

EXPERTISE.
QUALITY.
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SAFETY FIRST

Your marine procurement partner
in the Caribbean and Beyond.



Alixum International Ltd

Barbados • St. Kitts & Nevis • Trinidad & Tobago • Jamaica

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We are procurement specialists in the Caribbean region catering to your maritime needs. With over 30 years' experience in the marine industry, we excel in marine procurement and shipbuilding and boatbuilding solutions.

WHAT WE DO

- We represent international shipyards and boatyards and work with them to bring you vessels tailored to your specifications. In addition to procurement services, we offer brokerage services and provide fender systems and specialty ropes for ports. We also have the capacity to build shipyards for governments.

WHO WE SERVE

- We serve a range of clientele, including ports, navies and coast guards, law enforcement, offshore oil and gas companies, transportation companies, and agencies such as environmental protection and firefighting.
- Our aim is threefold: to listen attentively and understand your unique needs and requirements; to provide solutions that will closely fit these needs and maximize available resources; and to be at your side from the beginning and maintain a continuing relationship should any issues arise.

PRODUCT CATALOG

BOATS

PG.5

- **STANLEY** Boats specializes aluminium, steel, and stainless steel commercial vessels, providing agencies such as governments, states, provinces, and municipalities with superior marine response vessels. With a strong reputation and innovative approach to integrated design and construction, STANLEY Boats is the first choice for new and repeat customers.
- **MetalCraft** focuses on patrol vessels and work boats. They build boats for governments and commercial markets, and have won several design and industry awards for excellence in design and construction. MetalCraft Marine has expanding facilities, decades of expertise, and skilled craftsmen. With innovative design and construction techniques, they have built a solid reputation in the North American commercial boat industry.
- **DEARSAN** specializes in providing services for the design and construction of sophisticated naval ships, including the integration of weapon combat systems, and complex commercial vessels such as tug boats, oil/chemical tankers, and fast passenger ferries. DEARSAN has proven world-class design, engineering, fabrication, and building with its advanced facilities and experienced workforce.

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CORROSION PROTECTION SYSTEMS

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ROPES

PG.61

LIFE RAFTS

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YTTERØY

YTTERØY
TRONDHEIM

BOATS BY SIZE

6.7 m. (22')	Raised Deck 22' x 8'4"	8
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Raised Deck 22' x 8'4"

L.O.A: 6.7 m. (22')

BEAM

2.54 m. (8' 4")

MANUFACTURER



Bullnose 24' x 9'10"

L.O.A: 7.31 m. (24')

BEAM

3 m. (9' 10")

MANUFACTURER



Cruiser OC 25' x 9'6"

L.O.A: 7.62 m. (25')

BEAM

2.89 m. (9' 6")

MANUFACTURER



Bullnose CC 26' x 8'4"

L.O.A: 7.92 m. (26')

BEAM

2.54 m. (8' 4")

MANUFACTURER



Bullnose CC 26' x 9'10"

L.O.A: 7.92 m. (26')

BEAM

3 m. (9' 10")

MANUFACTURER



Cruiser 27' x 10'6"

L.O.A: 8.23 m. (27')

BEAM

3.2 m. (10' 6")

MANUFACTURER



FireStorm 27

L.O.A: 8.36 m. (27' 3")

BEAM

3.25 m. (10' 8")

DRAFT

0.56 m. (1' 10")

MAX SPEED

39 knots

ENGINE

Twin Yanmar Diesels

MONITOR

FireFox Remote
Akron Conquest

PUMP

1000 GPM Hale

JETS

Hamilton 322

MANUFACTURER

MetalCraft Marine
INCORPORATED



Cruiser 28' x 10'6"

L.O.A: 8.53 m. (28')

BEAM

3.2 m. (10' 6")

MANUFACTURER

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Bullnose 28 SV

L.O.A: 8.53 m. (28')

BEAM

3.05 m. (10')

DRAFT

7.31 m. (24')

MAX SPEED

40 knots (fully loaded)

PROPULSION

300 HP

WEIGHT

1.81 t.

MANUFACTURER

MetalCraft Marine
INCORPORATED



Coastal 28' x 10'6"

L.O.A: 8.53 m. (28')

BEAM

3.2 m. (10' 6")

MANUFACTURER

STANLEY
ALUMINUM BOATS



Kingfisher 28 Patrol

L.O.A: 8.53 m. (28')

BEAM

2.59 m. (8' 6")

DRAFT

5.49 m. (18')

MAX SPEED

32 knots (at 300 HP)

PROPULSION

up to 600 HP

WEIGHT

3.85 t.

FUEL CAPACITY

227.12 lt. (60 gal.)

VESSEL CAPACITY

1.36 t.

MANUFACTURER

MetalCraft Marine
INCORPORATED



Pulsecraft 20' x 8'6"

L.O.A: 9.09 m. (20')

BEAM

2.59 m. (8' 6")

MANUFACTURER

STANLEY
ALUMINUM BOATS



Predator 20'

L.O.A: 9.09 m. (20')

BEAM

2.29 m. (7' 6")

MANUFACTURER



Fire/Rescue 28

L.O.A: 8.61 m. (28' 3")

BEAM

3.43-3.51 m. (11'3" - 11'6")

DRAFT

0.48 m. (1' 7")

MAX SPEED

36.5 knots

ENGINE

Twin Bombardier E-TEC
Outboard (200 HP each)

MONITOR

Elkhart Spit-Fire

PUMP

1250 GPM Darley with
4.3L Mercruiser

FEATURES

- FIRE FIGHTING SYSTEMS
- EMS SUPPORT

MANUFACTURER

MetalCraft Marine
INCORPORATED



Kingfisher 29

L.O.A: 8.84 m. (29')

BEAM

2.51 m. (8' 3")

MAX SPEED

50 knots

PROPULSION

up to 400 HP

WEIGHT

1.36 t.

MANUFACTURER

MetalCraft Marine
INCORPORATED



Flat-bottom Navigational Barge 20' x 8'

L.O.A: 9.09 m. (20')

BEAM

2.44 m. (8')

MANUFACTURER

STANLEY
ALUMINUM BOATS



Kingston 26/28 RIB

L.O.A: 8.99 m. (29' 6")

BEAM

3.30 m. (10' 10")

DRAFT

0.48 m. (1' 6")

MAX SPEED

32 knots (at 380 HP)

PROPULSION

380 HP

WEIGHT

3.9 t. (with diesel)

FUEL CAPACITY

454.25 lt. (120 gal.)

MANUFACTURER

MetalCraft Marine
INCORPORATED



Walk Around Cabin 30' x 10'6"

L.O.A: 9.14 m. (30')

BEAM

3.2 m. (10' 6")

MANUFACTURER

STANLEY
ALUMINUM BOATS



Bullnose 30 SV

L.O.A: 9.14 m. (30')

BEAM

3.5 m. (11' 6")

DRAFT

7.31 m. (24')

MAX SPEED

40 knots (fully loaded)

PROPULSION

400 HP

WEIGHT

2.04 t.

