

Table No. 31.—Galvanized-wire-rope Purchases.

TABLE OF SAFE-WORKING LOADS FOR A PURCHASE CARRYING THE LOAD ON FIVE PARTS (DIAGRAM NO. 13).

(Ropes are to be equal to the breaking-loads specified in Table 3.)

Size of Rope.		Strands and Wires 6/12.		Strands and Wires 6/24.		Strands and Wires 6/30.	
Circumference, in Inches.	Diameter, in Inches (approx.).	Working-load in Tons, &c.	Working-load, in Pounds.	Working-load, in Tons, &c.	Working-load, in Pounds.	Working-load, in Tons, &c.	Working-load, in Pounds.
1 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{5}{16}$	T. cwt. qr. lb. 1 13 1 9	3,733	T. cwt. qr. lb. 2 3 1 9	4,853	T. cwt. qr. lb. 2 3 1 9	4,853
	$\frac{13}{32}$	2 11 2 19	5,787	3 13 1 9	8,213	3 0 0 0	6,720
	$\frac{15}{32}$	4 0 0 0	8,960	5 1 2 19	11,387	4 10 0 0	10,080
	$\frac{9}{16}$	5 6 2 19	11,947	7 5 0 0	16,240	6 5 0 0	14,000
2 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{5}{8}$	6 18 1 9	15,493	9 6 2 19	20,907	8 6 2 19	18,667
	$\frac{23}{32}$	9 0 0 0	20,160	12 5 0 0	27,440	10 13 1 9	23,893
	$\frac{13}{16}$	11 0 0 0	24,640	14 15 0 0	33,040	12 13 1 9	28,373
	$\frac{7}{8}$	12 13 1 9	28,373	17 11 2 19	39,387	16 6 2 19	36,587
3	$\frac{15}{16}$	15 10 0 0	34,720	21 8 1 9	47,973	19 11 2 19	43,867

Table No. 32.—Galvanized-wire-rope Purchases.

TABLE OF SAFE-WORKING LOADS FOR A PURCHASE CARRYING THE LOAD ON SIX PARTS (DIAGRAM NO. 14).

(Ropes are to be equal to the breaking-loads specified in Table 3.)

Size of Rope.		Strands and Wires 6/12.		Strands and Wires 6/24.		Strands and Wires 6/30.	
Circumference, in Inches.	Diameter, in Inches (approx.).	Working-load, in Tons, &c.	Working-load, in Pounds.	Working-load, in Tons, &c.	Working-load, in Pounds.	Working-load, in Tons, &c.	Working-load, in Pounds.
1 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{5}{16}$	T. cwt. qr. lb. 2 0 0 0	4,480	T. cwt. qr. lb. 2 12 0 0	5,824	T. cwt. qr. lb. 2 12 0 0	5,824
	$\frac{13}{32}$	3 2 0 0	6,944	4 8 0 0	9,856	3 12 0 0	8,064
	$\frac{15}{32}$	4 16 0 0	10,752	6 2 0 0	13,664	5 8 0 0	12,096
	$\frac{9}{16}$	6 8 0 0	14,336	8 14 0 0	19,488	7 10 0 0	16,800
2 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{5}{8}$	8 6 0 0	18,592	11 4 0 0	25,088	10 0 0 0	22,400
	$\frac{23}{32}$	10 16 0 0	24,192	14 14 0 0	32,928	12 16 0 0	28,672
	$\frac{13}{16}$	13 4 0 0	29,568	17 14 0 0	39,648	15 4 0 0	34,048
	$\frac{7}{8}$	15 4 0 0	34,048	21 2 0 0	47,264	19 12 0 0	43,904
3	$\frac{15}{16}$	18 12 0 0	41,664	25 14 0 0	57,568	23 10 0 0	52,640