DIN 74361-3:2023-07 (E)

Disc wheels for motor vehicles and trailers - Part 3: Dimensions and fastening devices for hub-centering

Contents

Page

Foreword ... 3
1 Scope ... 4
2 Normative references ... 4
3 Terms and definitions ... 4
4 Symbols ... 4
5 Dimensions, designation ... 5
5.1 Wheel attachment ... 5
5.2 Wheel nuts ... 7
5.2.1 Wheel nuts with thrust plate N ... 7
5.2.2 Wheel nuts with short guide shaft K ... 9
5.2.3 Wheel nuts with long guide shaft L ... 10
5.2.4 Dimensions of wheel nuts with short guide shaft and wheel nuts with long guide shaft ... 11
6 Technical delivery conditions ... 11
6.1 Wheels ... 11
6.2 Wheel nuts and wheel bolts ... 12
6.2.1 Property class and material ... 12
6.2.2 Designs ... 12
6.2.3 Surface finish ... 12
6.2.4 Marking ... 12
Bibliography ... 14

Figures

Figure 1 — Single-wheel attachment — Design example ... 5
Figure 2 — Detail X for single wheel attachment ... 5
Figure 3 — Twin-wheel attachment — Design example ... 6
Figure 4 — Detail Y for twin-wheel attachment ... 6
Figure 5 — Wheel nut with thrust plate ... 8
Figure 6 — Single-wheel attachment with wheel nuts with short guide shaft K — Design example ... 9
Figure 7 — Twin-wheel attachment with wheel nuts with short guide shaft K — Design example ... 9
Figure 8 — Wheel nut with short guide shaft K ... 9
Figure 9 — Twin-wheel attachment with wheel nuts with long guide shaft L — Design example ... 10
Figure 10 — Wheel nut with long guide shaft L ... 10
Figure 11 — Examples of current wheel nut marking ... 13

Tables

Table 1 — Dimensions of single-wheel and twin-wheel attachments ... 7
Table 2 — Dimensions of wheel nuts with thrust plate N ... 8
Table 3 — Assembly dimensions for wheel nuts K and L ... 11
Table 4 — Dimensions of wheel nuts with short guide shaft and wheel nuts with long guide shaft, K and L ... 11