Second edition
2018-06

Hydraulic fluid power — Four-screw, one-piece square flange connections for use at pressures of 42 MPa, DN 25 to 80

Transmissions hydrauliques — Brides de raccordement carrées monobloc à quatre vis pour des pressions d'utilisation de 42 MPa, DN 25 à 80

Reference number
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Foreword

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This document was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 4, *Connectors and similar products and components*.

This second edition cancels and replaces the first edition (ISO 6164:1994), which has been technically revised.

The following are the main changes made since the previous edition:

— The 25 MPa flange series have been removed from the document due to same envelope dimensions versus the 40 MPa series.

— The sizes DN 10 to DN 19 have been removed from the document. These sizes are typically covered by tube fittings rather than flanges.

— The working pressure was increased from 40 MPa to 42 MPa to be in line with common hose working pressures.

— The design factor from 2,5 was increased to 4 including verification testing.

Introduction

In hydraulic fluid power systems, power is transmitted and controlled through a liquid under pressure within an enclosed circuit. Components are interconnected through their ports and associated fluid conductor connector ends.