

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION

### R 88

REVERSE BEND TESTING OF STEEL SHEET AND STRIP  
LESS THAN 3 mm THICK

1<sup>st</sup> EDITION

February 1959

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## BRIEF HISTORY

The ISO Recommendation R 88, *Reverse Bend Testing of Steel Sheet and Strip Less than 3 mm Thick*, was drawn up by Technical Committee ISO/TC 17, *Steel*, the Secretariat of which is held by the British Standards Institution (B.S.I.).

The drawing up of an ISO Recommendation concerning this test was decided on at the second meeting of ISO/TC 17, held in New York, in June 1952. The Technical Committee instructed its Working Group No. 1, *Methods of Mechanical Testing for Steel*, to prepare a draft proposal which was circulated to the members of the Technical Committee in March 1954.

The comments of the Member Bodies were considered by the Working Group which submitted, in August 1954, a revised draft proposal to the members of ISO/TC 17. The revised draft proposal was discussed at the fourth meeting of the full Committee, held in Stockholm, in June 1955, along with the comments received, and was adopted, with a number of small amendments, as a Draft ISO Recommendation.

On 31 January 1957, the Draft ISO Recommendation (No. 153) was submitted to all the ISO Member Bodies and, subject to a few modifications, was approved by the following Member Bodies:

Austria	Hungary	Portugal
Belgium	*Ireland	Romania
*Bulgaria	Italy	Spain
*Canada	Japan	Sweden
Denmark	Mexico	United Kingdom
Finland	Norway	U.S.S.R.
Germany	Pakistan	
*Greece	Poland	

One Member Body opposed the approval of the Draft: France.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in February 1959, to accept it as an ISO RECOMMENDATION.

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\* These Member Bodies stated that they had no objection to the Draft being approved.

## REVERSE BEND TESTING OF STEEL SHEET AND STRIP LESS THAN 3 mm THICK

### 1. PRINCIPLE OF TEST

**1.1** The test consists of repeated bending through  $90^\circ$ , in opposite directions, of a rectangular test piece held at one end, each bend being over a support having a specified radius.

**1.2** One "reverse bend" consists of bending the test piece through an angle of  $90^\circ$  and then returning it to its original position (see Fig. 1).

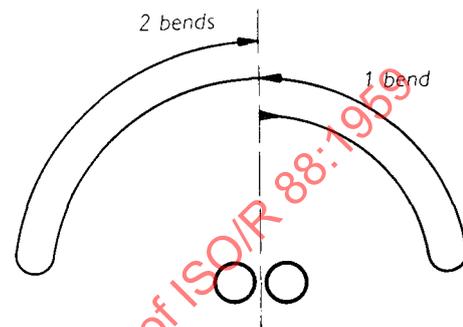


FIG. 1 Method of counting reverse bends

### 2. SYMBOLS AND DESIGNATIONS

Number	Symbol	Designation
1	$a$	Thickness of test piece
2	$b$	Width of test piece
3	$R$	Radius of curvature of blocks
4	$h$	Distance from top of blocks to bottom face of guide
5	$Nb$	Number of bends

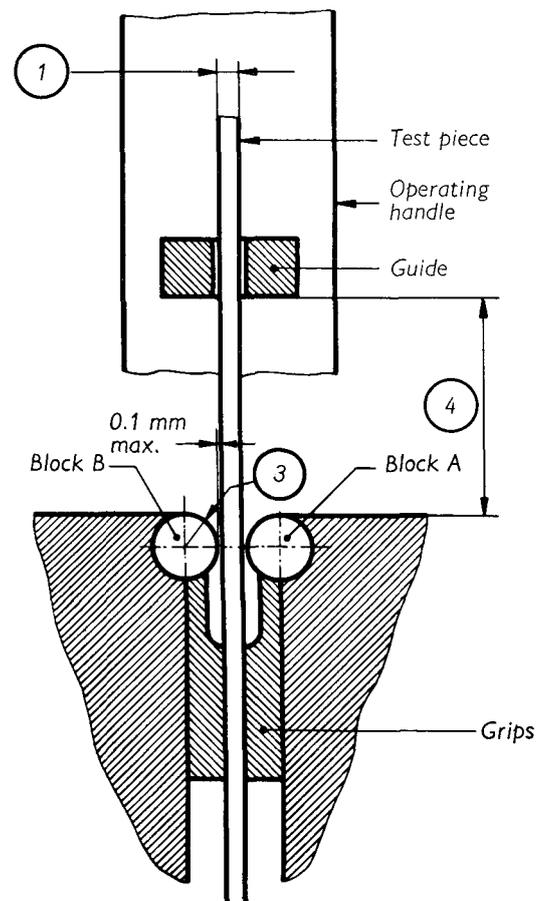


FIG. 2. Reverse bend testing of sheet and strip