



AJ-DA ARCH FENDER

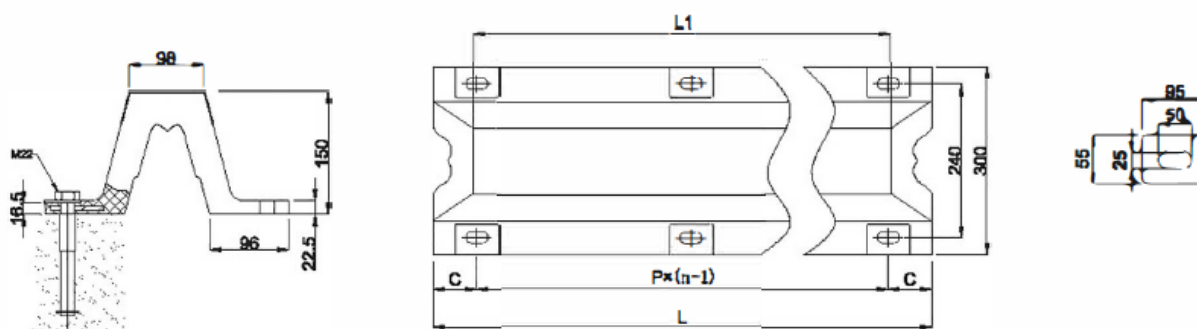
AJ-DA arch fenders were introduced to improve upon the performance of cylindrical fenders. Arch fenders have a better Energy / Reaction force ratio and are recommended for all types of applications. Surface can be designed with PE anti-force panel to protect the fender

Very robust, durable and require low maintenance, provide high shear resistance in the longitudinal direction. Very easy to install both vertically and horizontally.

Particularly useful for vessels with high allowable hull pressures and for locations where mounting space is limited, most suitable for Multi-Purpose-Terminals.

AJ-DA-A150 Dimension

TYPE	C	P	L1	L	n	WEIGHT (KG)
AJ-DA-A150*1000	110	855	1000	1075	2	37
AJ-DA-A150*1500	112.5	675	1500	1575	3	56
AJ-DA-A150*2000	107.5	620	2000	2075	4	73
AJ-DA-A150*2500	110	785	2500	2575	4	91
AJ-DA-A150*3000	107.5	715	3000	3075	5	108
AJ-DA-A150*3500	110	671	3500	3575	6	126



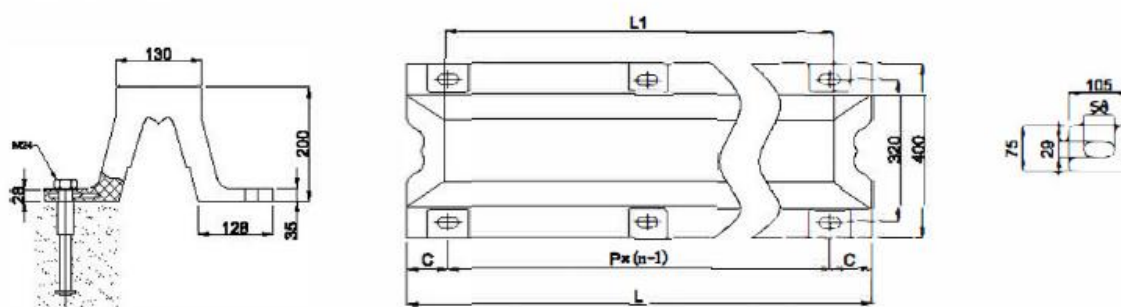
AJ-DA-A150 Reaction/Energy Performance

Reaction R:KN Energy E:KNm	RL Grade		RO Grade		RH Grade		RS Grade	
	Design Deflection 45%	Max Deflection 50%	Design Deflection 45%	Max Deflection 50%	Design Deflection 45%	Max Deflection 50%	Design Deflection 45%	Max Deflection 50%
AJ-DA-A150*1000 ^R _E	56	76	84	113	112	151	129	174
	3	4	4	5	6	7	7	8
AJ-DA-A150*1500 ^R _E	84	114	126	170	168	227	194	261
	5	6	6	8	9	11	11	12
AJ-DA-A150*2000 ^R _E	112	152	168	226	221	302	258	348
	6	7	8	10	12	14	14	16
AJ-DA-A150*2500 ^R _E	140	190	211	283	280	378	323	435
	8	9	10	13	15	18	18	20
AJ-DA-A150*3000 ^R _E	168	228	252	339	336	453	387	522
	9	10	12	15	18	21	21	24
AJ-DA-A150*3500 ^R _E	196	266	294	396	392	529	452	609
	11	12	14	18	21	25	25	28



