	1.0	165	18	32	0.80
BS10	1.5	254	19	48	2.05
BS12	2.8	320	27	49	3.85
BS14	4.8	350	27	50	5.75
BS15	7.0	385	36	40	9.61
BS16	11.0	385	36	64	17.80



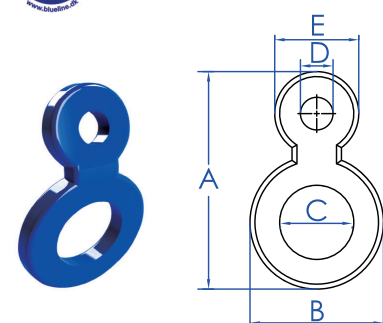
G hook



Code	W.L.L. (ton)	Dimensions(mm)						Weight (kg)
		A	B	C	C1	D	E	
EVG03	3.0	115	70	30	30	17	20	0.65
EVG05	5.0	132	82	38	38	17	26	1.20
EVG08	8.0	153	97	42	42	18	30	1.90
EVG10	10.0	180	115	40	30	18	35	3.30
EVG15	15.0	215	136	50	40	18	45	6.05
EVG20	20.0	240	155	60	50	27	50	8.40



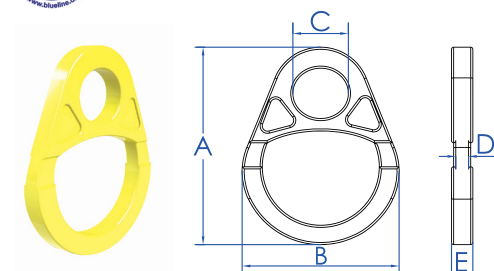
Kelly's eye, type E90



Code	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
		A	B	C	D	E	
E90-25	7.0	220	135	75	33	85	2.8
E90-30	12.0	300	200	123	43	110	6.5
E90-38	19.0	360	235	145	50	135	12.0
E90-40	19.0	310	205	123	43	120	9.8



Kelly's eye, type EVR



Code	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
		A	B	C	D	E	
EVR 15	15	185	150	52	17	25	2.2
EVR 20	20	225	185	80	25	41	5.1

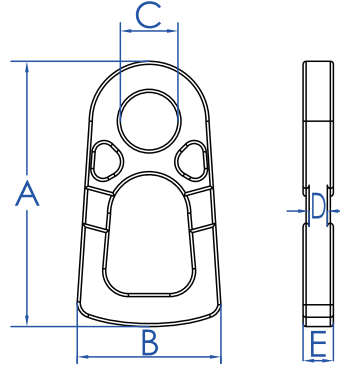
*W.L.L. : Working Load Limit



Hook/Link/Ring



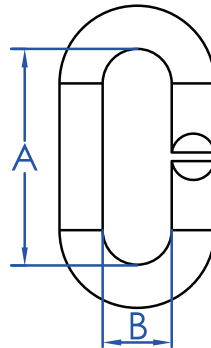
Recessed ring



Code	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
		A	B	C	D	E	
EVR 08	8	175	97	38	15	22	1.4
EVR 10	10	205	140	40	17	25	2.5



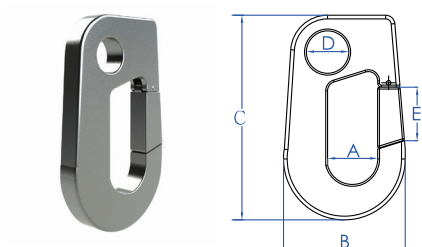
Split link



Code	W.L.L. (ton)	Dimensions(mm)		Weight (kg)	
		A	B		
DS10GA	0.1	50	16	0.085	Steel 60 galvanized
DS12GA	0.2	55	18	0.165	
DS16GA	0.3	72	21	0.330	
DS19GA	0.5	80	24	0.500	
DS22GA	0.6	88	27	0.750	
DS10SS	0.2	50	16	0.085	Stainless steel
DS12SS	0.3	55	18	0.165	
DS16SS	0.4	72	21	0.330	
DS19SS	0.5	80	24	0.500	
DS22SS	0.6	88	27	0.750	
DS14CH	0.5	60	18	0.200	Chrome steel Yellow galvanized
DS16CH	0.7	72	21	0.330	
DS19CH	1.4	80	23	0.550	
DS22CH	1.8	88	27	0.750	
DS25CH	2.2	94	35	1.100	

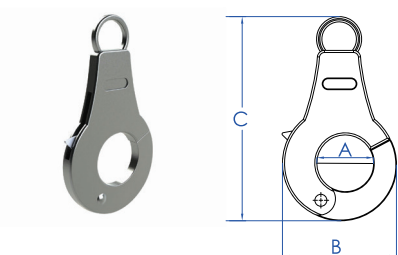
*W.L.L. : Working Load Limit

Boss hook Stainless steel



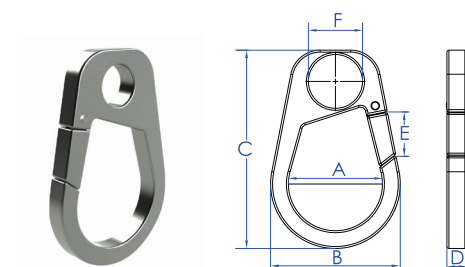
Code	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
		A	B	C	D	E	
BOSS S5S	1.00	27	66	111	23	19	0.5
BOSS S6S	1.25	38	77	132	27	25	0.6
BOSS S7S	2.25	37	90	153	27	29	1.2

Boss towing hook



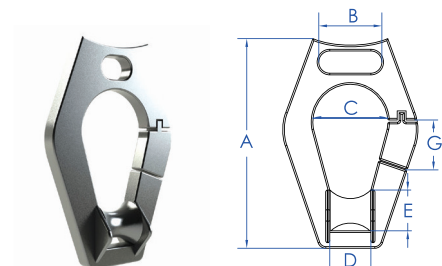
Code	W.L.L. (ton)	Dimensions(mm)			Weight (kg)
		A	B	C	
BOSS TOW 10S	1.0	80	160	283	4.0
BOSS TOW 15S	9.6	75	200	340	15.8

Boss Purse rings Stainless steel



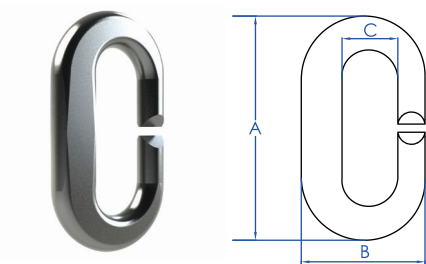
Code	W.L.L. (ton)	Dimensions(mm)						Weight (kg)
		A	B	C	D	E	F	
BOSS 220S	1.0	75	130	200	22	45	39	2.1
BOSS 230S	1.0	95	150	230	25	50	45	3.0
BOSS 240S	1.2	110	165	260	30	55	50	4.1
BOSS 250S	1.3	110	170	260	33	55	52	4.7
BOSS 260S	2.0	110	170	265	42	55	53	6.1
BOSS 285S	3.0	115	180	275	50	55	53	8.5

Boss Purse rings Stainless steel w/roller



Code	W.L.L. (ton)	Dimensions(mm)						Weight (kg)
		A	B	C	D	E	G	
BOSS 40SR	1.8	252	48	85	50	49	48	3.9
BOSS 80SR	2.8	330	48	120	66	64	75	8.4
BOSS 90SR	3.5	323	56	100	50	52	40	7.8
BOSS 100SR	2.8	365	53	122	50	52	50	8.4

Boss Split link Stainless steel



Code	W.L.L. (ton)	Dimensions(mm)			Weight (kg)
		A	B	C	
BOSS DL18S	0.2	78	45	18	0.17
BOSS DL19S	0.4	79	50	24	0.27
BOSS DL20S	0.5	82	55	24	0.30
BOSS DL21S	1.3	106	63	25	0.60
BOSS DL 22S	1.4	108	68	33	0.70