MANUFACTURER

MetalCraft Marine
INCORPORATED



Kingston 32 RIB

L.O.A: 9.77 m. (32' 1")

BEAM

2.72 m. (8' 11")

DRAFT

fully loaded: 6.71 m. (22')

MAX SPEED

40 knots (fully loaded)

WEIGHT

4.58 t

FUEL CAPACITY

757 lt. (200 gal.)

MANUFACTURER

MetalCraft Marine
INCORPORATED



Interceptor 9M (With Cabin)

L.O.A: 9.4 m. (30' 8")

BEAM

2.3 m. (9' 10")

MAX SPEED

45-55 knots

ENGINE

2x 300-400 HP

FUEL CAPACITY

950 lt. (250 gal.)

MANUFACTURER

MetalCraft Marine
INCORPORATED



Interceptor 9M (No Cabin)

L.O.A: 10.45 m. (34' 3.5")

BEAM

3.19 m. (10' 5.5")

MAX SPEED

45-55 knots

ENGINE

2x 300-400 HP

FUEL CAPACITY

950 lt. (250 gal.)

MANUFACTURER

MetalCraft Marine
INCORPORATED



Interceptor 10M

L.O.A: 9.96 m. (32' 7.625")

BEAM

3.38 m. (11' 1")

DRAFT

6.09 m. (20')

MAX SPEED

42 knots

PROPULSION

400-700 HP

WEIGHT

5.22 t.

FUEL CAPACITY

5.22 t.

MANUFACTURER

MetalCraft Marine
INCORPORATED



Bullnose 36' x 12'

L.O.A: 10.97 m. (36')

BEAM

3.66 m. (12')

MANUFACTURER

STANLEY
ALUMINUM BOATS



FireBrand 28/30

L.O.A: 10.18 m. (33' 5")

BEAM

3.07 m. (10' 1")

DRAFT

0.46 m. (1' 6")

MAX SPEED

34.76 knots

ENGINE

Twin Bombardier 225,
E-TEC Outboard 200-250 HP

MONITOR

Elkhart 8294 remote

PUMP

1250 GPM Darley with
4.3L Mercruiser

MANUFACTURER

MetalCraft Marine
INCORPORATED



Flatt-bottom Cable Barge 36' x 13'6"

L.O.A: 10.97 m. (36')

BEAM

4.11 m. (13' 6")

MANUFACTURER

STANLEY
ALUMINUM BOATS



Interceptor 11M

L.O.A: 10.66 m. (35')

BEAM

3.45 m. (11' 4")

MAX SPEED

40-45 knots

ENGINE

2x 480 HP

JET

MJP 305

FUEL CAPACITY

1075 lt. (284 gal.)

MANUFACTURER

MetalCraft Marine
INCORPORATED



FireStorm 32

L.O.A: 10.36 m. (34')

BEAM

3.2 m. (10' 6")

DRAFT

0.46 m. (1' 6")

MAX SPEED

40 knots (fully loaded)

MONITOR

2 monitors, 2 discharges,
1 LDH

ENGINE

Twin Diesel

MANUFACTURER

MetalCraft Marine
INCORPORATED



FireStorm 30

L.O.A: 11.07 m. (36' 4")

BEAM

3.25 m. (10' 8")

DRAFT

0.61 m. (2')

MAX SPEED

36 knots (fully loaded)

MONITOR

2 monitors, 2 discharges,
1 LDH

MANUFACTURER

MetalCraft Marine
INCORPORATED



FireStorm 36

L.O.A: 11.94 m. (39' 2")

BEAM

3.96 m. (13')

DRAFT

6.70 m. (22')

MAX SPEED

39 knots (fully loaded)

ENGINE

Twin Diesel

MONITOR

2 monitors, 2 discharges,
1 LDH

MANUFACTURER

MetalCraft Marine
INCORPORATED



Kingston 36

L.O.A: 12.04 m. (39' 6")

BEAM

3.96 m. (13')

DRAFT

7.31 m. (24')

MAX SPEED

40 knots

WEIGHT

8.16 t.

FUEL CAPACITY

1135.62 lt. (300 gal.)

MANUFACTURER

MetalCraft Marine
INCORPORATED



Kingston 40 SAR

L.O.A: 12.19 m. (40')

BEAM

4.65 m. (15' 3")

DRAFT

12.80 m. (42')

MAX SPEED

33 knots (light; 3x 200 HP)

WEIGHT

8.62 t.

FUEL CAPACITY

1135.62 lt. (300 gal.)

MANUFACTURER

MetalCraft Marine
INCORPORATED



High Speed 12M Patrol Boat

L.O.A: 12.6 m. (42' 4")

BEAM

4.17 m. (13' 8")

MAX SPEED

40-45 knots

ENGINE

2 x Cummins QSB 6.7
480 HP Inboard Diesel

JET

2 x Hamilton Jet HJ292

FUEL CAPACITY

1514.16 lt. (400 gal.)

MANUFACTURER



12 m. Fast Intervention Boat

L.O.A: 12.99 m. (42' 7")

BEAM

3.99 m. (13' 1")

DRAFT

0.95 m. (3' 1")

MAX SPEED

25 knots

FUEL CAPACITY

1000 lt. (264.2 gal.)

MANUFACTURER



FireStorm 40

L.O.A: 13.13. m. (43' 1")

BEAM

4.37 m. (14' 4")

DRAFT

7.62 m. (25')

MAX SPEED

37 knots

ENGINE

Twin Diesel

MANUFACTURER

MetalCraft Marine
INCORPORATED



Flat-bottom Vehicle Ferry 45' x 12'

L.O.A: 13.71 m. (45')

BEAM

3.66 m. (12')

MANUFACTURER

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Bullnose 45' x 12'

L.O.A: 13.71 m. (45')

BEAM

3.66 m. (12')

MANUFACTURER

STANLEY
ALUMINUM BOATS



Dredger Barge

L.O.A: 14.38 m. (47' 2")

BEAM

10.95 m. (35' 11")

DRAFT

1 m. (3' 3")

MANUFACTURER



15 m. Fast Intervention Boat

L.O.A: 14.5 m. (47' 7")

BEAM

4.15 m. (13' 7")

DRAFT

0.75 m. (2' 5")

MAX SPEED

40+ knots

ENGINE

2 x 720 kW at 2250 rpm

JET

2 x Ultra Jet UJ 410

MANUFACTURER



46/48 High Speed Aluminium Fireboat

L.O.A: 14.63 m. (48')

BEAM

4.55 m. (14' 11")

DRAFT

7.62 m. (25')

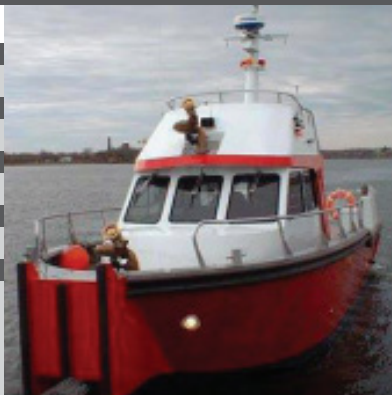
MAX SPEED

38 knots (fully loaded)

