DIN EN 1254-8:2025-04 (E)

Copper and copper alloys - Plumbing fittings - Part 8: Press fittings for use with plastics and multilayer pipes (includes Amendment A1:2025)

Contents

Page

European foreword 4

Introduction 6

1 Scope 7

2 Normative references 8

3 Terms and definitions 10

4 Product characteristics 10
4.1 Internal pressure 10
4.2 Tightness 10
4.3 Resistance to high temperature for fittings with elastomeric seals (for heating networks) 11
4.4 Release of dangerous substances 12
4.5 Durability 12
4.6 Wall thickness at threaded portions of adaptor fittings 13
4.7 Dimensions of tail pipe ends for swivel fittings 13
4.8 Dimensions of gas union connectors 13
4.9 Threaded end dimensions 13
4.10 Other adapter ends (not defined in !EN 1254-20:2021+A1:2025") 13
4.11 Bore dimensions 13
4.12 Identity of elastomeric sealing material for liquid applications 13
4.13 Identity of elastomeric sealing material for gas applications 14
4.14 Pipe abutment 14
4.15 Alignment of the fitting ends 14
4.16 Shapes for tightening systems 14
4.17 Surface condition 14
4.18 Plated or coated surfaces 14
4.19 Internal support 14
4.20 !Wall thickness of the fitting body" 14

5 Testing, assessment and sampling methods 15
5.1 General 15
5.2 Internal pressure 15
5.3 Tightness 16
5.4 Durability 19
5.5 Wall thickness at threaded portions of adaptor fittings 20
5.6 Dimensions of tail pipe ends for swivel fittings 20
5.7 Dimensions of gas union connectors 21
5.8 Threaded end dimensions 21
5.9 Bore dimensions 21
5.10 Identity of elastomeric sealing material for liquid applications 21
5.11 Identity of elastomeric sealing material for gas applications 21
5.12 Alignment of the fitting ends 21
5.13 !Wall thickness of the fitting body" 21

6 Evaluation of conformity 22
6.1 General 22
6.2 Type testing 22
6.3 Factory production control (FPC) 27

7 Designation 31

8 Marking, labelling and packaging 31
8.1 General 31
8.2 Additional marking 31
8.3 Dezincification resistant copper zinc alloys 32

Bibliography 33