

# SLING FENDERS



## Sling Fenders – Chart

50 kPa

Size	Energy Absorption	Reaction Force	Weight
Mm	kNm	kN	kg
500 x 1000	6	24	19
700 x 1500	17	137	42
800 x 1500	19	157	48
1000 x 1500	32	182	69
1000 x 2000	45	257	82
1200 x 2000	63	297	95
1500 x 3000	153	579	185
2000 x 3500	308	875	390
2500 x 4000	663	1380	580
2500 x 5500	932	2010	725
3000 x 5000	1050	2030	989
3000 x 6000	1315	2488	1149
3300 x 4500	1180	1885	1110
3300 x 6500	1814	3015	1480
4500 x 6500	3432	4150	2050
4500 x 9000	4752	5747	3490

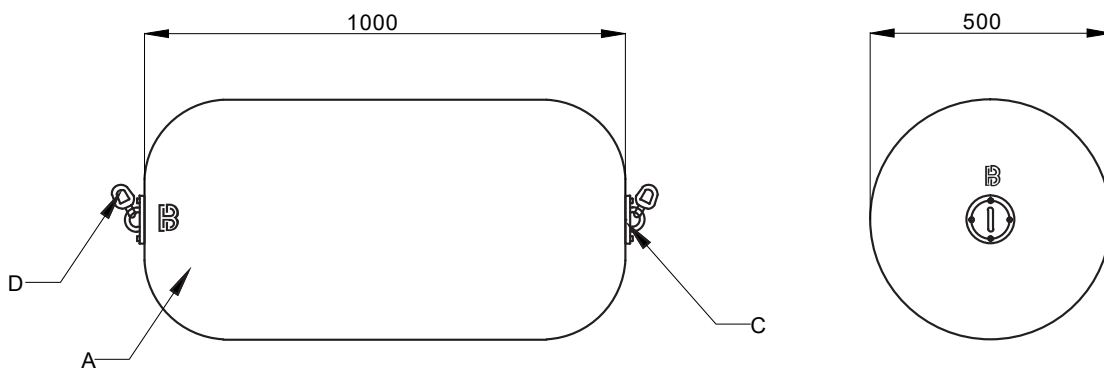
80 kPa

Size	Energy Absorption	Reaction Force	Weight
Mm	kNm	kN	kg
500 x 1000	8	54	24
700 x 1500	21	171	45
800 x 1500	24	196	52
1000 x 1500	40	266	74
1000 x 2000	56	321	87
1200 x 2000	79	371	114
1500 x 3000	191	724	230
2000 x 3500	385	1094	410
2500 x 4000	829	1725	893
2500 x 5500	1165	2513	1135
3000 x 5000	1313	2538	1095
3000 x 6000	1644	3110	1320
3300 x 4500	1640	2647	1538
3300 x 6500	2268	3769	2640
4500 x 6500	4518	4998	3450
4500 x 9000	6633	7551	3960

