

Rope compositions and drum Rates

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Steel Wire Rope Compositions and Pulley Ratios

Const.	Optimized D/d	Min. D/d	
6x7	72	42	
17x7,18x7	51	34	
6x21 Fi	51	34	
6x26WS	45	30	
35x7	45	30	
6x25Fi	41	27	
6x31WS	39	26	
6x37	39	26	
x36WS	39	23	
6x41WS	35	21	
8x19 S	32	27	
8x25 Filler	41	21	

Fleet Angle

Fleet Angle: is the angle shown by the perpendicular line that goes from the center of the chase to the drum flange and the drum center. Categorized as left and right. The angle is expected to be in the recommended tolerance rates. Otherwise it affects the wire's service life.

To increase the performance and service life of wire, fleet of angle should be 1,5 angle on flat drums, and should not be more than 2,5 angle on grooved drums.

Lubrication of Wire Rope

Steel wire ropes are lubricated during production. However it is not sufficient for long term use. Therefore it should be inspected during maintenance and lubricated if necessary.

Advantages of Lubrication

Prevents wear

2. Increases life time

3. Protects against corrosion

4. Provides better slide of wires and strands during work olarak kaymalarını sağlamak.