



TABLE OF RECOMMENDED RATIOS OF DRUM OR SHEAVE DIAMETER TO ROPE DIAMETER

D = Tread Diameter of Sheave
d = Nominal Diameter of Rope

Wire rope construction	140/155 Kg/mm ²	155/170 Kg/mm ²	170/185 Kg/mm ²
I. Ropes of cross lay construction	D/d	D/d	D/d
6 × 7 (1 + 6) + 1	40	43	48
6 × 19 (1 + 6 + 12) + 1	28	30	33
6 × 37 (1 + 6 + 12 + 18) + 1	20	22	24
6 × 61 (1 + 6 + 12 + 18 + 24) + 1	17	18	20
8 × 19 (1 + 6 + 12) + 1	23	25	28
18 × 7 (1 + 6) + 1	34	37	41
36 × 7 (1 + 6) + 1	27	29	32
Wire rope construction	140/155 Kg/mm²	155/170 Kg/mm²	170/185 Kg/mm²
II. Ropes of equal lay construction	D/d	D/d	D/d
6 × 19 (1 + 9 + 9) S + 1	30	34	37
8 × 19 (1 + 9 + 9) S × 1	25	27	30
6 × 26 (1 + 5 + 5.5 + 10) W-S + 1	26	28	30
6 × 36 (1 + 7 + 7.7 + 14) W-S + 1	23	25	28
6 × 41 (1 + 8 + 8.8 + 16) W-S + 1	18	20	22
8 × 19 (1 + 6 + 6.6) W + 1	28	30	33
6 × 21 (1 + 5.5 + 10) F-W + 1	28	30	33
6 × 25 (1 + 6.6 + 12) F-W + 1	24	26	29
6 × 41 (1 + 8 + 8.8 + 16) F-W + 1	20	22	24
8 × 25 (1 + 6.6 + 12) F-W + 1	20	22	24