

ICS 25.060.20

Together with
DIN ISO 702-1:2010-04,
supersedes
DIN 55028:1980-03;
supersedes
DIN 55027:1980-03

**Machine tools –
Connecting dimensions of spindle noses and work holding chucks –
Part 3: Bayonet type (ISO 702-3:2007)
English translation of DIN ISO 702-3:2010-04**

Werkzeugmaschinen –
Spindelköpfe und Drehfutter, Anschlussmaße –
Teil 3: Kurzkegelaufnahme mit Bajonett-Befestigung (ISO 702-3:2007)
Englische Übersetzung von DIN ISO 702-3:2010-04

Machines-outils –
Dimensions d'assemblage des nez de broches et des mandrins porte-pièces –
Partie 3: Type baïonnette (ISO 702-3:2007)
Traduction anglaise de DIN ISO 702-3:2010-04

Document comprises 13 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

Contents

	Page
National foreword	2
1 Scope	4
2 Interchangeability	4
3 Sizes for interchangeability	5
3.1 Spindle noses.....	5
3.2 Bayonet disc.....	7
3.3 Face plates	9
3.4 Studs with nuts and collars	11
Bibliography.....	13

National foreword

This standard has been prepared by Technical Committee ISO/TC 39 “Machine tools”, Subcommittee SC 8 “Work holding spindles and chucks”.

The responsible German body involved in its preparation was the *Normenausschuss Werkzeuge und Spannzeuge* (Tools and Clamping Devices Standards Committee), Working Committee NA 121-02-07 AA *Drehmaschinen-spannzeuge und Zubehör*.

Following a proposal of the German Working Committee, ISO 702-1 has been editorially harmonized with ISO 702-2, ISO 702-3 and ISO 702-4. All four ISO Standards have been adopted as DIN ISO Standards and published as a series.

This second edition cancels and replaces the first edition (ISO 702-3:1975), which has been technically revised.

DIN ISO 702 consists of the following parts, under the general title *Machine tools — Connecting dimensions of spindle noses and work holding chucks*:

— *Part 1: Conical connection*

— *Part 2: Camlock type*

— *Part 3: Bayonet type*

— *Part 4: Cylindrical connection*

DIN ISO 702-3 supersedes DIN 55027 and, together with DIN ISO 702-1, supersedes DIN 55028. Spindle nose types A, B and C previously specified in DIN 55028 have been replaced and are now dealt with in DIN ISO 702-1 (types A and B) and DIN ISO 702-3 (type C). With the publication of the DIN ISO 702 series of standards, DIN 55026, DIN 55027, DIN 55028 and DIN 55029 have been withdrawn.

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

Amendments

This standard differs from DIN 55027:1980-03 and DIN 55028:1980-03 as follows:

- a) The standard has been completely revised and brought into line with the current state of technology.
- b) Drawings and dimensioning have been revised and brought into line with the current rules of presentation.
- c) The tables have been revised accordingly.
- d) The type C spindle nose from DIN 55028 has been replaced.

Previous editions

DIN 55027: 1980-03

DIN 55028: 1980-03

Machine tools – Connecting dimensions of spindle noses and work holding chucks – Part 3: Bayonet type

1 Scope

This part of ISO 702 specifies the sizes for interchangeability of bayonet-type lathe spindle noses and corresponding face plates.

NOTE The “conical connection”, “camlock type” and “cylindrical connection” are dealt with in ISO 702-1, ISO 702-2 and ISO 702-4, respectively.

2 Interchangeability

In this part of ISO 702, all the dimensions and tolerances are expressed in millimetres.