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**ISO general purpose metric screw  
threads — Tolerances —**

Part 3:  
**Limit deviations for screw threads**

*Filetages métriques ISO pour usages généraux — Tolérances —  
Partie 3: Écartes limites pour filetages*



Reference number  
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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 1, *Screw threads*.

This fourth edition cancels and replaces the third edition (ISO 965-3:1998), which has been technically revised.

The main changes compared to the previous edition are as follows:

- in the document title, “constructional” has been deleted;
- in [Clause 1](#), the third paragraph has been added;
- in [Clause 4](#), the phrase “basic profiles” has been replaced by “basic profile and fundamental deviation” (first paragraph of ISO 965-3:1998; second paragraph of ISO 965-3:2020);
- in [Clause 4](#) and [Table 1](#), the deviation formula and values for the minor diameter of external threads have been deleted;
- in [Table 1](#) four tolerance classes (4g, 5g4g, 8e and 9e8e) have been added.

A list of all parts in the ISO 965 series can be found on the ISO website.

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).

# ISO general purpose metric screw threads — Tolerances —

## Part 3: Limit deviations for screw threads

### 1 Scope

This document specifies limit deviations for pitch and crest diameters for ISO general purpose metric screw threads (M) conforming to ISO 261 having basic profile in accordance with ISO 68-1.

The limit deviations specified are derived from the fundamental deviations and tolerances specified in ISO 965-1.

This document is applicable to ISO general purpose metric screw threads with the recommended tolerance classes.

### 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 5408, *Screw threads — Vocabulary*

### 3 Terms and definitions

For the purposes of this part of document, the terms and definitions given in ISO 5408 apply.

ISO and IEC maintain terminological 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 Limit deviations

Limit deviations are given in [Table 1](#).

For internal threads as well as external threads, the actual root contour shall not in any point transgress the basic profile and fundamental deviation.

For coated threads, the tolerances apply to the parts before coating, unless otherwise stated. After coating the actual thread profile shall not in any point transgress the maximum material limits for position H or h respectively.

NOTE These provisions are intended for thin coatings, for example those obtained by electroplating.

