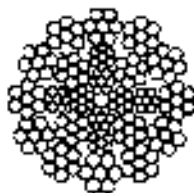


HOISTING ROPE	9
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I) ROPE TYPES USED



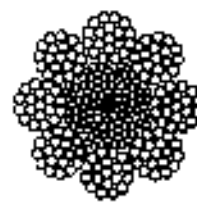
17 x 7 AGM



NRHD 24 x 7
NRHD 24 x 17



6 x 21 FC dyform
6 x 31 FC dyform



8 x 25 F - CWP

Note! The used rope types are subject to change. If the rope information is critical, always check the existing rope type case by case.

The actual rope diameter is between the tolerance of the nominal diameter as follow:

Nominal diameter	Tolerance %	
(mm)	Rope with strands exclusively of wire	Rope with fiber strand cores
6 <...< 7	+5 -1	+7 -1
> 8	+4 -1	+6 -1

II) ROPES CALCULATED BY FEM AND ASME HST – 4M

FEM recommendations:

Hoist FEM duty group	1Bm	1Am	2m	3m	4m
Min. design safety factor	3.55	4	4.5	5.6	7.1

ASME HST – 4M recommendations:

Hoist ASME duty group	H1 – H5
Min. design safety factor	5

HOISTING ROPE

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III) ROPE TYPE

Hoist	Drum	Rope ϕ mm	Rope construction	Strength of wire N/mm ²	Min. breaking load kg
SM104114	A	6	AGM 17x7	2160	2966
SM204114	A, C	7	AGM 17x7	2160	4118
SM304114	A,C	9	Compact 9x17	2160	7289
SM404114	B,D	13	Compact 9x17	2160	15495
SM412214	E	9	Compact 9x17	2160	7289
SM416214	G	9	Compact 9x17	2160	7289

Caution regarding hoist ropes:

A damaged rope may cause other components such as the rope guide and/or sheaves to become damaged. A damaged sheave or rope guide may damage or even break the new replacement wire rope. The wire rope and all related items shall be checked and replaced as necessary for excessive wear or damage.