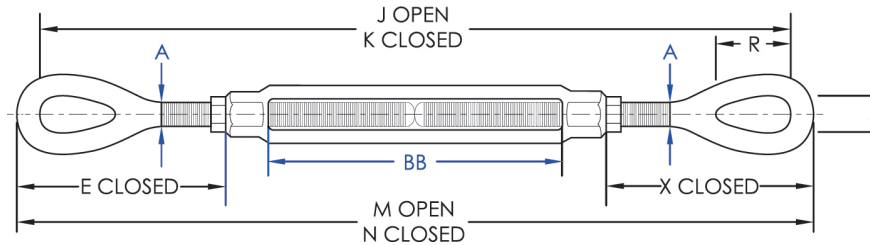
*W.L.L. : Working Load Limit



Hook/Link/Ring

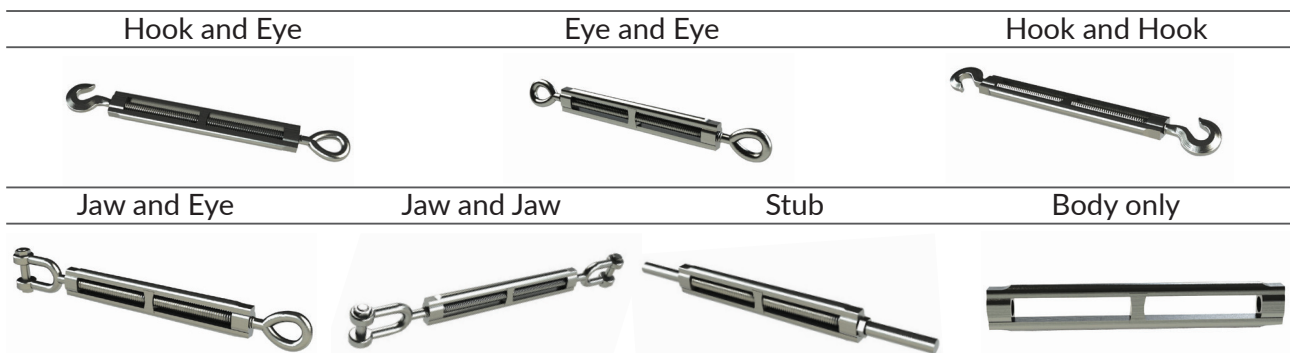


Turn buckles



Code	Size (in)	Dimensions(in)								
		A	J Open	K Closed	M Open	N Closed	R	S	X Closed	BB
TB □□ -0386	3/8 X 6	0.38	17.47	11.47	18.16	12.16	1.12	0.53	2.52	6
TB □□ -0506	1/2 X 6	0.50	20.08	13.08	20.96	13.96	1.44	0.72	3.23	6
TB □□ -0509	1/2 X 9	0.50	25.10	16.09	25.98	16.97	1.44	0.72	3.23	9
TB □□ -05012	1/2 X 12	0.50	32.08	19.08	32.96	19.96	1.44	0.72	3.23	12
TB □□ -0636	5/8 X 6	0.63	21.93	14.68	22.93	15.68	1.75	0.88	3.90	6
TB □□ -0639	5/8 X 9	0.63	26.70	17.69	27.70	18.70	1.75	0.88	3.90	9
TB □□ -06312	5/8 X 12	0.63	33.93	20.68	34.93	21.68	1.75	0.88	3.90	12
TB □□ -0756	3/4 X 6	0.75	23.88	16.38	25.12	17.62	2.09	1.00	4.69	6
TB □□ -0759	3/4 X 9	0.75	28.40	19.40	29.64	20.63	2.09	1.00	4.69	9
TB □□ -07512	3/4 X 12	0.75	35.88	22.38	37.12	23.62	2.09	1.00	4.69	12
TB □□ -07518	3/4 X 18	0.75	47.88	28.38	49.12	29.62	2.09	1.00	4.69	18
TB □□ -08812	7/8 X 12	0.88	37.07	23.32	38.57	24.82	2.38	1.25	5.10	12
TB □□ -08818	7/8 X 18	0.88	49.07	29.32	50.57	30.82	2.38	1.25	5.10	18
TB □□ -1006	1 X 6	1.00	29.97	19.97	29.72	21.72	3.00	1.44	6.36	6
TB □□ -10012	1 X 12	1.00	39.97	25.97	41.97	27.72	3.00	1.44	6.36	12
TB □□ -10018	1 X 18	1.00	51.97	31.97	53.72	33.72	3.00	1.44	6.36	18
TB □□ -10024	1 X 24	1.00	63.97	37.97	65.72	39.72	3.00	1.44	6.36	24
TB □□ -12512	1 1/4 X 12	1.25	42.81	28.31	45.06	30.56	3.56	1.81	7.72	12
TB □□ -12518	1 1/4 X 18	1.25	54.81	34.31	57.06	36.56	3.56	1.81	7.72	18
TB □□ -12524	1 1/4 X 24	1.25	66.81	40.31	69.06	42.56	2.56	1.81	7.72	24
TB □□ -15012	1 1/2 X 12	1.50	45.50	30.50	48.00	33.00	4.06	2.12	8.62	12
TB □□ -15018	1 1/2 X 18	1.50	57.50	36.50	60.00	39.00	4.06	2.12	8.62	18
TB □□ -15024	1 1/2 X 24	1.50	69.40	42.50	72.00	45.00	4.06	2.12	8.62	24
TB □□ -17518	1 3/4 X 18	1.75	57.38	39.38	60.38	42.38	4.62	2.38	10.00	18
TB □□ -17524	1 3/4 X 24	1.75	69.38	45.38	72.38	48.38	4.62	2.38	10.00	24
TB □□ -20024	2 X 24	2.00	75.69	51.69	79.19	55.19	5.75	2.69	13.09	24

Turn buckles/End Fittings



□ HOOK □ EYE □ JAW



FOOT ROPE GEAR

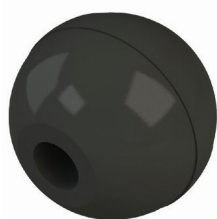


Steel ball



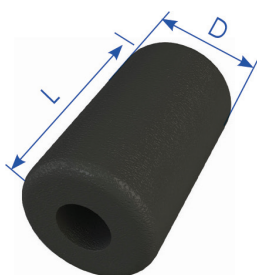
Code	Size (mm)	Weight/A (kg)	Weight/W (kg)	Hole dia. (mm)
STB30	300	20.0	6.5	65
STB35	350	35.0	12.0	75
STB44	440	60.5	15.5	75
STB53	530	85.0	24.5	75

Rubber ball



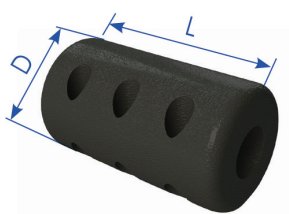
Code	Size (mm)	Weight/A (kg)	Weight/W (kg)	Hole dia. (mm)
RUB24	240	8.0	0.81	50
RUB30	300	16.4	1.40	50/70
RUB35	350	22.9	3.20	50/70
RUB44	440	48.1	4.60	75
RUB53	530	83.0	7.50	75

Rubber bobbin (RB)



Code	Size(mm) D X L	Weight/A (kg)	Weight/W (kg)	Hole dia.(mm)	
				Small	Large
RB105165	105 X 165	1.53	0.20	32	45
RB120180	120 X 180	2.35	0.31	32	56
RB140180	140 X 180	3.30	0.43	32	45
RB150180	150 X 180	3.60	0.48	35	75
RB180180	180 X 180	4.80	0.63	35	50
RB180240	180 X 240	7.00	0.91	35	50
RB200210	200 X 210	7.10	0.93	38	75

Rubber bobbin cut (RBC)



Code	Size(mm) D X L	Weight/A (kg)	Weight/W (kg)	Hole dia.(mm)	
				Small	Large
RBC105165	105 X 165	1.25	0.30	32	50
RBC120180	120 X 180	1.88	0.36	32	50
RBC140180	140 X 180	2.67	0.45	32	50
RBC150180	150 X 180	3.18	0.53	32	55
RBC180240	180 X 240	6.40	0.85	32	50

