



SLOVENSKI STANDARD
SIST EN 1665:2001/AC:2001
01-julij-2001

Vijaki s šest robo glavo s poševnim krajcem - Težka izvedba - Dopolnilo AC

Hexagon bolts with flange - Heavy series

Sechskantschrauben mit Flansch - Schwere Reihe

Vis à tête hexagonale à embase cylindro-tronconique - Série large

Ta slovenski standard je istoveten z: EN 1665:1997/AC:1998

[SIST EN 1665:2001/AC:2001](https://standards.iteh.ai/catalog/standards/sist/c373856c-3b9f-40f7-b300-da7b385bfab3/sist-en-1665-2001-ac-2001)

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ICS:

21.060.10 Sorniki, vijaki, stebelni vijaki Bolts, screws, studs

SIST EN 1665:2001/AC:2001 **en**

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EUROPEAN STANDARD

EN 1665:1997/AC

NORME EUROPÉENNE

March 1998

EUROPÄISCHE NORM

Mars 1998

März 1998

English version
Version Française
Deutsche Fassung

Hexagon bolts with flange - Heavy series

Vis à tête hexagonale à embase cylindro-
tronconique - Série large

Sechskantschrauben mit Flansch -
Schwere Reihe

This corrigendum becomes effective on 19 March 1998 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 19 mars 1998 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 19. März 1998 in Kraft zur Einarbeitung der drei offiziellen Sprachfassungen der EN einzufügen.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Ref. No. EN 1665:1997/AC:1998 D/E/F

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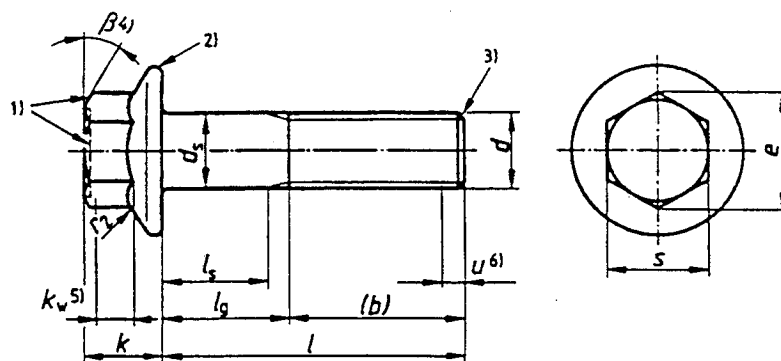
CORRECTED 1998-03-19

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3 Dimensions

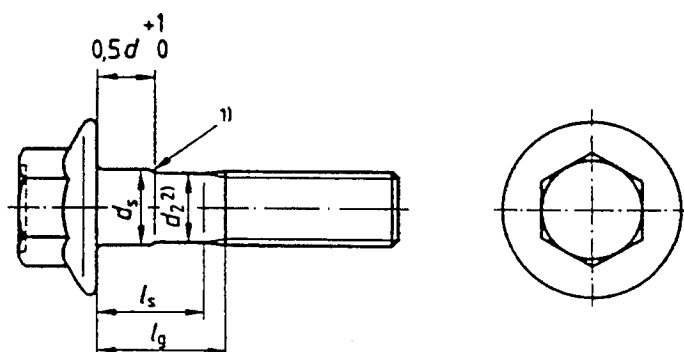
Dimensions shall be in accordance with figures 1 to 3 and table 1.

NOTE: Symbols and designations of dimensions are specified in EN 20225.



- 1) The top of the head shall be either full form or indented at the manufacturer's option and shall be either chamfered or rounded. The minimum diameter of the chamfer circle or start of rounding shall be the maximum width across flats minus 15 %. If the top of the head is indented, the periphery may be rounded.
- 2) Edge contour optional.
- 3) Chamfered end (see prEN ISO 4753).
- 4) $\beta = 15^\circ$ to 30°
- 5) k_w is the wrenching height; see the note to table 1.
- 6) Incomplete thread $u \leq 2 P$.

Figure 1: Hexagon bolt with flange – Full shank (standard type)



other dimensions, see figure 1

- 1) Rounded or chamfered or conical.
- 2) d_2 is approximately equal to the pitch diameter (rolling diameter).

Figure 2: Hexagon bolt with flange – Reduced shank, type R (upon request)

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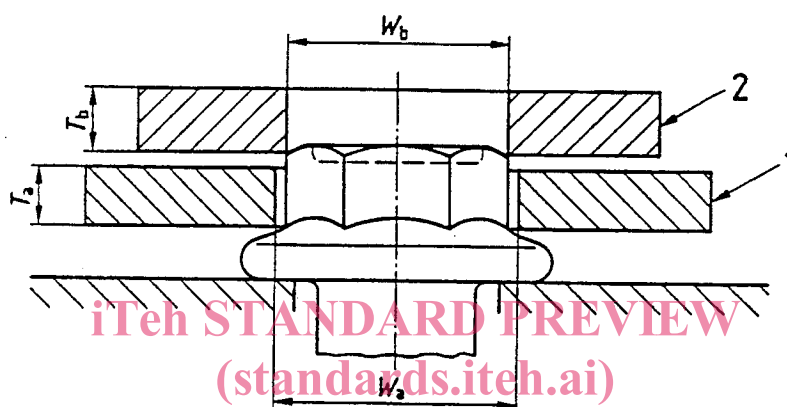
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Annex A (normative)

Gauging of hexagon flange heads

The head shall be gauged using two ring gauges, A and B, to demonstrate the coincidental acceptability of hexagon height, wrenching height, corner fill and width across corners. Gauge A shall be placed over the hexagon and shall seat on the flange. Gauge B shall be placed on the top of the head normal to the bolt axis. The two gauges shall not be in contact.



- 1 Gauge A
2 Gauge B

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NOTE: $W_{a, \min} = e_{\text{theoretical}}$
 $W_{b, \max} = e_{\min} - 0,01 \text{ mm}$
 $T_{a, \max} = k_{w, \min}$

Figure A.1

Table A.1

Dimensions in millimetres

Thread	Gauge A				Gauge B		
	W_a		T_a		W_b		T_b
	max.	min.	max.	min.	max.	min.	min.
M5	9,25	9,24	2,60	2,59	8,70	8,69	3
M6	11,56	11,55	3,00	2,99	10,94	10,93	3
M8	15,02	15,01	3,90	3,89	14,25	14,24	4
M10	18,49	18,48	5,10	5,09	17,61	17,60	4
M12	20,79	20,78	5,60	5,59	19,85	19,84	5
M14	24,26	24,25	6,50	6,49	23,14	23,13	5
M16	27,72	27,71	7,30	7,29	26,50	26,49	6
M20	34,65	34,64	8,90	8,89	33,22	33,21	6