

# FONTARGEN A 317

## Silver brazing alloy, cadmium-free



ISO 17672:	Ag 160
DIN EN 1044:	AG 402
EN ISO 3677:	B-Ag60CuSn-600/720
AWS A 5.8:	BAg-18
AMS:	4773 F

### Composition, typical analysis (% w/w):

Ag	Cu	Sn
60	30	10

### Mechanical and physical properties:

Working temperature:	720 °C
Melting range:	602 - 718 °C
Specific gravity:	9.8 g/cm <sup>3</sup>
Tensile strength:	390 - 460 N/mm <sup>2</sup>
Elongation:	35 %
Electrical conductivity:	8.7 Sm/mm <sup>2</sup>

### Characteristics / Applications:

Zinc- and cadmium free silver brazing alloy, low vacuum-resistant for gap brazing of alloyed and unalloyed steel, nickel and nickel alloys, malleable cast iron, copper and copper alloys. Excellent in reducing atmospheres since no contamination of the furnace can occur through the evaporation of the contents of the alloy. Particularly well suited for brazing on supply circuits in aircraft constructions.

### Heat sources:

Acetylene torch, air-gas torch, induction and resistance heating, inert-gas furnace, vacuum furnace

### Flux:

F 300 - Series → Choose the flux depending on the base material

### Availability:

Bare rods	Coated rods	Wire	Foil	Preforms	Powder	Paste
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