ENGINE

Twin Diesel

MANUFACTURER



50 High Speed Aluminium Fireboat

L.O.A: 15.37 m. (50' 5")

BEAM

4.83 m. (15' 10")

DRAFT

7.62 m. (25')

MAX SPEED

44 knots (loaded)

ENGINE

Twin or Triple Diesel

MANUFACTURER



70 High Speed Aluminium Fireboat

L.O.A: 21.59 m. (70' 10")

BEAM

6.96 m. (22' 10")

DRAFT

10.36 m. (34')

MAX SPEED

42 knots (loaded)

ENGINE

Quad Diesel Engines

MONITOR

3x monitors, 2x discharges,
2x LDH

PUMP

4 x 3000 GPM

MANUFACTURER



Split Barge

L.O.A: 26.07 m. (85' 6")

BEAM

7.23 m. (23' 8")

DRAFT

0.75 m. (2' 5")

MANUFACTURER



22 m. Hydrographic & Oceanographic Survey Vessel

L.O.A: 22 m. (72' 2")

BEAM

7.5 m. (24' 7")

DRAFT

4 m. (13' 1")

FUEL CAPACITY

30000 lt. (7925.16 gal.)

MANUFACTURER



54/60 Patrol Crew Boat

L.O.A: 16/18 m. (54/60')

BEAM

5.56 m. (18' 3")

DRAFT

0.76 m. (2' 6")

MAX SPEED

41 knots

ENGINE

T3X600 HP CAT
Diesel Engines

JET

Hamilton 362

MANUFACTURER



27 m. Attack Boat

L.O.A: 27.6 m. (90' 7")

BEAM

6 m. (18' 8")

DRAFT

1.20 m. (3' 11")

MAX SPEED

50 knots

ENGINE

3 x MTU 16V 2000 series

JET

3 x Water Jets (MJP 550
or equivalent)

MANUFACTURER



Landing Craft Mechanized (LCM)

L.O.A: 27.72 m. (90' 11")

BEAM

6 m. (18' 8")

DRAFT

20.88 m. (60' 6")

MAX SPEED

10+ knots

ENGINE

3 x Volvo D7A 130 kW

MANUFACTURER



32 m. Hydrographic & Oceanographic Survey Vessel

L.O.A: 32 m. (105')

BEAM

8 m. (26' 3")

DRAFT

2.5 m. (8' 2")

MAX SPEED

13+ knots

MANUFACTURER



30 m. / 22 TBP Tug Boat

L.O.A: 30.12 m. (98' 10")

BEAM

11.20 m. (36' 9")

DRAFT

3.20 m. (10' 6")

MAX SPEED

12 knots

ENGINE

2 x 920 kW Diesel Engines

MANUFACTURER



32 m. / 70 TBP Tug Boat

L.O.A: 32.00 m. (105')

BEAM

11.60 m. (38')

DRAFT

4.30 m. (14' 1")

MAX SPEED

13 knots

FUEL CAPACITY

173680 lt. (45881.4 gal.)

MANUFACTURER



33 m. Attack Boat

L.O.A: 33.05 m. (108' 5")

BEAM

7.1 m. (23' 3")

DRAFT

1.4 m. (4' 7")

MAX SPEED

37+ knots (MTU M90),
43+ knots (MTU M93L)

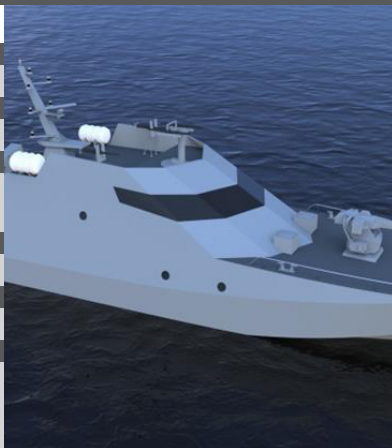
ENGINE

2 x MTU Diesel (M90/M93L)

JET

2 x MJP/Hamilton Waterjet

MANUFACTURER



34 m. / 80 TBP Tug Boat

L.O.A: 34.00 m. (111' 6")

BEAM

13.50 m. (44' 3")

DRAFT

4.50 m. (14' 9")

MAX SPEED

13 knots

ENGINE

2 x ABC Diesel Engines

MANUFACTURER



41 m. Hydrographic & Oceanographic Survey Vessel

L.O.A: 41 m. (134' 6")

BEAM

9 m. (29' 6")

DRAFT

3.4 m. (11' 2")

MAX SPEED

12+ knots

MANUFACTURER



Fast Passenger Ferry

L.O.A: 37.80 m. (124')

BEAM

8.90 m. (29' 2")

DRAFT

1.20 m. (3' 11")

MAX SPEED

30+ knots

ENGINE

4 x MTU 12V 2000 M70
(788 kW each)

JET

4 x Hamilton Jet Hm 521

FUEL CAPACITY

8000 lt. (2113.3 gal.)

MANUFACTURER



42 m. Attack Boat

L.O.A: 42.40 m. (139' 1")

BEAM

7.25 m. (23' 9")

DRAFT

2.10 m. (6' 11")

MAX SPEED

35 knots

MANUFACTURER



Supply Support Vessel

L.O.A: 54.20 m. (177' 10")

BEAM

10 m. (32' 10")

DRAFT

3.80 m. (12' 6")

MAX SPEED

12 knots

ENGINE

2 x 1500 kW at 1800 rpm

MANUFACTURER



Mine Hunting Ship

L.O.A: 55.3 m. (181' 5")

BEAM

9.75 m. (32')

DRAFT

2.45 m. (8')

MAX SPEED

14 knots

ENGINE

MTU 1000 kW

MANUFACTURER



Mine Sweeping Ship

L.O.A: 54.46 m. (178' 8")

BEAM

9.7 m. (31' 10")

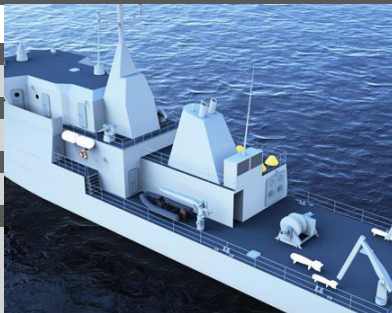
DRAFT

2.6 m. (8' 6")

MAX SPEED

14.2 knots

MANUFACTURER



57 m. Patrol Boat

L.O.A: 56.90 m. (186' 8")

BEAM

8.90 m. (29' 2")

DRAFT

2.51 m. (8' 3")

MAX SPEED

25+ knots

ENGINE

2 x MTU 16V 4000 M90 -
2720 kW each (3650 bhp)
at 2100 rpm

FUEL CAPACITY

43 t.

