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**Fasteners — Hexagon head bolts —  
Product grade C**

*Fixations — Vis à tête hexagonale partiellement filetées — Grade C*

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Published in Switzerland

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 11, *Fasteners with metric external thread*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 185, *Fasteners*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fifth edition cancels and replaces the fourth edition (ISO 4016:2011), which has been technically revised.

The main changes are as follows:

- the permissible shapes for free formed head, indentation on the head, and transition length under head,  $l_f$ , have been added;
- tables for dimensions have been restructured;
- M7 has been added;
- $d_{w,min}$  has been changed for M5 from  $s_{min} - IT16$  to  $s_{min} - IT15$  (as for hexagon head bolts of product grades A and B) in order to have a larger bearing surface area and thus less contact pressure;
- the rules for the shortest and greatest standard lengths have been added, and they have been amended accordingly;
- $l_{g,max}$  has been corrected for M33 × 260 (169 mm instead of 167 mm);
- specifications for marking and labelling have been added as [Clause 6](#).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

# Fasteners — Hexagon head bolts — Product grade C

## 1 Scope

This document specifies the characteristics of hexagon head bolts, in steel, with metric coarse pitch threads M5 to M64, and with product grade C.

If in certain cases other specifications are requested, property classes can be selected from ISO 898-1 and dimensional options from ISO 888 or ISO 4753.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 225, *Fasteners — Bolts, screws, studs and nuts — Symbols and descriptions of dimensions*

ISO 888, *Fasteners — Bolts, screws and studs — Nominal lengths and thread lengths*

ISO 898-1, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs with specified property classes — Coarse thread and fine pitch thread*

ISO 965-1, *ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data*

ISO 1891-4, *Fasteners — Vocabulary — Part 4: Control, inspection, delivery, acceptance and quality*

ISO 3269, *Fasteners — Acceptance inspection*

ISO 4042, *Fasteners — Electroplated coating systems*

ISO 4753, *Fasteners — Ends of parts with external ISO metric thread*

ISO 4759-1, *Tolerances for fasteners — Part 1: Bolts, screws, studs and nuts — Product grades A, B and C*

ISO 6157-1, *Fasteners — Surface discontinuities — Part 1: Bolts, screws and studs for general requirements*

ISO 8991, *Designation system for fasteners*

ISO 8992, *Fasteners — General requirements for bolts, screws, studs and nuts*

ISO 10683, *Fasteners — Non-electrolytically applied zinc flake coating systems*

ISO 10684, *Fasteners — Hot dip galvanized coatings*

## 3 Terms and definitions

No terms and definitions are listed in this document.

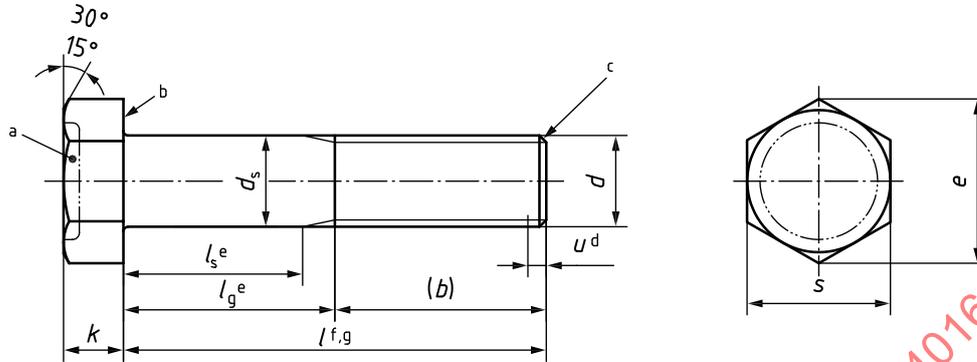
ISO and IEC maintain terminology databases for use in standardization at the following addresses:

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

### 4 Dimensions

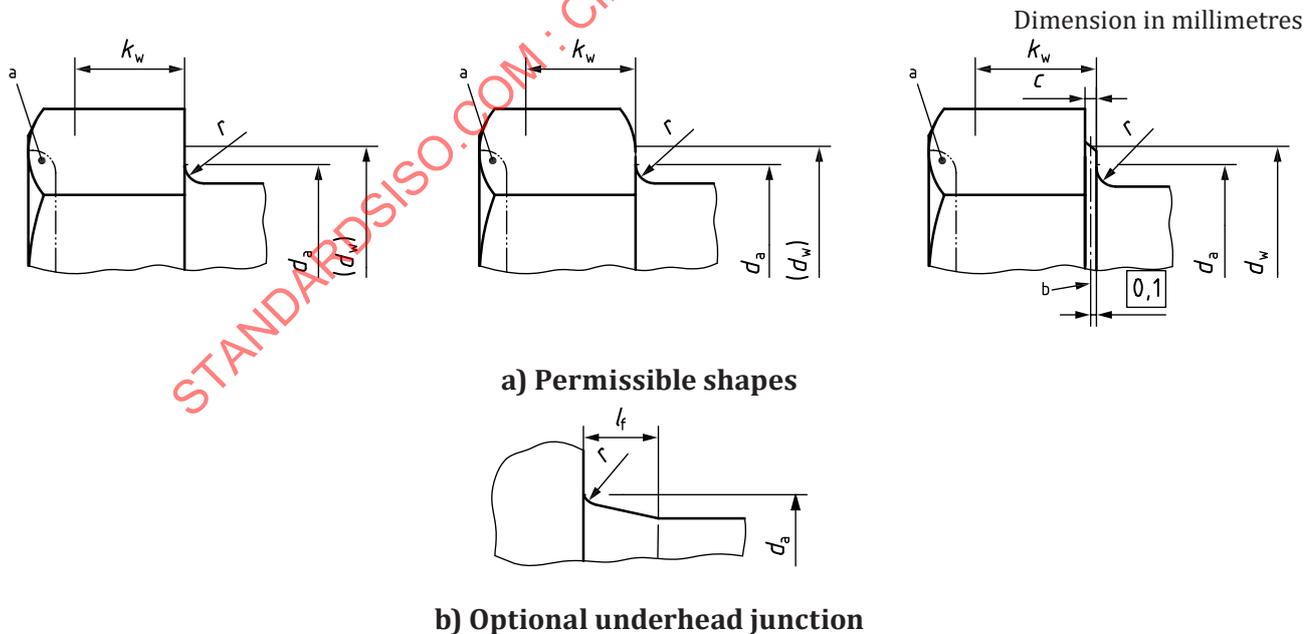
Dimensions shall be in accordance with [Figures 1](#) and [2](#) and with [Tables 1](#) to [4](#).

Symbols and descriptions of dimensions are defined in ISO 225.



- a Indentation at the discretion of the manufacturer, in accordance with [Figure 2](#).
- b Washer-face at the discretion of the manufacturer, in accordance with [Figure 2](#).
- c End at the discretion of the manufacturer, in accordance with ISO 4753.
- d Incomplete thread  $u \leq 2P$ .
- e  $l_{g,max} = l_{nom} - b$  and  $l_{s,min} = l_{g,max} - 5P$ .
- f Shortest standard length  $l_{nom}$  determined with  $5d$  for M5 to M8,  $4,5d$  for M10,  $4d$  for M12 to M22,  $3,75d$  for M24 to M60, and rounded to the nearest standard length; shortest standard length  $l_{nom} = 220$  mm for M64.
- g Greatest standard length  $l_{nom} \leq 10d$  or 500 mm, whichever is the shorter.

**Figure 1 — Hexagon head bolt**



- a Any shape for the optional indentation within a maximum diameter of  $0,8s$  and a maximum depth of  $0,2k$ .
- b Reference datum for  $d_w$ .

