

Hydraulic fluid power valve mounting surfaces —

Part 4: Specification for clamping dimensions of four-port sizes 03 and 05, modular stack valves and directional control valves

[ISO title: Hydraulic fluid power — Four-port modular stack
valves and four-port directional control valves, sizes 03 and 05 —
Clamping dimensions]

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Machinery and Components Standards Committee (MCE/-) to Technical Committee MCE/18 upon which the following bodies were represented:

- Advanced Manufacturing Technology Research Institute
- Association of British Mining Equipment Companies
- Bath University
- British Compressed Air Society
- British Fluid Power Association
- British Hydromechanics Research Association
- British Steel Industry
- British Telecommunications plc
- Department of Trade and Industry (National Engineering Laboratory)
- Electrical Supply Industry in England and Wales
- Federation of Manufacturers of Construction Equipment and Cranes
- Institution of Mechanical Engineers
- Ministry of Defence

This British Standard, having been prepared under the direction of the Machinery and Components Standards Committee, was published under the authority of the Board of BSI and comes into effect on 28 February 1989

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National foreword

This Part of BS 6494 has been prepared under the direction of the Machinery and Components Standards Committee and is one of a series of standards specifying dimensions and tolerances for subplate surfaces upon which hydraulic control valves are mounted. It is identical with ISO 7790:1986 “*Hydraulic fluid power — Four-port modular stack valves and four-port directional control valves, sizes 03 and 05 — Clamping dimensions*”, published by the International Organization for Standardization (ISO).

The standard is in effect an addendum to BS 6494-1 and specifies additional dimensions for the clamping height of four-port sizes 03 and 05 modular stack valves and directional control valves which are the subject of that part of this British Standard.

The identification codes used throughout this standard are explained in ISO 5783.

The other Parts of BS 6494 are as follows, the International Standards with which they are identical being given in brackets.

- *Part 1: Specification for four-port directional control valves*; (ISO 4401:1980)
- *Part 2: Specification for four-port and five-port servo-valves*;
- *Part 3: Specification for pressure-relief valves*; (ISO 6264:1987)
- *Part 5: Specification for compensated flow-control valves*; (ISO 6263:1987)
- *Part 6: Specification for pressure-control valves (excluding pressure-relief valves), sequence valves, unloading valves, throttle valves and check valves*. (ISO 5781:1987)

Similar British Standards specifying the dimensions of cavities for cartridge types of hydraulic valve are in preparation.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “Part of BS 6494”.

The identification statement specified in clause 8 should be ignored.

Cross-references

International Standard	Corresponding British Standard
ISO 129:1985 and	BS 308 <i>Engineering drawing practice</i>
ISO 1302:1978	Part 2:1985 <i>Recommendations for dimensioning and tolerancing of size</i> (Technically equivalent)
ISO 286:1962	BS 4500 <i>ISO limits and fits</i> Part 1:1969 <i>General, tolerances and deviations</i> (Technically equivalent)
ISO 965-1:1980	BS 3643 <i>Specification for ISO metric screw threads</i> Part 1:1981 <i>Principles and basic data</i> (Technically equivalent)
ISO 4401:1980	BS 6494 <i>Hydraulic fluid power valve mounting surfaces</i> Part 1:1984 <i>Specification for four-port directional control valves</i> (Identical)