

DIN EN 1254-6:2025-04 (E)

Copper and copper alloys - Plumbing fittings - Part 6: Push-fit fittings for use with metallic tubes, plastics and multilayer pipes (includes Amendment A1:2025)

Contents		Page
European foreword.....		4
Introduction		6
1	Scope.....	7
2	Normative references.....	7
3	Terms and definitions	9
4	Product characteristics.....	9
4.1	Internal pressure	9
4.2	Tightness	9
4.3	Resistance to high temperature (for heating networks)	10
4.4	Release of dangerous substances.....	10
4.5	Durability.....	11
4.6	Wall thickness at threaded portions of adaptor fittings.....	11
4.7	Dimensions of tail pipe ends for swivel fittings	11
4.8	Threaded end dimensions	12
4.9	Other adapter ends (not defined in [A1] EN 1254-20:2021+A1:2025) [A1]	12
4.10	Bore dimensions.....	12
4.11	Identity of elastomeric sealing material.....	12
4.12	Tube / pipe abutment.....	12
4.13	Alignment of the fitting ends.....	12
4.14	Shapes for tightening systems.....	13
4.15	Surface condition	13
4.16	Disconnection and re-use (for fittings capable of being disconnected)	13
4.17	Plated or coated surfaces	13
4.18	[A1] Wall thickness of the fitting body	13
5	Testing, assessment and sampling methods	13
5.1	General.....	13
5.2	Internal hydrostatic pressure test.....	14
5.3	Tightness	14
5.4	Durability.....	18
5.5	Wall thickness at threaded portions of adaptor fittings.....	19
5.6	Dimensions of tail pipe ends for swivel fittings	19
5.7	Threaded end dimensions	19
5.8	Bore dimensions.....	19
5.9	Identity of elastomeric sealing material for liquid applications	19
5.10	Alignment of the fitting ends.....	19
5.11	Disconnection and re-use (for fittings capable of being disconnected)	20
5.12	[A1] Wall thickness of the fitting body	20
6	Evaluation of conformity	20
6.1	General.....	20
6.2	Type testing.....	20
6.3	Test reports.....	23
6.4	Factory production control (FPC)	23
7	Designation.....	26

8	Marking, labelling and packaging.....	26
8.1	General	26
8.2	Dezincification resistant copper zinc alloys	26
	Annex A (normative) Operating temperatures and design pressures	27
	Bibliography	29