Performance is calculated at 60% compression. ISO17357-1: 2014



## 500 x 1000 – Sling Fender

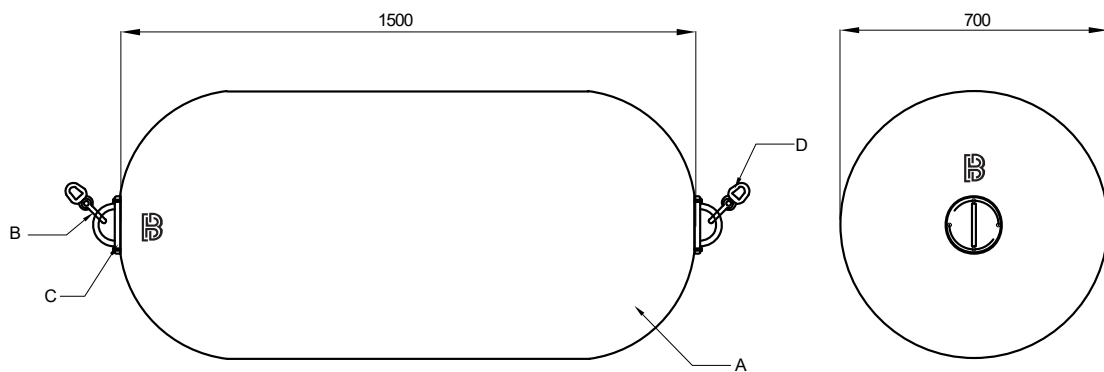


50 kPa	Value	80 kPa	Value
Energy Absorption	6 kNm	Energy Absorption	8 kNm
Reaction Force	24 kN	Reaction Force	54 kN
Weight	19 kgs	Weight	24 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards, and at 60% compression. A size tolerance of 5%, and other possible deviation margins need to be taken in mind.

# Sling Fender – 700 x 1500

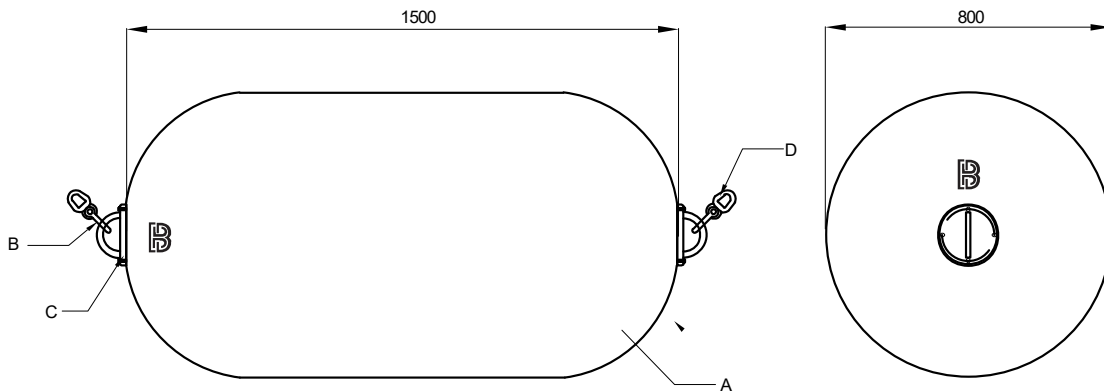


50 kPa	Value	80 kPa	Value
Energy Absorption	17 kNm	Energy Absorption	21 kNm
Reaction Force	137 kN	Reaction Force	171 kN
Weight	42 kgs	Weight	45 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014



## 800 x 1500 – Sling Fender

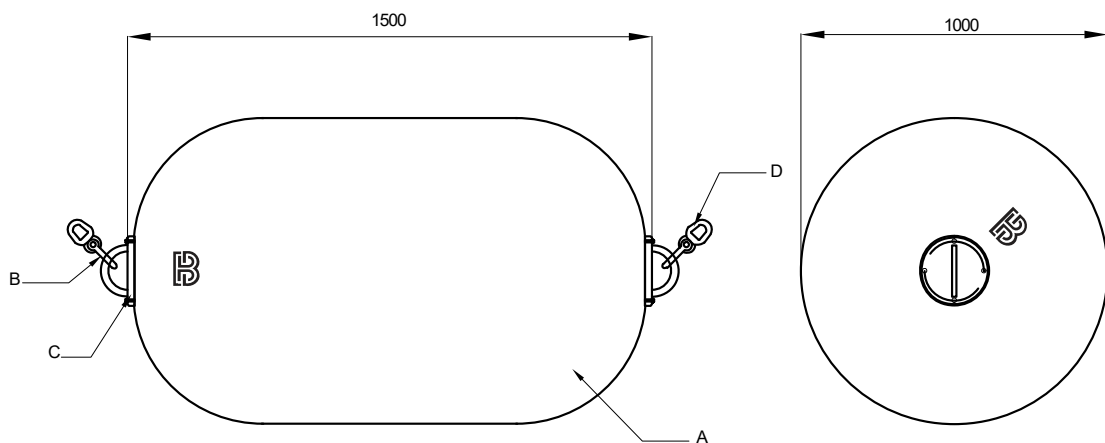


50 kPa	Value	80 kPa	Value
Energy Absorption	19 kNm	Energy Absorption	24 kNm
Reaction Force	157 kN	Reaction Force	196 kN
Weight	48 kgs	Weight	52 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards, and at 60% compression. A size tolerance of 5%, and other possible deviation margins need to be taken in mind.

