

# INTERNATIONAL STANDARD

# ISO 14279

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## Aerospace — Drives, internal, cruciform — Metric series

*Aéronautique et espace — Empreintes cruciformes — Série métrique*

Preview



Reference number  
ISO 14279:2002(E)

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## Foreword

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Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14279 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 4, *Aerospace fastener systems*.

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# Aerospace — Drives, internal, cruciform — Metric series

## 1 Scope

This International Standard specifies the dimensions of metric internal cruciform drives used in metric screws in the nominal thread diameter range of 1,6 mm to 20 mm.

Drivers and gauges used in conjunction with these drives are defined in ISO 14280 and ISO 14281.

## 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 3202:1997, *Aerospace — Screws, pan head, internal offset cruciform ribbed or unribbed drive, threaded to head, MJ threads, metallic material, coated or uncoated, strength classes less than or equal to 1 100 MPa — Dimensions*

ISO 5856:1991, *Aerospace — Screws, 100° normal countersunk head, internal offset cruciform ribbed drive, normal shank, short or medium length MJ threads, metallic material, coated or uncoated, strength classes less than or equal to 1 100 MPa — Dimensions*

ISO 7913:1994, *Aerospace — Bolts and screws, metric — Tolerances of form and position*

ISO 13921:1996, *Aerospace — Screws, 100° reduced countersunk head, internal offset cruciform ribbed or unribbed drive, normal shank, short or medium length MJ threads, metallic material, coated or uncoated, strength classes less than or equal to 1 100 MPa — Dimensions*

### 3 Configuration and dimensions

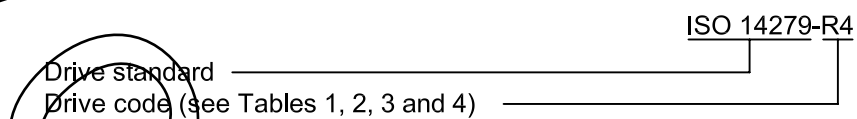
See Figures 1, 2, 3 and 4 and Tables 1, 2, 3 and 4.

Dimensions and tolerances are expressed in millimetres.

The presentation of the location tolerances conforms to ISO 1101.

### 4 Designation

The drive designation shall be as follows:



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