
INTERNATIONAL STANDARD



2162

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

Technical drawings — Representation of springs

First edition — 1973-03-15

UDC 744.43:62-272:003.62

Ref. No. ISO 2162-1973 (E)

Descriptors : drawings, engineering drawings, springs (elastic), representation.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2162 was drawn up by Technical Committee ISO/TC 10, *Technical drawings*, and circulated to the Member Bodies in January 1971.

It has been approved by the Member Bodies of the following countries :

Australia	Hungary	Romania
Austria	India	South Africa, Rep. of
Belgium	Ireland	Spain
Canada	Israel	Sweden
Chile	Italy	Switzerland
Czechoslovakia	Japan	Turkey
Denmark	Korea, Dem.P.Rep.of	United Kingdom
Egypt, Arab Rep. of	Korea, Rep. of	U.S.A.
France	Netherlands	U.S.S.R.
Germany	New Zealand	
Greece	Norway	

The Member Body of the following country expressed disapproval of the document on technical grounds :

Portugal

Technical drawings – Representation of springs

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies, by means of examples, the rules for representation of springs on technical drawings.

2 COMPRESSION SPRINGS

Title	Representation		
	view	section	simplified ¹⁾
2.1 Cylindrical helical compression spring of wire of circular cross-section			
2.2 Cylindrical helical compression spring of wire of rectangular cross-section			
2.3 Conical helical compression spring of wire of circular cross-section			
2.4 Conical helical compression spring of wire of rectangular cross-section (volute spring)			

1) If necessary, indicate «Wound left (or right) hand».

If necessary, the cross-section of the spring material may be indicated in words or by a symbol (see 2.1 and 2.2).