
**Cycles — Pedal axle and crank
assembly with square end fitting —
Assembly dimensions**

*Cycles — Axe de pédalier et manivelle à emmanchement carré —
Dimensions d'assemblage*

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#).

The committee responsible for this document is ISO/TC 149, *Cycles*.

This second edition cancels and replaces the first edition (ISO 6695:1991), which has been technically revised with the following modifications:

- a) in Figure 1, illustration of cross section of bottom bracket spindle added;
- b) in Figure 1, illustration of crank revised and front-view added;
- c) in Figure 1, dimensions added and revised;
- d) in Figure 1 and Table 1, half wedge angle $\beta_{1/2}$ added;
- e) in Table 1, dimensions and tolerances revised and specified;
- f) editorial changes.

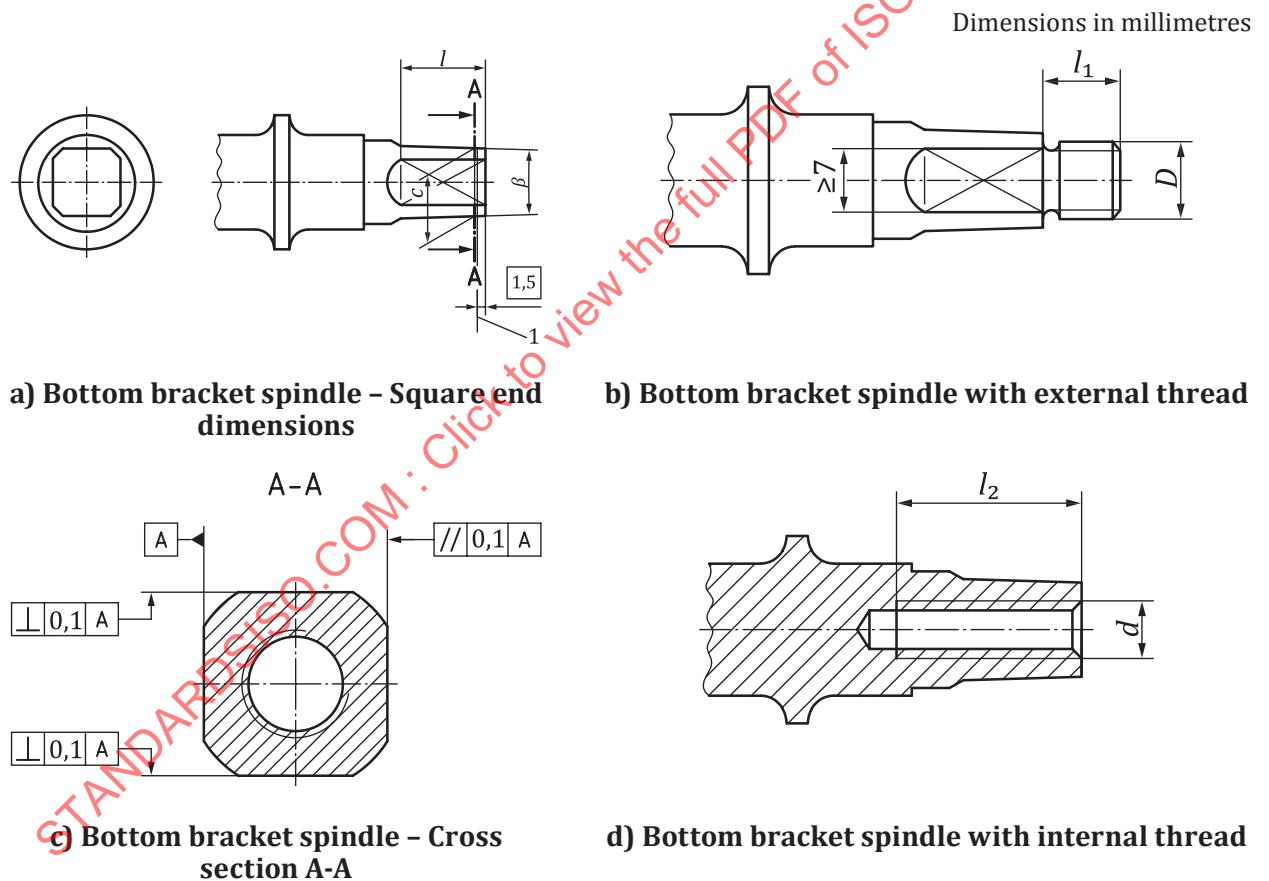
Cycles — Pedal axle and crank assembly with square end fitting — Assembly dimensions

