
International Standard



6898

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

Open front mechanical power presses — Capacity ratings and dimensions

Presses mécaniques à bâti en col de cygne — Capacités et dimensions

First edition — 1984-05-15

Sample Document

get full document from standards.iteh.ai

UDC 621.979.63

Ref. No. ISO 6898-1984 (E)

Descriptors : machine tools, presses, dimensions, ratings, power.

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 6898 was developed by Technical Committee ISO/TC 39, *Machine tools*, and was circulated to the member bodies in November 1982.

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

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

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

Japan
Poland

Open front mechanical power presses — Capacity ratings and dimensions

1 Scope and field of application

This International Standard specifies capacity ratings and dimensions for open front mechanical presses with or without a passage through the frame and with or without a slope, in the range from 100 to 2 500 kN inclusive.

A choice of two values is given for some dimensions : these are designated series 1 and series 2. To minimize the variety of dimensions as far as possible it is intended that all the values for a given press should be selected from one of the series. However, in order to meet special requirements it is permitted to select the values for shut height only from either series 1 or series 2.

This International Standard provides for alternative types of bed, one with a round opening and the other a rectangular opening. The bed with the round opening has T-slots provided so that it can be used without a bedplate if required.

Two types of bedplate are specified as type 1 and type 2. Details are also given for the bedplug for beds with round holes and for the bedplate ring for bedplates of type 2.

2 References

ISO 273, *Fasteners — Clearance holes for bolts and screws.*

ISO/R 286, *ISO system of limits and fits — Part 1 : General, tolerances and deviations.*

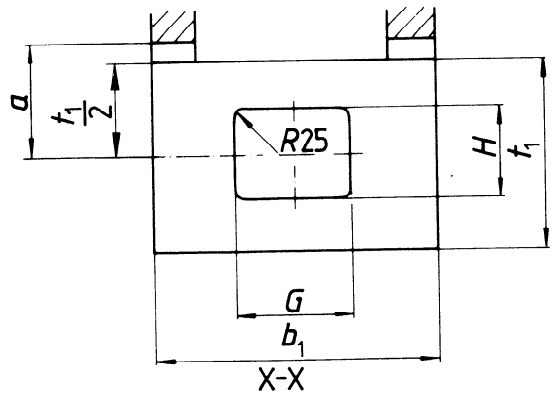
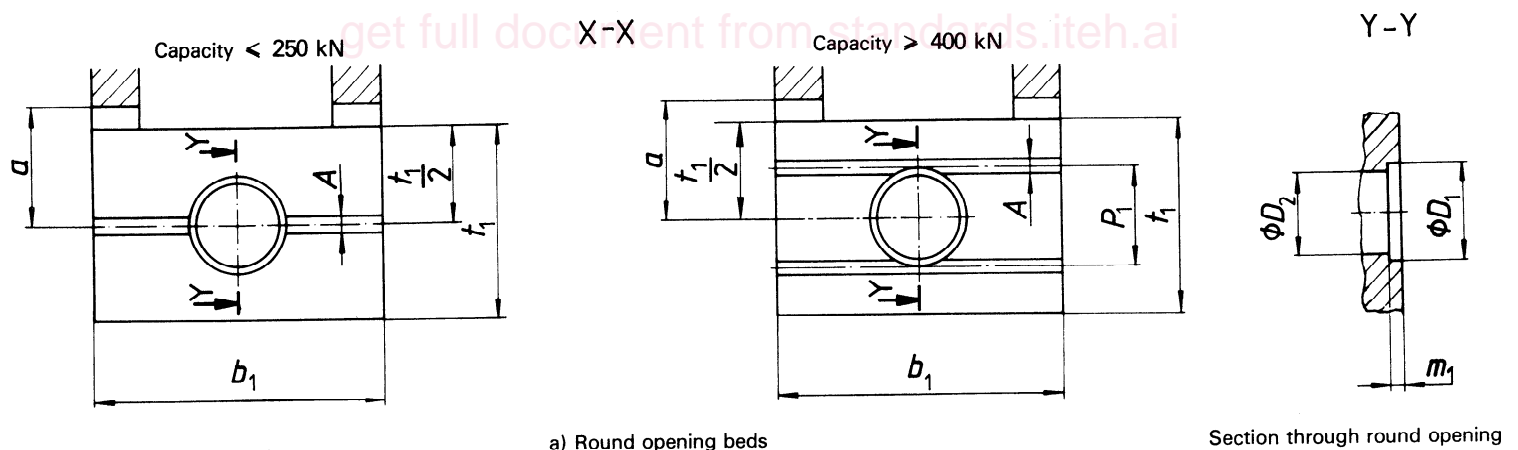
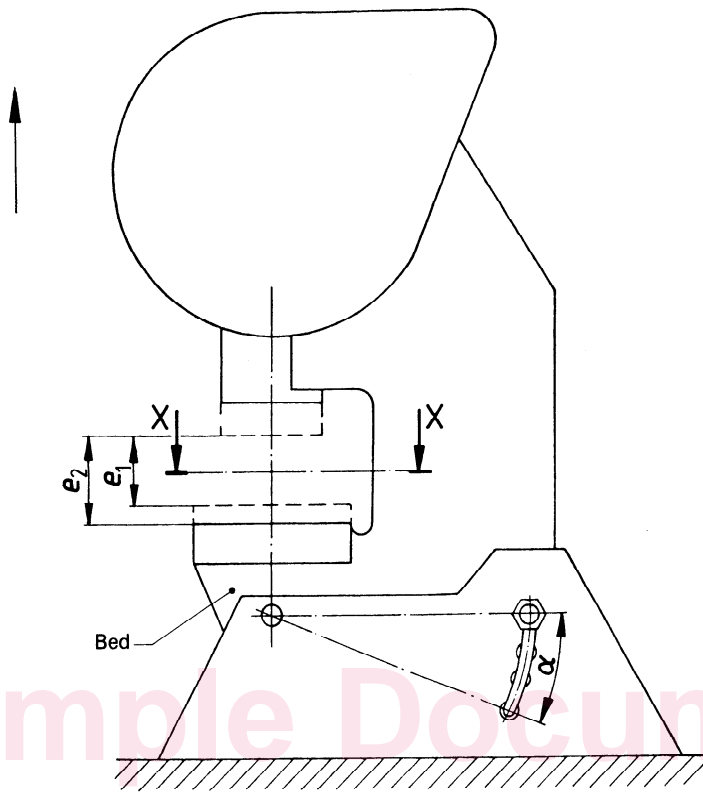
ISO 299, *Machine tool tables — T-slots and corresponding bolts.*