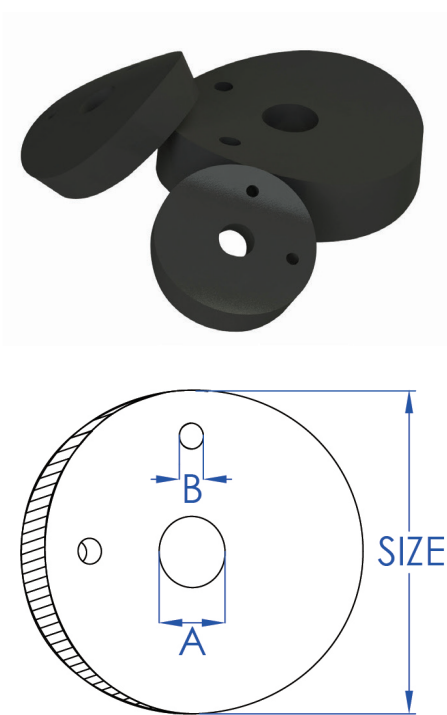
*Weight/A ➔ Weight in Air
*Weight/W ➔ Weight in Water



Foot rope gear



Rockhoppers



Code	Size (mm)	Dimensions(mm)		Weight (kg)
		A	B	
RRR 1055-45/45	250	55	45	2.5-3.5
RRR 1220-20/20	300	70	20	5.0-6.0
RRR 1250-40/40	300	50	40	4.5-5.5
RRR 1265-50/50	300	65	50	4.0-5.0
RRR 1400-00/00	350	0	0	7.0-8.0
RRR 1450-40/40	350	50	40	6.0-7.5
RRR 1465-50/50	350	65	50	5.5-7.0
RRR 1600-00/00	400	0	0	9.0-10.0
RRR1665-50/50	400	65	50	8.0-10.0
RRR 1680-75/75	400	80	75	8.0-10.0
RRR 1800-00/00	450	0	0	11.5-13.5
RRR 1865-50/50	450	65	50	13.5-15.5
RRR 1880-75/75	450	80	75	11.5-13.5
RRR 2180/15-18	530	80	75	15.0-18.0
RRR 2180/18-20	530	80	75	18.0-20.0
RRR 2180/20-23	530	80	75	20.0-23.0
RRR 2180/23-26	530	80	75	23.0-26.0
RRR 2180/25-30	530	80	75	26.0-30.0
RRR 2180/30-35	530	80	75	30.0-35.0
RRR 2180/35-40	530	80	75	35.0-40.0
RRR 2480/25-30	600	80	75	25.0-30.0
RRR 2480/30-35	600	80	75	30.0-35.0
RRR 2480/35-40	600	80	75	35.0-40.0
RRR 2480/40-50	600	80	75	40.0-50.0

Tire piece



Code	Size (mm)	Weight/A (kg)	Weight/W (kg)	Hole dia. (mm)
TIP105	105	0.11	0.01	32
TIP120	120	0.13	0.02	32
TIP135	135	0.18	0.03	35
TIP150	150	0.22	0.03	35/70
TIP180	180	0.40	0.04	35/75
TIP200	200	0.60	0.06	35/75
TIP240	240	1.10	0.10	35/75

*Weight/A ➔ Weight in Air
*Weight/W ➔ Weight in Water

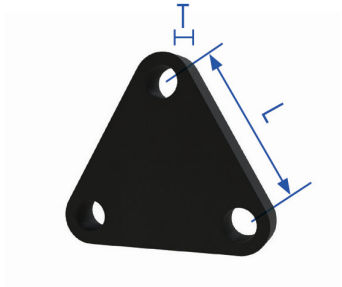
Tire dish



Code	Size (mm)	Hole size (mm)	Weight/A (kg)	Thickness (mm)
TIDI480	480	75	9.0	105.0
TIDI600	600	90	20.0	155.0
TIDI650	650	83	18.0	160.0
TIDI700	700	100	30.0	165.0



Delta plate

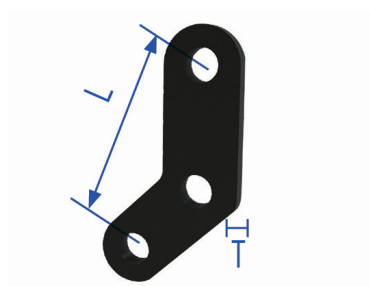


Code	Size (mm)	T (mm)	L (mm)	Weight (kg)
DEPL25150	25 X 150	25	150	5.2
DEPL25200	25 X 200	25	200	6.8
DEPL25250	25 X 250	25	250	8.8
DEPL25300	25 X 300	25	300	10.5

*T: Thickness

*L: Length between edge hole

Butterfly plate

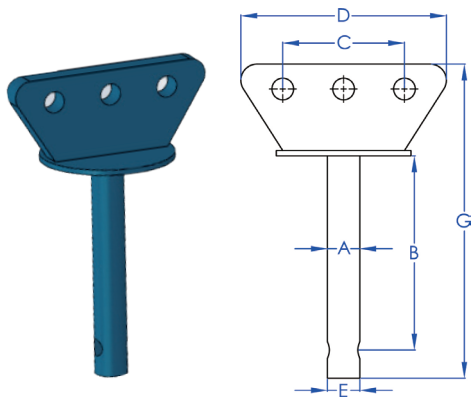


Code	Size (mm)	T (mm)	L (mm)	Weight (kg)
BUPL300	300	25	300	6.5
BUPL350	350	25	350	8.4
BUPL400	400	25	400	10.0
BUPL500	500	25	500	13.0

*T: Thickness

*L: Length between edge hole

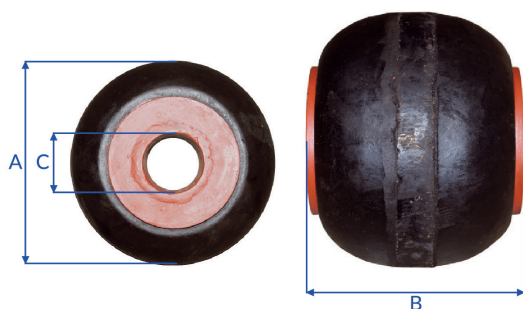
Butterflies



Code	W.L.L. (ton)	Dimensions(mm)						Weight (kg)
		A	B	C	D	E	G	
E24	4.2	38	210	140	220	27	335	4.3
E25	5.0	45	275	190	270	29	425	7.4
E26	5.0	45	275	230	310	29	425	7.8
E27	8.5	70	470	270	355	70	660	34.0
E29	8.5	70	620	270	370	70	970	40.0

*W.L.L. : Working Load Limit

Big bobbin



Code	A (mm)	B (mm)	C (mm)	Weight (kg)
FUB300	300	260	65	18-22
FUB350	350	300	65	25-30
FUB400	400	350	65	40-45
FUB450	450	400	75-130	65-72
FUB530	530	450	75-80	95-100
FUB610	610	530	80	135-150
FUB710	710	610	100	230-250
FUB810	810	710	90-100	400-420



Foot rope gear



Tires / Airplane tires



Tires / Airplane tires

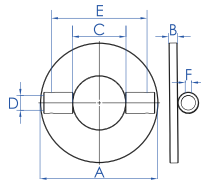
Special order

Steel Bar with Washer



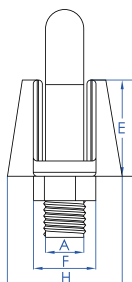
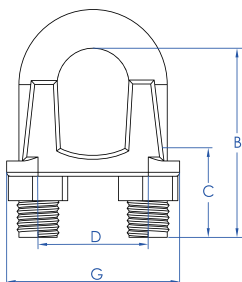
Code	Size (mm)	Weight/A (kg)	Weight/W (kg)	Hole dia. (mm)
SBW30	300	7.5	6.5	50
SBW35	350	8.1	7.1	50
SBW44	440	9.5	8.3	50
SBW53	530	13.2	11.5	55