# Sling Fender – 1000 x 1500

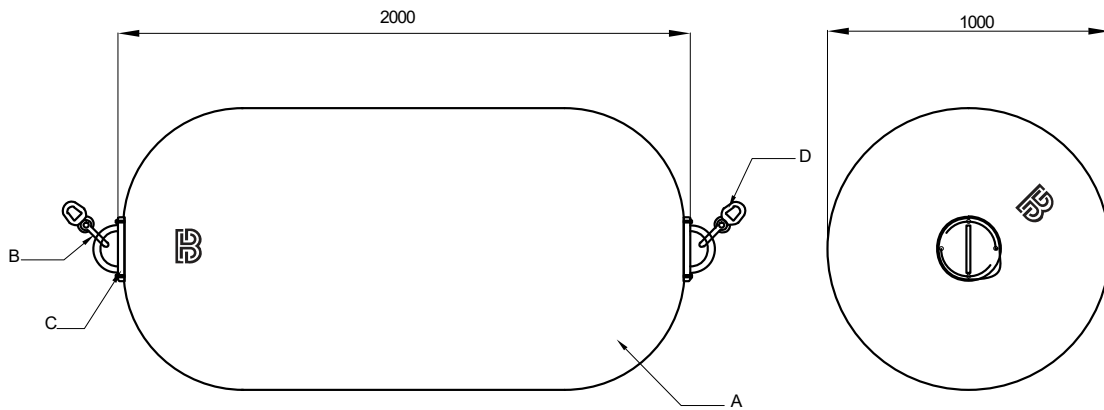


50 kPa	Value	80 kPa	Value
Energy Absorption	32 kNm	Energy Absorption	40 kNm
Reaction Force	182 kN	Reaction Force	266 kN
Weight	69 kgs	Weight	74 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014



## 1000 x 2000 – Sling Fender

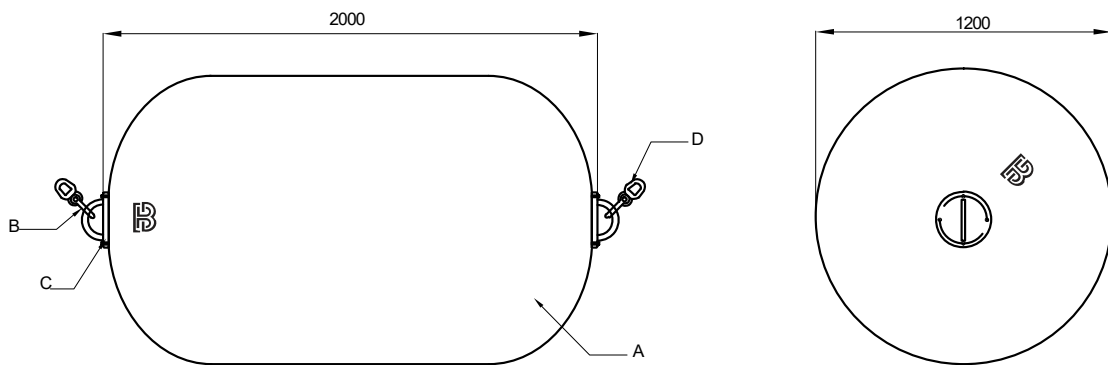


50 kPa	Value	80 kPa	Value
Energy Absorption	45 kNm	Energy Absorption	56 kNm
Reaction Force	257 kN	Reaction Force	321 kN
Weight	82 kgs	Weight	87 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards, and at 60% compression. A size tolerance of 5%, and other possible deviation margins need to be taken in mind.

