International Standard 1035/3

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

Hot-rolled steel bars —
Part 3 : Dimensions of flat bars

Barres en acier laminées à chaud —
Partie 3 : Dimensions des barres plates

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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 1035/3 was developed by Technical Committee ISO/TC 17, *Steel*, and was circulated to the member bodies in December 1978.

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

Austria	Germany, F. R.	Romania
Belgium	Hungary	South Africa, Rep. of
Bulgaria	India	Spain
Canada	Italy	Sweden
Czechoslovakia	Korea, Dem. P. Rep. of	Switzerland
Denmark	Korea, Rep. of	Thailand
Egypt, Arab Rep. of	Netherlands	Turkey
Finland	New Zealand	United Kingdom
France	Poland	USSR

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

Australia
Japan
USA

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Hot-rolled steel bars — Part 3 : Dimensions of flat bars

MODIFICATION TO FOREWORD *(Inside front cover)*

The following sentence is to be added at the end of the foreword :

"This International Standard cancels and replaces ISO Recommendation R 1035/3-1969, of which it constitutes a technical revision."

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Hot-rolled steel bars — Part 3 : Dimensions of flat bars

1 Scope and field of application

This International Standard specifies dimensions of metric series hot-rolled steel flat bars.

2 Reference

ISO 1035/4, *Hot-rolled steel bars — Part 4 : Tolerances of round, square and flat bars — Metric series.*

3 Dimensions and tolerances

3.1 The dimensions of flat bars are given in the table.

3.2 Unless otherwise specified in the order, the tolerances on the dimensions of flat bars shall be the normal tolerances specified in ISO 1035/4. Tolerances tighter than those specified in ISO 1035/4 will form the subject of a future International Standard.

Table — Dimensions and masses[1] per unit length

Dimensions in millimetres

Width	Mass, kg/m for thickness of										
	5	6	8	10	12	15	20	25	30	40	50
	Preferred sizes										
20	0,785	0,942	1,26	1,57	—	—	—	—	—	—	—
25	0,981	1,18	1,57	1,96	2,36	—	—	—	—	—	—
30	1,18	1,41	1,88	2,36	2,83	3,53	4,71	—	—	—	—
35	1,37	1,65	2,20	2,75	3,30	4,12	5,50	—	—	—	—
40	1,57	1,88	2,51	3,14	3,77	4,71	6,28	—	—	—	—
45	1,77	2,12	2,83	3,53	4,24	5,30	7,07	—	—	—	—
50	1,96	2,36	3,14	3,93	4,71	5,89	7,85	9,81	11,8	—	—
60	2,36	2,83	3,77	4,71	5,65	7,07	9,42	11,8	14,1	—	—
70	2,75	3,30	4,40	5,50	6,59	8,24	11,0	13,7	16,5	—	—
80	3,14	3,77	5,02	6,28	7,54	9,42	12,6	15,7	18,8	25,1	—
90	3,53	4,24	5,65	7,07	8,48	10,6	14,1	17,7	21,2	28,3	—
100	3,93	4,71	6,28	7,85	9,42	11,8	15,7	19,6	23,6	31,4	—
120		5,65	7,54	9,42	11,3	14,1	18,8	23,6	28,3	37,7	47,1
150	—	7,07	9,42	11,8	14,1	17,7	23,6	29,4	35,3	47,1	58,9
	Second-preference sizes										
16	0,628	0,754	1,00	1,26	1,51	—	—	—	—	—	—
20	—	—	—	—	1,88	2,36	—	—	—	—	—
25	—	—	—	—	—	2,94	—	—	—	—	—
40	—	—	—	—	—	—	—	7,85	9,42	—	—
45	—	—	—	—	—	—	—	8,83	10,6	—	—
60	—	—	—	—	—	—	—	—	—	18,8	—
65	2,55	3,06	4,08	5,10	6,12	7,65	10,2	12,8	15,3	20,4	—
70	—	—	—	—	—	—	—	—	—	22,0	—
75	2,94	3,53	4,71	5,89	7,07	8,83	11,8	14,7	17,7	23,6	—
80	—	—	—	—	—	—	—	—	—	—	31,4
90	—	—	—	—	—	—	—	—	—	—	35,3
100	—	—	—	—	—	—	—	—	—	—	39,2
130	—	6,12	8,16	10,2	12,2	15,3	20,4	25,6	30,6	40,8	51,2
140	—	6,59	8,79	11,0	13,2	16,5	22,0	27,5	33,0	44,0	55,0

1) The values of mass are based on a density of steel of 7,85 kg/dm^3.

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