**DRAFT AMENDMENT** ISO 1179-2:2007/DAM 1

ISO/TC **131**/SC **4** Secretariat: **ANSI**

Voting begins on **2011-03-31** Voting terminates on **2011-08-31**

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

# Connections for general use and fluid power — Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing —

## Part 2:
## Heavy-duty (S series) and light-duty (L series) stud ends with elastomeric sealing (type E)

## AMENDMENT 1

*Raccordements pour applications générales et transmissions hydrauliques et pneumatiques — Orifices et éléments mâles à filetage ISO 228-1 et joint en élastomère ou étanchéité métal sur métal —*

*Partie 2: Éléments mâles de séries légère (série L) et lourde (série S) avec joint en élastomère (type E)*

*AMENDEMENT 1*



ICS 23.100.40



## ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

**To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.**

**Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.**

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to ISO 1179-2:2007 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 4, *Connectors and similar products and components*.

# Connections for general use and fluid power — Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing —

## Part 2:
## Heavy-duty (S series) and light-duty (L series) stud ends with elastomeric sealing (type E)

## AMENDMENT 1

In Table 1 on page 4 of ISO 1179-2:2007, add a row at the bottom of the table, as follows:

| Thread | Designation |
|---|---|
| G 2 A | Elastomeric seal ISO 1179-2 – G 2 A |

In Table 2 on page 5 of ISO 1179-2:2007, add a row for stud end size G 2 before the footnotes, as follows:



Dimensions in millimetres

| Thread $d_1$[a] | $d_2$ | Maximum drill size $d_3$ | | | | $d_4$ | $d_5$ | $L_1$ | $L_2$ | $L_3$ | $L_4$ | $R_1$ | $R_2$ | $s_1$ | $W$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 -0,2 | L series | tol. | S series | tol. | +0,1 0 | 0 -0,2 | ±0,2 | min. | +0,3 0 | +0,1 0 | ±0,2 | ±0,1 | hex | |
| G 2 A | 74,9 | 40 | ±0,3 | 35 | ±0,3 | 66,9 | 56,4 | 24 | 3,5 | 5 | 3,4 | 1,6 | 0,8 | 75 | 0,2 |

In Table 3 on page 6 of ISO 1179-2:2007, add a row for stud end size G 2 before the footnotes, as follows:

| Series | Thread size | Working pressure | | Test pressures | | | |
|---|---|---|---|---|---|---|---|
| | | | | Burst | | Impulse[b] | |
| | | MPa | (bar) | MPa | (bar) | MPa | (bar) |
| S | G 2 A[c] | 25 | (250) | 100 | (1000) | 33,2 | (332) |

In Table 3 on page 6 of ISO 1179-2:2007, add a footnote c, as follows:

c The size G 2 A stud end is used in hydraulic fluid power, mainly in accumulators.

In Table 4 on page 7 of ISO 1179-2:2007, add a row for stud end size G 2 before the footnotes, as follows:

Dimensions in millimetres

| Thread size | $d_6$ | | $d_7$ | | $L_5$ | $L_6$ |
|---|---|---|---|---|---|---|
| | nom. | tol. | nom. | tol. | ±0,1 | +0,2<br>0 |
| G 2 A | 56,5 | ±0,3 | 66,5 | ±0,3 | 4 | 2,0 |

In Table 5 on page 8 of ISO 1179-2:2007, add a row for stud end size G 2 before the footnotes, as follows:

| **Series** | **Thread size** | **Torque**<br>Nm<br>+10%<br>– 0% |
|---|---|---|
| S | G 2 A | 650 |