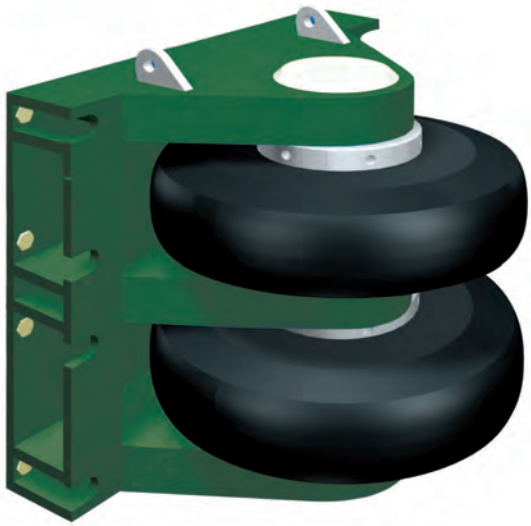
Solid Fender

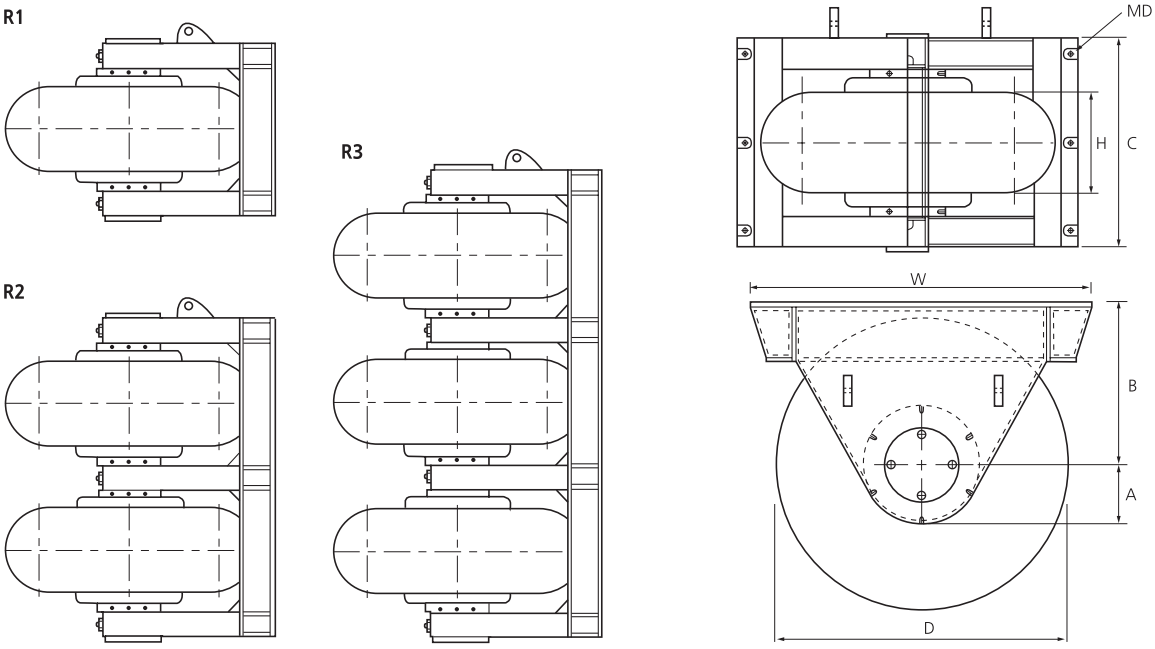
Roller Fender(YRF)



Feature

1. The fixed axle roller is an effective fender suitable for high reactive loads with moderated deflection, and limited kinetic energy absorption characteristics.
2. It is designed specifically for assisting in maneuvering vessels in confined spaces such as dry docks and pontoon.
3. Units of this type are installed in building and dry docks which are in exposed conditions.
4. With a pattern of simple rollers, the ships are allowed to positively contact one fenders, and the ship can then be rolled out safely with very little friction resistance.

Drawing



Dimension

Unit : mm

Type / Size	MD	Roller Fender		Frame					
		D	H	A	B	W	R1-C	R2-C	R3-C
YRF R600	M22(7/8")	600	200	110	320	695	420	770	1120
YRF R750	M22(7/8")	750	250	140	400	870	510	935	1360
YRF R900	M24(1")	900	300	165	480	1040	610	1120	1630
YRF R1200	M27(1 1/8")	1200	400	220	640	1380	820	1500	2180
YRF R1500	M30(1 1/4")	1500	500	275	800	1740	1010	1850	2690
YRF R1800	M36(1 1/2")	1800	600	330	960	2080	1210	2215	3220
YRF R2100	M42(1 3/4")	2100	700	385	1155	2440	1410	2590	3770
YRF R2400	M48(2")	2400	800	440	1280	2770	1610	2950	4290
YRF R2700	M56(2 1/4")	2700	900	495	1440	3130	1810	3300	4790
YRF R3000	M64(2 1/2")	3000	1000	550	1600	3480	2010	3660	5310

Notes
- Above detail dimension of components can be changed depending on owner specification and local environment condition.
- Detail dimension will be guided by our drawing and specification.

Performace Table

·Tolerance : ±10%

Size		R600	R750	R900	R1200	R1500	R1800	R2100	R2400	R2700	R3000
Deflection(mm) / Performance		125	157	185	260	325	390	455	510	578	640
R1	R·F(kN)	68.6	107.8	147	264.6	421.4	607.6	823.2	1078	1362.2	1675.8
	E·A(kN-m)	2.94	4.9	7.84	19.6	38.22	66.64	107.8	156.8	225.4	303.8
R2	R·F(kN)	137.2	215.6	294	529.2	842.8	1215.2	1646.4	2156	2724.4	3351.6
	E·A(kN-m)	4.9	9.8	16.66	39.2	76.44	137.2	205.8	313.6	450.8	607.6
R3	R·F(kN)	205.8	323.4	441	793.8	1264.2	1822.8	2469.6	3234	4086.6	5027.4
	E·A(kN-m)	7.84	14.7	24.5	58.8	117.6	196	313.6	470.4	666.4	921.2

Notes
- Above detail performance of components can be changed depending on owner specification and local environment condition.
- Detail performance will be guided by our drawing and specification.