
International Standard



3318

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

Assembly tools for screws and nuts — Open-end double-head engineers' wrenches, double-head box wrenches and combination wrenches — Maximum widths of heads

Outils de manœuvre pour vis et écrous — Clés à fourche doubles, polygonales doubles, et clés mixtes — Largeurs maximales d'encombrement des têtes

Second edition — 1982-12-01

STANDARDSISO.COM : Click to view the full PDF of ISO 3318:1982

UDC 621.883.13

Ref. No. ISO 3318-1982 (E)

Descriptors : tools, assembly tools, wrenches, dimensions.

Price based on 1 page

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 3318 was developed by Technical Committee ISO/TC 29, *Small tools*, and was circulated to the member bodies in January 1981.

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

Australia	Germany, F. R.	Romania
Austria	Hungary	South Africa, Rep. of
Belgium	Israel	Spain
Brazil	Italy	Sweden
China	Japan	Switzerland
Czechoslovakia	Korea, Dem. P. Rep. of	United Kingdom
Egypt, Arab Rep. of	Korea, Rep. of	USA
France	Poland	USSR

No member body expressed disapproval of the document.

This second edition cancels and replaces the first edition (i.e. ISO 3318-1974).

Assembly tools for screws and nuts — Open-end double-head engineers' wrenches, double-head box wrenches and combination wrenches — Maximum widths of heads

1 Scope and field of application

This International Standard lays down the maximum widths of heads for open-end double-head engineers' wrenches, double-head box wrenches and combination wrenches, listed in ISO 1703, excluding wrench No. 12.

2 References

- ISO 272, *Fasteners — Hexagon products — Widths across flats.*
- ISO 1085, *Combinations of double-ended wrench gaps.*
- ISO 1703, *Assembly tools for screws and nuts — Nomenclature.*

3 Maximum widths of heads

Dimensions in millimetres

<i>s</i>	<i>b</i> ₁ max. [(2,1 <i>s</i>) + 7]	<i>b</i> ₂ max. [(1,5 <i>s</i>) + 2]
3,2	14	7
4	15	8
5	18	10
5,5	19	10,5
(6)	20	11
7	22	12,5
8	24	14
(9)	26	15,5
10	28	17
11	30	18,5
(12)	32	20
13	34	21,5
(14)	36	23
15	39	24,5
16	41	26
(17)	43	27,5
18	45	29
(19)	47	30,5
21	51	33,5
(22)	53	35
24	57	38
27	64	42,5
30	70	47
(32)	74	50
34	78	53
36	83	56
41	93	63,5
46	104	71
50	112	77
55	123	84,5
60	133	92

NOTE — The drawings do not necessarily indicate the shape of the wrench heads.

Values in brackets are not standardized across-flats in ISO 272, but are maintained temporarily in this International Standard.