# Sling Fender – 1200 x 2000



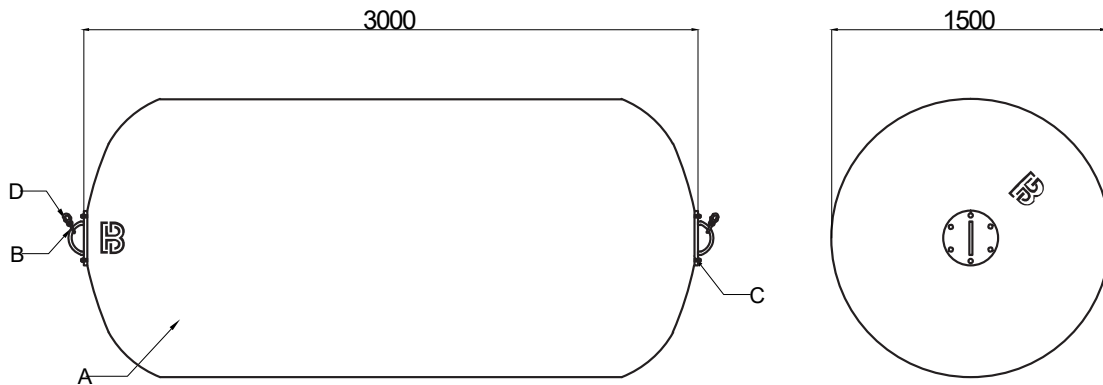
50 kPa	Value	80 kPa	Value
Energy Absorption	63 kNm	Energy Absorption	79 kNm
Reaction Force	297 kN	Reaction Force	371 kN
Weight	95 kgs	Weight	114 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014





## 1500 x 3000 – Sling Fender

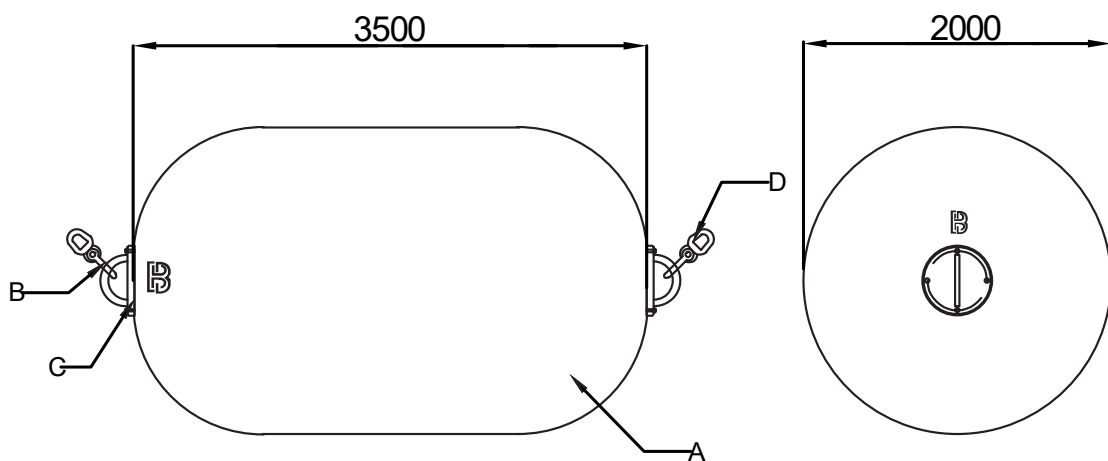


50 kPa	Value	80 kPa	Value
Energy Absorption	153 kNm	Energy Absorption	191 kNm
Reaction Force	579 kN	Reaction Force	724 kN
Weight	185 kgs	Weight	230 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014

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# Sling Fender – 2000 x 3500

