

DIN 582:2024-05 (E)

Lifting eye nuts

Contents

Page

Foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions.....	6
4 Dimensions.....	6
5 Technical delivery conditions.....	10
6 Minimum breaking force	10
7 Tensile testing.....	11
8 User information	12
9 Load-bearing capacity	12
10 Marking	14
11 Designation	14
Annex A (normative) User information.....	15
Annex B (informative) Relationship between this national document and the essential requirements of EC Directive 2006/42/EC.....	16
B.1 General	16
B.2 List of significant hazards.....	16
B.3 Type test.....	17
B.3.1 General	17
B.3.2 Deformation test.....	17
B.3.3 Static tensile test	19
B.4 Instructions for use	19
B.5 Assembly and operating instructions.....	19
B.5.1 Using lifting eye nuts.....	19
B.5.2 Correct fitting of lifting eye nuts.....	20
B.5.3 Inspection	20
B.5.4 Storage and handling	21
B.6 Declaration of conformity sample	22
Bibliography	23

Figures

Figure 1 — Dimensions.....	6
Figure 2 — Examples of test assembly	12
Figure 3 — Example of marking lifting eye nuts.....	14
Figure A.1 — Illustration of lateral loading (to be avoided).....	15

Figure B.1 — Example of alignment of lifting eye nuts when used in pairs	21
Figure B.2 — Example of correct method of slinging pairs of lifting eye nuts.....	21
Figure B.3 — Example of incorrect method of slinging pairs of lifting eye nuts.....	21
Figure B.4 — Illustration of lateral loading (to be avoided)	22

Tables

Table 1 — Dimensions M6 to M33	7
Table 2 —Dimensions M36 to M100 × 6.....	8
Table 3 — Technical delivery conditions and relevant standards.....	10
Table 4 — Minimum breaking forces	11
Table 5 — Load-bearing capacity depending on direction of loading	13
Table B.1 — Relationship between this document and the EC Directive 2006/42/EC.....	16
Table B.2 — Hazards and related requirements.....	17
Table B.3 — Test loads for deformation test.....	18
Table B.4 — Contents of the instructions for use.....	19