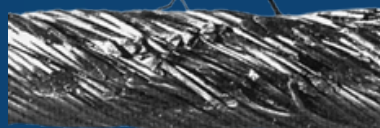


Criteria for discarding steel wire ropes



Damage from wire sliding over sharp edges under load.



Local wear from contact with steel and vibration between the drum and the pulley.



Wire wear and fractures caused by an excessively wide groove or small sheaves.



Cracks in two lines - the effect of working in a groove that is too narrow.



Heavy wear under high pressure - squeezed fiber core.



Excessive rope wear at turning points on a multilayer drum.



Severe corrosion caused by wire contact with chemically oxidizing water.



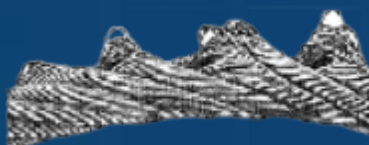
Excessive rope wear at turning points on a multilayer drum. (repeated caption in source)



Exposed steel core due to transverse loading.



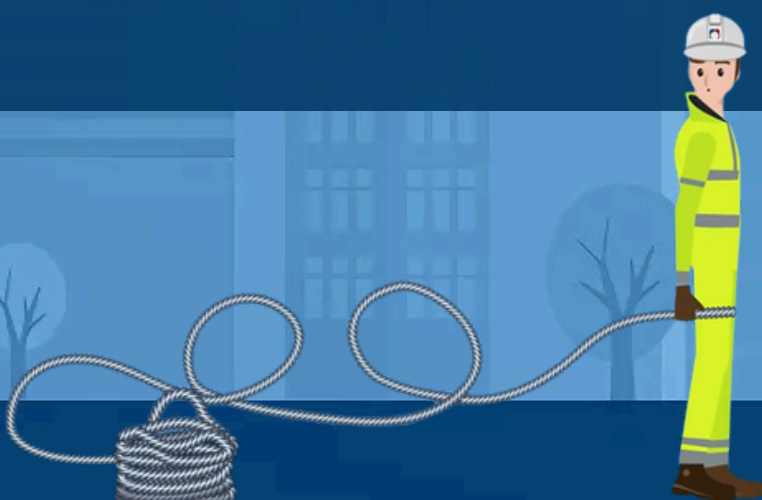
Fracture of the steel core caused by heavy impacts - visible breaks in the outer wires.



Rope core bending caused by twisting during work at low temperatures (shock loads).



Stranded wire rope with sections damaged by uneven torsional forces - typical after fastening to multi-strand wire rope.



Always lift safely!