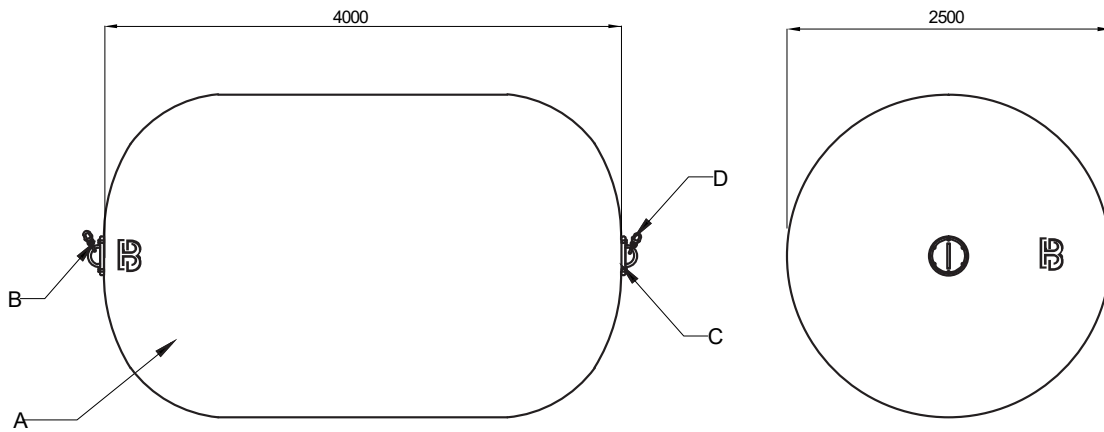


50 kPa	Value	80 kPa	Value
Energy Absorption	308 kNm	Energy Absorption	385 kNm
Reaction Force	875 kN	Reaction Force	1094 kN
Weight	390 kgs	Weight	410 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014



## 2500 x 4000 – Sling Fender

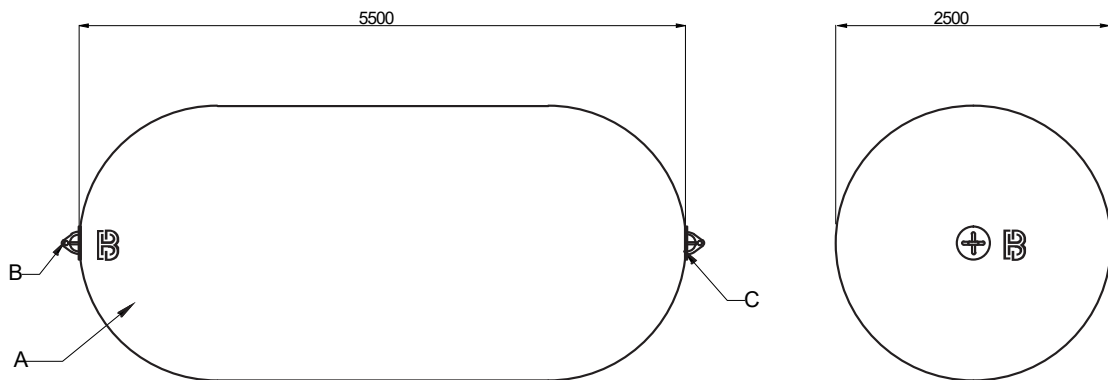


50 kPa	Value	80 kPa	Value
Energy Absorption	663 kNm	Energy Absorption	829 kNm
Reaction Force	1380 kN	Reaction Force	1725 kN
Weight	580 kgs	Weight	893 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards, and at 60% compression. A size tolerance of 5%, and other possible deviation margins need to be taken in mind.

