

ISO 16625:2013-07 (E)

Cranes and hoists - Selection of wire ropes, drums and sheaves

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Group classification of the mechanism as a whole	1
5	Selection of rope	2
5.1	Type and construction	2
5.2	Design factor, Z_p	2
5.3	Minimum breaking force	3
5.4	Diameter	4
6	Drums and sheaves	4
6.1	Sheave material	4
6.2	Calculation of minimum drum and sheave diameters	5
7	Exceptional conditions	7
8	Care and maintenance, inspection and discard	7
Annex A (normative) Applicable cranes and hoists		8
Annex B (informative) Other rope-related design and rope selection aspects		9
Bibliography		21