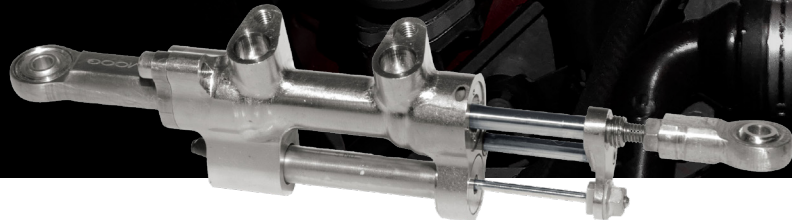


CUSTOMISABLE MINIATURE HYDRAULIC ACTUATORS

E085



Originally Developed for Motorsport Control Applications: Designed for use in high-performance motorsport control systems.

Custom Design and Optimization: The modular design concept is generally customised and optimised for each application

Compact Design: The smallest units produced to date have a 25mm stroke, 9mm piston, and 6mm piston rod.

Low Mass: The smallest units have a mass of just 65g.

Robust and Reliable: These actuators are designed to survive in high-vibration and elevated temperature environments.

Diverse Applications: These actuators have found use in various sectors, including Robotics, Oil & Gas, Aerospace Test, and Materials Handling.

Variety of Mounting Arrangements: The actuators can be configured with a variety of mounting arrangements to suit different applications.






Position Feedback: The actuators can be specified to incorporate an integral EDS (Eddy Current Sensor) or an external LVDT sensor to provide position feedback if required.

Existing Designs for Low Quantity Applications: For low quantity applications, Moog has a small range of existing designs that can be supplied.

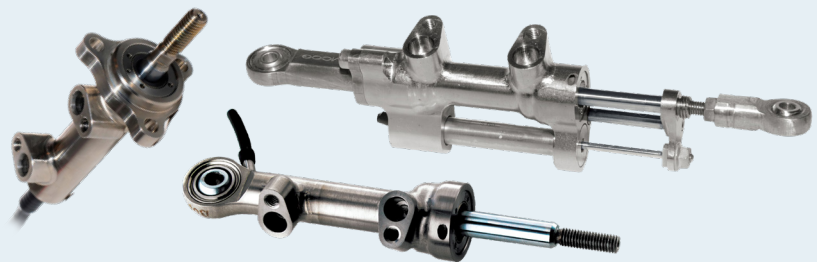
BENEFITS

- + Compact, customisable design, developed for applications where packaging and mass are critical
- + Lightweight titanium body resulting in low mass upwards 65g
- + Engineered to withstand extreme heat and intense vibrations
- + Customisable design that enables optimisation and integration for applications
- + Standard designs available for low quantity applications

TYPICAL APPLICATIONS

-  Autonomous robotics
-  Oil & Gas - downhole and sub-sea
-  Control of motorsport powertrains
-  Active aero controls
-  Wind-tunnel model positioning

CUSTOMISED MOUNTING, SENSING AND PORTING INTERFACES AVAILABLE

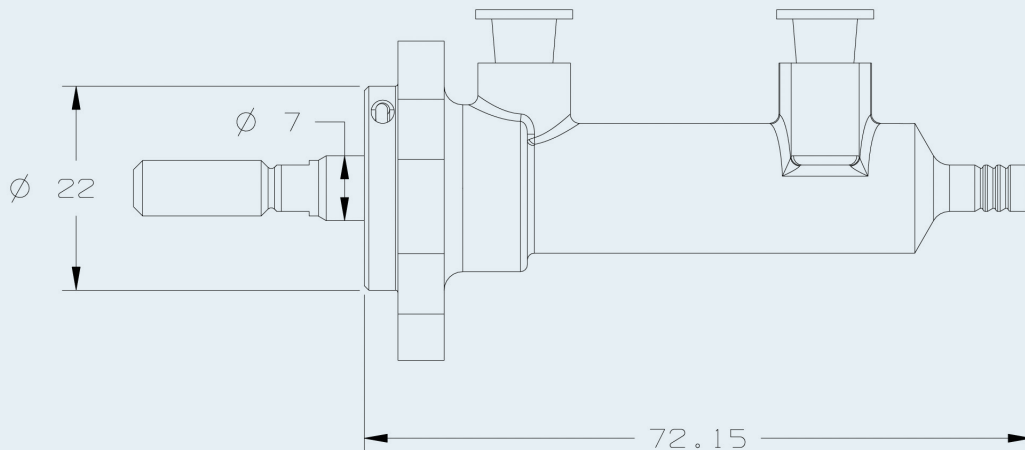


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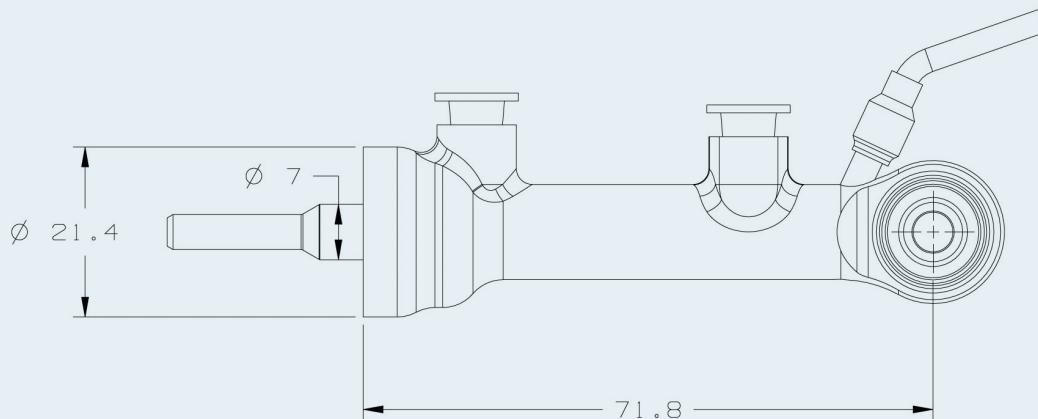
Shaping the way our world moves™

TYPICAL OUTLINE DIMENSIONS

E085-179C



E085-183C



For further information, visit:
www.moog.com/miniature

This technical data is based on current available information and is subject to change at anytime by Moog. Performance for specific systems or applications may vary.

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