MANUFACTURER



Offshore Supply Vessel

L.O.A: 60 m. (196' 10")

BEAM

14 m. (45' 11")

DRAFT

4.50 m. (14' 9")

MAX SPEED

12 knots

ENGINE

2 x Diesel engines
(2 x 2575 bhp)

FUEL CAPACITY

500 m³ (1640' 5"³)

MANUFACTURER



65 m. Fast Attack Craft

L.O.A: 65 m. (213' 3")

BEAM

10 m. (32' 10")

DRAFT

2.8 m. (9' 2")

MAX SPEED

32+ knots (MTU M93L)

ENGINE

4 x MTU Diesel (M93L)

MANUFACTURER



65.3 m. Coast Guard Boat

L.O.A: 65.30 m. (214' 3")

BEAM

10.20 m. (33' 6")

DRAFT

2.5 m. (8' 2")

MAX SPEED

22 knots

MANUFACTURER



Landing Craft Tank (LCT)

L.O.A: 65.60 m. (215' 2")

BEAM

11.60 m. (38' 1")

DRAFT

2 m. (6' 7")

MAX SPEED

18 + knots

MANUFACTURER



65.9 m. Coast Guard Boat

L.O.A: 65.90 m. (216' 2")

BEAM

10.40 m. (34' 1")

MAX SPEED

28 knots

MANUFACTURER



Search and Rescue Ship (SAR)

L.O.A: 80.6 m. (264' 5")

BEAM

13 m. (42' 8")

DRAFT

3.7 m. (12' 2")

MAX SPEED

24 knots

MANUFACTURER



3350 DWT Tanker

L.O.A: 92.86 m. (304' 8")

BEAM

14.10 m. (46' 3")

DRAFT

5.50 m. (18')

MANUFACTURER



Rescue and Towing Ship (RATSHIP)

L.O.A: 81 m. (265' 9")

BEAM

17.8 m. (58' 5")

DRAFT

5.6 m. (18' 4")

MAX SPEED

18 knots

MANUFACTURER



Submarine Rescue Mothership (MOSHIP)

L.O.A: 94 m. (308' 5")

BEAM

19.6 m. (64' 4")

DRAFT

5.5 m. (18')

MAX SPEED

18 knots

MANUFACTURER



7000 DWT Tanker

L.O.A: 119.10 m. (390' 9")

BEAM

16.90 m. (55' 5")

DRAFT

6.65 m. (21' 10")

MAX SPEED

14 knots at 90% MCR

MANUFACTURER



11250 DWT Tanker

L.O.A: 129.50 m. (424' 10")

BEAM

19.80 m. (64' 11")

DRAFT

7.85 m. (25' 9")

MAX SPEED

15 knots

MANUFACTURER



Dearsan CNG Carrier

L.O.A: 132.07 m. (433' 4")

DRAFT

6.64 m. (21' 9")

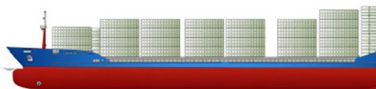
SERVICE SPEED

20.5 knots

CARRIAGE CAPACITY

252 FEU

MANUFACTURER



BOATS BY NAME

12 m. Fast Intervention Boat	23
15 m. Fast Intervention Boat	25
22 m. Hydrographic & Oceanographic Survey Vessel	28
27 m. Attack Boat	29
30 m. / 22 TBP Tug Boat	30
32 m. / 70 TBP Tug Boat	31
32 m. Hydrographic & Oceanographic Survey Vessel	30
33 m. Attack Boat	31
34 m. / 80 TBP Tug Boat	32
41 m. Hydrographic & Oceanographic Survey Vessel	32
42 m. Attack Boat	33
46/48 High Speed Aluminium Fireboat	26
50 High Speed Aluminium Fireboat	26
54/60 Patrol Crew Boat	28
57 m. Patrol Boat	35
65.3 m. Coast Guard Boat	37
65.9 m. Coast Guard Boat	38
65 m. Fast Attack Craft	36
70 High Speed Aluminium Fireboat	27
3350 DWT Tanker	39
7000 DWT Tanker	40
11250 DWT Tanker	41
Bullnose 24' x 9'10"	8
Bullnose 28 SV	11
Bullnose 30 SV	16
Bullnose 36' x 12'	18
Bullnose 45' x 12'	24
Bullnose CC 26' x 8'4"	9

Bullnose CC 26' x 9'10"	9	Kingston 36	22
Coastal 28' x 10'6"	11	Kingston 40 SAR	22
Cruiser 27' x 10'6"	9	Landing Craft Mechanized (LCM)	29
Cruiser 28' x 10'6"	10	Landing Craft Tank (LCT)	37
Cruiser OC 25' x 9'6"	8	Mine Hunting Ship	34
Dearsan CNG Carrier	41	Mine Sweeping Ship	35
Dredger Barge	25	Offshore Supply Vessel	36
Fast Passenger Ferry	33	Predator 20'	13
FireBrand 28/30	19	Pulsecraft 20' x 8'6"	12
Fire/Rescue 28	13	Raised Deck 22' x 8'4"	8
FireStorm 27	10	Rescue and Towing Ship (RATSHIP)	39
FireStorm 30	21	Search and Rescue Ship (SAR)	38
FireStorm 32	20	Split Barge	27
FireStorm 36	21	Submarine Rescue Mothership (MOSHIP)	40
FireStorm 40	24	Supply Support Vessel	34
Flat-bottom Navigational Barge 20' x 8'	14	Walk Around Cabin 30' x 10'6"	15
Flat-bottom Vehicle Ferry 45' x 12'	24		
Flatt-bottom Cable Barge 36' x 13'6"	19		
High Speed 12M Patrol Boat	23		
Interceptor 9M (No Cabin)	17		
Interceptor 9M (With Cabin)	17		
Interceptor 10M	18		
Interceptor 11M	20		
Kingfisher 28 Patrol	12		
Kingfisher 29	14		
Kingston 26/28 RIB	15		
Kingston 32 RIB	16		

BUOYS FOR CRUISE SHIPS

Foam filled mooring buoys can be used for the mooring of large Cruise Ships. With the recent surge of the cruising industry and ever larger vessels are being built, many port authorities have found themselves without the possibility of welcoming such ships due to lack of space in port or the water depth not being sufficient enough to accommodate those ships.

We have supplied custom designed mooring buoys specially put in place to moor up such cruise ships off harbours or seashore to tender tourists to and from the ships. Ships 'simply' moor up and tourists disembark to land.

MAIN ADVANTAGES OF OUR CRUISE SHIP MOORING BUOYS:

- Custom made to any size/shape and/or specification.
- Different mooring fixtures available for different usage/ applications and to customer needs, such as chain through, mooring eye, T-mooring, quick release hooks, etc...
- Foam filled offering a soft fender like feel which will never damage hulls even if in contact.
- Unsinkable, even if damaged.
- High Energy Absorption and low Reaction Forces.
- Can be manufactured from a range of different foam densities to give a harder or softer feel as required.
- Can be manufactured in a wide range of colours.
- Many ancillaries/options available, such as steps/ladders, lights/lanterns, reflective markings, radar reflector, markings, etc...
- 100% non-marking.



