



AJ-SUC CELL FENDER

AJ-SUC cell fenders are the most durable rubber fenders available and are currently the largest moulded fenders made. Among all types of fenders, cell fenders offer minimum reaction per ton-meter energy absorbed. The very geometrical shape gives it sturdiness, shear resistance, compact structure and the capacity to absorb energy equally from all directions. AJ cell type fenders are available in the widest range of sizes.

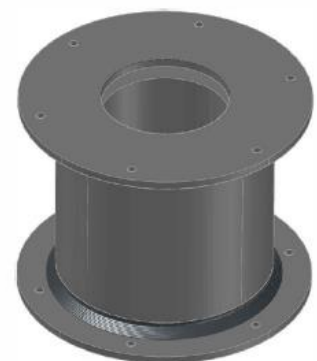
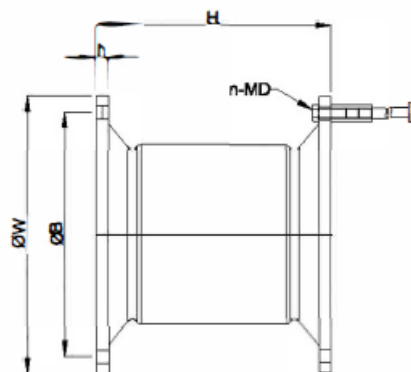
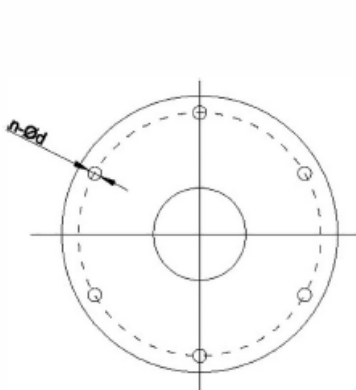
The fender front is provided with anti-punching steel frame, so as to greatly reduce the surface pressure acting on the side plate of the ship. According to the needs, the surface pressure can reach to 25 tons/m², especially suitable for the berthing of thousands of large ships.

High reaction energy absorption, Especially suitable for the needs of offshore docks.

PE panel is installed in front of anti-punching steel frame to reduce friction coefficient and greatly reduce berthing shear force.

AJ-SUC Cell Fender Dimension

Type	H (mm)	φW (mm)	φB (mm)	h (mm)	d (mm)	n-MD	Weight (kg)
AJ-SUC400H	400	650	550	25	30	4-M22	78
AJ-SUC500H	500	650	550	25	32	4-M24	110
AJ-SUC630H	630	840	700	30	39	4-M30	230
AJ-SUC800H	800	1050	900	30	40	6-M33	410
AJ-SUC1000H	1000	1300	1100	35	47	6-M39	820
AJ-SUC1150H	1150	1500	1300	40	50	6-M42	1215
AJ-SUC1250H	1250	1650	1450	45	53	6-M45	1490
AJ-SUC1450H	1450	1850	1650	47	61	6-M52	2330
AJ-SUC1600H	1600	2000	1800	50	61	8-M52	3020
AJ-SUC1700H	1700	2100	1900	55	66	8-M56	3730
AJ-SUC2000H	2000	2200	2000	55	74	8-M64	5260
AJ-SUC2250H	2250	2550	2300	60	74	10-M64	7450
AJ-SC2500H	2500	2950	2700	70	74	10-M64	10750
AJ-SC3000H	3000	3350	3150	85	90	12-M76	18600

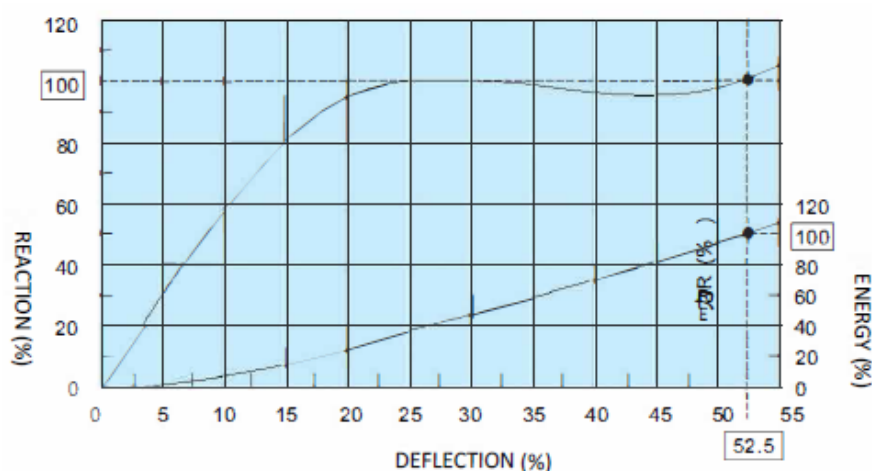




Reaction/Energy Performance

REACTION R:KN ENERGY E:KNm		RL GRADE		RO GRADE		RH GRADE		RS GRADE		RE GRADE	
		Design deflection 52.5%	Max Deflection 55%	Design deflection 52.5%	Max Deflection 55%	Design deflection 52.5%	Max Deflection 55%	Design deflection 52.5%	Max Deflection 55%	Design deflection 52.5%	Max Deflection 55%
AJ-SUC400H	R	51	59	64	75	83	97	96	112	110	125
	E	9	9.5	11	12	14	15	17	18	19	21
AJ-SUC500H	R	86	99	108	125	140	160	162	187	182	210
	E	18	19	23	25	30	32	36	38	40	43
AJ-SUC630H	R	138	147	172	182	224	237	258	274	290	309
	E	38	40	48	50	62	67	72	76	80	85
AJ-SUC800H	R	211	225	275	292	355	378	412	437	464	493
	E	75	78	98	102	125	132	145	153	163	173
AJ-SUC1000H	R	349	372	436	463	567	603	655	696	737	784
	E	153	163	195	203	249	264	287	304	324	343
AJ-SUC1150H	R	462	491	578	614	750	798	865	920	975	1037
	E	233	247	297	309	379	401	437	463	492	521
AJ-SUC1250H	R	546	581	682	725	886	942	1022	1087	1153	1225
	E	299	316	382	396	486	516	561	594	632	669
AJ-SUC1450H	R	735	781	918	976	1193	1269	1376	1464	1551	1649
	E	468	495	596	619	760	804	876	928	987	1045
AJ-SUC1600H	R	894	950	1117	1189	1453	1544	1676	1781	1888	2007
	E	628	665	801	832	1020	1080	1177	1247	1326	1405
AJ-SUC1700H	R	1009	1073	1262	1342	1640	1743	1892	2012	2131	2266
	E	753	798	960	997	1224	1300	1413	1495	1591	1685
AJ-SUC2000H	R	1398	1485	1746	1856	2270	2413	2619	2783	2941	3136
	E	1227	1299	1564	1624	1994	2111	2300	2435	2591	2743
AJ-SUC2250H	R	2085	2216	2454	2607	3188	3390	3679	3911	4145	4406
	E	2060	2180	2472	2566	3150	3336	3628	3848	4095	4337
AJ-SUC2500H	R	2574	2737	3028	3220	3937	4182	4543	4829	5118	5441
	E	2826	2992	3391	3520	4322	4576	4987	5280	5618	5949
AJ-SUC3000H	R			3750	4217	4482	5099				
	E			4300	4635	5160	5510				

Deflection curve





Typical Installations

