



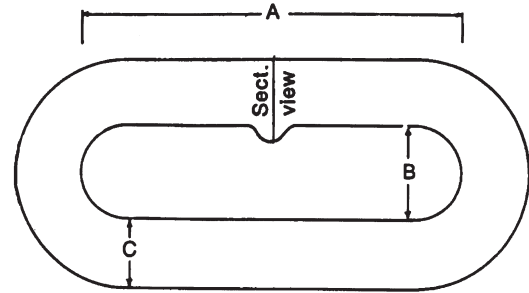
Dock Fender Chain

Chain or wire rope may be used to suspend either cylindrical or rectangular fenders. But chain is more corrosion resistant than wire rope. Chain provides more bearing surface on the I.D. of the fender, thus reducing tear potential at the ends of the fender.

The long link chain shown in the specifications below does not restrict fender deflection as much as heavier, shorter link chain would. Experience indicates that ultimate breaking strength of chain is more important than its shock loadability.

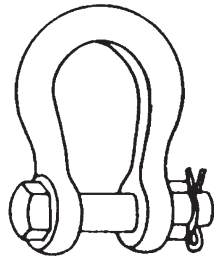
	1/2-inch	5/8-inch	3/4-inch	1-inch
Proof test	15,000*	35,000*	55,000*	100,000*
Av. ult. strength	35,000*	58,000*	105,000*	160,000*
Max. elongation	15%	15%	15%	15%
Brinell hardness	229-277	229-277	331-388	331-388
Links per ft. (per m) nominal	3.2	3.2	3.2	2.9
Wt. per 100 ft. (per m)	205*	320*	446*	814
Max. link width	1.874	2.243	2.700	3.375
A (inside length)	3.75 +.015-0	3.75 +.015-0	3.7500 ±.025	4.125
B (inside length)	.789±.031	.900±.031	1.125±.031	1.375
C (thickness)	.531	.656	.750±.008	1.000
D (max. swell)	.025	.025	-	-

* Strengths and weights in lbs.

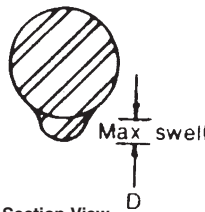


Typical Link

Shackle



Typical Shackle



Section View

The shackle should be high strength, with a greater ultimate strength than that of the chain being used. We recommend a safety anchor pin shackle with an alloy pin, one size larger than the chain being used. These chain and alloy shackle selections permit the eye of the shackle to pass thru the chain's long link; simplifying installation.

Alloy Steel Anchor Shackles (Bow Pattern)



Screw Pin

- Heat Treated
- Alloy Pins



Bolt, Nut and Cotter

- Heat Treated
- Alloy Pins

Code No.	Size Diameter	Max. Working Load Limit in Tons	Approx. Weight per 100 in Pounds	Factory Pack
648A	3/8	1-1/4	30	Bulk
649A	7/16	1-3/4	50	Bulk
650A	1/2	2-1/2	75	Bulk
651A	5/8	4	130	Bulk
652A	3/4	6	225	Bulk
653A	7/8	7-1/2	350	Bulk
654A	1	10	500	Bulk
655A	1-1/8	11-1/2	700	Bulk
656A	1-1/4	14	950	Bulk
666A	1-3/8	16	1250	Bulk
657A	1-1/2	20	1720	Bulk
685A	1-5/8	24	2350	Bulk
677A	1-3/4	30	2770	Bulk
658A	2	40	3900	Bulk

Code No.	Size Diameter	Max. Working Load Limit in Tons	Approx. Weight per 100 in Pounds	Factory Pack
850A	1/2	2-1/2	84	Bulk
851A	5/8	4	175	Bulk
852A	3/4	6	250	Bulk
853A	7/8	7-1/2	400	Bulk
854A	1	10	550	Bulk
855A	1-1/8	11-1/2	750	Bulk
856A	1-1/4	14	1100	Bulk
866A	1-3/8	16	1350	Bulk
857A	1-1/2	20	1850	Bulk
885A	1-5/8	24	2600	Bulk
877A	1-3/4	30	3100	Bulk
858A	2	40	4200	Bulk

Add suffix "G" when ordering galvanized