

CYL 圆筒型橡胶护舷

Cylindrical Rubber Fenders

圆筒型橡胶护舷反力低，面压适中，吸能量合理。

对船舶靠泊时的横摇和纵摇适应性强。

Low reaction force, moderate surface pressure, and reasonable energy absorption.

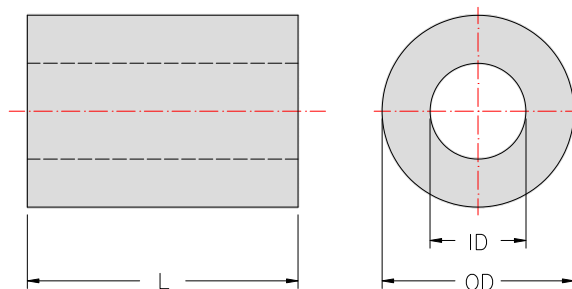
Stronger adaptability for longitudinal and cross-wise motion of ships during berthing.

Applicable for ships with different sizes and all sorts of docks.

Various installation way and easy for installation



护舷规格 Specification



护舷规格 Specification OD×ID (mm)	标准反力型 Standard Reaction Force		高反力型 High Reaction Force		重量 Weight (kg)
	R (kN)	E(kNm)	R (kN)	E(kNm)	
150×75	44	1.5	73	2.3	17
200×100	60	2.6	95	4.2	31
250×125	75	4	120	6.5	48
300×150	89	6	143	9	69
350×175	104	8	167	13	94
400×200	119	10	191	17	123
500×250	148	16	239	26	191
600×300	179	24	286	37	275
700×350	208	31	334	50	376
800×400	237	41	383	66	490
900×450	268	52	430	84	620
1000×500	297	64	479	103	766
1100×550	331	77	528	129	926
1200×600	363	95	574	152	1102
1300×650	392	108	623	179	1294
1400×700	422	128	670	208	1501
1500×750	451	147	718	238	1723
1600×800	481	176	776	282	1960
1700×850	511	206	824	338	2213
1800×900	541	247	872	406	2481
1900×950	570	288	920	487	2765
2000×1000	653	321	1054	584	3063

[Units: mm]

注

Note:

(1) 设计压缩量50%；R-反力，E-吸能；性能公差：±10%

上述数据为每米性能，其它长度护舷的力学性能，在1000长度基础上乘长度的倍数。

(2) 其它规格型号可根据客户要求生产。

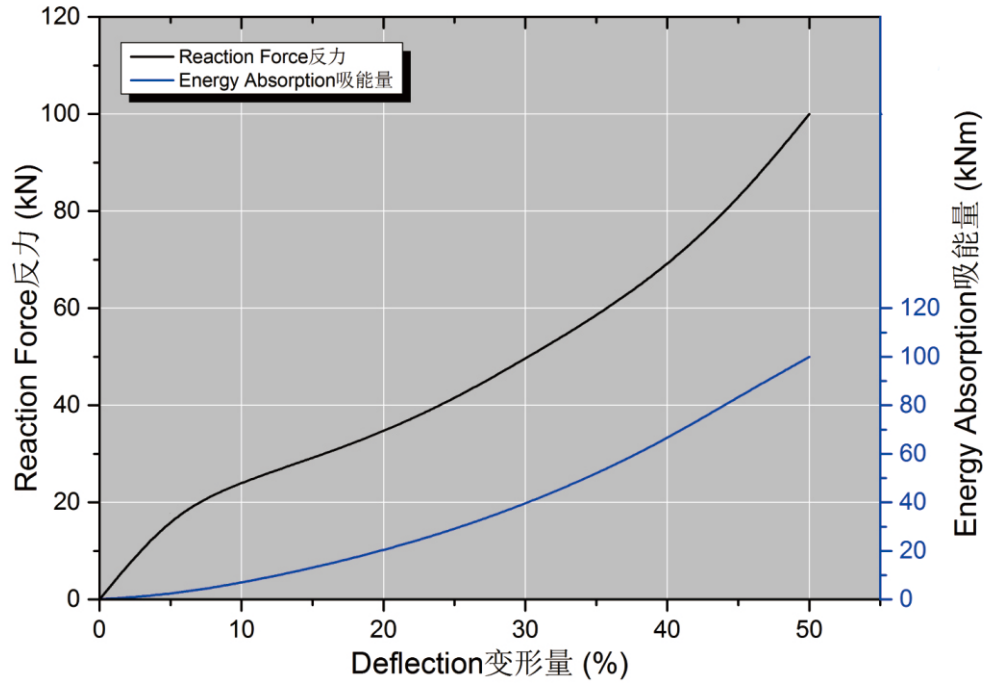
Rated Deflection: 50%

Performance tolerance: ±10%

R: Reaction Force, E: Energy Absorption.

