

# Cycles

## Part 14. Specification for dimensions of bottom bracket axle and crank assembly with square end fittings

## Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the General Mechanical Engineering Standards Policy Committee (GME/-) to Technical Committee GME/25, upon which the following bodies were represented:

Association of Consulting Scientists  
Association of Consumer Research  
Association of Cycle Traders  
Bicycle Association of Great Britain  
British Battery Manufacturers' Association  
British Cycling Federation  
British Rubber Manufacturers' Association  
Consumer Policy Committee of BSI  
Cyclists Touring Club  
Department of Transport  
Institute of Trading Standards Administration  
Royal Society for the Prevention of Accidents  
Small Electrical Appliances Marketing Association  
Individual manufacturers of cycles

This British Standard, having been prepared under the direction of the General Mechanical Engineering Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 30 September 1991

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The following BSI references relate to the work on this standard:  
Committee reference GME/25  
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### Amendments issued since publication

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## National foreword

This Part of BS 6102 has been prepared under the direction of the General Mechanical Engineering Standards Policy Committee and forms part of a series implementing corresponding international standards in the development of which the United Kingdom has played an active part.

This standard is identical with ISO 6695 : 1991 'Cycles — Pedal axle and crank assembly with square end fitting — Assembly dimensions', which was prepared by Technical Committee ISO/TC149 of the International Organization for Standardization (ISO).

*Textual errors.* When adopting the text of the international standard, the textual errors listed below were discovered. They have been marked in the text and have been reported to ISO in a proposal to amend the text of the international standard.

In clause 1, lines 2 to 3, and in clause 2, lines 1 to 2, 'bottom bracket pedal axles' should read 'bottom bracket axles' or 'crank axles'.

**Compliance with a British Standard does not of itself confer immunity from legal obligations.**

## **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 pedal axles with square end fittings.

### **2 Dimensions**

Dimensions for the assembly of cranks on bottom bracket pedal axles with square end fittings shall be \* as given in figure 1 and table 1.

\* See national foreword for details of textual error.

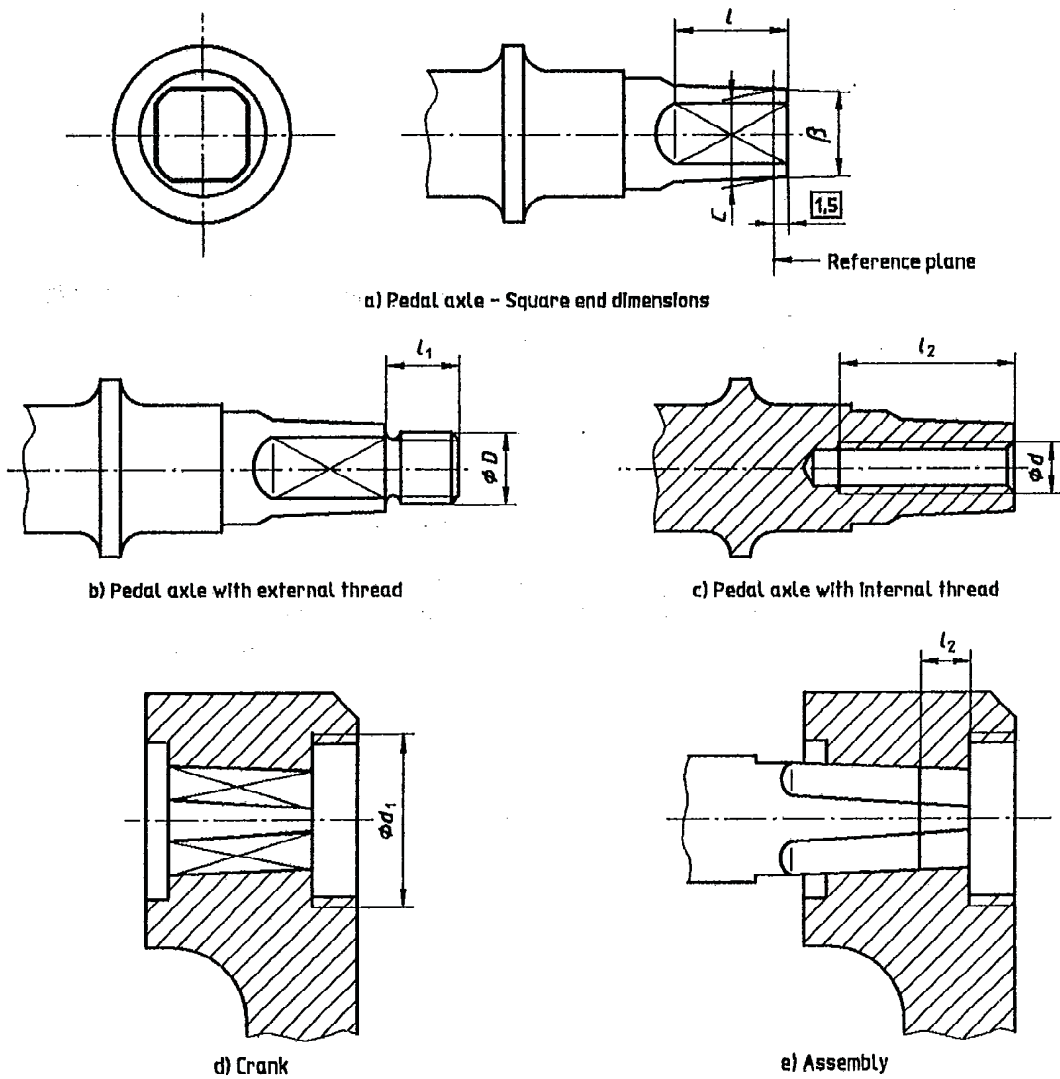


Figure 1

Table 1

Axle							Crank	Assembly	
<i>l</i>		<i>β</i>	<i>c</i>	<i>D</i>	<i>l</i> <sub>1</sub>	<i>d</i>	<i>l</i> <sub>2</sub>	<i>d</i> <sub>1</sub>	<i>l</i> <sub>2</sub> <sup>1)</sup>
Right side	Left side								
16 min.	16 min.	4° ± 0° 10'	12,6 <sup>+0,02</sup> <sub>-0,05</sub>	M10 × 1,25 - 6H/6g	10 <sup>0</sup> <sub>-0,5</sub>	M8 × 1 - 6H/6g	22 min.	M22 × 1 - 6H/6g	1,5 min.

1) After tightening once to the manufacturer's recommended tightening torque.

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