
International Standard



7388/1

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

Tool shanks with 7/24 taper for automatic tool changers — Part 1 : Shanks Nos. 40, 45 and 50 — Dimensions

Queues d'outils à conicité 7/24 pour changement automatique d'outils — Partie 1 : Cônes nos 40, 45 et 50 — Dimensions

First edition — 1983-12-15

UDC 621.9-229.2

Ref. No. ISO 7388/1-1983 (E)

Descriptors : tools, power-operated tools, shanks, taper shanks, 7/24 taper shanks, machine tapers, dimensions, form tolerances.

Price based on 3 pages

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (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 authorized 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 7388/1 was developed by Technical Committee ISO/TC 39, *Machine tools*, and was circulated to the member bodies in February 1982.

It has been approved by the member bodies of the following countries :

Belgium	India	Spain
China	Italy	Sweden
Egypt, Arab Rep. of	Korea, Dem. P. Rep. of	Switzerland
France	Korea, Rep. of	United Kingdom
Germany, F. R.	Romania	USA
Hungary	South Africa, Rep. of	

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Czechoslovakia
Japan
Netherlands
Poland
USSR

Tool shanks with 7/24 taper for automatic tool changers — Part 1 : Shanks Nos. 40, 45 and 50 — Dimensions

0 Introduction

Users of this part of ISO 7388 are advised that proprietary rights apply to tool shanks with a taper rate of 7/24 for automatic tool changers. Patent holders have agreed to negotiate licenses on terms and conditions defined in statements that are available upon request from the ISO Central Secretariat.

1 Scope and field of application

This part of ISO 7388 lays down the dimensions of shanks Nos. 40, 45 and 50 for tools to be used on machines using an automatic gripping system for feeding tools from the magazine to the spindle and vice-versa. These tools are intended for use in spindle noses according to ISO 297 and to be used with the two tenons specified in this part of ISO 7388, provided one of these devices is adapted to dimension l_1 .

2 References

ISO 297, *7/24 tapers for tool shanks for manual changing*.

ISO 7388/2, *Tool shanks with 7/24 for automatic tool changers — Part 2 : Retention knobs for shanks Nos. 40, 45 and 50 — Dimensions and mechanical characteristics*.

3 Dimensions

See the figure and the table.