

Silver Brazing Rods



Features and Benefits

- Applications - HVAC, plumbing, medical and industrial.
- 1.5mm - 2mm depending on size of connection.
- Highly resistant to temperatures and pressures.
- Rods containing phosphorous do not require flux.
- Packaged in a protective recyclable cardboard sleeve.

Description

Brazing copper pipe to copper fittings and brass fittings is a common method to make highly reliable connections in plumbing and HVAC systems.

This method utilises a metal filler rod, called a brazing rod or a brazing alloy, to create a strong, leak-resistant connection between the copper pipe and the fitting. The process is similar to soldering, however brazing requires higher temperatures and results in a tougher joint.

Silver content varies from 0.2% to 40%. The silver in the alloy increases the “ductility” of the filler and allows it to flow at a slightly lower temperature. Higher ductility results in a better flow of solder into the joint and lowers the risk of the connection cracking due to the influence of thermal expansion and contraction or vibration. The increased silver content also allows the solder to remain strong when filling slightly larger gaps due to greater tolerances in the connection.

Product Codes and Dimensions

Item code	Description	Tube Material	Fitting Material	Rod Diameter (mm)	Rod Length (mm)	Pack Qty	Flux Required	Flux coated	Copper	Phosphorus	Silver	Zinc	Tin	Melting Range of Brazing Material (°C)	Application
19900	0.2% Silver Brazing Rod	Copper	Copper	2mm	500mm	1kg	×	×	93.5	6.3	0.2			645-815	General plumbing. Low pressure only
19901	2% Silver Brazing Rod	Copper	Copper	2mm	500mm	1kg	×	×	91.8	6.2	2			645-825	General Plumbing. Low pressure and/or vibration.
19902	5% Silver Brazing Rod	Copper	Copper	2mm	500mm	1kg	×	×	88.8	6.2	5			645-815	Plumbing, Medical & ACR applications. Steam. High pressure and/or vibration.
19903	40% Silver Brazing Rod	Copper	Brass, Gunmetal, Bronze, etc	1.5mm	500mm	5 Rods	✓	×	30		40	28	2	650-710	Copper to Cast materials such as Brass, Gunmetal & Bronze.
19904	40% Silver Flux Coated Brazing Rod	Copper	Brass, Gunmetal, Bronze, etc	1.5mm	500mm	5 Rods	×	✓	30		40	28	2	650-711	Copper to Cast materials such as Brass, Gunmetal & Bronze.



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Related Product

Flux Powder

For use with 40% silver brazing rods.

Product Code: 19905

