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Specification for  
**Gymnasium  
Equipment**

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Part 2. Particular requirements  
Section 2.2. Ropes

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## FOREWORD

This revised British Standard is one of a series of sections of the specification for Gymnasium Equipment.

This Section 2.2, specifies requirements which depart from, or are additional to, those given in BS 1892 : Part 1, 'General requirements'.

*It is most important that parallel ropes should be installed only with the written agreement of the architect or engineer responsible for the building. This is because of the very considerable stress imparted by parallel ropes, especially those incorporating wire cord rope, to their anchorage.*

BRITISH STANDARD SPECIFICATION FOR  
GYMNASIUM EQUIPMENT  
Part 2. Particular requirements  
Section 2.2 Ropes

## 1. SCOPE

This Section 2.2 of BS 1892 covers vertical climbing ropes, inclined ropes, rope ladders and parallel ropes.

It is to be read in conjunction with Part 1 of the standard and apparatus is required to comply in all respects with Part 1, except in so far as they are modified by this Section 2.2.

NOTE. The titles of the British Standards referred to in this standard are listed on the inside back cover.

## 2. VERTICAL CLIMBING ROPES

**2.1 Dimensions.** Vertical climbing ropes shall be either 115 mm (4 1/2 in) or 90 mm (3 1/2 in) circumference, whichever is ordered.

**2.2 Materials.** The materials for climbing ropes shall be as follows:

rope	first grade European hemp line yarn, shroud laid; pre-stretched nylon or polyester.
whipping	whipping twine
clamp	mild steel or wrought iron
rivets	mild steel
pulleys	mild steel or plastics
loose end sealing	plastics dipped, or adhesive and tape.

The materials for track and trolleys shall be as follows:

special clips or mounting brackets	mild steel or malleable iron
mounting chairs	mild steel or malleable iron
enclosed track	mild steel
trolleys	steel or malleable iron
spacers	chain, wire rope or synthetic fibre rope
hauling line, pulleys or cages.	steel, malleable iron or plastics
hauling line	25 mm ( 1 in) circumference (min.) hemp or synthetic fibre rope.