**Figure 2 — Head details**

Table 1 — Dimensions – M5 to M12

Dimensions in millimetres

Thread, <i>d</i>	M5	M6	(M7)	M8	M10	M12																				
<i>P</i> <sup>a</sup>	0,8	1	1	1,25	1,5	1,75																				
<i>b</i> ref. <sup>b</sup>	16	18	20	22	26	30																				
<i>c</i> max.	0,5	0,5	0,6	0,6	0,6	0,6																				
<i>d<sub>a</sub></i> max.	6,0	7,2	8,2	10,2	12,2	14,7																				
<i>d<sub>s</sub></i>	max.	5,48	6,48	7,58	8,58	10,58	12,7																			
	min.	4,52	5,52	6,42	7,42	9,42	11,3																			
<i>d<sub>w</sub></i> min.	7,06	8,74	9,47	11,47	14,47	16,47																				
<i>e</i> min.	8,63	10,89	11,94	14,20	17,59	19,85																				
<i>k</i>	nom.	3,5	4,0	4,8	5,3	6,4	7,5																			
	max.	3,875	4,375	5,175	5,675	6,85	7,95																			
	min.	3,125	3,625	4,425	4,925	5,95	7,05																			
<i>k<sub>w</sub></i> min.	2,19	2,54	3,10	3,45	4,17	4,94																				
<i>l<sub>f</sub></i> max.	1,2	1,4	1,4	2,0	2,0	3,0																				
<i>r</i> min.	0,20	0,25	0,25	0,40	0,40	0,60																				
<i>s</i>	nom. = max.	8,00	10,00	11,00	13,00	16,00	18,00																			
	min.	7,64	9,64	10,57	12,57	15,57	17,57																			
<i>l</i>			Range of standard lengths between the stepped bold lines																							
nom.	min.	max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.												
25	23,95	26,05	5,0	9,0	Fully threaded screws specified in ISO 4018																					
30	28,95	31,05	10,0	14,0											7,0	12,0										
35	33,75	36,25	15,0	19,0											12,0	17,0	10,0	15,0								
40	38,75	41,25	20,0	24,0											17,0	22,0	15,0	20,0	11,75	18,0						
45	43,75	46,25	25,0	29,0											22,0	27,0	20,0	25,0	16,75	23,0	11,5	19,0				
50	48,75	51,25	30,0	34,0											27,0	32,0	25,0	30,0	21,75	28,0	16,5	24,0	11,25	20,0		
55	53,50	56,50	Length by agreement in accordance with ISO 888												32,0	37,0	30,0	35,0	26,75	33,0	21,5	29,0	16,25	25,0		
60	58,50	61,50													37,0	42,0	35,0	40,0	31,75	38,0	26,5	34,0	21,25	30,0		
65	63,50	66,50													Length by agreement in accordance with ISO 888		40,0	45,0	40,0	45,0	36,75	43,0	31,5	39,0	26,25	35,0
70	68,50	71,50															45,0	50,0	45,0	50,0	41,75	48,0	36,5	44,0	31,25	40,0
80	78,50	81,50															Length by agreement in accordance with ISO 888		Length by agreement in accordance with ISO 888		51,75	58,0	46,5	54,0	41,25	50,0
90	88,25	91,75																			56,5	64,0	51,25	60,0		
100	98,25	101,75																			66,5	74,0	61,25	70,0		
110	108,25	111,75			71,25	80,0																				
120	118,25	121,75			81,25	90,0																				
—	—	—			—	—																				

NOTE Size shown in brackets is a non-preferred dimension.

<sup>a</sup> *P* is the pitch of the thread.

<sup>b</sup> For *l<sub>nom</sub>* ≤ 125 mm.

