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Pneumatic fluid power — Cylinders — Compact cylinders, 1 000 kPa (10 bar) series, bores from 20 mm to 100 mm

Transmissions pneumatiques — Vérins — Vérins compacts, série 1 000 kPa (10 bar), alésages de 20 mm à 100 mm

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Foreword

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ISO 21287 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 3, *Cylinders*.

Introduction

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

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

The compact cylinder series without cushioning allows the application of pneumatic cylinders within systems where “normal” pneumatic cylinder series because of their mounting dimensions cannot be used.