Key Facts

- 5% Silver content
- Brazing temperature approx 860 C
- High strength, self-fluxing torch alloy for copper to copper; and copper to brass with flux.
- Designed to produce smooth thin fillets in clean copper-to-copper joints without flux.
- Provides excellent corrosion resistance and will withstand severe vibrations.
- Use with flux for joining copper to brass or bronze.
- Not recommended for steel or nickel alloys

Description

This alloy is used for the brazing of non-ferrous metals giving a strong joint on copper, brass and bronze. Excellent capillary action.

Classification, Approvals & Conformances

AWS/ASME A5.8 BCuP3

Applications

Used to braze copper and its alloys. Can be used to bridge gaps where close fit-up can't be maintained. Also suitable in the joining of copper and tubing on electrical work.

- Brazing copper and copper alloys
- Good for bridging gaps on poor fitting components
- Fabricate and repair copper air conditioning components, refrigeration components, radiators, heat exchangers, and other devices made from copper sheet and fittings.
- Join copper bus bards, electrical conduit, cable, and fabricated copper vessels.
- Join copper without flux in applications where flux is detrimental.

Typical Analysis/Composition

Ag - Silver	P – Phosphorus	Cu - Copper	Other
4.5 – 5.5	5.0 – 7.0	Balance	

Typical Weld Mechanical Properties

Tensile Strength:	400 MPa
Solidus:	643^{o}C
Liquidus Temp:	812 – 819^{o}C
Brazing Temp:	716 – 816^{o}C

Packaging & Ordering Information

Size	Weight	Part Number
2.4mm	1kg	300202
3.2mm	1kg	300203