Table 2 — Dimensions - M14 to M24

Dimensions in millimetres

Thread, <i>d</i>		(M14)	M16	(M18)	M20	(M22)	M24																	
<i>p</i> <sup>a</sup>		2	2	2,5	2,5	2,5	3																	
<i>b</i>	ref. b	34	38	42	46	50	54																	
	c	40	44	48	52	56	60																	
	d	—	—	—	—	69	73																	
<i>c</i>	max.	0,6	0,8	0,8	0,8	0,8	0,8																	
<i>d<sub>a</sub></i>	max.	16,7	18,7	21,2	24,4	26,4	28,4																	
<i>d<sub>s</sub></i>	max.	14,70	16,70	18,70	20,84	22,84	24,84																	
	min.	13,30	15,30	17,30	19,16	21,16	23,16																	
<i>d<sub>w</sub></i>	min.	19,15	22,00	24,85	27,70	31,35	33,25																	
<i>e</i>	min.	22,78	26,17	29,56	32,95	37,29	39,55																	
<i>k</i>	nom.	8,8	10	11,5	12,5	14	15																	
	max.	9,25	10,75	12,4	13,4	14,9	15,9																	
	min.	8,35	9,25	10,6	11,6	13,1	14,1																	
<i>k<sub>w</sub></i>	min.	5,85	6,48	7,42	8,12	9,17	9,87																	
<i>l<sub>f</sub></i>	max.	3	3	3	4	4	4																	
<i>r</i>	min.	0,6	0,6	0,6	0,8	0,8	0,8																	
<i>s</i>	nom. = max.	21,00	24,00	27,00	30,00	34,00	36,00																	
	min.	20,16	23,16	26,16	29,16	33,00	35,00																	
<i>l</i>		Range of standard lengths between the stepped bold lines																						
nom.	min.	max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.										
55	53,5	56,5	11,0	21,0	Fully threaded screws specified in ISO 4018																			
60	58,5	61,5	16,0	26,0																				
65	63,5	66,5	21,0	31,0											17,0	27,0								
70	68,5	71,5	26,0	36,0											22,0	32,0	15,5	28,0						
80	78,5	81,5	36,0	46,0											32,0	42,0	25,5	38,0	21,5	34,0				
90	88,25	91,75	46,0	56,0											42,0	52,0	35,5	48,0	31,5	44,0	27,5	40,0	21,0	36,0
100	98,25	101,75	56,0	66,0											52,0	62,0	45,5	58,0	41,5	54,0	37,5	50,0	31,0	46,0
110	108,25	111,75	66,0	76,0											62,0	72,0	55,5	68,0	51,5	64,0	47,5	60,0	41,0	56,0
120	118,25	121,75	76,0	86,0											72,0	82,0	65,5	78,0	61,5	74,0	57,5	70,0	51,0	66,0
130	128,0	132,0	80,0	90,0											76,0	86,0	69,5	82,0	65,5	78,0	61,5	74,0	55,0	70,0
140	138,0	142,0	90,0	100	86,0	96,0	79,5	92,0	75,5	88,0	71,5	84,0	65,0	80,0										
150	148,0	152,0	Length by agreement in accordance with ISO 888		96,0	106	89,5	102	85,5	98,0	81,5	94,0	75,0	90,0										
160	156,0	164,0			106	116	99,5	112	95,5	108	91,5	104	85,0	100										
180	176,0	184,0	Length by agreement in accordance with ISO 888				119,5	132	115,5	128	111,5	124	105	120										
200	195,4	204,6					135,5	148	131,5	144	125	140												
220	215,4	224,6					138,5	151	132	147														
240	235,4	244,6	Length by agreement in accordance with ISO 888										152	167										
—	—	—																						

NOTE Sizes shown in brackets are non-preferred dimensions.

<sup>a</sup> *P* is the pitch of the thread.

<sup>b</sup> For *l<sub>nom</sub>* ≤ 125 mm.

<sup>c</sup> For 125 mm < *l<sub>nom</sub>* ≤ 200 mm.

<sup>d</sup> For *l<sub>nom</sub>* > 200 mm.