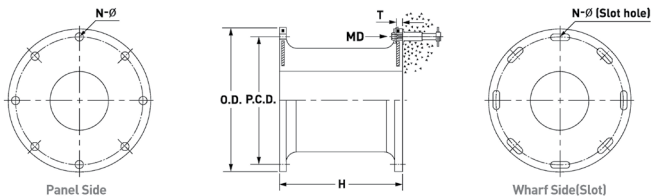
SYSTEM FENDERS

System fender was specially developed for use in harbours used by larger vessels. These larger vessels, in order to keep their weight to the minimum in pursuit of efficiency, are normally constructed with hulls of relatively thin sheet steel.

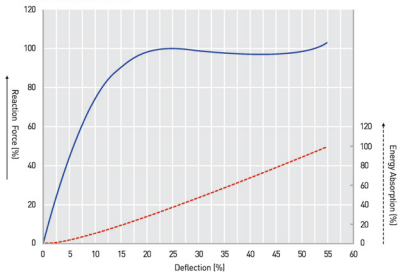
System Fender has a large surface contact area which will absorb a great amount of kinetic energy but will provide a low hull pressure so that the vessel may not be damaged during berthing operations. The System Fender is also used worldwide for large vessels where there's excessive difference between the rise and fall of the tide.

SSP-TYPE FENDER

- **Super spool fender (SSP)** has been improved over the ordinary spool fender at the buckling point and in the shape of the edge of the leg. Its wider dispersion of stress has been corroborated by the FEM (finite element method).
- The wider dispersion of stress makes it possible to increase the design deflection from 45% to 52.5%, resulting in superior performance of the super spool fender, as well as being durable.



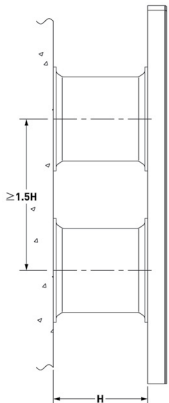
● Performance Curve



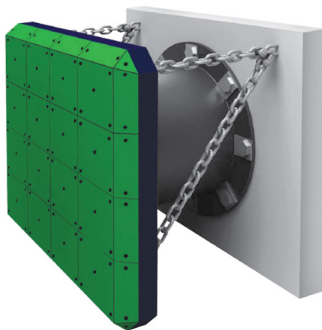
● Performance of Intermediate Deflection

Deflection(%)	R · F(%)	E · A(%)
0	0	0
5	44	3
10	74	9
15	91	18
20	99	29
25	100	40
30	99	51
35	98	62
40	97	73
45	98	84
50	99	95
52.5	100	100
55	104	106

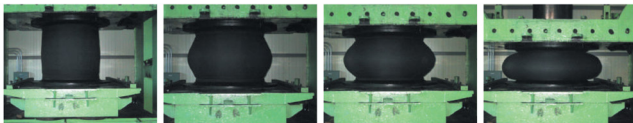
● Clearances



● 3D Model



Compression Test



Deflection 0%

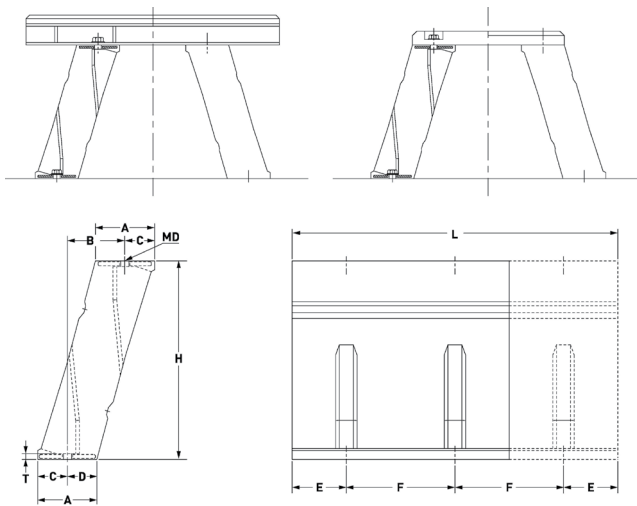
Deflection 15%

Deflection 30%

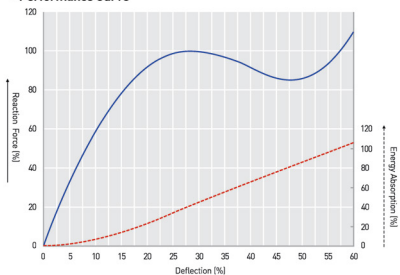
Deflection 52.5%

STR-TYPE FENDER

- **Super TR (STR)** is an improved model from previous TR Fender, developed since highly efficient fender was in need of developing. And, this fender can also be used in a vessel upgrade when there is lack of space for setting up.



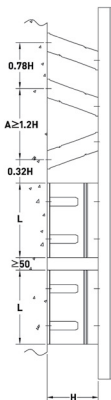
Performance Curve



Performance or Intermediate Detection

Deflection(%)	R - F(%)	E - A(%)
0	0	0
5	32	2
10	60	7
15	79	14
20	92	24
25	99	34
30	100	45
35	97	56
40	92	66
45	86	76
50	85	86
55	94	95
57.5	100	100
60	110	106

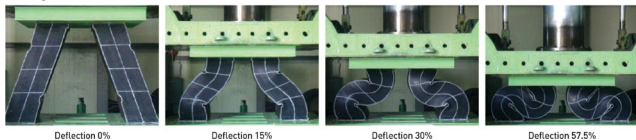
Clearances



3D Model



Compression Test



Deflection 0%

Deflection 15%

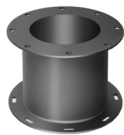
Deflection 30%

Deflection 57.5%

● Dimension

(Unit:mm)

Dimension Height	MD	O.D.	P.C.D.	N-Ø	N-Ø (Slot Hole)	T
300H	M20 (3/4)	400	340	4-25	4-25×35	15
500H	M24 (1)	650	550	4-32	4-32×40	25
630H	M27 (1 1/8)	840	700	4-39	4-39×49	25
650H	M27 (1 1/8)	870	730	4-39	4-39×49	25
800H	M30 (1 1/4)	1050	900	6-40	6-40×50	30
1000H	M36 (1 1/2)	1300	1100	6-47	6-47×58	35
1150H	M42 (1 3/4)	1500	1300	6-50	6-50×65	37
1200H	M42 (1 3/4)	1550	1350	6-53	6-53×65	38
1250H	M42 (1 3/4)	1650	1450	6-53	6-53×65	35
1400H	M48 (2)	1800	1600	6-60	6-60×75	37
1450H	M48 (2)	1850	1650	6-60	6-60×75	37
1600H	M48 (2)	2000	1800	8-60	8-60×75	45
1700H	M56 (2 1/4)	2100	1900	8-66	8-66×80	40
2000H	M64 (2 1/2)	2200	2000	8-74	8-74×95	50
2250H	M64 (2 1/2)	2550	2300	10-74	10-74×95	52
2500H	M64 (2 1/2)	2950	2700	10-74	10-74×95	70



