

HOTLINE



Cast Loop Forms For Channel Furnaces



Cast Loop Forms For Channel Furnaces Help Improve Sintering of Dry Vibratable Refractories

Care and attention to details are vital elements when it comes to the installation of a new lower case assembly and refractory on channel furnaces. From the refractory material to electrical insulation, the quality of the selected materials can affect the life and productivity of the furnace campaign. A bad decision on material can cause loss of production and therefore a loss in profits.

One element of the material selection process is the type of melt-out loop form that is selected for the lower case assembly. Melt-out loop forms come in various types of material. Wood, fabricated steel, and welded copper are a few examples of the materials that have been used for these forms, with varying degrees of success, for many years.

Today, the **cast loop form** has become an accepted standard for melt-out loop forms in the industry. **EMSCO** offers the cast loop form as an option in all of our channel furnace lower case rebuilds with dry vibratory material.

Why a Cast Loop Form?

Traditional steel fabricated loop forms are thin and additional care is required during the sintering process. Weld quality can also be a concern. If a weld should break during the sintering process, the entire lower case would need to be removed and relined again. This increases cost and keeps the furnace out of production even longer. The cast loop form offers a thicker wall section compared to the traditional steel fabricated form. Cast loop forms are stress-relieved, normalized, and adhere to ASTM-A27 specifications. In addition, only the Cast Loop Form offers magnetic particle inspection to insure the quality of every form. The result to you is a smoother, trouble free, sintering process for your channel furnace.



BULLETIN M21/1M/0408

Non-Ferrous Channel Operators Also Have Options

EMSCO also offers a full line of cast copper loop forms for non-ferrous channel furnace operators. In addition to the same rigid test specifications that go into the cast iron loop forms, the copper forms insure proper weight control by test comparisons with field trials and performance data.

Only EMSCO, from its fully stocked service centers located throughout North America, has the ability to offer these cast loop forms with the repair of lower case inductor assemblies.

Contact your local **EMSCO Account Manager** to find out more about cast loop forms and your next inductor rebuild.



EMSCO is ready when you need us...every day.

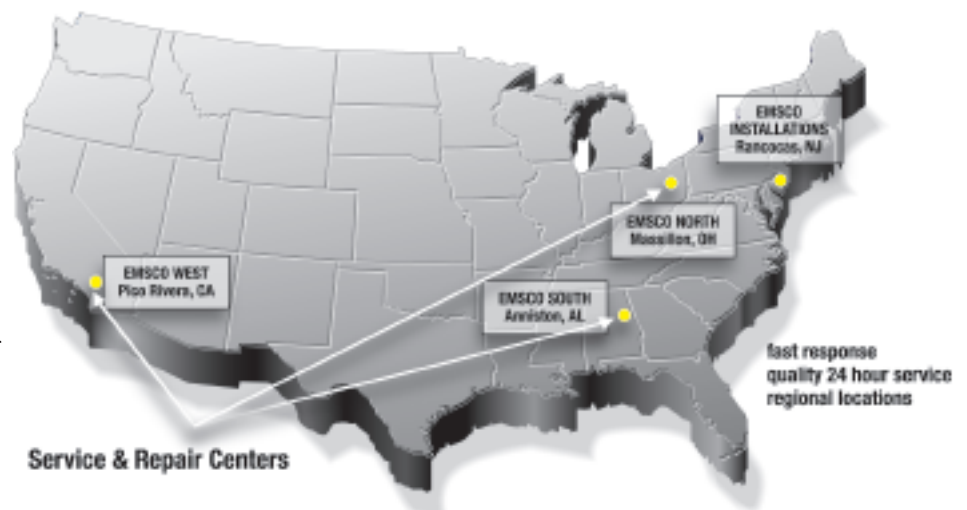
EMSCO's Commitment to you

KNOWLEDGE: EMSCO will begin each project with a customer-focused understanding of the problem to be solved and a soundly engineered approach to the solution.

COST: EMSCO will, when possible, offer more than one level of service and will explain the costs and compromises associated with each. Every option we propose will meet industry standards for safety.

QUALITY: EMSCO will understand and meet the quality expectations agreed to at the start of the project. Warranties will be explained and will set the standard for the industry.

OUR GOAL: EMSCO will provide quality services at reasonable prices so that our customers have the competitive edge in their markets.



NATIONWIDE TOLL-FREE NUMBERS

Repair Centers - 877.77.EMSCO (773.6726) | Installations - 800.858.7030

www.emsco.com