AJ-DA-A200 Dimension

TYPE	C	P	L ₁	L	n	WEIGHT (KG)
AJ-DA-A200*1000	120	860	1000	1100	2	62
AJ-DA-A200*1500	120	680	1500	1600	3	91
AJ-DA-A200*2000	120	620	2000	2100	4	122
AJ-DA-A200*2500	122.5	785	2500	2600	4	151
AJ-DA-A200*3000	120	715	3000	3100	5	180
AJ-DA-A200*3500	120	672	3500	3600	6	210



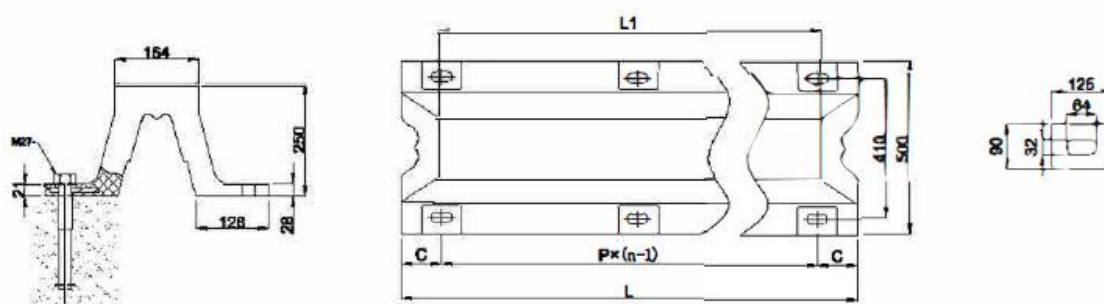
AJ-DA-A200 Reaction/Energy Performance

Reaction R:KN Energy E:KNm		RL Grade		RO Grade		RH Grade		RS 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%
AJ-DA-A200*1000	R E	76 6	104 7	113 10	153 11	151 12	204 13	174 14	234 15
AJ-DA-A200*1500	R E	114 9	155 11	170 16	230 17	227 18	306 20	260 21	331 23
AJ-DA-A200*2000	R E	151 12	207 14	226 20	307 22	302 24	407 26	347 28	469 30
AJ-DA-A200*2500	R E	189 15	258 18	283 26	38 28	378 30	509 33	434 35	586 38
AJ-DA-A200*3000	R E	227 18	311 21	339 31	460 33	453 37	453 37	520 42	703 45
AJ-DA-A200*3500	R E	265 21	362 25	396 36	537 39	528 43	713 33	607 49	820 53



AJ-DA-A250 Dimension

TYPE	C	P	L1	L	n	WEIGHT (KG)
AJ-DA-A250*1000	130	865	1000	1125	2	85
AJ-DA-A250*1500	132.5	680	1500	1625	3	130
AJ-DA-A250*2000	132.5	620	2000	2125	4	170
AJ-DA-A250*2500	127.5	790	2500	2625	4	225
AJ-DA-A250*3000	132.5	715	3000	3125	5	270
AJ-DA-A250*3500	120	673	3500	3625	6	310



