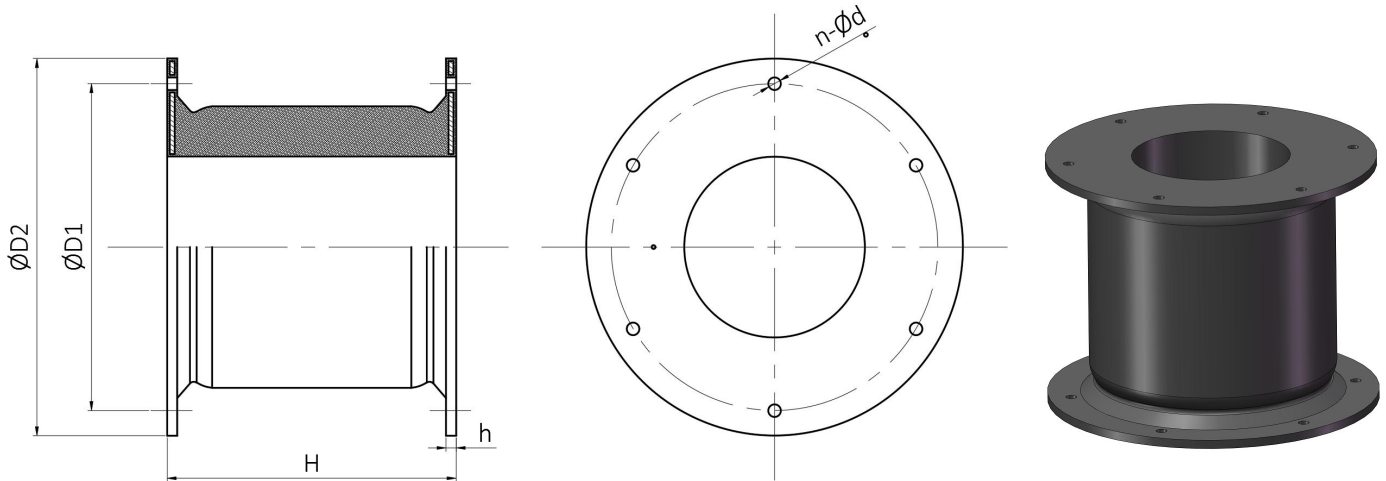


## Super Cell Rubber Fender

### ■ Features

1. Low reaction force and high capability of energy absorption
2. Applicable for ships with different sizes
3. Can support large panels and suitable for low hull pressure vessels



### ■ Specification

Type	Specification					
	H	D1	D2	h	Holes(n)	d
GSC 400H	400	550	650	25	4	30
GSC 500H	500	550	650	25	4	32
GSC 630H	630	700	840	30	4	39
GSC 800H	800	900	1050	30	6	40
GSC 1000H	1000	1100	1300	35	6	47
GSC 1150H	1150	1300	1500	40	6	50
GSC 1250H	1250	1450	1650	45	6	53
GSC 1450H	1450	1650	1850	47	6	61
GSC 1600H	1600	1800	2000	50	8	61
GSC 1700H	1700	1900	2100	55	8	66
GSC 2000H	2000	2000	2200	55	8	74
GSC 2250H	2250	2300	2550	60	10	74
GSC 2500H	2500	2700	2950	70	10	90
GSC 3000H	3000	3150	3350	75	12	90

Note: Other specification out of the series can be produced upon request.

## ■ Performance

Type	52.5% Rated Deflection									
	Super High Reaction Force(FE)		Super High Reaction Force(FS)		High Reaction Force(FH)		Standard Reaction Force(FO)		Low Reaction Force(FL)	
	Reaction force	Energy absorption	Reaction force	Energy absorption	Reaction force	Energy absorption	Reaction force	Energy absorption	Reaction force	Energy absorption
GSC 400H	112	19.4	97.9	17.3	85	14.3	65.3	11.2	52	9.2
GSC 500H	186	40.8	165	36.7	143	30.6	110	23.5	87.7	18.4
GSC 630H	296	81.6	263	73.4	229	63.2	175	47.9	141	38.8
GSC 800H	473	166	420	148	341	128	281	97.9	215.2	76.5
GSC 1000H	752	331	668	293	578	254	445	195	356	156
GSC 1150H	995	502	882	446	765	387	590	297	471	238
GSC 1250H	1176	645	1042	572	903	496	696	382	557	305
GSC 1450H	1582	1007	1404	894	1217	775	936	597	750	477
GSC 1600H	1926	1353	1710	1201	1482	1040	1139	802	912	641
GSC 1700H	2174	1623	1930	1441	1673	1249	1287	960	1029	768
GSC 2000H	3000	2643	2671	2346	2315	2034	1781	1565	1426	1252
GSC 2250H	4228	4177	3753	3701	3252	3213	2503	2473	2127	2101
GSC 2500H	5220	5730	4634	5087	4016	4408	3089	3392	2625	2883
GSC 3000H	-	-	-	-	5801	7605	4400	5790	3751	4995
Type	55% Maximum Deflection									
	Super High Reaction Force(FE)		Super High Reaction Force(FS)		High Reaction Force(FH)		Standard Reaction Force(FO)		Low Reaction Force(FL)	
	Reaction force	Energy absorption	Reaction force	Energy absorption	Reaction force	Energy absorption	Reaction force	Energy absorption	Reaction force	Energy absorption
GSC 400H	128	21.4	114	18.4	98.9	15.3	76.5	12.2	60	9.7
GSC 500H	214	43.9	191	38.8	163	32.6	128	25.5	101	19.4
GSC 630H	315	86.7	280	77.5	242	68.3	186	51	150	40.8
GSC 800H	503	177	446	156	386	135	298	104	230	79.6
GSC 1000H	800	350	710	310	615	269	472	207	379	166
GSC 1150H	1058	531	938	472	814	409	626	315	501	252
GSC 1250H	1250	682	1109	606	961	526	740	404	593	322
GSC 1450H	1682	1066	1493	947	1294	820	996	631	797	505
GSC 1600H	2047	1433	1817	1272	1575	1102	1213	849	969	678
GSC 1700H	2311	1719	2052	1525	1778	1326	1369	1017	1095	814
GSC 2000H	3199	2798	2839	2484	2461	2153	1893	1657	1515	1325
GSC 2250H	4494	4424	3989	3925	3458	3403	2659	2617	2260	2224
GSC 2500H	5550	6068	4926	5386	4266	4668	3284	3590	2792	3052

GSC 3000H	-	-	-	-	6751	7671	5201	6149	4301	5297
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Note: Performance tolerance is  $\pm 10\%$ .

## ■ Correction factors

The correction factors are for abnormal berthing conditions.

Angular compression factor		Temperature factor		Velocity factor	
Angle(°)	AF	Temperature(°C)	TF	Time(second)	VF
0	1.000	50	0.882	1	1.005
3	0.977	40	0.926	2	1.002
5	0.951	30	0.969	3	1.001
8	0.909	23	1.000	4	1.001
10	0.883	10	1.056	5	1.000
15	0.810	0	1.099	6	1.000
20	0.652	-10	1.143	8	1.000
		-20	1.186	$\geq 10$	1.000
		-30	1.230		

Note: Above factors are from PIANC, only for reference.