ISO 6899, *Acceptance conditions of open front mechanical power presses — Testing of the accuracy.*

Sample Document

3 Dimensions

NOTE — a) and b) are alternative standards.



a) Round opening beds
 b) Rectangular opening bed
Figure 1 — Layout of press and alternative beds

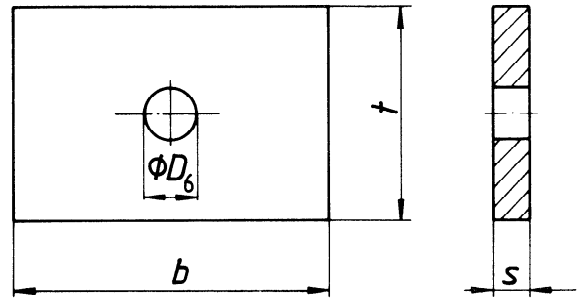
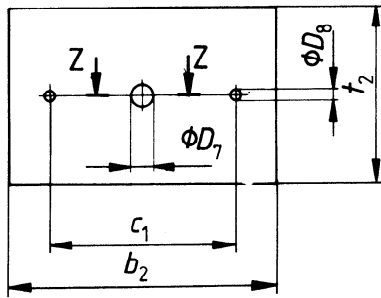
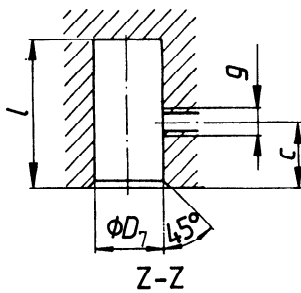


Figure 3 – Bedplates type 1
(for beds with round holes)



Stem hole

Figure 2 – Slide

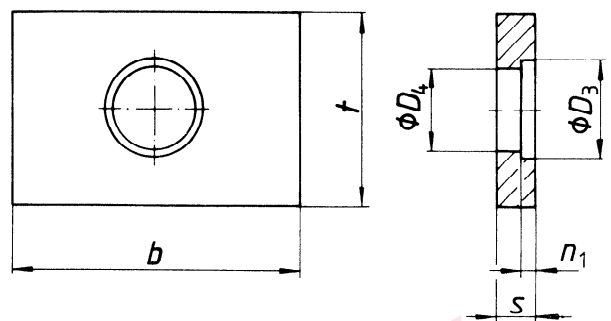
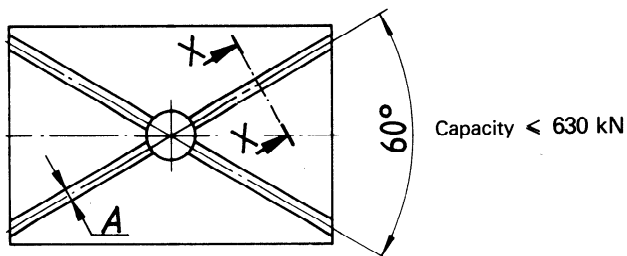
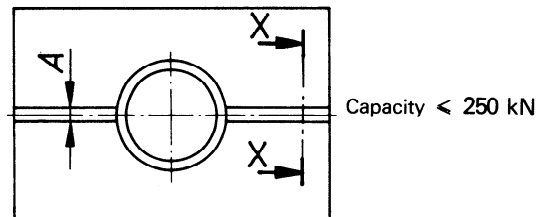


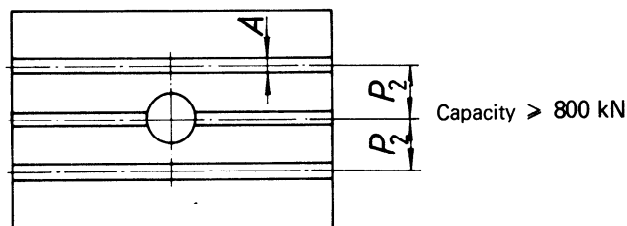
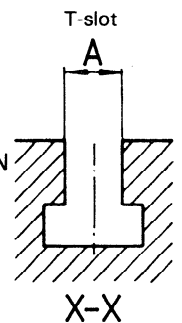
Figure 4 – Bedplates type 2
(for beds with rectangular holes)



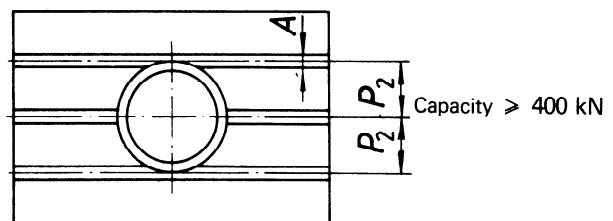
Capacity <math>< 630</math> kN



Capacity <math>< 250</math> kN



Capacity >math> 800</math> kN



Capacity >math> 400</math> kN

a) T-slots in bedplates type 1

b) T-slots in bedplates type 2

Figure 5 – T-slots for bedplates