Rockhoppers stop washer



Code	Dimensions(mm)						F/chain (mm)	Weight (kg)
	A	B	C	D	E	F		
MT16	150	12	62	15	116	6 X 26	16	1.65
MT19	180	13	72	20	136	10 X 32	19	4.10
MT22	200	13	80	20	136	10 X 32	22	4.10

Wire rope clip



Code	Rope size (mm)	Dimensions(mm)								Weight (kg)
		A	B	C	D	E	F	G	H	
WRC12	12	12	47	25	30	28	22	48	58	0.3
WRC16	16	14	60	32	33	34	24	52	63	0.5
WRC19	19	15	70	36	38	36	27	57	72	0.7
WRC22	22	19	80	42	44	40	32	62	80	1.1
WRC25	25	19	90	45	47	45	32	67	88	1.3
WRC28	28	19	100	50	50	48	32	71	91	1.4
WRC31	31	22	110	55	58	55	36	80	105	2
WRC35	35	22	118	58	60	58	36	80	106	2
WRC38	38	22	125	60	65	62	36	86	113	2.2

Iron wire clip

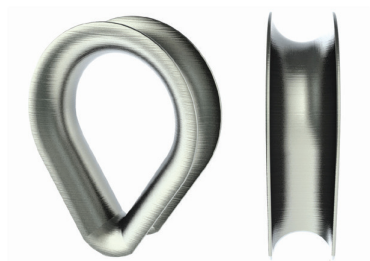


Size(mm)	Weight/A(kg)
14	0.88
16	0.88
18	1.09
20	1.53
22	1.53
24	1.53
26	1.86

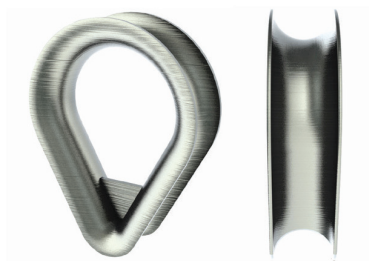


**COURSE
(THIMBLE)**

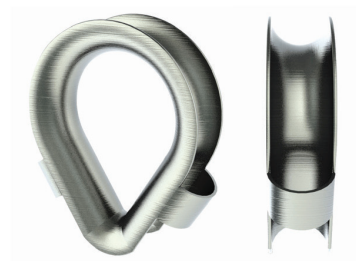
Wire course



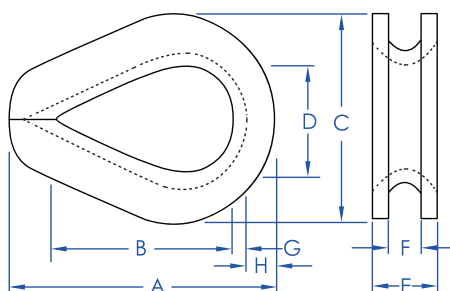
• B type



• C type



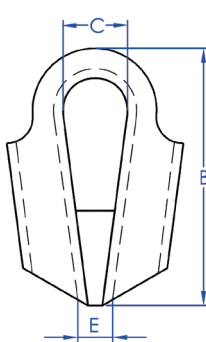
• D type



Code	Dimensions(mm)							
	A	B	C	D	E	F	G	H
WC □ 12	92	70	70	38	23	13	3.5	10.4
WC □ 16	108	82	79	45	26	16	4.0	12.7
WC □ 19	127	95	96	50	33	20	5.5	16.7
WC □ 22	140	108	108	57	37	24	5.5	19.0
WC □ 25	155	114	125	63	44	27	6.0	22.3
WC □ 28	178	130	150	73	49	33	6.0	28.7
WC □ 32	230	165	173	89	60	36	9.6	28.7
WC □ 35	228	158	181	89	70	40	12.7	28.7

□ B type □ C type □ D type

Pipe course

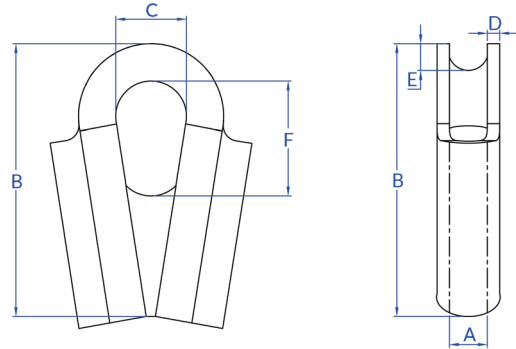


Standard	Size	Dimensions(mm)					WT / PT (Kg)	For wire max (mm)
		A	B	C	D	E		
22	20 - 21	22	140	35	6.0	15.0	0.75	18
25	22 - 24	25	180	45	6.3	16.0	1.40	22
28	25 - 27	28	180	45	7.0	16.0	1.75	24
30	28 - 29	30	195	47	7.0	18.0	2.00	26
35	30 - 34	35	215	60	7.0	22.0	2.40	32
45	35 - 44	45	260	70	7.0	22.5	3.30	38
50	45 - 50	50	272	82	6.0	24.5	4.06	45
55	51 - 55	55	300	91	6.0	35.0	5.04	50



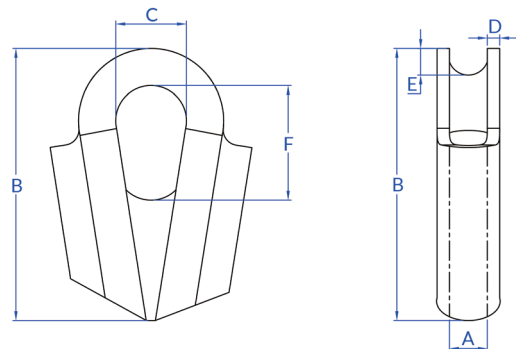
Wire Thimble

• A type



Code	Dimensions(mm)						Weight (kg)	Max.wire (mm)
	A	B	C	D	E	F		
G712K	12	84	23	4.0	8	24	0.36	10
G715K	15	95	27	5.0	10	31	0.52	12
G717K	17	100	27	5.0	10	38	0.55	14
G719K	20	112	32	5.0	12	46	0.65	16
G722K	22	125	35	5.0	15	47	0.90	18
G725K	25	150	45	6.3	16	61	1.26	22
G728K	28	157	45	7.0	16	56	1.64	24
G730K	30	170	47	7.0	18	68	2.02	25
G735K	35	190	60	7.0	22	73	2.50	32
G745K	45	228	70	7.0	27	94	3.71	38
G750K	50	255	75	7.0	35	97	4.65	42
G755K	55	268	80	7.0	31	99	4.90	48

• B type



Code	Dimensions(mm)						Weight (kg)	Max.wire (mm)
	A	B	C	D	E	F		
G215K	15	109	27	5.0	10	49	0.46	12
G217K	17	115	27	5.0	10	40	0.54	14
G219K	19	125	32	5.0	12	43	0.67	16
G222K	22	140	35	5.0	15	58	0.80	18
G225K	25	158	45	6.3	16	59	1.36	22
G228K	28	176	45	7.0	16	61	1.65	24
G230K	30	195	47	7.0	18	78	2.00	26
G235K	35	210	60	7.0	22	93	2.73	32



Wire Thimble Stainless steel

• A type



Code	Dimensions(mm)					Weight (kg)	Max.wire (mm)
	A	B	C	D	E		
G815	15	91	27	5.0	9	0.39	12
G819	19	113	31	5.0	11	0.79	16
G824	24	136	46	5.0	15	1.04	21
G827	27	142	45	5.0	15	1.29	24
G831	31	163	48	7.0	19	1.84	28
G839	39	179	60	5.5	20	1.68	35
G848	48	220	74	5.5	32	2.71	44
G860	60	260	100	8.5	38	5.75	54

