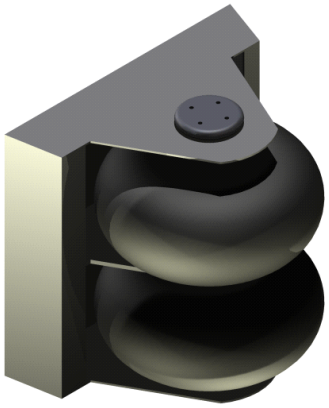
ECR-2 FENFER DATA SHEET

1000.0000-Td-0201len_rev1

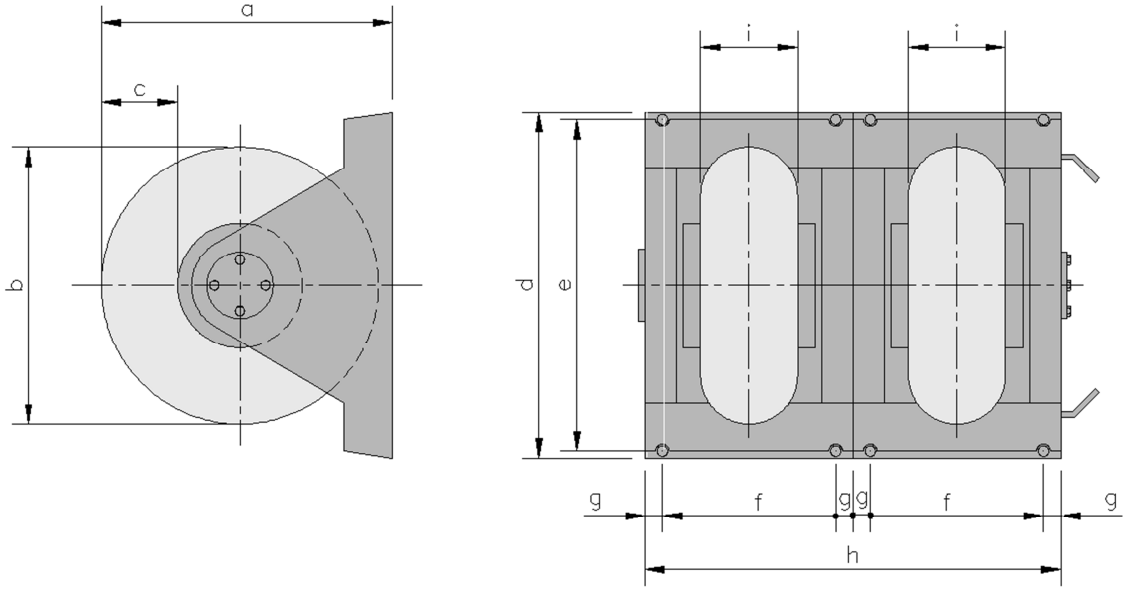
Rev.	Date	Description	Prepared by	Checked by	Approved by
0	06/03/2014	First Issue	BFA	DBL	GEB
1	14/05/2015	General Revision	BFA		GEB

1. ECR-2 FENDERS



Features	Applications
High deformation capacity	All kind of berths (coastal, river, tidal and non-tidal)
Strong and durable design	All types of ships (general cargo, bulk carrier, oil tanker, gas carrier, passenger…)
Low rolling resistance	
Gentle contact face	All exposed corners and entrances

2. DIMENSIONS

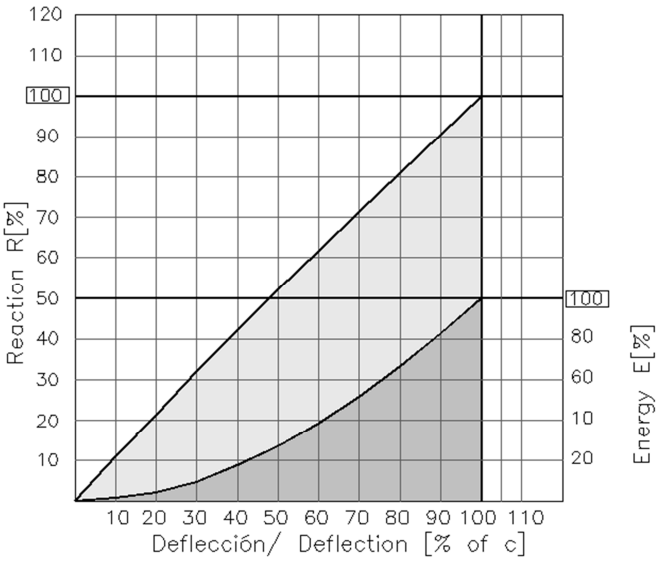


Fender	a	b	c	d	e	f	g	h	i	Weight (kg)	NºAnchors/ Metric
ECR-2-600	620	600	125	695	590	300	40	770	200	287	8xM.22
ECR-2-750	775	750	160	870	750	375	40	935	250	708	8xM.22
ECR-2-900	930	900	184	1040	900	450	60	1120	300	1129	8xM.30
ECR-2-1200	120	1200	260	1380	1250	600	80	1500	400	1970	8xM.30
ECR-2-1500	1550	1500	324	1740	1550	750	100	1850	500	2811	8xM.36
ECR-2-1800	1860	1800	392	2080	1800	900	125	2215	600	3652	4xM.42
ECR-2-2100	2205	2100	455	2440	2200	1050	150	2590	700	4493	8xM.48
ECR-2-2400	2480	2400	511	2770	2500	1180	175	2950	800	5334	8xM.56
ECR-2-2700	2790	2700	580	3130	2900	1330	200	3320	900	6175	8xM.60
ECR-2-3000	3100	3000	640	3480	3200	1470	225	3685	1000	7016	8xM.64

All dimension in mm unless otherwise specified.

3. NOMINAL FENDER PERFORMANCE*

Fender		Grade A
ECR-2-600	R	136
	E	4.8
	D	125
ECR-2-750	R	215
	E	9.45
	D	160
ECR-2-900	R	310
	E	16
	D	184
ECR-2-1200	R	550
	E	39.5
	D	260
ECR-2-1500	R	858
	E	76.8
	D	324
ECR-2-1800	R	1242
	E	135
	D	392
ECR-2-2100	R	1677
	E	207
	D	455
ECR-2-2400	R	2200
	E	285
	D	511
ECR-2-2700	R	2778
	E	447
	D	580
ECR-2-3000	R	3400
	E	615
	D	640



Also available other grades.

Intermediate deflections											
D (%)	0	10	20	30	40	50	60	70	80	90	**100**
R (%)	0	11	21	32	42	52	62	71	81	91	100
E (%)	0	2	4	10	18	27	39	52	67	83	100

All dimension in mm, kN or kNxm unless otherwise specified.
* (E) Energy [kNxm] and (R) Reaction [kN] values according to PIANC 2002

4. TOLERANCES

Dimension	Tolerances
General dimensions	±3% or 2mm*
Distances between fixing centres	±4mm (Non-cumulative)
Flange thickness	±15mm
Diameters of the fixing points	±5mm
Energy performance	±10%
Reaction performance	±10%

* Whichever is the greater dimension.