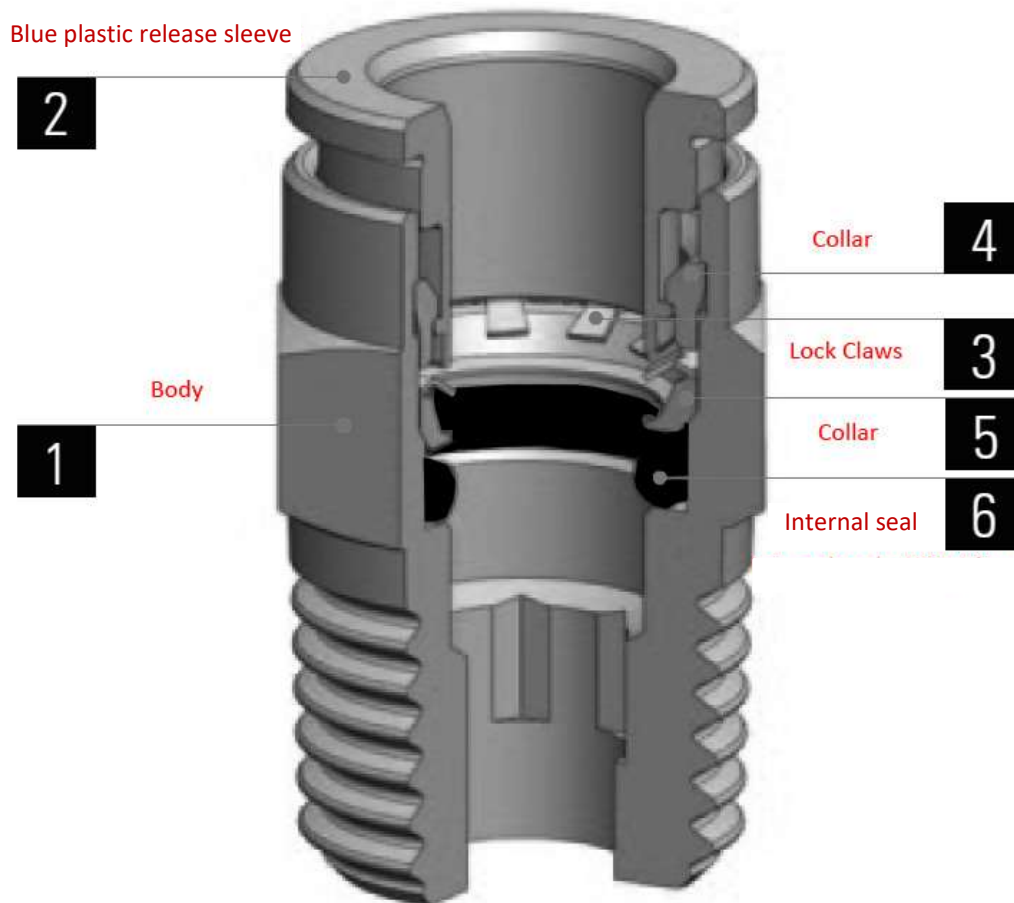


## ES2C5 Pneumatics hose fittings – how they operate

Quick fit hose connectors are fitted to all the components on the Pneumate200 trainer board in order to allow quick and easy assembly/ disassembly of circuits. You should make yourselves aware of how these work and use them accordingly so that you do not endanger yourself or damage the equipment.



**Figure 1.** Section view through a hose fitting, allowing the various components to be seen.

The hose is inserted from the top, through the blue plastic sleeve (2). When inserting hoses into these fittings, hold the hose close to its end (otherwise it flexes and buckles) and push it firmly into the fitting. The hose needs to pass through the lock claws (3), collar (5) and the seal (6) within the fitting in order to make a good air tight connection.

The lock claws (3) allow the hose to be inserted easily but if you try to pull the hose out of the fitting, the lock claws bite into the hose, preventing its removal.

Once inserted, it should not be possible to remove the hose simply by pulling on it.

The hose is removed by pushing down on the blue plastic release sleeve (2) and pulling the hose up, out of the fitting. Pushing down on the blue plastic release sleeve (pushing it into the body of the fitting) pushes the lock claws (3) away from the hose, allowing it to be removed.