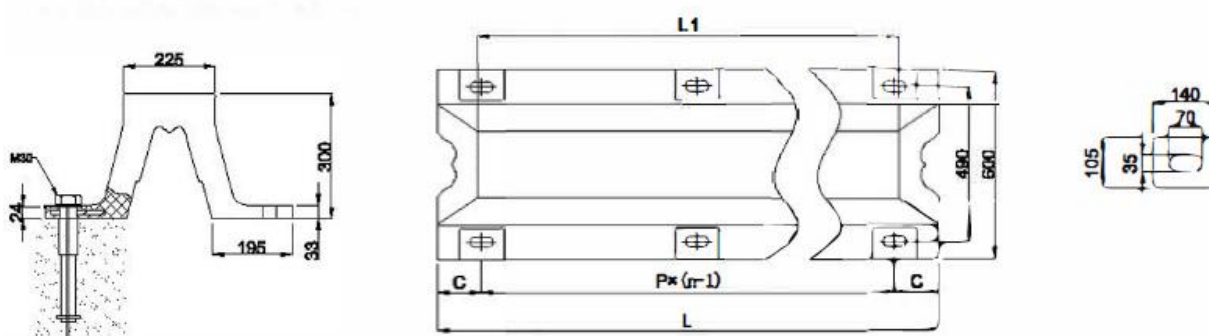
AJ-DA-A250 Reaction/Energy Performance

Reaction R:KN Energy E:KNm	RL Grade		R0 Grade		RH Grade		RS 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%
AJ-DA-A250*1000 R E	148 16	205 17	172 18	237 19	208 22	288 23	270 28	375 30
AJ-DA-A250*1500 R E	222 24	308 26	258 27	359 29	312 33	432 35	405 42	563 45
AJ-DA-A250*2000 R E	296 32	410 34	344 36	478 38	416 44	576 46	540 56	750 60
AJ-DA-A250*2500 R E	370 40	513 43	430 45	598 48	520 58	720 58	675 70	938 75
AJ-DA-A250*3000 R E	444 48	616 51	516 54	718 57	624 66	864 69	810 84	1125 90
AJ-DA-A250*3500 R E	518 56	718 60	602 63	837 67	728 77	1008 81	945 98	1313 105



AJ-DA-A300 Dimension

TYPE	C	P	L1	L	n	WEIGHT (KG)
AJ-DA-A300*1000	140	870	1000	1150	2	125
AJ-DA-A300*1500	140	685	1500	1650	3	178
AJ-DA-A300*2000	137.5	625	2000	2150	4	233
AJ-DA-A300*2500	140	790	2500	2650	4	308
AJ-DA-A300*3000	145	715	3000	3150	5	370
AJ-DA-A300*3500	140	674	3500	3650	6	435

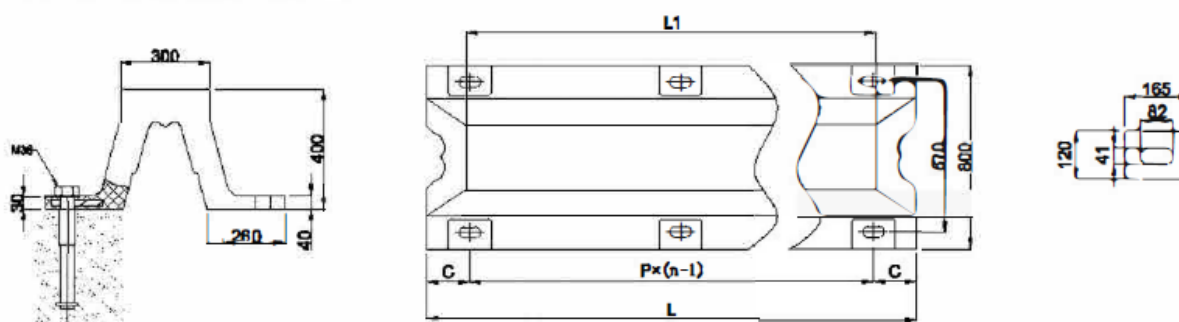


AJ-DA-A300 Reaction/Energy Performance

Reaction R:KN Energy E:KNm	RL Grade		RO Grade		RH Grade		RS Grade	
	Design Deflection 52.5%	55%	Design Deflection 52.5%	Max Deflection 55%	Design Deflection 52.5%	Max Deflection 55%	Design Deflection 52.5%	Max Deflection 55%
AJ-DA-A300*1000 _R	177	246	206	286	249	346	324	450
AJ-DA-A300*1000 _E	22	24	26	28	31	33	41	44
AJ-DA-A300*1500 _R	266	369	309	429	374	519	486	675
AJ-DA-A300*1500 _E	33	36	39	42	47	50	62	66
AJ-DA-A300*2000 _R	354	492	412	572	498	692	648	900
AJ-DA-A300*2000 _E	44	48	52	56	62	66	82	88
AJ-DA-A300*2500 _R	443	615	515	715	623	865	810	1125
AJ-DA-A300*2500 _E	55	60	65	70	78	83	103	110
AJ-DA-A300*3000 _R	531	738	618	858	747	1038	972	1350
AJ-DA-A300*3000 _E	66	72	78	84	93	99	123	132
AJ-DA-A300*3500 _R	620	861	721	1001	872	1211	1134	1575
AJ-DA-A300*3500 _E	77	84	91	98	109	116	144	154