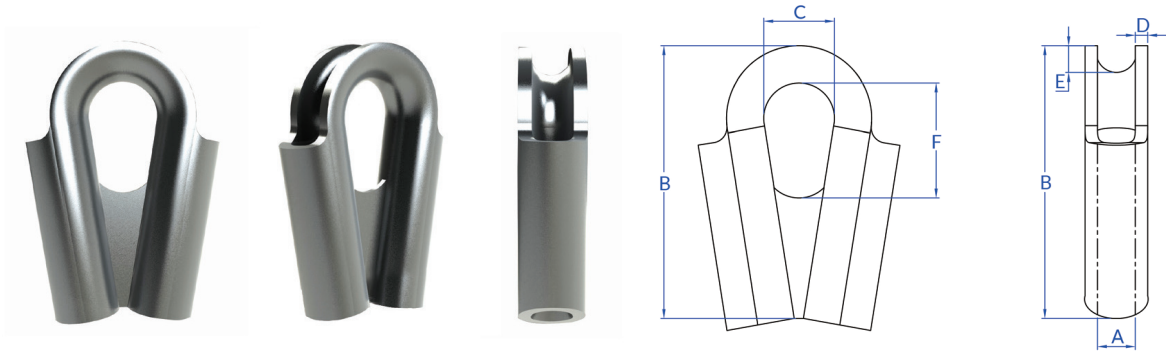
• B type



Code	Dimensions(mm)					Weight (kg)
	A	B	C	D	E	
G512	12	80	21	2.4	11	0.12
G515	15	93	23	2.8	14	0.19
G521	21	116	27	2.7	16	0.28



Wire Thimble stainless steel with gusset



Code	Dimensions(mm)						Weight (kg)	Max.wire (mm)
	A	B	C	D	E	F		
G815K	15	91	27	5.0	9	32	0.41	12
G819K	19	113	31	5.0	11	46	0.62	16
G824K	24	136	46	5.0	15	57	1.11	21
G827K	27	142	45	5.0	15	62	1.36	24
G831K	31	163	48	7.0	19	66	1.92	28
G839K	39	179	60	5.5	20	83	1.79	35
G848K	48	220	74	5.5	32	82	2.90	44
G860K	60	260	100	8.5	38	90	5.90	54

Loomis tether buoy slip grommet

Loomis slip grommets keep tether lines from wrapping around and entangling the main line during wind and tide changes. These easy to rig grommets are made of a tough marine grade plastic that will provide years of trouble free service. Produced in three sizes to fit all common main lines.



Code	Dimensions(mm)
4312440	16
4312450	22
4312455	25

Scotty tear drop nylon thimbles

For synthetic and natural fiber ropes. Made of tough weather and wear resistant Nylon, will not stain or chape rope.



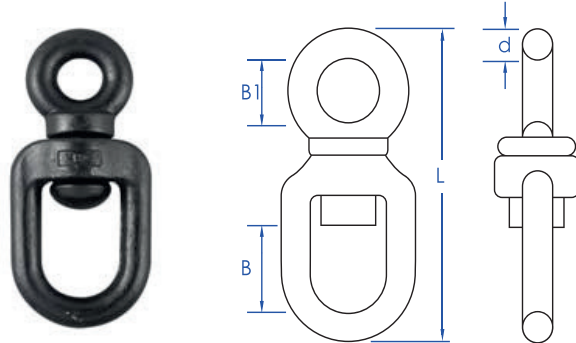
Code	Dimensions(mm)
0551	6
0552	8
0553	10
0554	13
0556	16
0557	19
0559	25



SWIVEL

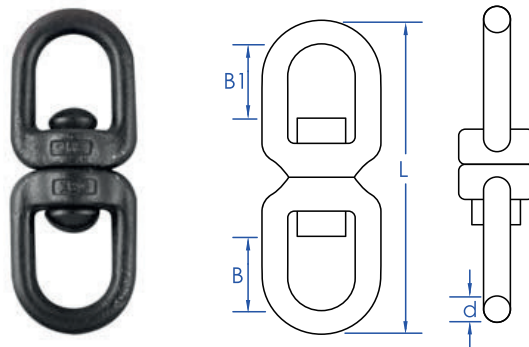
Regular swivel

• Single



Code	W.L.L. (ton)	d	Dimensions(mm)			Weight (kg)
			B	B1	L	
RSS13	1.0	13	38	17	124	0.5
RSS16	1.5	16	46	23	156	0.9
RSS19	2.5	19	48	26	182	1.4
RSS22	5.0	22	53	27	208	1.9
RSS25	6.5	25	62	30	233	2.7
RSS28	8.0	28	63	37	250	4.1
RSS32	10.0	32	66	37	276	5.6
RSS38	15.0	38	82	46	328	8.2

• Double



Code	W.L.L. (ton)	d	Dimensions(mm)			Weight (kg)
			B	B1	L	
RSD13	1.0	13	37	37	158	0.7
RSD16	1.5	16	46	46	196	1.2
RSD19	2.5	19	63	50	222	2.1
RSD22	5.0	22	75	53	258	2.6
RSD25	6.5	25	85	62	284	4.0
RSD28	8.0	28	86	63	300	5.9
RSD32	10.0	32	98	76	336	7.8
RSS38	15.0	38	116	90	410	10.6

*W.L.L. : Working Load Limit

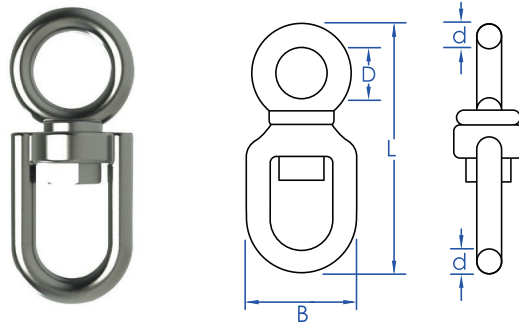


Swivel



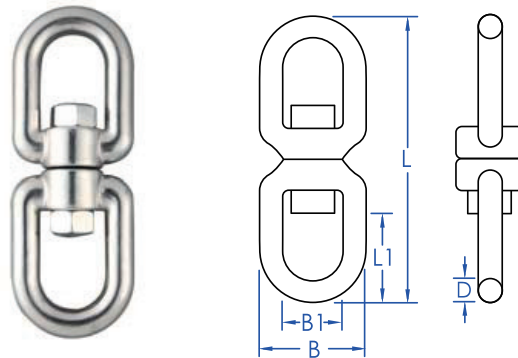
Stainless steel regular swivel

• Single



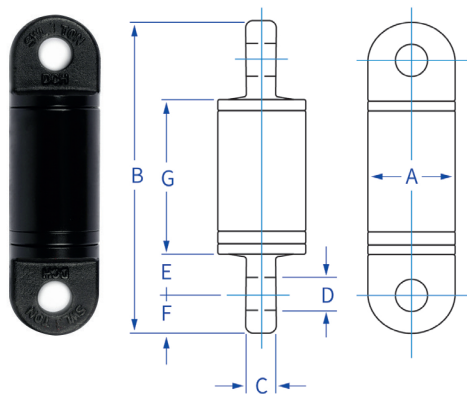
Code	Dimensions(mm)			
	d	L	B	D
SSRSS06	6	60	27	12
SSRSS08	8	78	35	16
SSRSS10	10	97	44	19
SSRSS13	13	125	57	22
SSRSS16	16	147	67	27
SSRSS19	19	179	80	29
SSRSS22	22	198	92	30
SSRSS25	25	215	98	32

