DIN 6535:2024-03 (E)

Cylindrical shanks made of hard materials for machining tools - Dimensions

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Dimensions and designation 5
4.1 General 5
4.2 Type HA: Plain cylindrical shank 5
4.3 Type HB: Single-flatted cylindrical shank 5
4.4 Type HE: Cylindrical shank with inclined clamping surface 8
4.5 Type HF: Cylindrical shank with a 90° conical fitting for cooling lubricant supply 10
4.5.1 General 10
4.5.2 Design A with central cooling lubricant supply 10
4.5.3 Design B with decentralized cooling lubricant supply with cooling channel connection 10
4.5.4 Design C with decentralized cooling lubricant supply with double cone 11
4.5.5 Dimensions 12

5 Design 12

Bibliography 13

Figures

Figure 1 — Type HA: Plain cylindrical shank 5

Figure 2 — Type HB: Single-flatted cylindrical shank (d_1 = 6 mm to 20 mm) 6

Figure 3 — Type HB: Double-flatted cylindrical shank (d_1 = 25 mm and 32 mm) 6

Figure 4 — Type HE: Cylindrical shank with inclined clamping surface (d_1 = 6 mm to 20 mm) 8

Figure 5 — Type HE: Cylindrical shank with inclined clamping surface (d_1 = 25 mm and 32 mm) 9

Figure 6 — Type HF, design A: Central cooling lubricant supply 10

Figure 7 — Type HF, design B: Decentralized cooling lubricant supply with cooling channel connection 11

Figure 8 — Type HF, design C: Decentralized cooling lubricant supply with double cone 11

Tables

Table 1 — Type HA: Plain cylindrical shank, dimensions 5

Table 2 — Type HB: Double-flatted cylindrical shank, dimensions 7

Table 3 — Type HE: Cylindrical shank with inclined clamping surface, dimensions 9

Table 4 — Type HF: Cylindrical shank for MQL, dimensions 12