

DIN EN 1908:2015-11 (E)

Safety requirements for cableway installations designed to carry persons - Tensioning devices

Contents	Page
Foreword	4
1 Scope	6
2 Normative references	6
4 General requirements	7
4.1 Application of this standard	7
4.2 Safety principles	7
4.2.1 General	7
4.2.2 Hazard scenarios	7
4.2.3 Safety measures	7
5 General requirements for tensioning devices	8
5.1 Purpose of tensioning devices	8
5.2 Travel	8
5.2.1 Dimensioning	8
5.2.2 Free movement	8
5.2.3 Limits	8
5.2.4 Display	9
5.3 End fixings	9
5.3.1 General	9
5.3.2 Socket end fixings	9
5.3.3 Anchor drum	9
5.3.4 Dimensioning	10
5.3.5 Other rope end fixings	10
5.4 Guides	10
5.4.1 Counterweights	10
5.4.2 Tension carriages	10
5.5 Unloading devices for tensioning devices	10
6 Requirements for counterweight tensioning devices	10
6.1 Tension force deflection systems	10
6.1.1 Tension sheaves	10
6.1.2 Roller chains and deflection sheaves for track ropes	11
6.1.3 Other deflection devices	11
6.2 Counterweight travel areas	11
6.3 Counterweights	11
6.4 Damping devices	12
7 General requirements for hydraulic installations	12
8 Requirements for hydraulic tensioning systems	13
8.1 Constructional devices	13
8.2 Maintaining and monitoring limiting values of nominal tension	14
9 Requirements for fixed tensioning devices	14
9.1 Testing the rope tension	14
9.2 Adjustment of rope tension	14
9.3 Dimensioning the connection parts	14

10	Requirements for other tensioning devices	15
11	Requirements for ski-tow tensioning devices	15
11.1	General	15
11.2	Specific requirements	15
12	Materials and permissible stresses	16
13	Accident prevention and protection of workers	16
Annex ZA (informative)	Relationship between this European Standard and the essential requirements of the EU Directive 2000/9/EC relating to cableway installations designed to carry persons	17