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# ARGUNA® 635

## HARD SILVER ELECTROLYTE

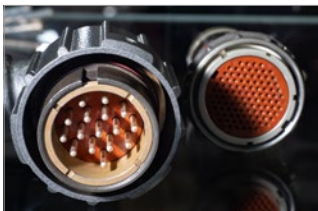


### For brilliant coatings

The silver electrolyte ARGUNA® 635 is used for the deposition of bright silver coatings for technical and decorative applications. Despite a low alloy content, a high hardness of up to 150 HV is possible and the coatings can be classified according to ASTM B700 type 2.

Compared to fine silver, the electrolyte impresses with improved abrasion behavior and increased vibration resistance. Depending on the working parameters, the electrolyte is suitable for continuous, rack and barrel processing. It can also be used to deposit thick coatings with a glossy finish.

The coatings have very good electrical properties and a permanently high coating hardness.



### Advantages

- Very good electrical properties
- Permanent high hardness
- Improved abrasion behavior
- Suitable for rack and barrel products

### Applications

- Connectors
- Electrical contacts
- Stressed silver surfaces

# ARGUNA<sup>®</sup> 635

## HARD SILVER ELECTROLYTE

### TECHNICAL SPECIFICATIONS

Electrolyte characteristics		Coating characteristics	
Electrolyte type	Alkaline-cyanide	Coating	Hard silver
Metal content	40 g/l Ag 50 g/l KCN	Purity	approx. 99 wt.% Ag
pH value	>13	Colour of deposit	white
Operating temperature	20 - 25 °C	Brightness	Bright, brilliant
Current density range		Hardness of deposit	
Rack operation	0.5 - 5 A/dm <sup>2</sup>	Directly after plating	approx. 170 - 190 HV
Barrel operation	0.5 - 2 A/dm <sup>2</sup>	After heat treatment	approx. 130 - 150 HV
Plating speed	1 µm in 1.5 min at 1 A/dm <sup>2</sup>	Max. coating thickness	> 50 µm
		Density	10.5 g/cm <sup>3</sup>

### YOUR CONTACT

Do you have a specific question or would you like a no-obligation quote calculation?  
Our specialist will be happy to help you with any technical questions you might have.



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