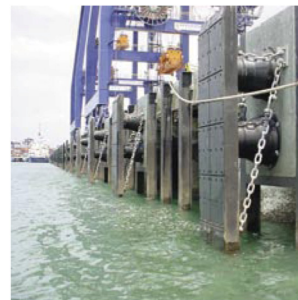


Conical Fenders

They are the latest generation of cell fenders, with optimal performance and efficiency. The conical body makes them more stable even at large angles of compression.

Conical fenders can be installed with an optional panel that reduces the coefficient of friction and makes them more resistant to pressure.

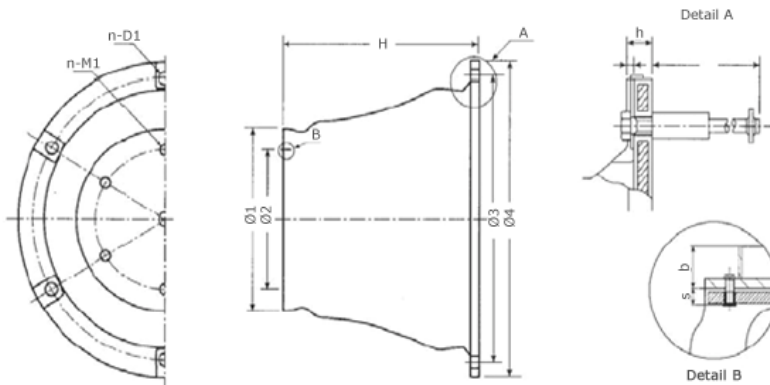


FEATURES

- The third generation product of cell fender with more reasonable structure, increased deflection, high energy absorption and longer service time.
 - Better performance in angular compression which will not reduce below 10° loading.
 - Versatile specifications meet numerous design requirements.
 - Versatile performance are available by adjusting compound formulation.
 - Front panel and coating can be installed in the front to reduce the coefficient of friction, avoiding damages to the vessels hulls.
 - Easy and fast installation.
- Tensile strength ≥ 16 Mpa.
 - Elongation at break point $\geq 300\%$.
 - Compression set (70°C, 22h, 20%) $\leq 30\%$.
 - Hardness (Shore A) ≤ 80 degree.
 - Tear resistance ≥ 70 N/mm
 - Ozone resistance (50pphm* at 40°C, at 20° strain at 96 horas): No cracking visible.
 - Abrasion resistance $\leq 0,5$ cm³.
 - Bond strength of steel to rubber ≥ 7 N/mm.
 - Hot air aging (70°C, 96h) $\leq 20\%$.

*Parts per Hundred Million

Conical Fenders



Our products are manufactured from the high quality nature rubber and other Styrene Butadiene based compounds (SBR).

Specifications	H	h	D ₁	D ₂	D ₃	D ₄	n	D1	Md	a	b	s
CONE 500	500	25	425	325	675	750	4	30	M24	4	75~95	36
CONE 600	600	27	510	390	810	900	6	30	M24	5	90~110	40
CONE 700	700	32	595	455	945	1,050	6	38	M30	6	105~125	40
CONE 800	800	36	680	520	1,080	1,200	6	44	M36	7	120~140	52
CONE 900	900	41	765	585	1,215	1,350	6	44	M36	8	135~155	55
CONE 1000	1,000	45	850	650	1,350	1,500	6	56	M42	8	150~170	65
CONE 1100	1,100	50	935	715	1,485	1,650	6	50	M42	8	165~185	65
CONE 1150	1,150	52	998	750	1,550	1,725	6	56	M42	10	170~195	70
CONE 1200	1,200	54	1,020	780	1,620	1,800	8	50	M42	10	180~210	75
CONE 1300	1,300	59	1,105	845	1,755	1,950	8	60	M48	11	195~225	75
CONE 1400	1,400	66	1,190	930	1,890	2,100	8	60	M48	12	210~235	70~80
CONE 1600	1,600	72	1,360	1,060	2,160	2,400	8	70	M48	14	280~270	70~80
CONE 1800	1,800	78	1,530	1,190	2,430	2,700	10	76	M56	16	270~290	70~90

Note: Units in mm

Type	Deflection—70%							
	Performance (Reaction Force)							
	Low (RL)		Standard (RO)		High (RH)		Super High 1 (RS)	
	F	E	F	E	F	E	F	E
CONE 500	165	37	200	47	268	63	335	79
CONE 600	225	75	283	94	382	127	480	157
CONE 700	308	120	384	150	522	181	652	235
CONE 800	402	179	502	224	706	294	862	368
CONE 900	508	255	635	306	862	399	1,078	494
CONE 1000	628	350	784	437	1,076	541	1,339	669
CONE 1100	800	408	927	4,395	1,146	650	1,430	830
CONE 1150	830	532	1,038	666	1,392	882	1,764	1,029
CONE 1200	890	560	1,106	705	1,396	882	1,746	1,103
CONE 1300	1,125	750	1,320	1,043	1,705	1,310	2,125	1,585
CONE 1400	1,150	860	1,443	1,079	1,804	1,349	2,255	1,686
CONE 1600	1,418	1,234	1,714	1,548	2,268	1,935	3,024	2,419
CONE 1800	1,912	1,804	2,401	2,264	3,000	2,830	3,750	3,538

Performance tolerance: ±10% | Reaction force: F(KN) | Energy absorption: E(KN-M)