

Press Technical Data Sheet



The Lawton Press range is available in sizes from 15-108mm. Perfect for heat-free installations in potable water, heating, and cooling applications; this innovative product comes with an unbeatable 30-year warranty, showcasing our commitment to quality and reliability.



Lawton Press Fittings	15-108mm
Applications	Potable water, Heating and Cooling
Market Segmentation	Domestic and Commercial
Approvals	REG 4 and WRAS

Materials:	Copper and DZR brass (CW602N)
Sealing:	EPDM O-ring
Press Configuration:	M-profile
Maximum Operating Pressure (Liquid):	16 bar (-20°C - 110°C)
Maximum Operating Pressure (Negative Pressure):	>0.2 bar (-20°C - 110°C)
Dimensions:	See webpage
Product Marking:	Size, LTC logo, EN1254
Warranty:	30 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 (only 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:

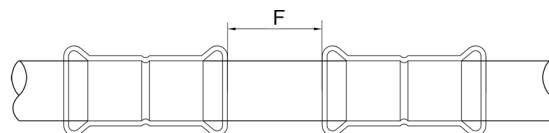
Copper Tube to BS EN 1057 - Tempers are R250 (half hard, can be bent) or R290 (hard, cannot be bent).

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.

F = Clearance between fitting ends.



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 Copper Press Fittings

It is imperative that matching tools, adaptors, pressing jaws and slings 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 ²
		108	—	ZB221 + ZB222 ¹	PSL 108 Copper only PSL M108.0
Rothenberger	Compact TT	15 - 28	Compact M15 - M28	—	—
	Compact 3	15 - 35	Compact M15 - M35	—	—
	Romax 4000	15 - 35	Standard M15 - 35	—	—
		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.

2. PSL 66.7mm sling with serial numbers beginning with "SB" shall not be used for press fitting installation.

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