NFPA CERTIFICATION FOR RESCUE P50
MEETS THE PULLEY REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2017 EDITION, EMERGENCY SERVICES PULLEY IN ACCORDANCE WITH NFPA 1983:2017

PULLEY: MBS 36 kN G (TECHNICAL USE) MEETS NFPA 1983 (2017 ED.)

After removing the notice from the equipment, make a copy of it and keep the original as part of a permanent record that includes the usage and inspection history for the equipment. Keep the copy of the notice with the equipment and refer to it before and after each use. Additional information regarding auxiliary equipment can be found in NFPA 1500, Standard on Fire Department Occupational Safety and Health Program, and NFPA 1083, Standard on Fire Service Life Safety Rope and System Components.

Traceability and markings

5A. Working load limit
5B. Breaking load

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6A. Simple pulley system

- \( F = 105 \text{ kg} \)
- \( P = 100 \text{ kg} \)

Theoretical force:
- \( F = P \)
- \( F = 1.05P \)
- \( F = 2P \)

6B. 2:1 hauling system

- \( F = 51 \text{ kg} \)
- \( P = 100 \text{ kg} \)

Theoretical force:
- \( F = 0.5P \)
- \( F = 0.51P \)
- \( F = 0.56P \)

6c. 3:1 hauling system with progress capture

- \( F = 35 \text{ kg} \)
- \( P = 100 \text{ kg} \)

Theoretical force:
- \( F = 0.33P \)
- \( F = 0.35P \)
- \( F = 0.57P \)
7. Progress capture systems
Systèmes anti-retour

8. Positioning and redirection
Positionnement et renvoi

1 kN
1,4 kN
2 kN

P = 100 kg

120°
90°