# Sling Fender – 2500 x 5500

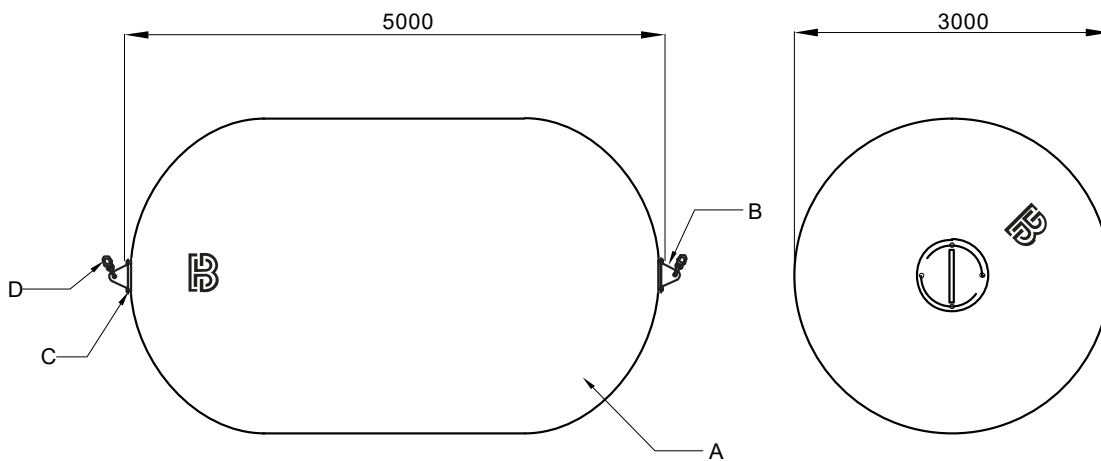


50 kPa	Value	80 kPa	Value
Energy Absorption	932 kNm	Energy Absorption	1165 kNm
Reaction Force	2010 kN	Reaction Force	2513 kN
Weight	725 kgs	Weight	1135 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Flange	B	Flange
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014



## 3000 x 5000 – Sling Fender

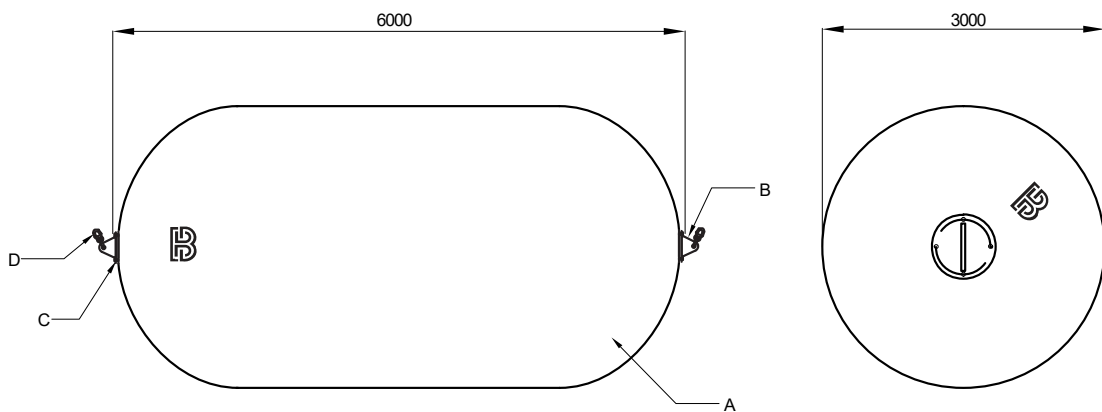


50 kPa	Value	80 kPa	Value
Energy Absorption	1050 kNm	Energy Absorption	1313 kNm
Reaction Force	2030 kN	Reaction Force	2538 kN
Weight	989 kgs	Weight	1095 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Flange	B	Flange
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards, and at 60% compression. A size tolerance of 5%, and other possible deviation margins need to be taken in mind.