• Double



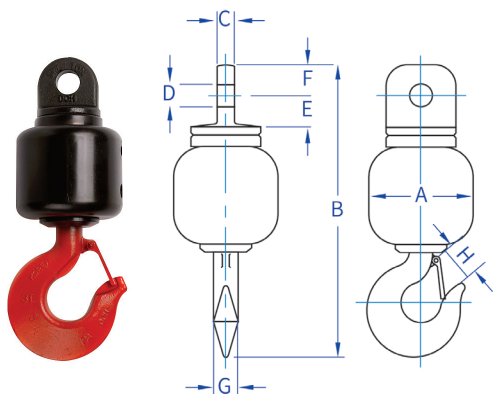
Code	Dimensions(mm)				
	D	L	L1	B	B1
SSRSD10	10	115	27	44	24
SSRSD11	11	134	42	48	26
SSRSD13	13	154	35	57	32
SSRSD16	16	188	45	71	39
SSRSD19	19	231	50	84	41
SSRSD22	22	254	52	95	47
SSRSD25	25	295	67	115	63
SSRSD32	32	385	87	144	80
SSRSD38	38	345	92	154	86

Bearing swivel Eye & Eye



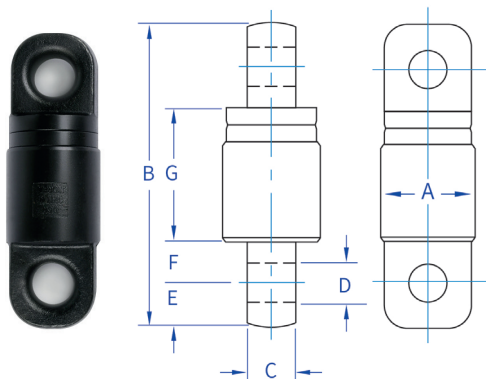
Code	W.L.L. (ton)	Dimensions(mm)							Weight (kg)
DCBS-EE01	1	49	174	12.5	21	24	23	80	1.4
DCBS-EE02	2	68	223	19.0	22	27	25	119	3.5
DCBS-EE03	3	76	278	26.0	29	36	34	138	6.5
DCBS-EE05	5	87	286	26.0	31	36	34	146	7.8
DCBS-EE08	8	106	364	40.0	43	48	46	176	15.0
DCBS-EE10	10	118	388	40.0	49	48	46	200	19.0
DCBS-EE15	15	128	457	40.0	49	64	52	225	27.0
DCBS-EE20	20	118	476	40.0	51	64	52	224	25.2

Bearing swivel Eye & Hook



Code	W.L.L. (ton)	Dimensions(mm)								Weight (kg)
DCBS-EH01	1	98	284	19	22	27	25	26	30	7.0
DCBS-EH02	2	118	335	26(19)	26	36	34	26	30	11.5
DCBS-EH03	3	138	391	26(21)	31	36	34	34	38	17.5
DCBS-EH05	5	158	441	26(21)	31	36	34	38	44	27.6
DCBS-EH10	10	198	579	40	49	45	46	67	62	-
DCBS-EH15	15	236	681	40	49	60	52	80	80	-
DCBS-EH20	20	236	678	40	51	60	52	90	80	-

Compact bearing swivel



Code	W.L.L. (ton)	Dimensions(mm)							Weight (kg)
DCBS03	3	54	190	27	26	27	28	80	-
DCBS05	5	59	220	33	30	31	33	92	2.9
DCBS08	8	84	267	42	34	33	39	122	7.2
DCBS12	12	94	295	50	41	41	45	123	10.0
DCBS17	17	119	369	52	52	58	55	143	19.0
DCBS22	22	125	431	58	52	55	63	195	26.0

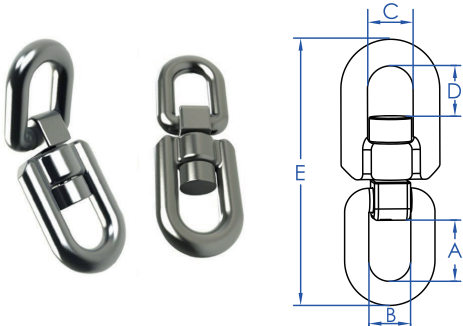
*W.L.L. : Working Load Limit



Swivel

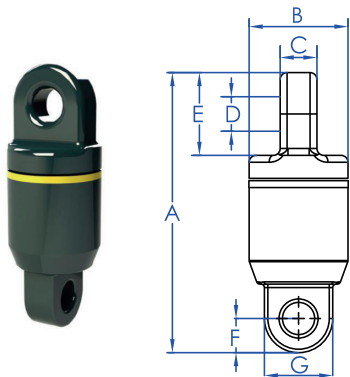


B&M Swivel stainless steel flex



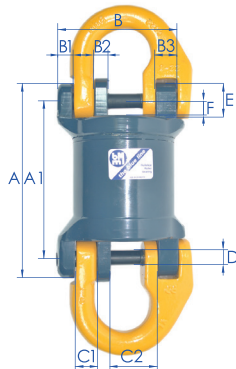
Code	W.L.L. (ton)	Dimensions(mm)					Weight (kg)
A	B	C	D	E			
A 12 SSF	1.6	30	28	28	34	160	0.56
A 16 SSF	3.2	41	38	37	48	200	1.20
A 19 SSF	4.7	44	40	40	54	235	2.00
A 22 SSF	6.3	44	40	40	55	255	2.90
A 25 SSF	8.3	55	50	45	70	320	4.70
A 32 SSF	12.0	55	55	54	93	360	9.20
A 38 SSF	18.0	62	58	60	110	410	14.60
A 45 SSF	28.0	75	70	70	115	515	24.00

B&M Ball bearing swivel



Code	W.L.L. (ton)	Dimensions(mm)							Weight (kg)
		A	B	C	D	E	F	G	
A401	1	126	43	16	15	36	18	35	0.78
A402	2	157	54	20	20	45	22	45	1.55
A403	3	189	65	27	26	55	28	55	2.70
A405	5	220	70	33	30	64	33	60	3.95
A408	8	250	85	42	34	73	39	75	6.80
A412	12	295	95	50	41	86	45	86	10.75
A417	17	360	120	57	45	113	55	108	20.40
A422	22	435	131	60	52	118	63	118	24.70
A432	32	500	160	65	59	132	73	140	45.00
A445	45	700	220	102	74	190	100	200	130.00

B&M Tapered roller thrust bearing

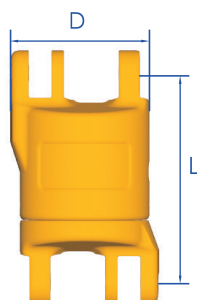


Code	W.L.L. (ton)	A	A1	B	B1	B2	B3	C1	C2	D	E	F	Weight (kg)
A806 -16	6.4	199	168.5	90.5	13	10	14.5	17.5	35.5	12.5	32	16.5	9.0
A810 -19	10.0	193	165.0	115.0	13	11	18.0	18.0	43.0	14.0	37	20.0	9.0
A812 -22	12.0	200	165.0	135.0	17	14	22.0	23.0	49.0	17.0	40	20.0	9.7
A817 -26	17.0	250	208.0	150.0	21	16	25.0	27.0	57.0	20.0	53	29.0	17.3



GUNNEBO

Ball bearing swivel electrically insulated



Code	W.L.L. (ton)	Dimensions(mm)		Chain size (mm)	Weight (kg)
L	D				
SKLI-7/8-8	2.0	75	48	8.7	0.7
SKLI-10-8	3.2	95	59	10.0	1.4
SKLI-13-8	5.4	120	75	13.0	2.9
SKLI-16-8	8.0	137	90	16.0	4.9
SKLI-18/20-8	12.5	159	104	19.0	7.2

* Without coupling link
*W.L.L. : Working Load Limit



FLOAT/BUOY



Float



A : Lug type

• A type

Code	Dia.(mm)	Working Depth(m)	Buoyant(kg)	Weight(kg)
KF2110A	210	1000	2.70	2.00
KF243A	240	300	5.60	1.36
KF248A	240	800	4.80	2.10
KF2415A	240	1500	4.92	2.95
KF2720A	270	2000	4.20	2.50
KF303A	300	300	11.50	2.00
KF308A	300	800	9.70	3.90
KF3010A	300	1000	9.00	5.00
KF363A	360	300	19.20	4.40
KF368A	360	800	17.40	6.70



