

Gas Press Fittings Data Sheet



The Lawton Press Gas range is available in sizes 15mm - 54mm. Perfect for heat-free installation in Family 2 and Family 3 fuel gas systems; this innovative product comes with an unbeatable 75-year warranty, showcasing our commitment to quality and reliability.



Lawton Press Fittings	15mm - 54mm
Applications	Family 2 and Family 3 Fuel Gas Systems Compressed air
Market Segment	Domestic and Commercial

Materials	CW024A Copper and CW602N DZR Brass
Sealing	HNBR O-Ring - Yellow
Press Configuration	M-Profile
Maximum Operating Pressure (Fuel Gas)	5 bar - Outdoors, 1 bar - Indoors
Maximum Operating Pressure (Negative Pressure)	>0.2 bar
Maximum Operating Parameters (Compressed Air)	10 bar (5°C - 35°C)
Ambient Temperature Range	-20°C to 70°C
Dimensions	See Webpage
Product Marking	Size, LTC Logo, EN1254
Guarantee	75 Years (See website for full T&Cs)
Electrical Continuity	Yes
Thread Specification	Male - ISO 7/EN10226-1 Female - BS EN ISO 228
Assembly Instructions	See Webpage
Features	For safety purposes - No leak before press O-ring Leak before Press Indicator (Yellow) No solder required No hot works permits needed
Standard	EN 1254-7

Copper Tube Compatibility

Copper Tube to BS EN 1057

Temper:

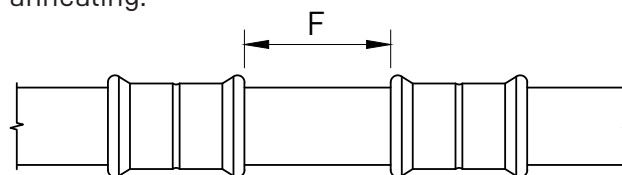
R250 - Half-hard, bendable

R290 - Hard, unbendable

Outside diameter	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			R290	R250 R290	R290		
42mm			R290	R250 R290	R290		
54mm			R290	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

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 Gas Safety (Installation and Use) Regulations 1998 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	—	—
Geberit	ACO103plus	15 - 35	Comp. [1] 15 - 35	—	—
		42 - 54	—	ZB203A	Comp. [2] 42 - 54
	ACO203plus	15 - 35	Comp. [2] 15 - 35	—	—
		42 - 54	—	ZB203A	Comp. [2] 42 - 54
	ACO203XLplus	15 - 35	Comp. [2] 15 - 35	—	—
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	—	—

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