# Sling Fender – 3000 x 6000

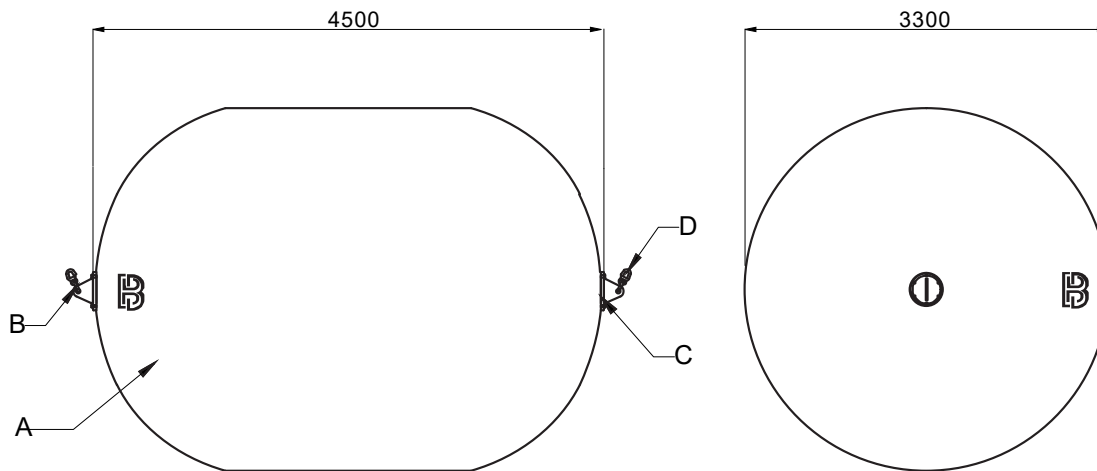


50 kPa	Value	80 kPa	Value
Energy Absorption	1315 kNm	Energy Absorption	1644 kNm
Reaction Force	2488 kN	Reaction Force	3110 kN
Weight	1149 kgs	Weight	1320 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Flange	B	Flange
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014



## 3300 x 4500 – Sling Fender

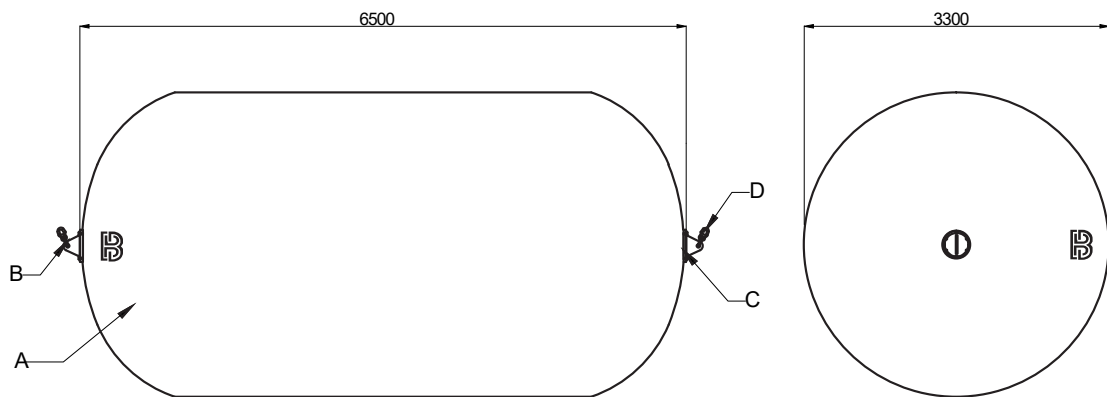


50 kPa	Value	80 kPa	Value
Energy Absorption	1180 kNm	Energy Absorption	1640 kNm
Reaction Force	1885 kN	Reaction Force	2647 kN
Weight	1110 kgs	Weight	1538 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Flange	B	Flange
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards, and at 60% compression. A size tolerance of 5%, and other possible deviation margins need to be taken in mind.

