

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, and cooling applications; this innovative product comes with an unbeatable 30-year warranty, showcasing our commitment to quality and reliability.



Lawton Press Fittings	15mm - 108mm
Applications	Potable Water, Heating and Cooling
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 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 (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:

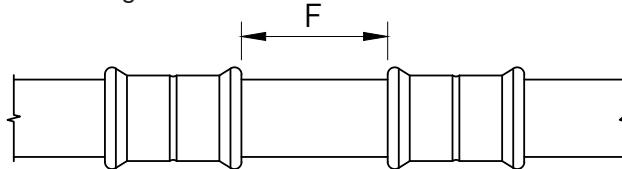
R250 - Half-hard, bendable

R290 - Hard, unbendable

Outside diameter	Wall						
	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			R250 R290	R250 R290	R290		
42mm			R250 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.

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