

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

ICS 21.060.10

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This British Standard reproduces verbatim ISO 885:2000 and implements it as the UK national standard.

The UK participation in its preparation was entrusted to Technical Committee FME/9, Bolts Nuts & Accessories (+ QA & hose clamps), which has the responsibility to:

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### Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to iii, a blank page, pages 1 and 2, an inside back cover and a back cover.

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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*



Reference number  
ISO 885:2000(E)



## 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.

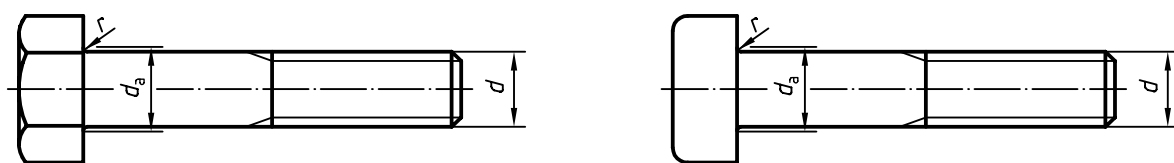


Figure 1

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





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