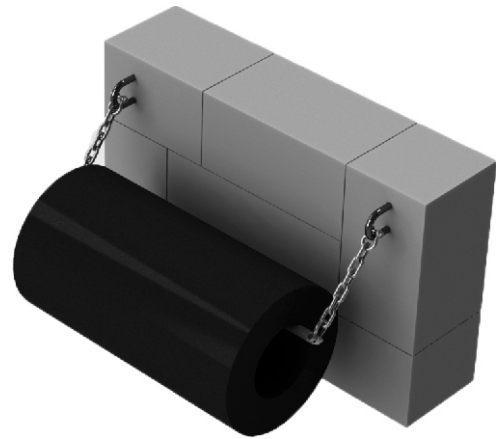
The performance mentioned above is the performance for per meter length fender. Dynamic

性能曲线 Performance Curve



预埋U型环 U-Anchor

规格 Specification	Φd	L	R	ΦG	T
100~400	40	600	70	100	20~30
400~700	50	650	80	110	20~30
700~900	55	730	90	120	20~30
900~1100	60	780	100	140	25~35
1100~1500	65	830	105	150	25~35
1500~2000	70	880	115	160	25~35



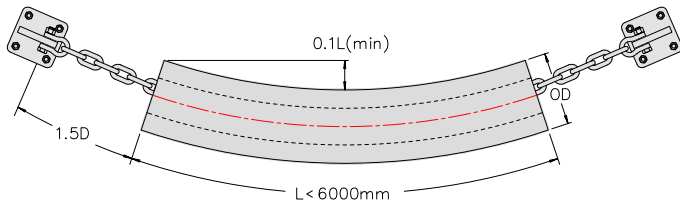
[Units: mm]

注
Note:

上述表格中的数字仅供参考，最终图纸应根据客户提供的详细资料而设计。

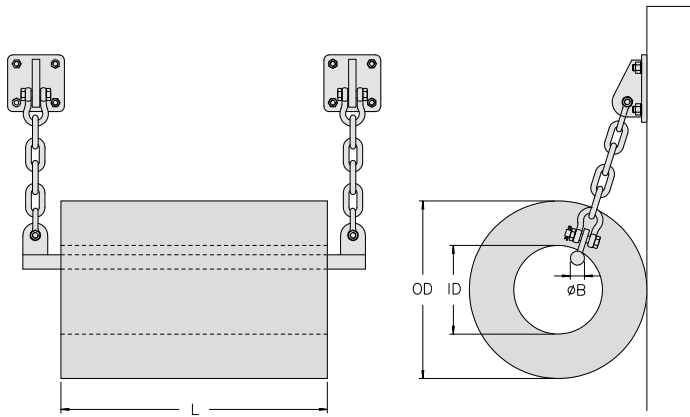
The value specified in the above table is for reference only. The final drawing is subject to the data provided

圆筒型护舷的安装及配件 Cylindrical Fenders Installation & Accessories



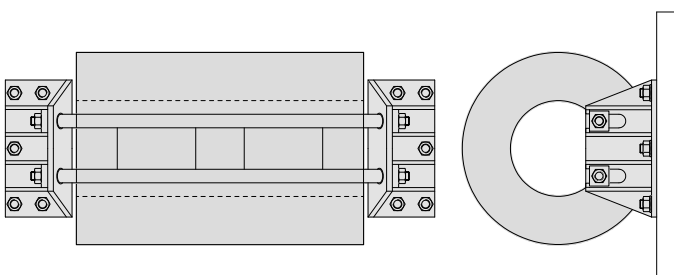
小型圆筒护舷($\leq\Phi 600\text{mm}$)一般采用链条吊挂到码头的U型环或链条支架上。

Small cylindricals ($\leq\Phi 600\text{mm}$) are often suspended from chains



大型圆筒护舷($\Phi 900-\Phi 1600\text{mm}$)一般采用穿杠和链条吊挂到码头的U型环或链条支架上。

Large cylindricals ($\Phi 900-\Phi 1600\text{mm}$) often use a support bar connected at each end to chains which go back to brackets or



超大型的圆筒护舷($\geq\Phi 1600\text{mm}$)因为安装问题,一般要采用特殊设计的梯形支架。

Very large cylindricals ($\geq\Phi 1600\text{mm}$) may require special ladder brackets due to their weight. These are specially designed for

小圆筒护舷 Small cylindricals

外径 OD	内径 ID	链条 Chain	卸扣 Shackle
100	50	14	16
150	75	16	16
200	100	18	19
250	125	20	22
300	150	24	28
350	175	26	28
400	200	28	35
500	250	32	38
600	300	36	44
700	350	36	44

[Units: mm]

大圆筒护舷 Large Cylindricals

外径 OD	内径 ID	长度 L	穿杠 ΦB	链条 Chain	卸扣 Shackle
800 900	400 450	1000	35	24	28
		1500	45	28	35
		2000	55	32	38
		2500	65	34	45
		3000	70	40	50
1000 1100	500 550	1000	45	28	35
		1500	55	32	38
		2000	65	38	45
		2500	75	40	50
		3000	85	44	50
1200 1300	600 650	1000	50	28	35
		1500	65	34	45
		2000	75	40	50
		2500	85	44	50
		3000	100	50	56
1400 1500	700 750	1000	65	38	45
		1500	70	38	45
		2000	80	44	50
		2500	90	48	56
		3000	100	52	64
1600	800	1000	75	40	50
		1500	80	40	50
		2000	90	46	50
		2500	110	48	56
		3000	120	54	64

[Units: mm]