

DIN 14333:2023-08 (E)

Hose couplings Storz System PN 16 for delivery and suction

Contents

Page

Foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions.....	6
4 Dimensions, designation.....	6
4.1 General	6
4.2 Assembly and designation.....	6
4.3 Lug part (no. 1).....	8
4.4 Hose tail (no. 2).....	11
4.4.1 Hose coupling hose tail for delivery (D)	11
4.4.2 Hose coupling hose tail for delivery and suction (DS)	13
4.5 Locking ring (no. 3).....	16
4.6 Storz sealing ring, delivery or delivery/suction (no. 4).....	16
5 Material	19
5.1 General	19
5.2 For lug part (no. 1).....	19
5.3 For hose tail (no. 2).....	19
5.4 For locking ring (no. 3).....	19
5.5 For Storz sealing ring (no. 4)	19
6 Requirements	19
7 Marking	20
7.1 General	20
7.2 Lug part (no. 1).....	20
8 Tests (verification)	21
Annex A (normative) Explanatory notes.....	22
Bibliography	24

Figures

Figure 1 — Assembly of the hose coupling	7
Figure 2 — Hose coupling lug part	8
Figure 3 — Hose coupling hose tail for delivery (D).....	11
Figure 4 — Hose coupling hose tail for delivery and suction (DS).....	13
Figure 5 — Locking ring.....	16
Figure 6 — Storz sealing ring, delivery	17
Figure 7 — Storz sealing ring, delivery/suction	17
Figure 8 — Example of a mark.....	21

Tables

Table 1 — Assembly of hose coupling (no. 1 to no. 4 from Figure 1)	7
Table 2 — Table of dimensions for hose coupling lug part (KT) in Figure 2	9
Table 3 — Table of dimensions for hose coupling hose tail for delivery (D) in Figure 3 (ES).....	12
Table 4 — Table of dimensions for hose coupling hose tail for delivery and suction (DS) in Figure 4 (ESS).....	14
Table 5 — Locking ring (dimensions for Figure 5) (SP)	16
Table 6 — Storz sealing ring, delivery (dimensions for Figure 6 and hardness) (DR)	18
Table 7 — Storz sealing ring, delivery/suction (dimensions for Figure 7 and hardness) (SR)	18
Table 8 — Connecting moments and mass	20