

DIN EN 13414-1:2020-03 (E)

Steel wire rope slings - Safety - Part 1: Slings for general lifting service (includes Amendment A2:2008)

Contents	Page
Foreword.....	3
Introduction	4
1 Scope	4
2 Normative references	5
3 Terms and definitions	5
4 Hazards	6
Table 1 — Hazards and associated requirements	6
5 Safety requirements and/or measures	6
5.1 General.....	6
5.2 Single-leg sling	7
Table 2 — Examples of single-leg slings and terminal fittings.....	9
5.3 Ferrule-secured and spliced endless slings.....	10
5.4 Multi-leg sling.....	11
Figure 1 — Multi-leg slings	13
Table 3 — A1 Working load limits for slings using fibre cored rope of classes 6x19 and 6x36 in grade 1770 and having ferrule-secured eye terminations A1	14
Table 4 — A1 Working load limits for slings using steel cored rope of classes 6x19, 6x36 and 8x36 in grade 1770 and having ferrule-secured eye terminations A1	15
6 Verification of the safety requirements and/or measures	16
6.1 Components of the wire rope sling.....	16
6.2 Rope construction	16
6.3 Length of the sling.....	16
6.4 WLL of terminal fittings.....	16
6.5 Formation of a multi-leg sling	16
7 Information for use	16
7.1 Marking	16
7.2 Certification	17
Annex A (informative) Information which should be supplied with an enquiry or order.....	18
Annex B (informative) Rating of multi-leg slings for general service.....	19
Annex ZA (informative) A2 Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC A2	20
Annex ZB (informative) A2 Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC A2	21
Bibliography	22