

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Symbols
5	Materials
6	Nominal loads
6.1	Permanent loads
6.1.1	General
6.1.2	Equipment permanent loads
6.1.3	Additional permanent loads
6.1.4	Crash beam anchor guy pre-tension loads
6.2	Imposed loads (excluding rope loads)
6.2.1	General
6.2.2	Floor and platform loads
6.2.3	Bin material loads and chute material loads
6.2.4	Conveyance operating loads
6.2.5	Headframe-mounted winder loads
6.2.6	Kibble loads
6.2.7	Bank door operating loads
6.2.8	Abnormal loads
6.2.9	Earthquake loads
6.2.10	Conveyance drop test loads
6.3	Rope or conveyance installation loads
6.3.1	General
6.3.2	Winding rope installation load
6.3.3	Winding rope doubling-down load
6.3.4	Tail rope installation or replacement load
6.3.5	Rope guide and rubbing rope installation or replacement load
6.3.6	Conveyance change over load
6.4	Rope operating loads
6.4.1	General
6.4.2	Winding rope operating loads
6.4.3	Stage rope operating loads
6.4.4	Lateral rope operating loads on sheaves
6.4.5	Rope guide and rubbing rope operating loads
6.5	Emergency loads
6.5.1	Emergency rope load
6.5.1.1	Conveyances with fixed rope winders
6.5.1.2	Conveyances with friction winders
6.5.1.3	Stage emergency rope load
6.5.2	Emergency dropback loads
6.5.3	Crash beam and catch plate loads
6.5.4	Emergency arrestor anchor loads
6.5.5	Headframe-mounted winder emergency loads
6.5.6	Energy release loads following rope break
6.5.7	Dogging system loads

- 7** **Design procedures**
 - 7.1** **Design loads**
 - 7.2** **Design standards**
 - 7.2.1** **Design for emergency rope loads**
 - 7.3** **Overall stability**
 - 7.4** **Serviceability limit state**
 - 7.4.1** **General**
 - 7.4.2** **Deflection limits**
 - 7.4.3** **Headframe-mounted winders**

Annex A (informative) Load factors and load combinations

- A.1** **General**
- A.2** **Operating conditions**
 - A.2.1** **Partial load factors and load combination factors**
 - A.2.2** **Load combinations**
- A.3** **Emergency conditions**
 - A.3.1** **Emergency load combinations with rope loads**
 - A.3.2** **Emergency load combinations without rope loads**

Page count: 14