



TM5 TaskMaster™ – A NFPA Cylinder Built to Perform in the Most Demanding Applications

Unexpected production interruptions and long lead times are expensive and impact your profitability. At Emerson, we recognize that you need industry-proven solutions to operate across your facility without incident. The new AVENTICS™ TM5 TaskMaster™ has been enhanced with ideal cushioning and is a best-in-class solution in industrial applications. It's rugged, non-corroding aluminum body construction and high-strength steel piston rod are paired with a complete range of standard precision-machined mountings and custom modifications.

Advantages at a glance

- Magnetic piston standard for sensors
- Rugged, non corroding aluminum tubing
- Sturdy carbon steel piston rod
- NFPA compatible

Learn more at aventics.com/taskmaster



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Your single-source provider of proven solutions

Improve productivity

- With advanced ideal cushioning, you can achieve higher speeds that result in more output to meet product demand.

Reduce machine downtime

- When the manufacturing process stops for unplanned events, production time is lost. Replacement cylinders are shipped quickly to have your machine operating sooner.

NFPA compatible

- The TM5 cylinder is designed to interchange directly with any other cylinder made to NFPA specifications.

Support

- Configure your product online to meet your needs. Our online configurator provides the part number, price, specification sheet, 2D and 3D CAD, ordering, and spare parts information.

Typical applications and industries

- Factory automation
- Packaging
- Material handling
- Lumber industry
- Automotive industry

Technical features

Bore Sizes	1.5", 2.0", 2.5", 3.25", 4.0"
Pressure Rating	Up to 145 psi
Temperature Rating	-10 to 165°F
Dimensional Standard	NFPA
Stroke	Up to 99 7/8"
Mounting styles	MP1, MP2, MP4, MF1, MF2, MS4, MS1, MS2, MT1, MT2, MX1, MX2, MX3, MX4, MX5
Rod end accessories	Rod Eye, Rod Clevis, Compensating coupling
Rod Extension	Up to 20"
Construction	Profile and Tie-rod versions
Magnetic piston	Standard, suitable for use with ST6, and SM6 series sensors

What is Ideal Cushioning?

“Ideal Cushioning” is a method to optimize cushioning leading to reduced shock/vibration, reduced noise and reduced cycle times. The direction of travel of the piston is the same throughout the entire cushioning sequence (i.e. no piston bounce) and its velocity is exactly zero when it reaches the end of its travel. The sound of end cover contact is negligible and the total cycle time is optimized.

Properly adjusted pneumatic cushioning has positive effects on the working environment and on the total working cycle time. Many OEMs and end users have used this method to greatly increase machinery productivity.

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F-TM5 / Printed in United States / 11-19