DIN EN 14423:2013-09 (E)

Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 5

4 General requirements 6

5 Design and designation of coupling assemblies 6
5.1 Design 6
5.2 Ordering designation system 9

6 Hose dimensions 9

7 Design and dimensions 9
7.1 General 9
7.2 Tail end fittings 10
7.3 Connectors 10
7.4 Clamps 17

8 Bolts and nuts 20

9 Materials 20
9.1 Tail end fittings 20
9.2 Weld-neck collars and flanges according to EN 1092-1 21
9.3 Loose flanges according to EN 1092-1 22
9.4 Union nuts 22
9.5 Wire ring 22
9.6 Gaskets 22
9.7 Clamps 22
9.8 Bolts and nuts 23

10 Marking 23
10.1 Hose fittings 23
10.2 Weld-neck collars and loose flanges 23
10.3 Union nuts 23
10.4 Clamps 23

11 Type testing and quality control 24
11.1 General 24
11.2 Type-test 24
11.3 Sampling 24

12 Mounting of hose fittings 24

Bibliography 25