# Sling Fender – 3300 x 6500



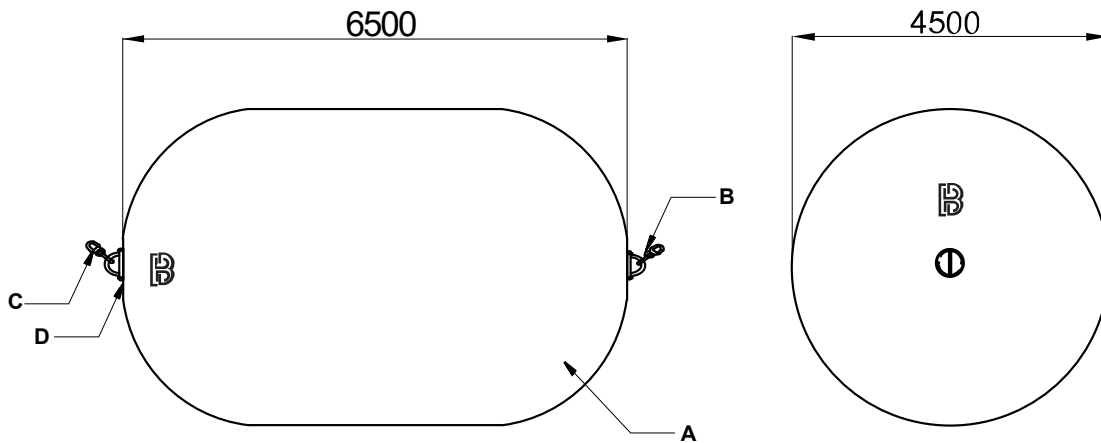
50 kPa	Value	80 kPa	Value
Energy Absorption	1814 kNm	Energy Absorption	2268 kNm
Reaction Force	3015 kN	Reaction Force	3769 kN
Weight	1480 kgs	Weight	2640 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Flange	B	Flange
C	Pull Ring	C	Pull Ring
D	Swivel	D	Swivel

Performance is calculated at 60% compression. ISO17357-1: 2014





## 4500 x 6500 – Sling Fender

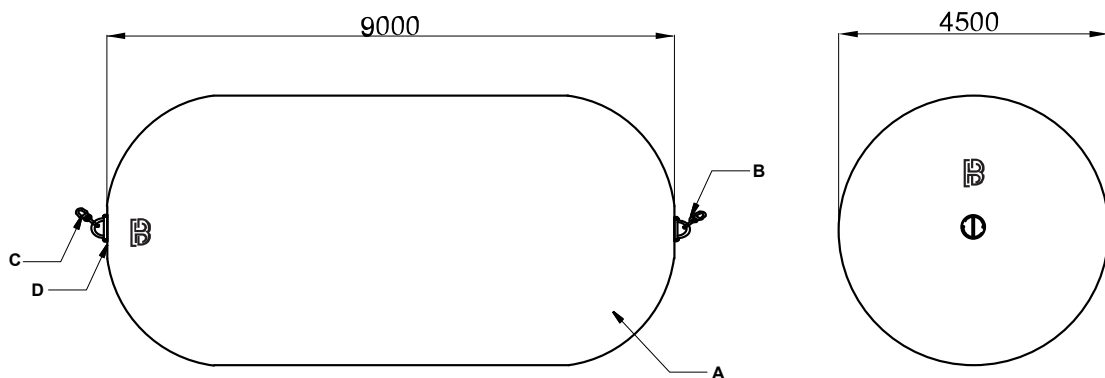


50 kPa	Value	80 kPa	Value
Energy Absorption	3432 kNm	Energy Absorption	4518 kNm
Reaction Force	4150 kN	Reaction Force	4998 kN
Weight	2050 kgs	Weight	3450 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Swivel	C	Swivel
D	Pull Ring	D	Pull Ring

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# Sling Fender – 4500 x 9000



50 kPa	Value	80 kPa	Value
Energy Absorption	4752 kNm	Energy Absorption	6633 kNm
Reaction Force	5747 kN	Reaction Force	7551 kN
Weight	3490 kgs	Weight	3960 kgs
Initial Pressure	50 kPa	Initial Pressure	80 kPa
A	Fender Body (Rubber)	A	Fender Body (Rubber)
B	Shackle	B	Shackle
C	Swivel	C	Swivel
D	Pull Ring	D	Pull Ring

Performance is calculated at 60% compression. ISO17357-1: 2014