**AJ-DA-A400 Dimension**

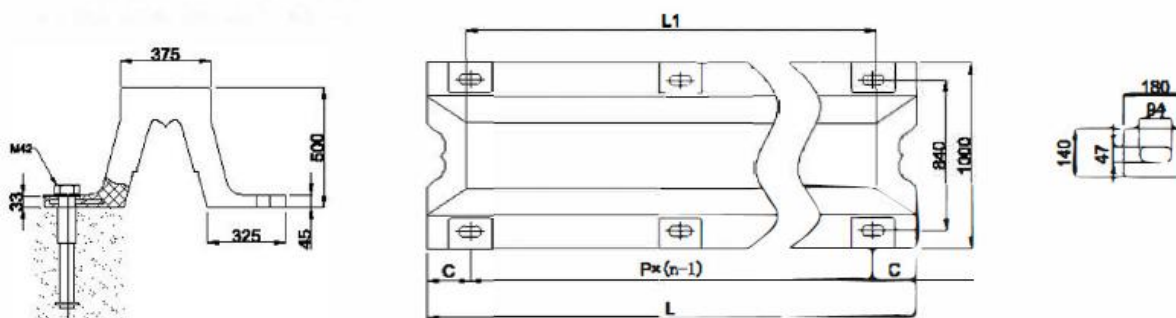
TYPE	C	P	L1	L	n	WEIGHT (KG)
AJ-DA-A400*1000	150	900	1000	1200	2	205
AJ-DA-A400*1500	150	700	1500	1700	3	300
AJ-DA-A400*2000	147.5	635	2000	2200	4	391
AJ-DA-A400*2500	150	800	2500	2700	4	430
AJ-DA-A400*3000	150	725	3000	3200	5	635
AJ-DA-A400*3500	150	680	3500	3700	6	738

**AJ-DA-A400 Reaction/Energy Performance**

Reaction R:KN Energy E:KNm		RL Grade		RO Grade		RH Grade		RS 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%
AJ-DA-A400*1000	R	236	328	275	382	332	461	432	600
	E	40	43	46	49	56	60	73	78
AJ-DA-A400*1500	R	354	492	413	573	498	692	648	900
	E	60	65	69	74	84	90	110	117
AJ-DA-A400*2000	R	472	656	550	764	664	922	864	1200
	E	80	86	92	98	112	120	146	156
AJ-DA-A400*2500	R	590	820	688	955	830	1153	1080	1500
	E	100	108	115	123	140	150	183	195
AJ-DA-A400*3000	R	708	984	825	1146	996	1383	1296	1800
	E	120	129	138	147	168	180	219	234
AJ-DA-A400*3500	R	826	1148	963	1337	1162	1614	1512	2100
	E	140	151	161	172	196	210	256	273

**AJ-DA-A500 Dimension**

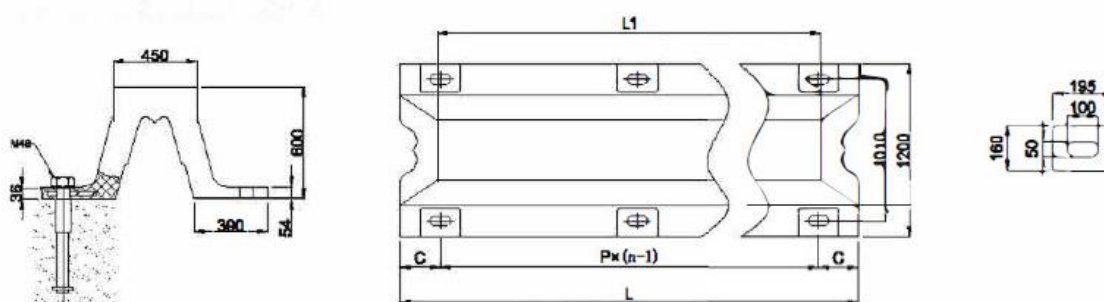
TYPE	C	P	L ₁	L	n	WEIGHT (KG)
AJ-DA-A500*1000	160	930	1000	1250	2	325
AJ-DA-A500*1500	160	715	1500	1750	3	460
AJ-DA-A500*2000	157.5	645	2000	2250	4	600
AJ-DA-A500*2500	160	810	2500	2750	4	805
AJ-DA-A500*3000	165	730	3000	3250	5	953
AJ-DA-A500*3500	160	686	3500	3750	6	1110

