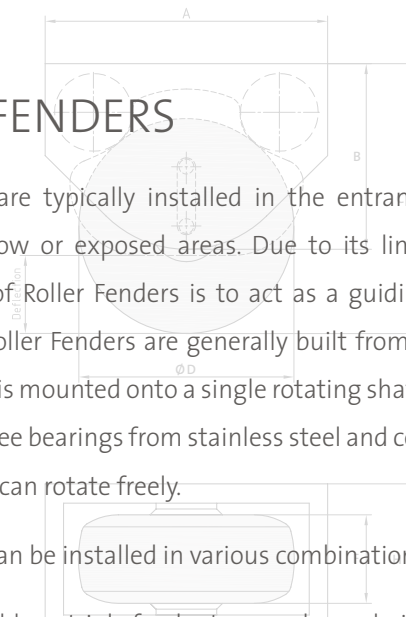




## ROLLER FENDERS

Roller Fenders are typically installed in the entrance areas of locks, dry docks and other narrow or exposed areas. Due to its limited energy absorption, the main purpose of Roller Fenders is to act as a guiding system for a smooth and safe passage. Roller Fenders are generally built from an energy absorbing elastomer ring which is mounted onto a single rotating shaft. This unit is assembled with maintenance-free bearings from stainless steel and composite material into a steel casing where it can rotate freely.

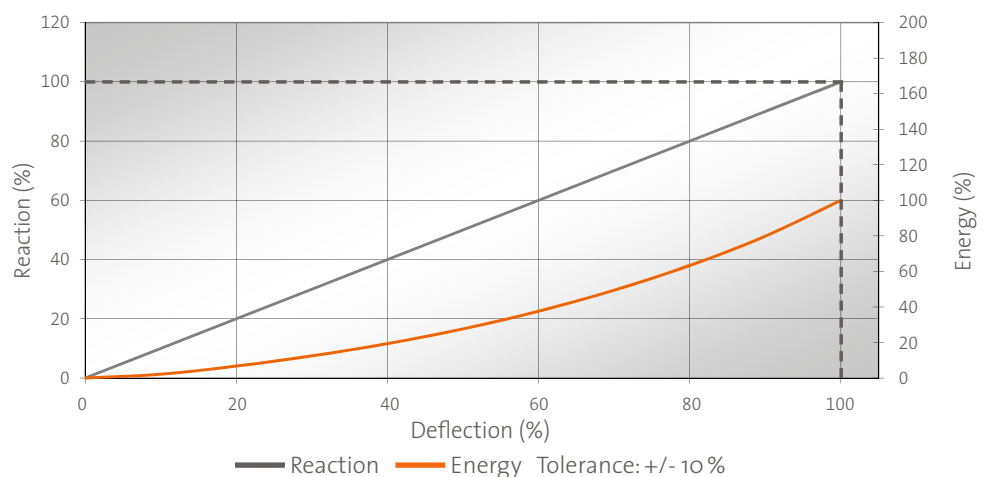


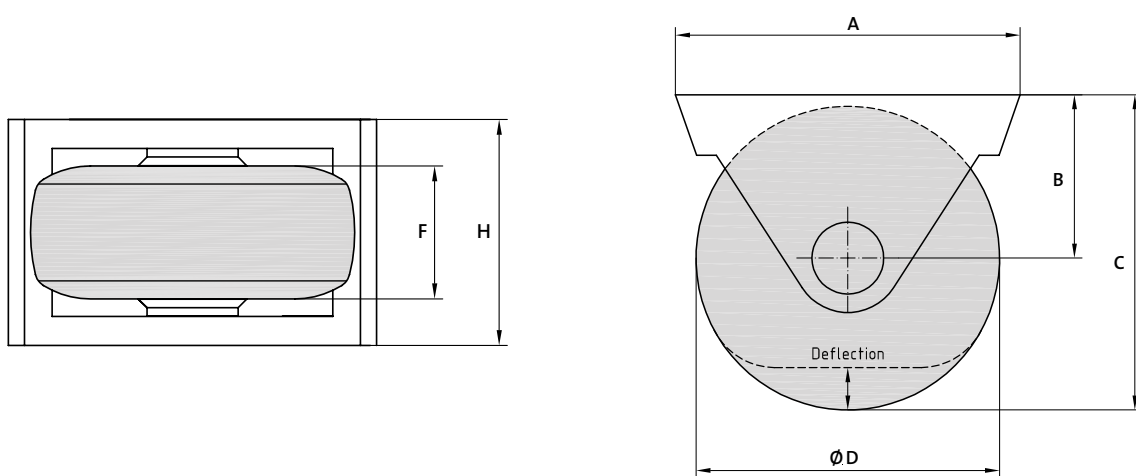
Roller Fenders can be installed in various combination such as

- ▶ Stacked double or triple fender to cover larger heights in tidal areas
- ▶ Side by side to guide the vessel through a narrow passage
- ▶ Installed with an angle to cater for flare angles in the vessel hull

Selection of the appropriate type, size and casing is dependant on the specific project requirements. Despite standard tyre and roller dimensions, each fender is a tailored system. Please contact us for assistance.

### GENERIC PERFORMANCE CURVE ROLLER FENDERS





**ROLLER FENDER DIMENSIONS**

Fender	A [mm]	B [mm]	C [mm]	Ø D [mm]	H [mm]	F [mm]
RF 110 x 45	1250	610	1150	1080	800	460
RF 130 x 50	1530	740	1400	1320	950	510
RF 140 x 60	1600	765	1450	1370	1000	610
RF 175 x 70	2050	975	1850	1750	1250	690
RF 200 x 75	2300	1110	2100	1980	1400	765
RF 250 x 100	3000	1425	2700	2550	1800	895

Above mentioned dimensions are indicative and may change during final design process. Tolerance +/- 10%

**ROLLER FENDER PERFORMANCE**

Fender	Energy [kJm]	Reaction [kN]	Deflection [mm]	Pressure [bar]
RF 110 x 45	13	175	152	5.5
RF 130 x 50	22	200	230	3.5
RF 140 x 60	20	210	205	3.5
RF 175 x 70	37	345	225	4.8
RF 200 x 75	100	765	270	5.5
RF 250 x 100	170	1000	345	5.5

Above mentioned dimensions are indicative and may change during final design process. Tolerance +/- 10%