International Standard

ISO 8139

Pneumatic fluid power — Cylinders, 1 000 kPa (10 bar) series — Mounting dimensions of rod-end spherical eyes

Transmissions pneumatiques — Vérins, série 1 000 kPa (10 bar) — Dimensions d'interchangeabilité des tenons à rotule d'extrémité de tige

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Foreword

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This document was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 3, *Cylinders*.

This fifth edition cancels and replaces the fourth edition (ISO 8139:2018), which has been technically revised.

The main changes are as follows:

— Clause 2 was updated;

— Figure 1 was updated to display the position of the dimension EN taking into account the previous position of the dimension EN as mentioned in ISO 12240 series.

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Introduction

In pneumatic fluid power systems, power is transmitted and controlled through a gas under pressure within a circuit.

One component of such systems is the pneumatic fluid power cylinder. This is a device that converts power into linear mechanical force and motion. It consists of a movable element, i.e. a piston and piston rod, operating within a cylindrical bore.