Table 1 — Limit deviations

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
0,99	1,4	0,2	-	-	-	-	3h4h	0	-24	0	-36	
			-	-	-	-	4g	-17	-47	-17	-53	
			4H	40	0	38	0	4h	0	-30	0	-36
			-	-	-	-	5g4g	-17	-55	-17	-53	
			5G	-	-	-	-	5g6g	-17	-55	-17	-73
			5H	-	-	-	-	5h4h	0	-38	0	-36
			-	-	-	-	5h6h	0	-38	0	-56	
			-	-	-	-	6e	-	-	-	-	
			-	-	-	-	6f	-	-	-	-	
			6G	-	-	-	-	6g	-17	-65	-17	-73
			6H	-	-	-	-	6h	0	-48	0	-56
			-	-	-	-	7e6e	-	-	-	-	
			7G	-	-	-	-	7g6g	-	-	-	-
			7H	-	-	-	-	7h6h	-	-	-	-
			-	-	-	-	8e	-	-	-	-	
			8G	-	-	-	-	8g	-	-	-	-
-	-	-	-	9e8e	-	-	-	-				
8H	-	-	-	-	9g8g	-	-	-	-			
0,99	1,4	0,25	-	-	-	-	3h4h	0	-26	0	-42	
			-	-	-	-	4g	-18	-52	-18	-60	
			4H	45	0	45	0	4h	0	-34	0	-42
			-	-	-	-	5g4g	-18	-60	-18	-60	
			5G	74	18	74	18	5g6g	-18	-60	-18	-85
			5H	56	0	56	0	5h4h	0	-42	0	-42
			-	-	-	-	5h6h	0	-42	0	-67	
			-	-	-	-	6e	-	-	-	-	
			-	-	-	-	6f	-	-	-	-	
			6G	-	-	-	-	6g	-18	-71	-18	-85
			6H	-	-	-	-	6h	0	-53	0	-67
			-	-	-	-	7e6e	-	-	-	-	
			7G	-	-	-	-	7g6g	-	-	-	-
			7H	-	-	-	-	7h6h	-	-	-	-
			-	-	-	-	8e	-	-	-	-	
			8G	-	-	-	-	8g	-	-	-	-
-	-	-	-	9e8e	-	-	-	-				
8H	-	-	-	-	9g8g	-	-	-	-			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
0,99	1,4	0,3	-	-	-	-	3h4h	0	-28	0	-48	
			-	-	-	-	4g	-18	-54	-18	-66	
			4H	48	0	53	0	4h	0	-36	0	-48
			-	-	-	-	5g4g	-18	-63	-18	-66	
			5G	78	18	85	18	5g6g	-18	-63	-18	-93
			5H	60	0	67	0	5h4h	0	-45	0	-48
			-	-	-	-	5h6h	0	-45	0	-75	
			-	-	-	-	6e	-	-	-	-	
			-	-	-	-	6f	-	-	-	-	
			6G	93	18	103	18	6g	-18	-74	-18	-93
			6H	75	0	85	0	6h	0	-56	0	-75
			-	-	-	-	7e6e	-	-	-	-	
			7G	-	-	-	-	7g6g	-	-	-	-
			7H	-	-	-	-	7h6h	-	-	-	-
			-	-	-	-	8e	-	-	-	-	
			8G	-	-	-	-	8g	-	-	-	-
-	-	-	-	9e8e	-	-	-	-				
8H	-	-	-	-	9g8g	-	-	-	-			
1,4	2,8	0,2	-	-	-	-	3h4h	0	-25	0	-36	
			-	-	-	-	4g	-17	-49	-17	-53	
			4H	42	0	38	0	4h	0	-32	0	-36
			-	-	-	-	5g4g	-17	-57	-17	-53	
			5G	-	-	-	-	5g6g	-17	-57	-17	-73
			5H	-	-	-	-	5h4h	0	-40	0	-36
			-	-	-	-	5h6h	0	-40	0	-56	
			-	-	-	-	6e	-	-	-	-	
			-	-	-	-	6f	-	-	-	-	
			6G	-	-	-	-	6g	-17	-67	-17	-73
			6H	-	-	-	-	6h	0	-50	0	-56
			-	-	-	-	7e6e	-	-	-	-	
			7G	-	-	-	-	7g6g	-	-	-	-
			7H	-	-	-	-	7h6h	-	-	-	-
			-	-	-	-	8e	-	-	-	-	
			8G	-	-	-	-	8g	-	-	-	-
-	-	-	-	9e8e	-	-	-	-				
8H	-	-	-	-	9g8g	-	-	-	-			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".



Table 1 (continued)

Basic major diameter		Pitch	Internal thread						External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter			
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>		
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$			
1,4	2,8	0,25	-	-	-	-	-	3h4h	0	-28	0	-42		
			-	-	-	-	-	-	4g	-18	-54	-18	-60	
			4H	48	0	45	0	4h	0	-36	0	-42		
			-	-	-	-	-	-	5g4g	-18	-63	-18	-60	
			5G	78	18	74	18	5g6g	-18	-63	-18	-85		
			5H	60	0	56	0	5h4h	0	-45	0	-42		
			-	-	-	-	-	-	5h6h	0	-45	0	-67	
			-	-	-	-	-	-	6e	-	-	-	-	
			-	-	-	-	-	-	6f	-	-	-	-	
			6G	-	-	-	-	6g	-18	-74	-18	-85		
			6H	-	-	-	-	6h	0	-56	0	-67		
			-	-	-	-	-	7e6e	-	-	-	-		
			7G	-	-	-	-	7g6g	-	-	-	-		
			7H	-	-	-	-	7h6h	-	-	-	-		
			-	-	-	-	-	8e	-	-	-	-		
			1,4	2,8	0,35	-	-	-	-	-	3h4h	0	-32	0
-	-	-				-	-	-	4g	-19	-59	-19	-72	
4H	53	0				63	0	4h	0	-40	0	-53		
-	-	-				-	-	-	5g4g	-19	-69	-19	-72	
5G	86	19				99	19	5g6g	-19	-69	-19	-104		
5H	67	0				80	0	5h4h	0	-50	0	-53		
-	-	-				-	-	-	5h6h	0	-50	0	-85	
-	-	-				-	-	-	6e	-	-	-	-	
-	-	-				-	-	-	6f	-34	-97	-34	-119	
6G	104	19				119	19	6g	-19	-82	-19	-104		
6H	85	0				100	0	6h	0	-63	0	-85		
-	-	-				-	-	7e6e	-	-	-	-		
7G	-	-				-	-	7g6g	-19	-99	-19	-104		
7H	-	-				-	-	7h6h	0	-80	0	-85		
-	-	-				-	-	8e	-	-	-	-		
8G	-	-				-	-	8g	-	-	-	-		
	-	-	-	-	9e8e	-	-	-	-					
	8H	-	-	-	9g8g	-	-	-	-					
	-	-	-	-	-	-	-	-	-					

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".



Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
mm	mm	mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
1,4	2,8	0,4	-	-	-	-	3h4h	0	-34	0	-60	
			-	-	-	-	4g	-19	-61	-19	-79	
			4H	56	0	71	0	4h	0	-42	0	-60
			-	-	-	-	5g4g	-19	-72	-19	-79	
			5G	90	19	109	19	5g6g	-19	-72	-19	-114
			5H	71	0	90	0	5h4h	0	-53	0	-60
			-	-	-	-	5h6h	0	-53	0	-95	
			-	-	-	-	6e	-	-	-	-	
			-	-	-	-	6f	-34	-101	-34	-129	
			6G	109	19	131	19	6g	-19	-86	-19	-114
			6H	90	0	112	0	6h	0	-67	0	-95
			-	-	-	-	7e6e	-	-	-	-	
			7G	-	-	-	-	7g6g	-19	-104	-19	-114
			7H	-	-	-	-	7h6h	0	-85	0	-95
-	-	-	-	8e	-	-	-	-				
8G	-	-	-	-	8g	-	-	-	-			
-	-	-	-	9e8e	-	-	-	-				
8H	-	-	-	-	9g8g	-	-	-	-			
1,4	2,8	0,45	-	-	-	-	3h4h	0	-36	0	-63	
			-	-	-	-	4g	-20	-65	-20	-83	
			4H	60	0	80	0	4h	0	-45	0	-63
			-	-	-	-	5g4g	-20	-76	-20	-83	
			5G	95	20	120	20	5g6g	-20	-76	-20	-120
			5H	75	0	100	0	5h4h	0	-56	0	-63
			-	-	-	-	5h6h	0	-56	0	-100	
			-	-	-	-	6e	-	-	-	-	
			-	-	-	-	6f	-35	-106	-35	-135	
			6G	115	20	145	20	6g	-20	-91	-20	-120
			6H	95	0	125	0	6h	0	-71	0	-100
			-	-	-	-	7e6e	-	-	-	-	
			7G	-	-	-	-	7g6g	-20	-110	-20	-120
			7H	-	-	-	-	7h6h	0	-90	0	-100
-	-	-	-	8e	-	-	-	-				
8G	-	-	-	-	8g	-	-	-	-			
-	-	-	-	9e8e	-	-	-	-				
8H	-	-	-	-	9g8g	-	-	-	-			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread						External thread						
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter				
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>			
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$				
2,8	5,6	0,35	-	-	-	-	-	3h4h	0	-34	0	-53			
			-	-	-	-	-	4g	-19	-61	-19	-72			
			4H	56	0	63	0	4h	0	-42	0	-53			
			-	-	-	-	-	5g4g	-19	-72	-19	-72			
			5G	90	19	99	19	5g6g	-19	-72	-19	-104			
			5H	71	0	80	0	5h4h	0	-53	0	-53			
			-	-	-	-	-	5h6h	0	-53	0	-85			
			-	-	-	-	-	6e	-	-	-	-			
			-	-	-	-	-	6f	-34	-101	-34	-119			
			6G	109	19	119	19	6g	-19	-86	-19	-104			
			6H	90	0	100	0	6h	0	-67	0	-85			
			-	-	-	-	-	7e6e	-	-	-	-			
			7G	-	-	-	-	7g6g	-19	-104	-19	-104			
			7H	-	-	-	-	7h6h	0	-85	0	-85			
			-	-	-	-	-	8e	-	-	-	-			
			2,8	5,6	0,5	-	-	-	-	-	3h4h	0	-38	0	-67
						-	-	-	-	-	4g	-20	-68	-20	-87
4H	63	0				90	0	4h	0	-48	0	-67			
-	-	-				-	-	5g4g	-20	-80	-20	-87			
5G	100	20				132	20	5g6g	-20	-80	-20	-126			
5H	80	0				112	0	5h4h	0	-60	0	-67			
-	-	-				-	-	5h6h	0	-60	0	-106			
-	-	-				-	-	6e	-50	-125	-50	-156			
-	-	-				-	-	6f	-36	-111	-36	-142			
6G	120	20				160	20	6g	-20	-95	-20	-126			
6H	100	0				140	0	6h	0	-75	0	-106			
-	-	-				-	-	7e6e	-50	-145	-50	-156			
7G	145	20				200	20	7g6g	-20	-115	-20	-126			
7H	125	0				180	0	7h6h	0	-95	0	-106			
-	-	-				-	-	8e	-	-	-	-			
8G	-	-				-	-	8g	-	-	-	-			
-	-	-				-	-	9e8e	-	-	-	-			
8H	-	-	-	-	9g8g	-	-	-	-						

