

DRAFT ZANZIBAR NATIONAL STANDARD

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

ZANZIBAR BUREAU OF STANDARDS

National Foreword

This draft Zanzibar National standard has been prepared by the Mechanical and Automotive Standard Technical committee. In accordance with ZBS general procedures, this draft standard is presented to the public in order to receive any technical comment concerns.

Technical Committee Representatives

This Draft Zanzibar National Standard was prepared by Mechanical and Automotive Standard Technical committee which consists of representatives from the following organizations:

Buda Auto Parts
Department of Environment Zanzibar (DoE)
Government Agency for Automobile Workshop Services (GAAWS)
Karume Institute of Science and Technology (KIST)
Zanzibar Road Transport and Safety Authority (ZARTSA)
Zanzibar Utilities Regulatory Authority (ZURA),
Zanzibar Electricity Corporation (ZECO)
Zanzibar Bureau of Standards (ZBS) - Secretariat

Zanzibar Bureau of Standard (ZBS)
P O Box 1136
Zanzibar
Tel: +255 24 2232225
Fax: +255 24 2232225
E-mail: info@zbs.go.tz
Web: www.zbs.go.tz

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

1 Scope

This Zanzibar Standard specifies dimensions of metric series hot-rolled steel flat bars intended for general purposes

2 Normative references

ISO 103514, Hot-rolled steel bar - Part 4: Tolerances of round, Square and flat Bars Metric series.

3 Terms and definitions

No terms and definitions are listed in this document

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org>

4 Dimensions and tolerances

4.1 The dimensions of flat bars are given in the table

4.2 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 Standard.

Table - Dimensions and masses ¹ per unit length

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	7.05	-	-	-	-
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 preferred 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 7.85kg/dm³