**AJ-DA-A500 Reaction/Energy Performance**

Reaction R:KN Energy E:KNm	RL Grade		RO Grade		RH Grade		RS 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%
AJ-DA-A500*1000	R295 E 62	410 66	344 72	478 77	415 87	576 93	540 113	750 121
AJ-DA-A500*1500	R443 E 93	615 99	516 108	717 116	623 131	864 140	810 170	1125 182
AJ-DA-A500*2000	R590 E 124	820 132	688 144	956 154	830 174	1152 186	1080 226	1500 242
AJ-DA-A500*2500	R738 E 155	1032 165	860 180	1195 193	1038 218	1440 233	1350 283	1875 303
AJ-DA-A500*3000	R885 E 186	1230 198	1032 216	1434 231	1245 261	1728 279	1620 339	2250 363
AJ-DA-A500*3500	R1033 E 217	1435 231	1204 252	1673 270	1453 305	2016 326	1890 396	2625 424

**AJ-DA-A600 Dimension**

TYPE	C	P	L1	L	n	WEIGHT (KG)
AJ-DA-A600*1000	170	960	1000	1300	2	480
AJ-DA-A600*1500	170	730	1500	1800	3	680
AJ-DA-A600*2000	167.5	655	2000	2300	4	882
AJ-DA-A600*2500	170	820	2500	2800	4	1100
AJ-DA-A600*3000	170	740	3000	3300	5	1341
AJ-DA-A600*3500	170	692	3500	3800	6	1581

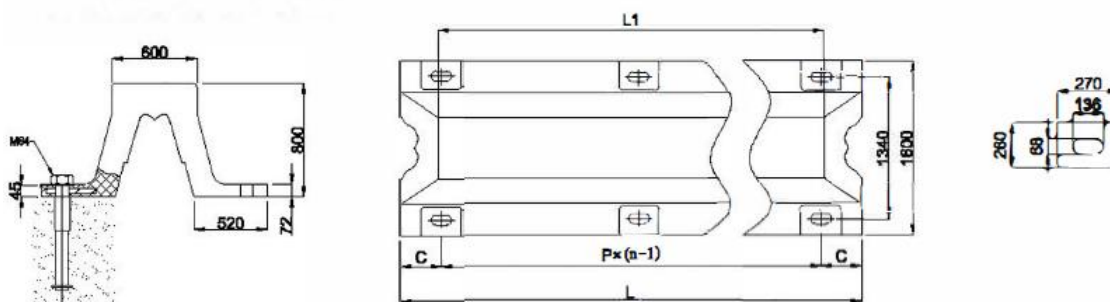
**AJ-DA-A600 Reaction/Energy Performance**

Reaction R:KN Energy E:KNm		RL Grade		RO Grade		RH Grade		RS 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%
AJ-DA-A600*1000	R	354	492	412	572	498	692	647	899
	E	89	95	104	111	126	135	163	175
AJ-DA-A600*1500	R	531	738	618	858	747	1038	971	1349
	E	134	143	156	167	189	203	245	263
AJ-DA-A600*2000	R	708	984	824	1144	996	1384	1294	1798
	E	178	190	208	222	363	270	326	350
AJ-DA-A600*2500	R	885	1230	1030	1430	2356	1730	1618	2248
	E	223	238	260	278	315	338	408	438
AJ-DA-A600*3000	R	1062	1476	1236	1716	1494	2076	1941	2697
	E	267	285	312	333	378	405	489	525
AJ-DA-A600*3500	R	1239	1722	1442	2002	1743	2422	2265	3147
	E	312	333	364	389	441	473	571	613



AJ-DA-A800 Dimension

TYPE	C	P	L ₁	L	n	WEIGHT (KG)
AJ-DA-A800*1000	180	1040	1000	1400	2	875
AJ-DA-A800*1500	180	770	1500	1900	3	1225
AJ-DA-A800*2000	180	680	2000	2400	4	1585
AJ-DA-A800*2500	182.5	845	2500	2900	4	2040
AJ-DA-A800*3000	180	760	3000	3400	5	2410
AJ-DA-A800*3500	180	885	3500	3900	5	2800