Table 3 — Dimensions - M27 to M42

Dimensions in millimetres

Thread, <i>d</i>		(M27)	M30	(M33)	M36	(M39)	M42																			
<i>P</i> <sup>a</sup>		3	3,5	3,5	4	4	4,5																			
<i>b</i>	b	60	66	72	—	—	—																			
	c	66	72	78	84	90	96																			
	d	79	85	91	97	103	109																			
<i>c</i>	max.	0,8	0,8	0,8	0,8	1,0	1,0																			
<i>d<sub>a</sub></i>	max.	32,4	35,4	38,4	42,4	45,4	48,6																			
<i>d<sub>s</sub></i>	max.	27,84	30,84	34,0	37,0	40,0	43,0																			
	min.	26,16	29,16	32,0	35,0	38,0	41,0																			
<i>d<sub>w</sub></i>	min.	38,00	42,75	46,55	51,11	55,86	59,95																			
<i>e</i>	min.	45,20	50,85	55,37	60,79	66,44	71,30																			
<i>k</i>	nom.	17	18,7	21	22,5	25	26																			
	max.	17,90	19,75	22,05	23,55	26,05	27,05																			
	min.	16,10	17,65	19,95	21,45	23,95	24,95																			
<i>k<sub>w</sub></i>	min.	11,27	12,36	13,97	15,02	16,77	17,47																			
<i>l<sub>f</sub></i>	max.	6	6	6	6	6	8																			
<i>r</i>	min.	1,0	1,0	1,0	1,0	1,0	1,2																			
<i>s</i>	nom. = max.	41,0	46,0	50,0	55,0	60,0	65,0																			
	min.	40,0	45,0	49,0	53,8	58,8	63,1																			
<i>l</i>		Range of standard lengths between the stepped bold lines																								
nom.	min.	max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.												
100	98,25	101,75	25,0	40,0	Fully threaded screws specified in ISO 4018																					
110	108,25	111,75	35,0	50,0											26,5	44,0										
120	118,25	121,75	45,0	60,0											36,5	54,0	30,5	48,0								
130	128,0	132,0	49,0	64,0											40,5	58,0	34,5	52,0								
140	138,0	142,0	59,0	74,0											50,5	68,0	44,5	62,0	36,0	56,0						
150	148,0	152,0	69,0	84,0											60,5	78,0	54,5	72,0	46,0	66,0	40,0	60,0				
160	156,0	164,0	79,0	94,0											70,5	88,0	64,5	82,0	56,0	76,0	50,0	70,0	41,5	64,0		
180	176,0	184,0	99,0	114											90,5	108	84,5	102	76,0	96,0	70,0	90,0	61,5	84,0		
200	195,4	204,6	119	134											110,5	128	104,5	122	96,0	116	90,0	110	81,5	104		
220	215,4	224,6	126	141											117,5	135	111,5	129	103	123	97,0	117	88,5	111		
240	235,4	244,6	146	161											137,5	155	131,5	149	123	143	117	137	108,5	131		
260	254,8	265,2	166	181											157,5	175	151,5	169	143	163	137	157	128,5	151		
280	274,8	285,2	Length by agreement in accordance with ISO 888												177,5	195	171,5	189	163	183	157	177	148,5	171		
300	294,8	305,2													197,5	215	191,5	209	183	203	177	197	168,5	191		
320	314,3	325,7													Length by agreement in accordance with ISO 888				211,5	229	203	223	197	217	188,5	211
340	334,3	345,7																	223	243	217	237	208,5	231		
360	354,3	365,7			243	263	237	257	228,5	251																
380	374,3	385,7			Length by agreement in accordance with ISO 888		257	277	248,5	271																
400	394,3	405,7					Length by agreement in accordance with ISO 888				268,5	291														
420	413,7	426,3			Length by agreement in accordance with ISO 888								288,5	311												
—	—	—					Length by agreement in accordance with ISO 888																			

NOTE Sizes shown in brackets are non-preferred dimensions.

<sup>a</sup> *P* is the pitch of the thread.

<sup>b</sup> For *l<sub>nom</sub>* ≤ 125 mm.

<sup>c</sup> For 125 mm < *l<sub>nom</sub>* ≤ 200 mm.

<sup>d</sup> For *l<sub>nom</sub>* > 200 mm.