SSP-TYPE FENDER

● Dimension

(Unit:mm)

Dimension Height	MD	T	A	B	C	D	E	F
250H	M20(3/4)	17	80	78	40	40	150	300
300H	M20(3/4)	17	94	93	47	47	150	300
400H	M24(1)	17	125	124	63	62	250	500
500H	M30(1 1/4)	20	158	142	87	71	250	500
600H	M30(1 1/4)	20	188	199	87	101	250	500
750H	M36(1 1/2)	26	235	230	118	117	250	500
800H	M36(1 1/2)	26	250	240	129	121	250	500
1000H	M42(1 3/4)	31	322	310	162	160	250	500
1250H	M48(2)	36	401	388	202	199	250	500
1450H	M48(2)	41	454	445	228	226	250	500
1600H	M56(2 1/4)	50	507	480	261	246	250	500



STR-TYPE FENDER

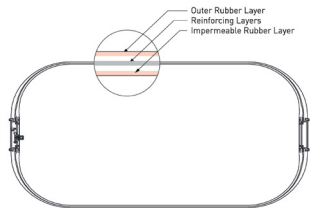
FLOATING FENDERS

Excellent compressibility and elasticity. Unlike the general rubber fender using the elasticity of rubber, this one utilizes the compressibility and elasticity of air. Therefore, the shock absorption rate is substantially upgraded.

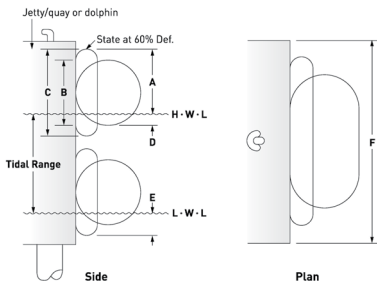
Good buoyancy and simplified handling. Floating fenders are buoyant, and they do their job at best possible position without being affected by tides. Moreover they are much lighter and easier to handle than the conventional solid rubber models due to their hollow construction. Low reaction and high absorption energy fender with low surface pressure. Easy of installation and repair / Maximum permissible service life.

PNEUMATIC FENDER

- Light-weight and easy to handle, **pneumatic fenders** enable the large stand-off required for offshore cargo transfer between tankers or between factory ships and trawlers. Heavy-duty construction withstands both impact and aggressive environments, so that pneumatic fenders are a cost-effective option for intensive long-term use.



● Dimension of Jetty at Installation

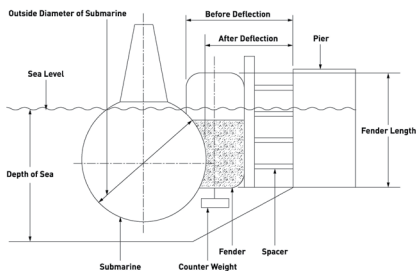


● Installation Dimension

(Unit:mm)

Size	A	B	C	D	E	(F)
1000 \varnothing ×1500L	975	950	1350	200	375	2000
1200 \varnothing ×2000L	1200	1140	1620	220	430	2600
1500 \varnothing ×2500L	1525	1420	2050	250	525	3250
2000 \varnothing ×3500L	2050	1900	2700	300	650	4500
2500 \varnothing ×4000L	2490	2380	3380	450	890	5200
3300 \varnothing ×6500L	3380	3140	4460	500	1080	8500
4500 \varnothing ×9000L	4710	4270	6180	800	1470	12000

● Typical Fender Arrangement for Submarine



● Submarine Type Fender Performance Table (Initial Pressure : 50kPa)

Size	Ø1700×7200L		Ø2000×6000L		Ø2500×5500L		Ø3300×6500L		Ø3300×10600L		Ø4500×9000L	
	60	45	60	45	60	45	60	45	60	45	60	35
Water Ratio(%)	0.0	65.0	0.0	65.0	0.0	65.0	0.0	60.0	0.0	54.5	0.0	65.0
R · F(kN)	1811	611	1764	599	2035	686	3165	1246	5165	1275	5998	2191
E · A(kJ)	561	134	647	155	927	223	1911	615	3116	589	4949	865

FOAM FILLED FENDER

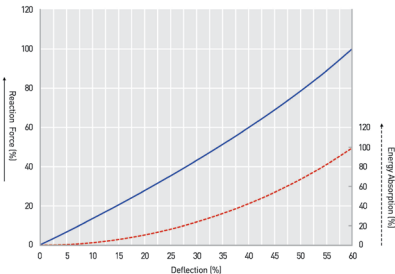
- **Foam filled fender** is appropriate for virtually any type of vessel. A closed cell foam core makes these fenders unsinkable and allows for long maintenance intervals. The core is encased in a heavily reinforced elastomer skin that withstands sunlight, seawater and abrasion. Additional reinforcement for large foam fenders are provided by a standard chain and tire net.

• Performance Table

(Unit:mm)

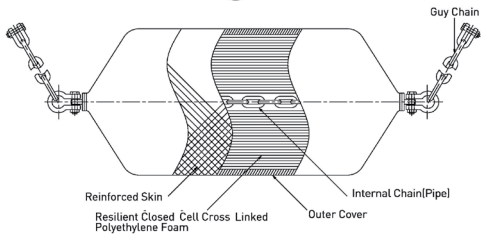
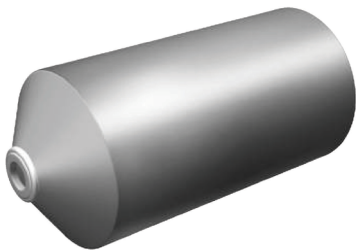
Diameter	700		1000		1200		1350		1500		1700		2000			2500			3000		3300		
Length	1500	2000	1500	2000	2000	2500	2500	2500	3000	3000	3500	4000	4500	4000	4500	5500	4900	6000	4500	6500			
LOW REACTION																							
R-F(kN)	82.3	118	106	153	171	229	253	318	347	370	506	606	694	717	806	1070	906	1376	1011	1641			
E-A(kJ)	17.6	23.5	29.4	41.2	52.9	76.4	88.2	118	141	171	271	323	376	482	541	717	859	1111	900	1452			
STANDARD CAPACITY																							
R-F(kN)	137	196	176	255	284	382	421	529	578	617	843	1009	1156	1196	1343	1784	1509	2293	1686	2734			
E-A(kJ)	29.4	39.2	49.0	68.6	88.2	127	147	196	235	284	451	539	627	804	902	1196	1431	1852	1499	2421			
HIGH CAPACITY																							
R-F(kN)	176	235	225	333	363	451	539	647	755	804	1098	1303	1509	1558	2107	2323	2303	2979	2195	3548			
E-A(kJ)	29.4	49.0	58.8	88.2	118	147	196	235	304	363	588	706	813	1039	1421	1558	1862	2401	1950	3146			
EXTRA HIGH CAPACITY																							
R-F(kN)	255	333	333	480	529	666	794	951	1098	1176	1607	1911	2205	2274	3087	3401	3371	4361	3205	5184			
E-A(kJ)	49.0	68.6	68.6	88.2	127	176	216	284	343	441	539	862	1029	1186	1519	2068	2283	2715	3518	2842	4596		
SUPER HIGH CAPACITY																							
R-F(kN)	343	461	549	657	725	911	1088	1303	1499	1607	2195	2617	3018	3107	4224	4645	4606	5968	4390	7095			
E-A(kJ)	68.6	88.2	127	176	235	294	392	470	608	735	1176	1401	1617	2087	2832	3116	3714	4812	3891	6292			