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread						
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter		
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>	
mm	mm	mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		
2,8	5,6	0,6	-	-	-	-	-	3h4h	0	-42	0	-80	
			-	-	-	-	-	-	4g	-21	-74	-21	-101
			4H	71	0	100	0	4h	0	-53	0	-80	
			-	-	-	-	-	-	5g4g	-21	-88	-21	-101
			5G	111	21	146	21	5g6g	-21	-88	-21	-146	
			5H	90	0	125	0	5h4h	0	-67	0	-80	
			-	-	-	-	-	-	5h6h	0	-67	0	-125
			-	-	-	-	-	-	6e	-53	-138	-53	-178
			-	-	-	-	-	-	6f	-36	-121	-36	-161
			6G	133	21	181	21	6g	-21	-106	-21	-146	
			6H	112	0	160	0	6h	0	-85	0	-125	
			-	-	-	-	-	-	7e6e	-53	-159	-53	-178
			7G	161	21	221	21	7g6g	-21	-127	-21	-146	
			7H	140	0	200	0	7h6h	0	-106	0	-125	
			-	-	-	-	-	-	8e	-	-	-	-
			-	-	-	-	-	-	8g	-	-	-	-
-	-	-	-	-	-	9e8e	-	-	-	-			
-	-	-	-	-	-	8H	-	-	-	-			
2,8	5,6	0,7	-	-	-	-	-	3h4h	0	-45	0	-90	
			-	-	-	-	-	-	4g	-22	-78	-22	-112
			4H	75	0	112	0	4h	0	-56	0	-90	
			-	-	-	-	-	-	5g4g	-22	-93	-22	-112
			5G	117	22	162	22	5g6g	-22	-93	-22	-162	
			5H	95	0	140	0	5h4h	0	-71	0	-90	
			-	-	-	-	-	-	5h6h	0	-71	0	-140
			-	-	-	-	-	-	6e	-56	-146	-56	-196
			-	-	-	-	-	-	6f	-38	-128	-38	-178
			6G	140	22	202	22	6g	-22	-112	-22	-162	
			6H	118	0	180	0	6h	0	-90	0	-140	
			-	-	-	-	-	-	7e6e	-56	-168	-56	-196
			7G	172	22	246	22	7g6g	-22	-134	-22	-162	
			7H	150	0	224	0	7h6h	0	-112	0	-140	
			-	-	-	-	-	-	8e	-	-	-	-
			-	-	-	-	-	-	8g	-	-	-	-
-	-	-	-	-	-	9e8e	-	-	-	-			
-	-	-	-	-	-	8H	-	-	-	-			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread						
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter		
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>	
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		
2,8	5,6	0,75	-	-	-	-	-	3h4h	0	-45	0	-90	
			-	-	-	-	-	-	4g	-22	-78	-22	-112
			4H	75	0	118	0	4h	0	-56	0	-90	
			-	-	-	-	-	-	5g4g	-22	-93	-22	-112
			5G	117	22	172	22	5g6g	-22	-93	-22	-162	
			5H	95	0	150	0	5h4h	0	-71	0	-90	
			-	-	-	-	-	-	5h6h	0	-71	0	-140
			-	-	-	-	-	-	6e	-56	-146	-56	-196
			-	-	-	-	-	-	6f	-38	-128	-38	-178
			6G	140	22	212	22	6g	-22	-112	-22	-162	
			6H	118	0	190	0	6h	0	-90	0	-140	
			-	-	-	-	-	-	7e6e	-56	-168	-56	-196
			7G	172	22	258	22	7g6g	-22	-134	-22	-162	
			7H	150	0	236	0	7h6h	0	-112	0	-140	
			-	-	-	-	-	-	8e	-	-	-	-
			2,8	5,6	0,8	-	-	-	-	-	3h4h	0	-48
-	-	-				-	-	-	4g	-24	-84	-24	-119
4H	80	0				125	0	4h	0	-60	0	-95	
-	-	-				-	-	-	5g4g	-24	-99	-24	-119
5G	124	24				184	24	5g6g	-24	-99	-24	-174	
5H	100	0				160	0	5h4h	0	-75	0	-95	
-	-	-				-	-	-	5h6h	0	-75	0	-150
-	-	-				-	-	-	6e	-60	-155	-60	-210
-	-	-				-	-	-	6f	-38	-133	-38	-188
6G	149	24				224	24	6g	-24	-119	-24	-174	
6H	125	0				200	0	6h	0	-95	0	-150	
-	-	-				-	-	-	7e6e	-60	-178	-60	-210
7G	184	24				274	24	7g6g	-24	-142	-24	-174	
7H	160	0				250	0	7h6h	0	-118	0	-150	
-	-	-				-	-	-	8e	-60	-210	-60	-296
8G	224	24				339	24	8g	-24	-174	-24	-260	
-	-	-	-	-	-	9e8e	-60	-250	-60	-296			
8H	200	0	315	0	9g8g	-24	-214	-24	-260				