B : Center hole type

• B type

Code	Dia.(mm)	Working Depth(m)	Buoyant(kg)	Weight(kg)
KF208B	200	800	2.70	1.30
KF248B	240	800	5.00	2.00
KF368B	360	800	16.00	7.20



Atlantic Floats

Atlantic deep sea float



Code	Dia.(mm)	Working Depth(m)	Buoyant(g)	Weight(g)
NP08-0400-CO	200	450	3320	875
NP08-0300-CR	200	300	3380	621
NP08-1050-CO	200	1050	2685	1300
NP08-1200-CY	200	1200	2490	1500
NP08-1200-CO	200	1200	2490	1500
NP08-1400-CW	200	1400	2300	1720
NP08-2000-CW	200	2000	2110	1760
NP08-3200-CW	200	3200	1800	1956
NP95-2000-CG	240	2000	3900	2822
NP95-1100-CO	240	1100	4280	2423
NP11-0600-CB	280	600	8480	2518
NP11-0950-CO	280	600	8610	2490
NP11-0950-CR	280	950	7580	3210
NP11-0950-CY	280	950	7580	3210
NP11-1500-CW	280	1500	6950	3730
NP14-0800-CW	360	800	17600	7145
NP14-0800-CLM*	360	800	21050	6690



Float / Buoy



E.V.A Float-Purse seine & Set Net

• Yellow



Code	LxODxHD(mm)	Specification(±)5%	
		Weight(g)	Buoyant(g)
EVA 105	320 x 295 x 70	2150	15000
EVA 100	285 x 260 x 50	1514	10000
EVA 85	265 x 248 x 48	1314	8500
EVA 70	250 x 220 x 42	1000	7000
EVA 60	240 x 215 x 42	874	6000
EVA 50	225 x 202 x 40	786	5000
EVA 40	208 x 185 x 37	585	3800
EVA 30	190 x 158 x 33	447	2980
EVA 25	180 x 147 x 28	350	2400
EVA 20	178 x 135 x 28	265	1700
EVA 15	160 x 125 x 28	235	1500
EVA 10	170 x 110 x 20	180	950
EVA 6	146 x 94 x 20	93	616
EVA 3	101 x 78 x 20	46	300
EVA SS5	155 x 110 x 25	170	1100
EVA SS3	130 x 110 x 25	140	920

Inflatable Polyform buoy

A SERIES SIZES

Around the world, more people rely on our A Series than all other buoys.



	Size [Dia. x length]	Eye Diameter	Circumference	Buoyancy Ratings	Pieces per carton
A-0	9" x 11.5" [23 x 29cm]	0.6" [1.6cm]	28.3" [72.2cm]	13lbs. [6kg]	20
A-1	11.5" x 14.5" [29 x 37cm]	1.0" [2.5cm]	36.1" [91.1cm]	29lbs. [13kg]	10
A-2	15.5" x 19.5" [39 x 49cm]	1.125" [2.8cm]	48.1" [122.5cm]	68lbs. [31kg]	10
A-3	18.5" x 23" [47 x 59cm]	1.125" [2.8cm]	58.1" [147.6cm]	121lbs. [55kg]	10
A-4	21.5" x 28" [55 x 71cm]	1.125" [2.8cm]	67.5" [172.7cm]	187lbs. [85kg]	10
A-5	27.5" x 30" [70 x 92cm]	1.25" [3.0cm]	86.4" [219.8cm]	396lbs. [179.6kg]	5
A-6	34.0" x 46.5" [86 x 118cm]	1.5" [3.8cm]	106.8" [270.0cm]	792lbs. [359.2kg]	3
A-7	41.4" x 54.4" [105 x 138cm]	2" [5.0cm]	130.0" [329.7cm]	1345lbs. [610.1kg]	2

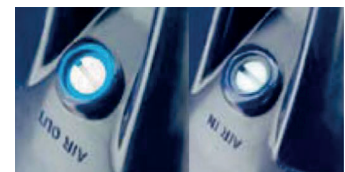
A SERIES COLORS



A-5, A-6 & A-7 FEATURES

DUAL VALVE SYSTEM

Two valves-the normal polyform inflation valve with the word "AIR IN" next to it, for easy inflation, and a blue colored valve with the words "AIR OUT" molded into the buoy for easy deflation and storage.





Inflatable fender with valves

• White



Code	Dia.(mm)	Length (mm)	Buoyancy (kg)	Eye dia. (mm)	Quant. / crt.	m ³ /crt.	Kilo/crt.
JF0520	125	540	5.0	18	20	0.079	16
JF0623	150	645	6.5	18	15	1.079	16
JF0822	200	635	14.0	28	10	0.079	18
JF0827	200	765	23.0	28	8	0.079	19
JF0839	200	1055	34.0	28	6	0.079	20
JF1025	250	700	29.0	28	7	0.079	17
JF1035	250	940	39.0	28	5	0.094	18
JF1232	300	880	43.0	28	4	0.075	15
JF1242	300	1130	55.0	28	4	0.094	19
JF1550	380	1370	116.0	32	1	0.065	8
JF2255	550	1465	215.0	32	1	0.040	12
JF3282	800	2050	720.0	32	1		



TOOL

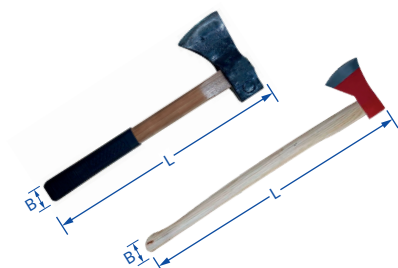


Crocodile spanner



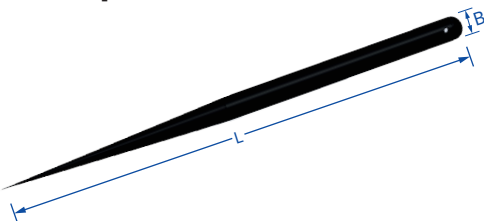
Code	Size (mm)	Width (mm)
CROS300	300	80
CROS400	400	90
CROS500	500	99
CROS600	600	110

Ax-wooden handle



Code	Size	Dimensions(mm)		Weight (kg)
		L	B	
AXWH450	450	450	19	0.7
AXWH900	900	900	45	1.7

Iron spike



Code	Size	Dimensions(mm)		Weight (kg)
		L	B	
IRSP300	300	300	16	0.6
IRSP350	350	350	19	0.7
IRSP400	400	400	24	1.0
IRSP450	450	450	27	1.4
IRSP500	500	500	30	2.0
IRSP600	600	600	30	2.5

Wire cutter



Code	Wire(mm)
HC07	7
HC09	9
HC12	12
HC16	16

Chain cutter



Code	Chain(mm)	Weight (kg)
HC930	14.3	4.8
HC936	15.9	6.8
HC942	19.0	9.8

Hammer wooden handle



Size(kg)
0.8kg / 1.3kg / 1.5kg / 2kg



Tool



Selma spike

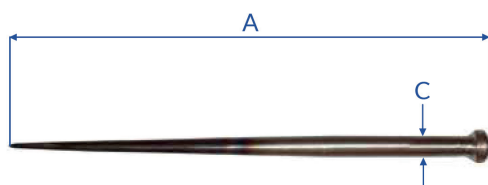


Selma Marlin spikes for fiber rope

Stainless steel

Code	Size
EM100	Set. 4.0 - 5.5 - 7.5 - 10.0 - 13.0 mm
EM222	Stk. 22 mm

Wire spike



Code	Dimensions(mm)		Weight (kg)
	A	C	
EM260CH	260	16	0.24
EM310CH	310	20	0.37
EM350CH	350	25	0.81
EM450CH	450	28	1.21
EM510CH	510	28	1.39
EM610CH	610	28	1.88
EM700CH	700	28	2.30
EM900CH	900	28	3.38

Marlin spike



Code	Dimensions(mm)		Weight (kg)	Material
	A	B		
EM170SS	170	24	0.030	Wood
EM280SS	280	32	0.125	Wood
EM305SS	305	33	0.260	Nylon
EM385SS	385	43	0.460	Nylon