• Performance Curve



• Performance of Intermediate Deflection

Deflection(%)	R - F(%)	E - A(%)
0	0	0
5	7	1
10	15	3
15	21	6
20	28	10
25	36	16
30	43	24
35	52	32
40	59	42
45	69	54
50	79	68
55	89	83
60	100	100

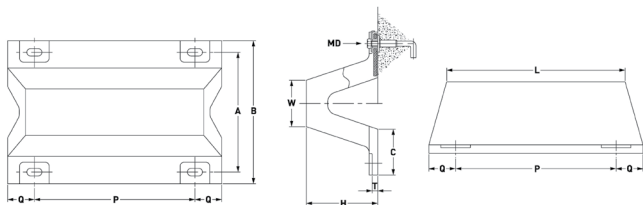


ARCH FENDERS

Arch types are the first buckling type fenders. They are the most versatile fender in the world and reinforced by an embedded steel plate across the entire bottom of the fender. They have been installed at the berthing facilities for various sizes of vessels and have shown satisfactory results after usage for long periods.

AOV-TYPE FENDER

- **AOV fender** is highlighted with its features of high energy absorption, low reaction force. Its arch shape serves well to reduce concentration of stress when the fender is compressed. They are in good quality with four rubber grade. They also have a wide selection of sizes and energy capacities, and equipped with steel mounting plates at the fender bottom and open legs make it easy install fenders at any berthing facility.

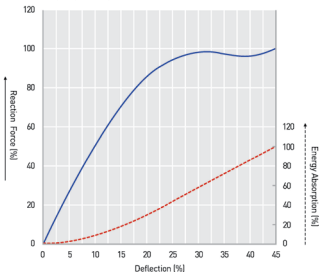


BC-TYPE FENDER

- **BC Fender** has no damage to the paint as well as ship hull due to low face pressure and it is adjustable to any variety of shape with the flexibility. It is easy to install the grooved body with simple chain, wire or rope.



● Performance Curve



● Performance of Intermediate Deflection

Deflection(%)	R • F(%)	E • A(%)
0	0	0
5	26	2
10	50	8
15	69	17
20	85	28
25	96	42
30	100	56
35	97	71
40	96	85
45	100	100

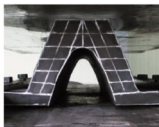
● Performance Table

(1m Length)

Size		150H	200H	250H	300H	400H	500H	600H	800H	1000H
Performance										
R1	R • F(kN)	127.4	176.4	215.6	254.8	343.0	421.4	509.6	676.2	842.8
	E • A(kJ)	5.9	11.8	17.6	25.5	45.1	70.6	101.9	180.3	281.3
RH	R • F(kN)	107.8	147.0	186.2	225.4	294.0	372.4	441.0	588.0	735.0
	E • A(kJ)	4.9	9.8	15.7	22.5	39.2	61.7	88.2	156.8	244.0
RM	R • F(kN)	88.2	117.6	137.2	166.6	225.4	284.2	333.2	450.8	558.6
	E • A(kJ)	3.9	7.8	11.8	16.7	30.4	47.0	66.6	120.5	186.2
RL	R • F(kN)	58.8	78.4	98.0	117.6	156.8	186.2	225.4	303.8	372.4
	E • A(kJ)	2.9	4.9	7.8	11.8	20.6	30.4	45.1	80.4	124.5

- R • F : Reaction Force(kN) - E • A : Energy Absorption(kJ) - Tolerance : $\pm 5\%$ or $\pm 10\%$ - Deflection : 45%

Compression Test



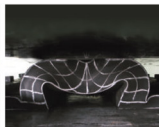
Deflection 0%



Deflection 15%



Deflection 30%



Deflection 45%

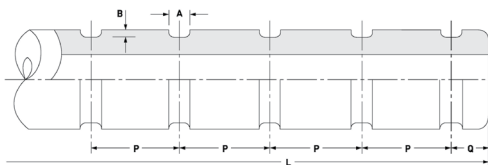
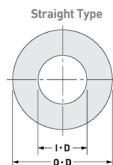
● Dimension

Dimension Height(H)	MD	A	B	C	T	W	1000L		1500L		2000L		2500L		3000L		3500L	
							P	Q	P	Q	P	Q	P	Q	P	Q	P	Q
150H	M22 (7/8)	240	300	96	17	97.5	855	110	675×2	112.5	620×3	107.5	785×3	110	715×4	107.5	671×5	110
200H	M24 (1)	320	400	128	17	130	860	120	680×2	120	620×3	120	785×3	122.5	715×4	120	672×5	120
250H	M27 (1 1/8)	410	500	160	22	162.5	865	130	680×2	132.5	620×3	132.5	790×3	127.5	715×4	132.5	673×5	130
300H	M30 (1 1/4)	490	600	192	23	195	870	140	685×2	140	625×3	137.5	790×3	140	715×4	145	674×5	140
400H	M36 (1 1/2)	670	800	256	31	260	900	150	700×2	150	635×3	147.5	800×3	150	725×4	150	680×5	150
500H	M42 (1 3/4)	840	1,000	320	34	325	930	160	715×2	160	645×3	157.5	810×3	160	730×4	165	686×5	160
600H	M48 (2)	1,010	1,200	384	40	390	960	170	730×2	170	655×3	167.5	820×3	170	740×4	170	692×5	170
800H	M64 (2 1/2)	1,340	1,600	501	45	525	1,040	180	770×2	180	680×3	180	845×3	182.5	760×4	180	-	-
1000H	M64 (2 1/2)	1,680	2,000	640	49	650	1,100	200	800×2	200	700×3	200	865×3	202.5	775×4	200	-	-



AOV-TYPE FENDER

BC-TYPE FENDER

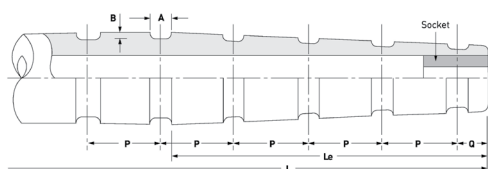


• Dimension (Use:For Side)

(Unit:mm)

Size	Ø100×Ø50	Ø150×Ø75	Ø200×Ø100	Ø250×Ø125	Ø300×Ø150	Ø350×Ø175	Ø400×Ø200	Ø500×Ø250	Ø600×Ø300	Ø700×Ø350
O·D	100	150	200	250	300	350	400	500	600	700
I·D	50	75	100	125	150	175	200	250	300	350
A	30	30	50	50	50	70	70	70	85	85
B	10	10	15	15	15	20	20	30	30	40
P	600-900	600-900	600-900	600-900	600-900	600-900	600-900	600-900	600-900	600-900
Q	100	100	150	150	200	200	200	250	250	300

• Maximum length available is 20m.