Table 4 — Dimensions - M45 to M64

Dimensions in millimetres

Thread, <i>d</i>		(M45)	M48	(M52)	M56	(M60)	M64											
<i>p</i> <sup>a</sup>		4,5	5	5	5,5	5,5	6											
<i>b</i>	ref. <sup>b</sup>	102	108	116	—	—	—											
	<sup>c</sup>	115	121	129	137	145	153											
<i>c</i>	max.	1,0	1,0	1,0	1,0	1,0	1,0											
<i>d<sub>a</sub></i>	max.	52,6	56,6	62,6	67,0	71,0	75,0											
<i>d<sub>s</sub></i>	max.	46,0	49,0	53,2	57,2	61,2	65,2											
	min.	44,0	47,0	50,8	54,8	58,8	62,8											
<i>d<sub>w</sub></i>	min.	64,70	69,45	74,20	78,66	83,41	88,16											
<i>e</i>	min.	76,95	82,60	88,25	93,56	99,21	104,86											
	nom.	28	30	33	35	38	40											
	max.	29,05	31,05	34,25	36,25	39,25	41,25											
<i>k</i>	min.	26,95	28,95	31,75	33,75	36,75	38,75											
	<i>k<sub>w</sub></i>	min.	18,87	20,27	22,23	23,63	25,73	27,13										
<i>l<sub>f</sub></i>	max.	8	10	10	12	12	13											
<i>r</i>	min.	1,2	1,6	1,6	2,0	2,0	2,0											
<i>s</i>	nom. = max.	70,0	75,0	80,0	85,0	90,0	95,0											
	min.	68,1	73,1	78,1	82,8	87,8	92,8											
<i>l</i>		Range of standard lengths between the stepped bold lines																
nom.	min.	max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.	<i>l<sub>s</sub></i> min.	<i>l<sub>g</sub></i> max.				
160	156,0	164,0	35,5	58	Fully threaded screws specified in ISO 4018													
180	176,0	184,0	55,5	78											47	72		
200	195,4	204,6	75,5	98											67	92	59	84
220	215,4	224,6	82,5	105											74	99	66	91
240	235,4	244,6	102,5	125	94	119	86	111	75,5	103	67,5	95	57	87				
260	254,8	265,2	122,5	145	114	139	106	131	95,5	123	87,5	115	77	107				
280	274,8	285,2	142,5	165	134	159	126	151	115,5	143	107,5	135	97	127				
300	294,8	305,2	162,5	185	154	179	146	171	135,5	163	127,5	155	117	147				
320	314,3	325,7	182,5	205	174	199	166	191	155,5	183	147,5	175	137	167				
340	334,3	345,7	202,5	225	194	219	186	211	175,5	203	167,5	195	157	187				
360	354,3	365,7	222,5	245	214	239	206	231	195,5	223	187,5	215	177	207				
380	374,3	385,7	242,5	265	234	259	226	251	215,5	243	207,5	235	197	227				
400	394,3	405,7	262,5	285	254	279	246	271	235,5	263	227,5	255	217	247				
420	413,7	426,3	282,5	305	274	299	266	291	255,5	283	247,5	275	237	267				
440	433,7	446,3	302,5	325	294	319	286	311	275,5	303	267,5	295	257	287				
460	453,7	466,3			314	339	306	331	295,5	323	287,5	315	277	307				
480	473,7	486,3			334	359	326	351	315,5	343	307,5	335	297	327				
500	493,7	506,3			346	371	335,5	363	327,5	355	317	347						
—		—		Length by agreement in accordance with ISO 888														
NOTE Sizes shown in brackets are non-preferred dimensions.																		
<sup>a</sup> <i>P</i> is the pitch of the thread.																		
<sup>b</sup> For 125 mm < <i>l<sub>nom</sub></i> ≤ 200 mm.																		
<sup>c</sup> For <i>l<sub>nom</sub></i> > 200 mm.																		

## 5 Requirements and reference International Standards

The requirements specified in the International Standards listed in Table 5 shall apply.

**Table 5 — Requirements and reference International Standards**

Material		Steel	
<b>General requirements</b>	International Standard	ISO 8992	
	Tolerance class	8g <sup>a</sup>	
<b>Thread</b>	International Standard	ISO 965-1	
	Property class	M5 ≤ <i>d</i> ≤ M39	4.6, 4.8
<b>Mechanical properties</b>	Symbol	<i>d</i> > M39	As agreed
	International Standard	ISO 898-1	
<b>Tolerances</b>	Product grade	C (except for size M5 where $d_{\text{wmin}} = s_{\text{min}} - \text{IT15}$ )	
	International Standard	ISO 4759-1	
<b>Surface condition</b>	As processed (no coating) Electroplated coatings as specified in ISO 4042 Non-electrolytically applied zinc flake coatings as specified in ISO 10683 Hot dip galvanized coatings as specified in ISO 10684 Other finishes, coatings and/or additional requirements shall be agreed between the purchaser and the supplier		
<b>Surface integrity</b>	Limits for surface discontinuities as specified in ISO 6157-1		
<b>Acceptability</b>	Acceptance inspection as specified in ISO 3269		

<sup>a</sup> Depending on the type of coating to be applied, another tolerance position of the thread may be specified for the uncoated fastener in accordance with the relevant coating standard.

## 6 Marking and labelling

### 6.1 Marking on product

Marking shall be as specified in ISO 898-1.

### 6.2 Labelling on package

Labelling on the package shall be in accordance with ISO 898-1, and shall include at least:

- the reference to this document, i.e. ISO 4016,
- the thread size *d* and nominal length *l*,
- the symbol of the property class,
- the type of surface condition (finish and/or coating),
- the manufacturer's and/or distributor's identification and/or name,
- the manufacturing lot number as specified in ISO 1891-4,
- the quantity of pieces in the package.