WORKING LOAD LIMITS CAUTION

Because of the wide range of rope use, rope condition, exposure to several factors affecting rope behavior, and the degree of risk to life and property involved, it is impossible to make blanket recommendations as to working loads.

The Working load limits presented in our specifications are designed for guidance in the safe use of rope. Working loads are tabulated rope in good condition with appropriate splices in non-critical applications and under normal service conditions.

A higher working load limit may be selected only with expert knowledge of conditions and professional estimates of risk; if the rope has not been subjected to dynamic loading or other excessive use, has been inspected and found to be in good condition, and is to be used in the recommended manner, and the application does not involve elevated temperatures, extended periods under load, or obvious dynamic loading such as sudden drops, snubs, or pick ups.

The Working Load Limit Range is determined by dividing the Minimum breaking Strength by the Design Factor. Design factors, like working loads, are not fixed due to the wide variety of applications and factors encountered in rope use. Users must determine the Design Factor, as they are the only ones who can assess actual service conditions and establish operating procedures. Design Factors Ranges are shown in the specifications from 5 to 12 for normal service and modest dynamic loading.

You should always select a Design Factor at the high end of the range or a larger rope size should be selected for Critical Conditions of Use. Please inquire for additional information on determining elements of Critical Conditions of use.