Le=1/4L

• Dimension (Use:For Bow and Stern)

(Unit:mm)

Size	Ø200×Ø100	Ø250×Ø125	Ø300×Ø150	Ø350×Ø175	Ø400×Ø200	Ø500×Ø250	Ø600×Ø300	Ø700×Ø350	Ø800×Ø400
D1	200	250	300	350	400	500	600	700	800
D2	150	190	225	260	300	375	450	525	600
D3	100	125	150	175	200	250	300	350	400
A	50	50	50	70	70	70	85	85	85
B	15	15	15	20	20	30	30	40	40
P	600-900	600-900	600-900	600-900	600-900	600-900	600-900	600-900	600-900
Q	150	150	200	200	200	250	250	300	300
Socket	O·D	-	-	-	202	252	303	354	404
	I·D	-	-	-	-	100	100	150	150
	Length	-	-	-	-	300	350	400	400

• Maximum length available is 20m.

CORROSION PROTECTION SYSTEMS

The CCS Wraps:

- Quick one piece installation
- UV - stable
- Abrasion resistant
- Shape and size conforming
- Custom engineered
- Easy inspection remove/refit
- No Hot work permit required
- 10-year warranty



HMPE 12 STRAND ROPES

HMPE 12 strand is the highest strength synthetic rope available. It is manufactured from High Modulus Polyethylene (HMPE) that has been enhanced by Cortland's patented recrystallization process. This process is especially effective in medium to large diameter ropes where strengths are over 50% higher and creep is significantly less than that of standard Spectra® 12 strand.

HMPE 12 strand is delivered standard with a polyurethane finish and is easily spliced using a simple lock-stitch type splice, 4-3-2 or 5-4-3 Tuck Splice. Its soft, torque free braided construction provides easy handling.

Features & Benefits

- Highest strength
- Lowest stretch
- Low creep
- Soft hand
- Torque-free
- Easy splicing
- Floats

Applications

- Replacement for wire rope
- Vessel mooring lines
- Inland river barge lines
- Lifting slings
- Recreational vehicle winch lines
- Utility winch and pulling lines
- Theatrical rigging

Type approved product



	Nominal Diameter		Size (circ in.)	Approximate Weight		Minimum Tensile Strength	
	Inch	MM		Lbs/100ft	Kg/100m	Lbs	Te (tonnes)
12 Strand	0.04	1	0.12	0.05	0.1	270	0.1
	0.05	1.25	0.15	0.07	0.1	390	0.2
	0.06	1.5	0.18	0.1	0.1	475	0.2
	0.07	1.75	0.21	0.14	0.2	750	0.3
	0.1	2.5	0.3	0.27	0.4	1,400	0.6
	1/8	3	3/8	0.54	0.8	2,800	1.3
	3/16	5	9/16	1.12	1.7	5,500	2.5
	1/4	6	3/4	1.6	2.4	8,000	3.6
	5/16	8	15/16	2.5	3.7	11,700	5.3
	3/8	9	1-1/8	3.7	5.5	17,500	7.9

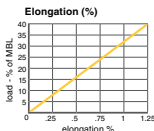
ABS and DNV Type Approved Sizes

12 Strand	7/16	11	1-1/4	4.2	6.3	21,000	9.5
	1/2	12	1-1/2	6.4	9.5	31,300	14.2
	9/16	14	1-3/4	7.9	11.8	37,900	17.2
	5/8	16	2	10.6	15.8	51,400	23.3
	3/4	18	2-1/4	13.3	19.8	68,500	31.1
	13/16	20	2-1/2	15.9	23.7	74,000	33.6
	7/8	22	2-3/4	19.6	29.2	92,600	42.0
	1	24	3	23.4	34.8	110,000	49.9
	1-1/16	26	3-1/4	27.5	40.9	129,200	58.6
	1-1/8	28	3-1/2	31.9	47.5	147,000	66.7
	1-1/4	30	3-3/4	36.2	53.9	165,000	74.9
	1-5/16	32	4	41.7	62.1	196,000	88.9
1-1/2	36	4-1/2	51.7	76.9	221,000	100.3	

Tensile Strengths are determined in accordance with Cordage Institute 1500.2 Test Methods for Fiber Rope. Minimum Tensile Strength (MTS) published assumes spliced eye terminations at each end of the rope. Weights actually calculated at linear density under stated preload (2000Z) plus 4%. Diameter and circumference size published is nominal and reflects rope size after loading (10 cycles) to 50% of MTS. See reverse side for application and safety information. Spectra® is a Trademark of Honeywell.

Specific gravity	.98*
Melting point	284°F (140°C)
Critical temp.	150°F (65°C)
Coefficient of friction	0.09-.012*
Elongation at break	4%-5%
Fiber water absorption	0%
UV resistance	moderate
Wet abrasion	superior
Dry abrasion	superior

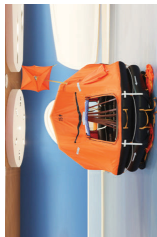
* value based on data supplied by the fiber manufacturer for new, dry fiber



INFLATABLE LIFE RAFTS



KHA Throw-Over Float Case



Type	KHA-6	KHA-10	KHA-15	KHA-20	KHA-25
Physical form	regular octagon		rectangular octagon		
Capacity	6	10	15	20	25
Length ,mm, ±1000	2170	2730	3300	4390	4770
Width, mm, ±1000	2170	2730	3300	3040	3370
Height , mm, ±50	1250	1400	1500	1500	1500
WP pressure, kPa	13.3				
Specification of cylinder	3×2	3×2	5×2	6×2	7×2
Gas volume, g	CO ₂ , ±050	1200	1700	2700	3500
	N ₂ , ±020	100	160	180	240
Container	Dia. (mm)	545	615	675	700
	Length(mm)	1045	1090	1135	1285
Total weight, kg ≤	78	107	137	170	185

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Alixum International Ltd.

We are procurement specialists in the Caribbean region catering to your maritime needs. With over 30 years' experience in the marine industry, we excel in marine procurement and shipbuilding and boatbuilding solutions.

- Ferries
- Passenger/Crew/Supply Vessels
- Workboats
- Interceptor/Patrol Vessels
- Emergency Response Vessels
- Multipurpose Vessels
- Tugboats
- Fender Systems
- Marine Products

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