

# INTERNATIONAL STANDARD

**ISO  
885**

Second edition  
2000-03-01

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

*Vis d'application générale — Série métrique — Rayon d'arrondi sous tête*

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Reference number  
ISO 885:2000(E)

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Printed in Switzerland

## Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

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.

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# 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.

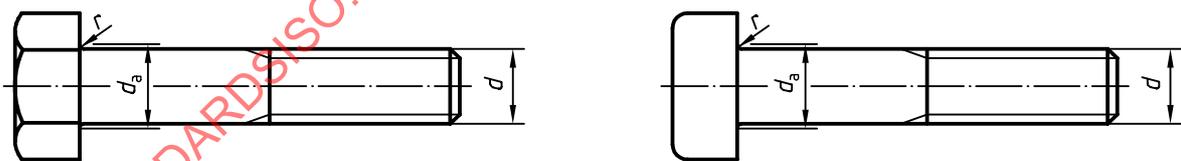


Figure 1

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

Dimensions in millimetres

Thread diameter $d$	Radius $r_{\min}$	Transition diameter <sup>a</sup> $d_{a, \max}$		Thread diameter $d$	Radius $r_{\min}$	Transition diameter <sup>a</sup> $d_{a, \max}$	
	product grades A, B and C	product grades A and B	product grade C		product grades A, B and C	product grades A and B	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

<sup>a</sup> 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.