

Plumbing Press Fittings Data Sheet



The Lawton Copper Press range is available in sizes 15mm - 108mm. Perfect for heat-free installation in potable water, heating, cooling, and oil-free compressed air applications; this innovative product comes with an unbeatable 75-year warranty, showcasing our commitment to quality and reliability.



Lawton Press Fittings	15mm - 108mm
Applications	Potable Water, Heating and Cooling Oil-free Compressed Air
Market Segment	Domestic and Commercial
Approvals	KIWA REG4 and WRAS

Materials	CW024A Copper and CW602N DZR Brass
Sealing	EPDM O-Ring
Press Configuration	M-Profile
Maximum Operating Parameters (Liquid)	16 bar (-20°C - 110°C)
Maximum Operating Parameters (Negative Pressure)	>0.2 bar (-20°C - 110°C)
Maximum Operating Parameters (Oil-free compressed air)	10 bar (5°C - 35°C)
Dimensions	See Webpage
Product Marking	Size, LTC Logo, EN1254
Warranty	75 Years (See website for T&Cs)
Electrical Continuity	Yes
Thread Specification	Male - ISO 7/EN10226-1 Female - BS EN ISO 228
Assembly Instructions	See webpage
Features	Leak Before Press O-Ring (up to and including 54mm) Leak Before Press Indicator (Black) No solder required No hot works permits needed
Standard	EN 1254-7

Copper Tube Compatibility

Copper Tube to BS EN 1057

Temper:

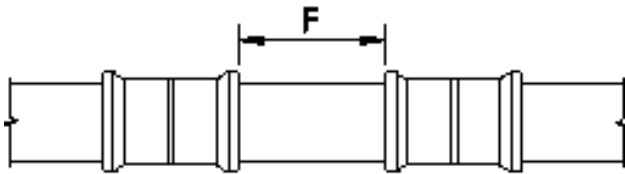
R250 - Half-hard, bendable

R290 - Hard, unbendable

Outside diameter	0.7mm	0.9mm	1.0mm	1.2mm	1.5mm	2.0mm	2.5mm
15mm	R250 R290		R250 R290				
22mm		R250 R290		R250 R290			
28mm		R250 R290		R250 R290			
35mm			R290	R250 R290	R290		
42mm			R290	R250 R290	R290		
54mm			R290	R290	R290		
66.7mm				R290		R290	
76.1mm					R290	R290	
108mm					R290		R290

Distance between fittings:

It is recommended to maintain a minimum distance between each fitting to account for the deformation of the tube profile when pressed. This also applies to localised annealing.



Tube Size	Minimum Clearance F (mm)
15mm	13
22mm	13
28mm	13
35mm	13
42mm	16
54mm	20
66.7mm	30
76.1mm	40
108mm	50

Dissimilar metals:

Installations containing mixed metals are generally to be avoided. Metals that are not close to each other on the galvanic scale can corrode when connected directly together.

If dissimilar metals are required in the same system, we recommend the Water Regulations Guide is adhered to.

Tools approved for use with Lawton Tube Press Fittings

It is imperative that matching tools, adaptors, pressing jaws and sling from a single manufacturer are used during installation.

Manufacturer	Model	Diameters (mm)	Pressing Jaws	Adaptors	Sling
Novopress	ACO103	15 - 28	PB1 M15 - M28	—	—
	ACO203	15 - 35	PB2 M15 - M35	—	—
		42 - 54	—	ZB203	PSL M42 - M54
	ACO203XL	15 - 35	PB2 M15 - M35	—	—
		42 - 54	—	ZB203	PSL M42 - M54
		66.7 - 76.1	—	ZB221	PSL M67 - M76
		108	—	ZB221 + ZB222 ¹	PSL 108 Copper only PSL M108
Geberit	ACO103plus	15 - 35	Comp. [1] 15 - 35	—	—
	ACO203plus	15 - 35	Comp. [2] 15 - 35	—	—
		42 - 66.7	—	ZB203A	Comp. [2] 42 - 66.7
	ACO203XLplus	15 - 35	Comp. [2] 15 - 35	—	—
		42 - 66.7	—	ZB203A	Comp. [2] 42 - 66.7
		76.1 - 88.9	—	ZB221	Comp. [2XL] - 76.1 - 88.9
		108	—	ZB221 + ZB222	Comp. [2XL] 108
Rothenberger	Compact TT	15 - 28	Compact M15 - M28	—	—
	Compact 3	15 - 35	Compact M15 - M35	—	—
	Romax 4000	15 - 35	Standard M15 - M35	—	—
		42 - 54	—	ZBS1	M42 - M54
Rems	Mini-Press	15 - 28	M15 - M28	—	—
	Akku-Press	15 - 28	M15 - M28	—	—

1. ZB221 and ZB222 act as the first and second stages respectively during the two-stage pressing process for M108 collar.

For more details, please refer to our website or contact us by e-mail at technical@lawtontubes.co.uk