INTERNATIONAL STANDARD

ISO 885

Second edition
2000-03-01

General purpose bolts and screws — Metric series — Radii under the head

Vis d'applicatiion générale — Série métrique — Rayon d'arrondi sous tête

Reference number
ISO 885:2000(E)

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Foreword

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International Standard ISO 885 was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 7, *Reference Standards for fasteners (mainly covering terminology, dimensioning, sizes and tolerancing)*.

This second edition cancels and replaces the first edition (ISO 885:1976), which has been technically revised.

General purpose bolts and screws — Metric series — Radii under the head

1 Scope

This International Standard specifies the sizes of the radii under the head and the transition diameters of metric series general purpose bolts and screws.

2 Dimensions

See Figure 1 and Table 1.

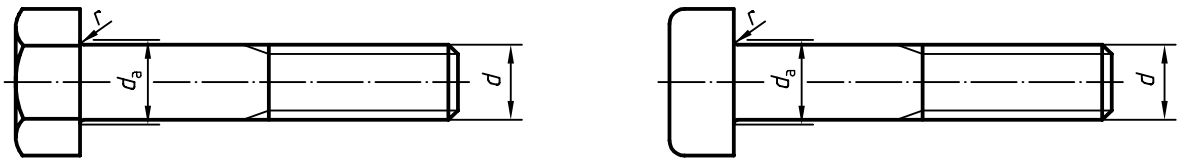

Figure 1

Table 1 — Dimensions r_{min} and $d_{a,\,max}$

Dimensions in millimetres

Thread diameter d	Radius r_{min} product grades A, B and C	Transition diameter $d_{a,\,max}$ [a] product grades A and B	Transition diameter $d_{a,\,max}$ [a] product grade C	Thread diameter d	Radius r_{min} product grades A, B and C	Transition diameter $d_{a,\,max}$ [a] product grades A and B	Transition diameter $d_{a,\,max}$ [a] product grade C
1,6	0,1	2	—	39	1	42,4	45,4
2	0,1	2,6	—	42	1,2	45,6	48,6
2,2	0,1	2,8	—	45	1,2	48,6	52,6
2,5	0,1	3,1	—	48	1,6	52,6	56,6
3	0,1	3,6	—	52	1,6	56,6	62,6
3,5	0,1	4,1	—	56	2	63	67
4	0,2	4,7	—	60	2	67	71
4,5	0,2	5,2	—	64	2	71	75
5	0,2	5,7	6	68	2	75	79
6	0,25	6,8	7,2	72	2	79	83
7	0,25	7,8	8,2	76	2	83	87
8	0,4	9,2	10,2	80	2	87	92
10	0,4	11,2	12,2	85	2	92	97
12	0,6	13,7	14,7	90	2,5	97	102
14	0,6	15,7	16,7	95	2,5	102	108
16	0,6	17,7	18,7	100	2,5	108	113
18	0,6	20,2	21,2	105	2,5	113	118
20	0,8	22,4	24,4	110	2,5	118	123
22	0,8	24,4	26,4	115	2,5	123	128
24	0,8	26,4	28,4	120	2,5	128	133
27	1	30,4	32,4	125	2,5	133	138
30	1	33,4	35,4	130	2,5	138	145
33	1	36,4	38,4	140	2,5	148	156
36	1	39,4	42,4	150	2,5	159	166

[a] The transition diameter d_a is the diameter of the circle formed at the junction of the radius r and the bearing surface of the head.

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