

MASKING TIP SHEET

Custom-molded push plug protects hydraulic cylinders in hostile coating environment

Problem. A hydraulics parts manufacturer was running hydraulic cylinder shells through a hostile finishing line, which included a pressure wash and a blow-off oven. Protecting the interior of the shells—and the external threads—was crucial.

- The cylinders were hung upside down during the coating process. To prevent the masks from falling out of the cylinders, they needed to fit tightly.
- In addition to the internal bore of the cylinder, a threaded portion of the bore needed protection from the coating process.



- Masks had to be tight enough to keep liquid out of the cylinder, and easy to install and remove.

Solution. An easy-to-install push plug with two ergonomic handles was custom-molded to mask the cylinder bore and threads.

The plug featured a tapered fit to protect threaded areas and an outer lip that snapped over the bore threads. Together, these features prevented liquid leaks, even under the stresses of a pressure wash. Easy to install and remove, the plug was molded to extremely tight tolerances from high-temperature-resistant material, ensuring a long service life and almost fool-proof protection during the coating process. PC

Thanks to Shercon, Santa Fe Springs, Calif.; 562/946-8555 [www.shercon.com].

