

Table No. 3.  
GALVANIZED-STEEL-WIRE ROPES.—BREAKING-LOADS.  
(Quality: Hawser Basic. Tensile strength of wires, 85-95 tons per square inch.)

Size of Rope.		Flexible.	Special.	Flexible.
Circumference, in Inches.	Diameter, in Inches (approximate).	Construction: Six Strands of 12 Wires each.	Construction: Six Strands of 24 Wires each.	Construction: Six Strands of 30 Wires each.
		Actual Breaking-load, in Tons.	Actual Breaking-load, in Tons.	Actual Breaking-load, in Tons.
1 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{5}{16}$	2.0	2.6	2.6
	$\frac{13}{32}$	3.1	4.4	3.6
	$\frac{15}{32}$	4.8	6.1	5.4
	$\frac{9}{16}$	6.4	8.7	7.5
2 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{5}{8}$	8.3	11.2	10.0
	$\frac{23}{32}$	10.8	14.7	12.8
	$\frac{13}{16}$	13.2	17.7	15.2
	$\frac{7}{8}$	15.2	21.1	19.6
3 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{15}{16}$	18.6	25.7	23.5
	$1\frac{1}{32}$	21.7	29.7	25.6
	$1\frac{1}{8}$	25.7	35.2	30.1
	$1\frac{3}{16}$	29.3	39.9	34.9
4 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$1\frac{9}{32}$	33.2	44.9	40.1
	$1\frac{11}{32}$	36.4	51.5	45.6
	$1\frac{7}{16}$	43.3	58.6	51.4
	$1\frac{1}{2}$	47.0	64.6	57.6
5 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$1\frac{19}{32}$	52.8	70.9	64.2
	$1\frac{11}{16}$	..	77.5	71.2
	$1\frac{3}{4}$	..	84.4	76.6
	$1\frac{27}{32}$	..	91.5	82.3
6 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$1\frac{29}{32}$	..	99.1	92.1
	2	..	104.5	98.3
	$2\frac{3}{32}$	..	112.3	104.7
	$2\frac{5}{32}$	..	120.3	111.2
7 $\frac{1}{2}$	$2\frac{7}{32}$	..	130.7	120.0
	$2\frac{3}{8}$	..	..	131.8
8	$2\frac{17}{32}$	..	..	148.8

Table No. 4.  
TABLE OF BREAKING-LOADS FOR ORDINARY-GRADE ROUND FIBRE ROPES.  
(Ropes closely spun and not tarred.)

Size of Rope.		Breaking-load, in Pounds.	Size of Rope.		Breaking-load, in Pounds.
Circumference, in Inches.	Diameter, in Inches (approximate).		Circumference, in Inches.	Diameter, in Inches (approximate).	
1	$\frac{5}{16}$	810	31	$1\frac{1}{8}$	9,882
$1\frac{1}{4}$	$\frac{13}{32}$	1,260	$3\frac{3}{4}$	$1\frac{3}{16}$	11,340
$1\frac{1}{2}$	$\frac{15}{32}$	1,818	4	$1\frac{9}{32}$	12,906
$1\frac{3}{4}$	$\frac{9}{16}$	2,466	$4\frac{1}{4}$	$1\frac{11}{32}$	14,565
2	$\frac{5}{8}$	3,222	$4\frac{1}{2}$	$1\frac{7}{16}$	16,326
$2\frac{1}{4}$	$\frac{23}{32}$	4,086	$4\frac{3}{4}$	$1\frac{1}{2}$	18,195
$2\frac{1}{2}$	$\frac{13}{16}$	5,040	5	$1\frac{19}{32}$	20,160
$2\frac{3}{4}$	$\frac{7}{8}$	6,102	$5\frac{1}{2}$	$1\frac{3}{4}$	24,390
3	$\frac{15}{16}$	7,254	6	$1\frac{29}{32}$	29,034
$3\frac{1}{4}$	$1\frac{1}{32}$	8,514			