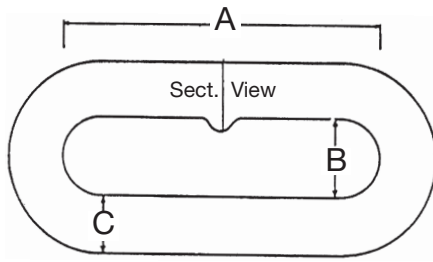


LISTER CHAIN & FORGE, INC.

**DOCK FENDER CHAIN**

Hot Dipped Galvanized

SIZE / DIA.	12.7 mm	15.9 mm	19.1 mm	25.4 mm
Proof test (kg)	6,804	15,876	24,948	45,351
Av. ult. strength (kg)	15,876	26,308	47,627	72,562
Max. elongation	15%	15%	15%	15%
Brinell hardness	229-277	229-277	229-277	331-388
Links per meter nominal	10.5	10.5	10.5	9.54
Wt. per meter (kg)	3.05	4.78	4.78	12.1
Max. link width (mm)	47.60	56.97	56.97	85.72
A – Inside length (mm)	95.25	95.25	95.15	104.78
B – Inside width (mm)	20.04	22.86	28.48	34.93
C – Thickness (mm)	13.49	16.66	19.05	25.40
D – Max. swell (mm)	.064	.064	–	–
Alloy safety anchor shackle	851A	852A	854A	854A
Shackle ultimate strength (kg)	27,216	36,741	61,235	61,235

SIZE / DIA.	1/2 inch	5/8 inch	3/4 inch	1 inch
Proof test (lbs.)	15,000	35,000	55,000	100,000
Av. ult. strength (lbs.)	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. nominal	3.2	3.2	3.2	2.9
Wt. per 100 ft. (lbs.)	205	320	446	814
Max. link width (in.)	1.874	2.243	2.700	3.375
A – Inside length (in.)	3.25 + .015-0	3.75 + .015-0	3.7500 ± .025	4.125
B – Inside width (in.)	.789 ± .031	.900 ± .031	1.125 ± .031	1.375
C – Thickness (in.)	.531	.656	.750 ± .008	1.000
D – Max. swell (in.)	.025	.025	–	–
Alloy safety anchor shackle	851A	852A	854A	854A
Shackle ultimate strength (lbs.)	60,000	81,000	135,000	135,000

