

ISO 4344:2004-02 (E)

Steel wire ropes for lifts - Minimum requirements

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Requirements	2
4.1	Materials	2
4.2	Rope manufacture	3
4.3	Rope designation and classification	6
4.4	Dimensions	6
4.5	Minimum breaking force	7
5	Verification of safety requirements and/or measures	8
5.1	Materials	8
5.2	Rope manufacture	8
5.3	Test on rope for diameter	8
5.4	Test on rope for breaking force	9
6	Information for use	10
6.1	Certificate	10
6.2	Discard criteria	10
6.3	Marking	10
Annex A (normative) Tables of minimum breaking force values for the more common classes, diameters and grades of ropes		11
Annex B (normative) Calculation of minimum breaking force		17
Annex C (informative) Calculation of approximate rope length mass, nominal metallic cross-sectional area and approximate outer wire size		18
Annex D (informative) Comparison of imperial and metric rope sizes, grades and minimum breaking forces		19
Annex E (informative) Discard criteria for lift ropes		24
Annex F (informative) Information recommended to be provided with an enquiry or order		27
Bibliography		28