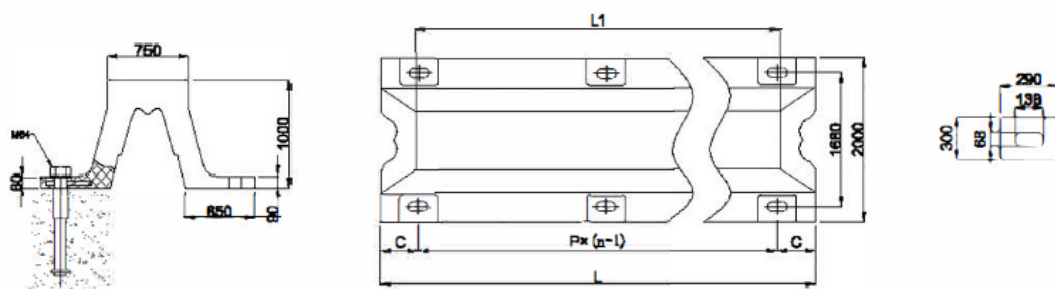


AJ-DA-A800 Reaction/Energy Performance

Reaction R:KN Energy E:KNm	RL Grade		RO Grade		RH Grade		RS 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%
AJ-DA-A800*1000 R E	472 159	656 170	550 185	764 198	664 223	992 239	864 290	1200 311
AJ-DA-A800*1500 R E	708 239	984 255	825 278	1146 297	996 335	1383 359	1296 435	1800 467
AJ-DA-A800*2000 R E	944 318	1312 340	1100 370	1528 396	1328 446	1844 478	1728 580	2400 622
AJ-DA-A800*2500 R E	1180 398	1640 425	1375 463	1910 496	1660 558	2305 598	2160 725	3000 778
AJ-DA-A800*3000 R E	1416 477	1968 510	1650 555	2292 594	1992 669	2766 717	2592 870	3600 933
AJ-DA-A800*3500 R E	1652 557	2296 595	1925 648	2674 693	2324 781	3227 837	3024 1015	4200 1089

**AJ-DA-A1000 Dimension**

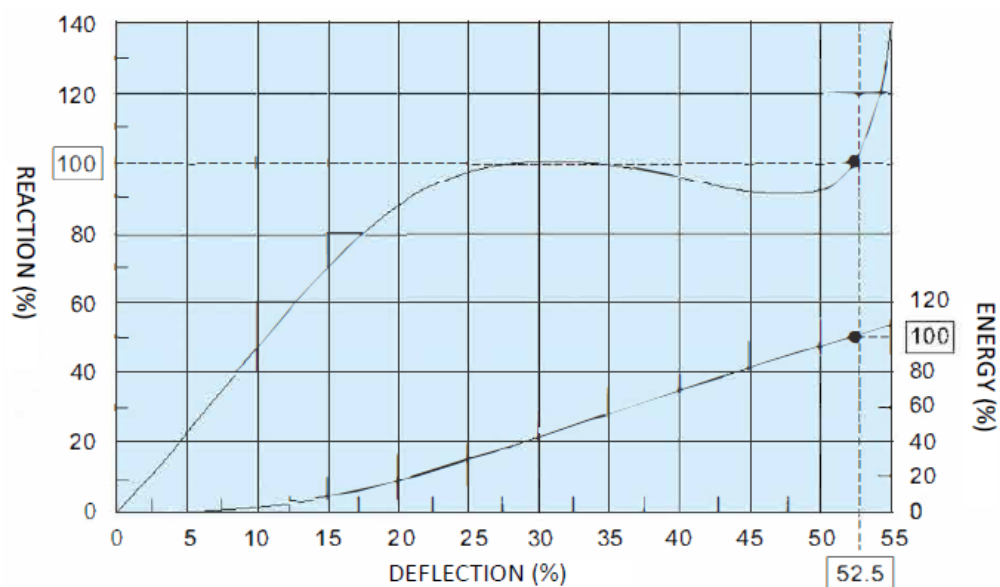
TYPE	C	P	L1	L	n	WEIGHT (KG)
AJ-DA-A1000*1000	200	1100	1000	1500	2	1400
AJ-DA-A1000*1500	200	800	1500	2000	3	1910
AJ-DA-A1000*2000	200	700	2000	2500	4	2441

**AJ-DA-A1000 Reaction/Energy Performance**

Reaction R:KN Energy E:KNm		RL Grade		RO Grade		RH Grade		RS 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%
AJ-DA-A1000*1000	R	590	820	688	956	830	1153	1080	1500
	E	248	266	289	310	349	374	154	486
AJ-DA-A1000*1500	R	885	1230	1032	1434	1245	1730	1620	2250
	E	372	399	434	465	524	561	681	729
AJ-DA-A1000*2000	R	1180	1640	1376	1912	1660	2306	2160	3000
	E	496	532	578	620	698	748	908	972



Deflection Curve



Typical Installations

