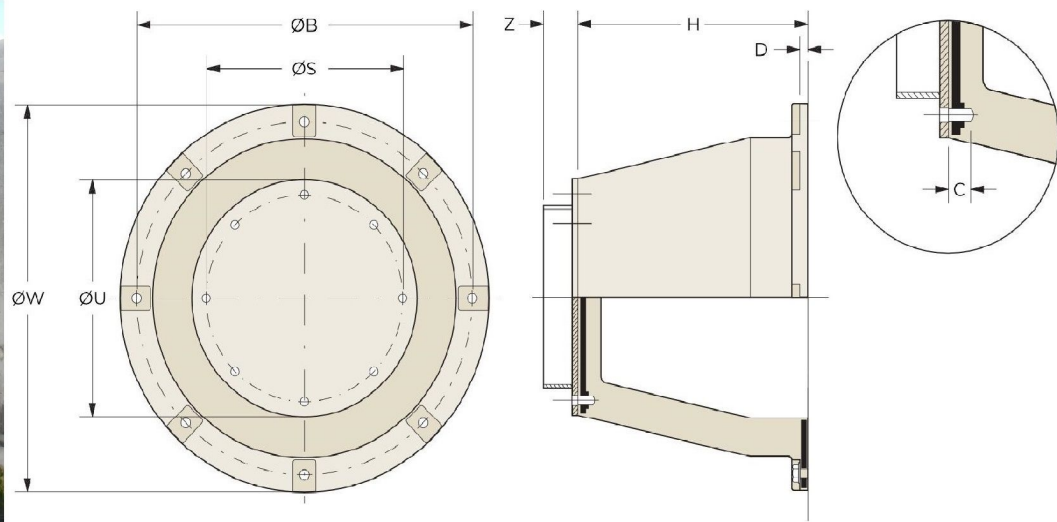


Bencros BCN Cone Fenders are compression moulded modular buckling column fenders with a high-performance geometry, internal steel mounting plates and concealed bolt sockets.

BCN Cones can be combined with a frontal panel, or behind a fender pile are simple to install and need very little maintenance. Due to their compact conical frustum shape they are highly efficient energy absorbers, with no loss in energy with compression angles of up to 10°.

Cone fenders are very versatile and are the most popular choice of fender types used in ports and recommended by specifiers around the world and can be found on most types of berths.



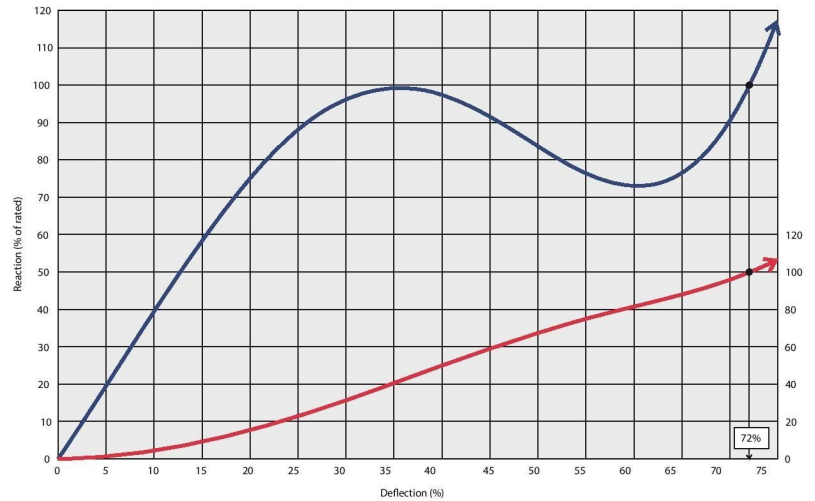
H	$\varnothing W$	$\varnothing U$	C	D	B (PCD)	S (PCD)	ANCHOR/BOLTS	WEIGHT
300	500	295	30	20	440	255	M20 x 4	40
350	570	330	27 - 37	20 - 25	510	275	M20 x 4	50
400	650	390	30 - 40	20 - 28	585	340	M24 x 4	76
500	800	490	32 - 42	30 - 38	730	425	M24 x 4	160
550	880	540	32 - 42	30 - 38	790	470	M24 x 4	210
600	960	590	40 - 52	35 - 42	875	515	M30 x 4	270
700	1120	685	40 - 52	35 - 42	1020	600	M30 x 4	411
800	1280	785	40 - 52	35 - 42	1165	685	M30 x 6	606
860	1376	845	40 - 52	35 - 42	1250	735	M30 x 6	750
900	1440	885	40 - 52	35 - 42	1313	770	M30 x 6	841
1000	1600	980	50 - 65	40 - 50	1460	855	M36 x 6	1125
1050	1680	1030	50 - 65	45 - 55	1530	900	M36 x 6	1360
1100	1760	1080	50 - 65	50 - 58	1605	940	M30 x 8	1567
1200	1920	1175	57 - 80	50 - 58	1750	1025	M42 x 8	2028
1300	2080	1275	65 - 90	50 - 58	1900	1100	M48 x 8	2455

Dimensions are in millimetres. Weights are in kilogrammes per cone: Cross sectional and height tolerance is $\pm 5\%$.

Bencros BCN Cone Fenders are compression moulded modular buckling column fenders with a high-performance geometry, internal steel mounting plates and concealed bolt sockets.

Energy and reaction are at datum operating conditions of 23°C (±5°C), 0° compression angle and initial impact speed of 150mm/s.

Intermediate D (%)	Performance R (%)	E (%)
0	0	0
5	19	1
10	39	4
15	59	8
20	75	15
25	89	22
30	97	31
35	100	40
40	98	50
45	92	59
50	84	67
55	77	75
60	73	82
65	77	89
70	91	96
72	100	100
75	118	106



Performance tolerance is ±10%
Energy and reaction are per cone. Softer, harder and intermediate rubber grades also available.

Please ask Bencros.



Rated Performance Data (RPD)						
H	Compound	BX1	Compound	BX2	Compound	BX3
	E (kNm)	R (kN)	E (kNm)	R (kN)	E (kNm)	R (kN)
300	7.7	5.9	11.5	82	14.8	104
350	12.5	80	18.5	111	23.1	141
400	18.6	104	27.6	145	34.6	185
500	36.5	164	54	227	67.6	289
550	49	198	72	275	90	350
600	63	225	90	315	120	400
700	117	320	165	450	205	570
800	171	419	245	590	310	745
900	248	527	345	745	440	945
1000	338	653	475	920	605	1165
1050	392	720	550	1015	700	1285
1100	450	788	635	1115	805	1410
1200	585	941	825	1325	1045	1680
1300	743	1103	1045	1555	1330	1970