

Capillary Blocks

Introduction

The hermetic package manufacturing process currently uses cut wire for joining the package frame to the base. The wire can shift during setup and reflow, creating a number of quality issues. Using frame preforms can be costly and have long lead times when tooling setups are required. Because Indium Corporation understands these issues, we have introduced **capillary blocks** to replace the current process of using cut wire and frame preforms.



Applications

Indium Corporation is committed to understanding our customers' applications and then designing products such as capillary blocks to increase yields and lower cost of ownership for hermetic package manufacturing.

Capillary blocks are used for brazing the hermetic package frame to the base. It replaces the current process of using cut wire and frame preforms.

The advantage of using capillary blocks is that their square shape stays in place as they run through the belt furnace during reflow. The design also allows it to sit tight in the joint to help aid in the capillary action.

Precision

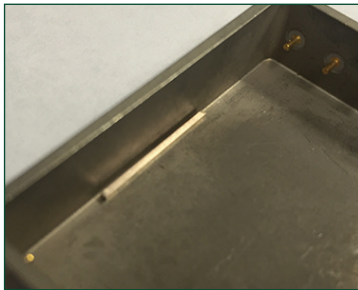
Indium Corporation uses world class manufacturing processes to create the most precise preforms for all your joining needs. Over 80 years of experience in the metal-working business has helped us grow to be a leading supplier of stamped preforms for high-value applications such as medical implantable devices, aerospace high-temperature joining, automotive under-the-hood applications including power devices, as well as downhole joining applications.

Available Forms

- .030" wide x .030" height x specified length
- Length is determined by the amount braze needed for the joint

Available Alloys

- 72Ag/28Cu
- 72Ag/28Cu VTG
- 99.9Ag



Technical Service

Indium Corporation has a team of certified process engineers to help you select the best material for your manufacturing process. When you involve our technical experts in the initial design of your process, they can help ensure you develop an efficient and cost-effective solution. Indium Corporation has technical staff available around the globe with the skills and experience to assist you in developing your design, assembly, or process.

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Form No. 99230 R1

www.indium.com

askus@indium.com

ASIA: Singapore, Cheongju, Malaysia: +65 6268 8678
 CHINA: Suzhou, Shenzhen: +86 (0)512 628 34900
 EUROPE: Milton Keynes, Torino: +44 (0) 1908 580400
 USA: Utica, Clinton, Chicago, Rome: +1 315 853 4900



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