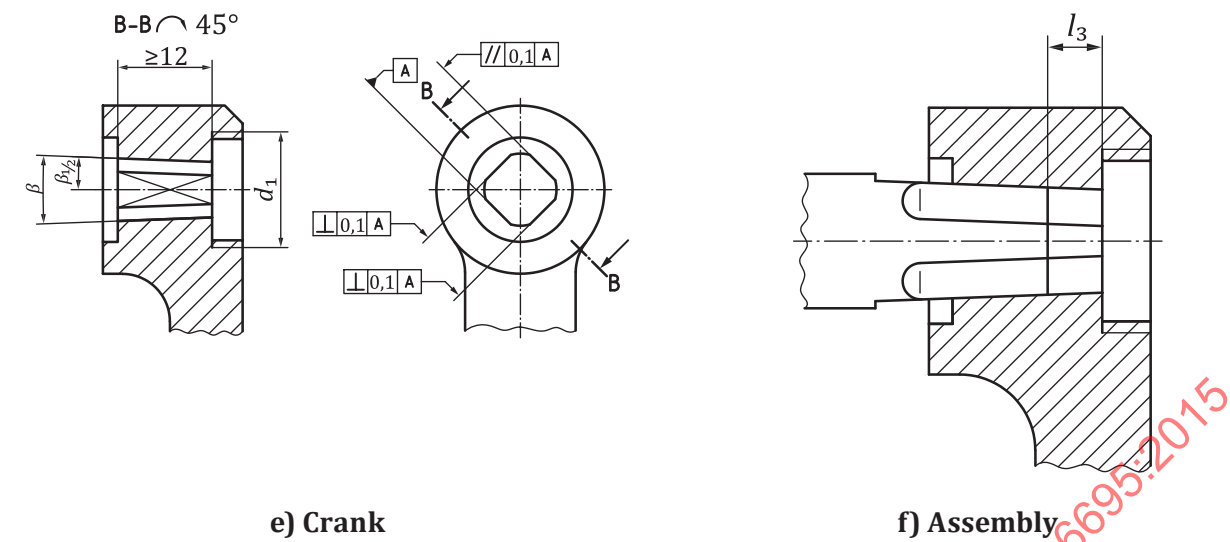
1 Scope

This International Standard specifies the dimensions for the assembly of cranks on bottom bracket spindles with square end fittings.

2 Dimensions

Dimensions for the assembly of cranks on bottom bracket spindles with square end fittings shall be as given in [Figure 1](#) and [Table 1](#).





Key
1 reference plane (section plane)

Figure 1 — Dimensions for the assembly of cranks on bottom bracket spindles with square end fittings

Table 1 — Dimensions and tolerances

Dimensions in millimetres

Spindle									Crank	Assem- bly
<i>l</i>		<i>β</i>	<i>β</i> _{1/2}	<i>c</i>	<i>D</i>	<i>l</i> ₁	<i>d</i>	<i>l</i> ₂	<i>d</i> ₁	<i>l</i> ₃ ^a
Right side	Left side									
18,0 ⁺² ₀	18,0 ⁺² ₀	4° ^{+10'} _{0'}	2° ^{+5'} _{0'}	12,73 ^{+0,020} _{-0,050}	M10 × 1,25 -6H/6g	10 ⁰ _{-0,5}	M8 × 1 -6H/6g	20,0 min.	M22 × 1 -6H/6g	1,5 ^{2,0} ₀

^a After tightening once to the supplier's recommended tightening torque.