



THE HARRIS PRODUCTS GROUP  
A LINCOLN ELECTRIC COMPANY  
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## TECHNICAL SPECIFICATION SHEET

ISO 9001  
Cert. No. 31598

### HARRIS 0 BRAZING FILLER METAL

#### NOMINAL CHEMICAL COMPOSITION:

Phosphorus	7.0-7.5 %
Copper	Remainder
Other Totals	0.15 % Maximum

#### PHYSICAL PROPERTIES:

Solidus	1310°F (710°C)	Specific Gravity	8.76
Liquidus	1473-1476°F (800-802°C)	Electrical Conductivity	(IACS%) 9.91
Brazing Temperature Range	1300-1500°F (704-816°C)	Electrical Resistivity	19.20

#### BRAZING PROPERTIES:

Designed primarily for copper to copper brazing application, Harris 0 is an economical alloy for use where joint clearances are close; less than 0.005". Harris 0 flows quickly, and may be used in brazing brass with the use of Stay-Silv® brazing flux. Harris 0 is not recommended for brazing steel or other ferrous metals.

#### AVAILABLE FORMS:

Standard wire diameters, preformed rings,

#### SPECIFICATION COMPLIANCE:

ANSI/AWS A5.8, Class BCuP-2, ASME SFA 5.8, Class BCuP-2  
QQB 650C, Class BCuP-2

#### RECOMMENDED FLUX:

No flux required on copper Stay-Silv white or black brazing flux with brasses

**WARNING: PROTECT** yourself and others. Read and understand this information.

**FUMES AND GASES** can be hazardous to your health.

**ARC RAYS** can injure eyes and burn skin.

**ELECTRIC SHOCK** can KILL.

- Before use, read and understand the manufacturer's instructions, Material Safety Data Sheets (MSDS), and your employer's safety practices.
- Keep your head out of fumes.
- Use enough ventilation, exhaust at the arc, or both, to keep fumes and gases from your breathing zone and the general area.
- Wear correct eye, ear, and body protection.
- Do not touch live electrical parts.
- See American National Standard Z49.1, *Safety in Welding, Cutting, and Allied Processes*, published by the American Welding Society, 550 N.W. LeJeune Road, Miami, Florida 33126; OSHA Safety and Health Standards, available from the U.S. Government Office, Washington, DC 20402.

#### STATEMENT OF LIABILITY- DISCLAIMER

Any suggestion of product applications or results is given without representation or warranty, either expressed or implied. Without exception or limitation, there are no warranties of merchantability or of fitness for particular purpose or application. The user must fully evaluate every process and application in all aspects, including suitability, compliance with applicable law and non-infringement of the rights of others. The Harris Products Group and its affiliates shall have no liability in respect thereof.

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