Knives



Victorinox Table knife (Swiss)
HK50433

Victorinox Paring knife (Swiss)
HK50833(HK40504)

Frosts (Sweden)
Mora HK018

Deck knife
HK790(Korea)

Knife sheaths



Plain webbing #880 (USA)
-Victorinox HK50433 -Victorinox HK50833



Plastic sheath #881 (USA)
-Victorinox HK50433

Knife sharpener



Edgemaker knife sharpener
#64012



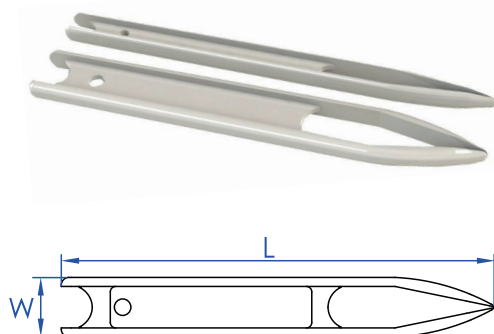
Accusharp knife sharpener
#001



Aladdin wall mounted sharpener
#27010

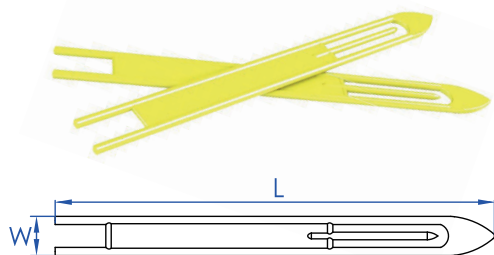


Bone net needle



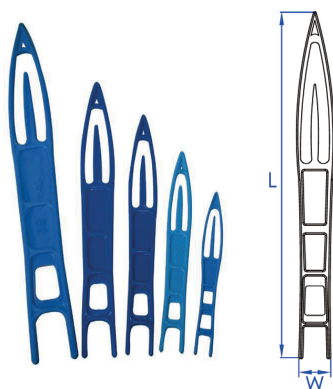
Code	Dimensions(mm)		Weight (kg)
	W	L	
NFF 10-110	10	110	0.24
NFF 10-200	10	200	0.55
NFF 16-130	16	130	0.54
NFF 16-240	16	240	1.16
NFF 20-155	20	155	1.18
NFF 20-175	20	175	1.32
NFF 20-200	20	200	1.52
NFF 20-250	20	250	1.95
NFF 27-200	27	200	2.46
NFF 27-250	27	250	2.81
NFF 27-280	27	280	3.10
NFF 27-310	27	310	3.76

Flat net needle



Code	Dimensions(mm)	
	W	L
NAL 12	38	300
NAL 14	38	355
NAL 16	44	405
NAL 20	52	505

Netting needle (made in Korea)



W	Dimensions(mm)	
	L	
9	110	
13	150	
24	200	
29	250	
35	300	
40	350	
46	400	

Fiberglass / Steel measure tape



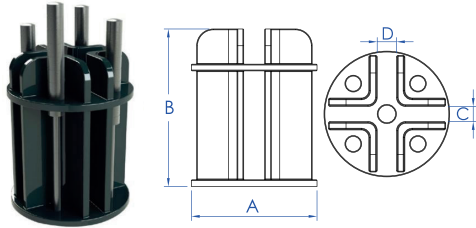
Code	Length(m)
HM03	3.5
HM05	5
HM30	30
HM50	50



Tool

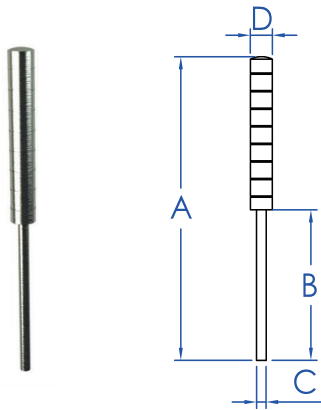


Tool with punches for connectors



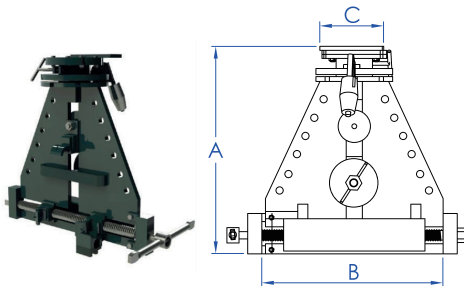
Code	Dimensions(mm)				No. of punches	Weight (kg)	For connector
	A	B	C	D			
E600	160	170	25	21	4	6.8	10-13-16-19
E601	160	170	25	21	0	5.1	
E610	160	200	35	28	2	7.2	19-22
E611	160	200	35	28	0	6.1	

Punches for connectors



Code	Dimensions(mm)				Weight (kg)	For connector
	A	B	C	D		
E600-05	175	50	5	22	0.33	7
E600-07	190	70	7	22	0.36	10
E600-09	210	85	9	22	0.41	13
E600-11	220	100	11	22	0.45	16
E600-13	240	115	13	22	0.50	17
E600-15	250	125	15	22	0.55	22
E600-17	265	140	17	22	0.65	26

Wire vise



Code	Dimensions(mm)			Max. wire (mm)	Weight (kg)	Remark
	A	B	C			
E122	410	410	160	10-22	18.6	With swing
E128	510	520	160	20-28	29.8	With swing
E134	510	600	160	20-34	34.0	With swing
E134B	510	600	160	20-34	35.5	With swing & brake
E250	700	700	250	20-50	116.0	With swing & brake

Wire hold

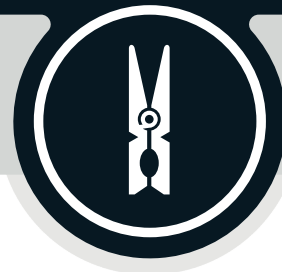


Code	For wire max.(mm)	Weight(kg)
E150	42	4.4

Wire splicing stand with motor



Code	Weight(kg)	Remark
E200	142.0	E134-M+E150+E160



Electric cutter



Code	Power	Weight(kg)
HSG-0/110	110V/60W	1
HSG-0/220	220V/60W	1

Electric cutter blade



Code
R type
F-2 type

Net scissor



Code	Description	Size(mm)
MSCIN	Handheld scissors	200

Plastic basket



Code	Size(ltr)
BAS44	44

Ice shovels



Code	Description	Size(mm)
KIS1020	Plastic	1,020
KIS1050	Aluminum	1,050

Insulation tape



Code	Length(m)	Weight(kg)
TAP 19 Blue	16.8	0.075
TAP 19 Red	16.8	0.075
TAP 19 Yellow	16.8	0.075
TAP 19 Black	16.8	0.075

Mesh measurer



HMM 60 -120 (Aluminum)
60~120mm



BMIMM 90 -170(Aluminum)
90~170mm



HMM 110 -170 (Aluminum)
110~170mm

Grundens elastic belt



Wire stocking





ETC



Gloves



Atlas - #660



Atlas - #460 (Winter)



Atlas - #620



Nitty - Gritty rubber coated



Atlas - #640



PVC - Glove



PVC - Glove (Winter)



Mittens (Canvas)



PVC - Mittens (Winter)



Atlas - #300



Full Coated Glove



Half Coated Glove



Cotton Glove



Etc



Clothing



Raincoat-Khaki (up)



Raincoat, Dorongi(Up)



Raincoat-Orange(Up)



Raincoat-Khaki(Down)



Raincoat, Dorongi(Down)



Raincoat-Orange(Down)



Winter cloth Alaska up&down



Working Cloth (up)



Overall-Blue/Orange



Winter cloth up&down, Dorongi, blue



Working Cloth (down)



Winter Overall



Shoes & Boots



Winter Boots-40°C (long)



Winter Boots (Short)



Safety Boots - Black



Winter Boots - Blue



Rain Boots - Blue



Safety Shoes - Type1



Safety Shoes - Type2



Safety Shoes - Type3