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
5,6	11,2	0,75	-	-	-	-	3h4h	0	-50	0	-90	
			-	-	-	-	4g	-22	-85	-22	-112	
			4H	85	0	118	0	4h	0	-63	0	-90
			-	-	-	-	5g4g	-22	-102	-22	-112	
			5G	128	22	172	22	5g6g	-22	-102	-22	-162
			5H	106	0	150	0	5h4h	0	-80	0	-90
			-	-	-	-	5h6h	0	-80	0	-140	
			-	-	-	-	6e	-56	-156	-56	-196	
			-	-	-	-	6f	-38	-138	-38	-178	
			6G	154	22	212	22	6g	-22	-122	-22	-162
			6H	132	0	190	0	6h	0	-100	0	-140
			-	-	-	-	7e6e	-56	-181	-56	-196	
			7G	192	22	258	22	7g6g	-22	-147	-22	-162
			7H	170	0	236	0	7h6h	0	-125	0	-140
			-	-	-	-	8e	-	-	-	-	
			-	-	-	-	8G	-	-	-	-	
-	-	-	-	-	-	-	-	-				
-	-	-	-	8H	-	-	-	-				
5,6	11,2	1	-	-	-	-	3h4h	0	-56	0	-112	
			-	-	-	-	4g	-26	-97	-26	-138	
			4H	95	0	150	0	4h	0	-71	0	-112
			-	-	-	-	5g4g	-26	-116	-26	-138	
			5G	144	26	216	26	5g6g	-26	-116	-26	-206
			5H	118	0	190	0	5h4h	0	-90	0	-112
			-	-	-	-	5h6h	0	-90	0	-180	
			-	-	-	-	6e	-60	-172	-60	-240	
			-	-	-	-	6f	-40	-152	-40	-220	
			6G	176	26	262	26	6g	-26	-138	-26	-206
			6H	150	0	236	0	6h	0	-112	0	-180
			-	-	-	-	7e6e	-60	-200	-60	-240	
			7G	216	26	326	26	7g6g	-26	-166	-26	-206
			7H	190	0	300	0	7h6h	0	-140	0	-180
			-	-	-	-	8e	-60	-240	-60	-340	
			-	-	-	-	8G	-26	-206	-26	-306	
-	-	-	-	-	-60	-284	-60	-340				
-	-	-	-	8H	-26	-250	-26	-306				

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread						
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter		
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>	
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		
5,6	11,2	1,25	-	-	-	-	-	3h4h	0	-60	0	-132	
			-	-	-	-	-	-	4g	-28	-103	-28	-160
			4H	100	0	170	0	4h	0	-75	0	-132	
			-	-	-	-	-	-	5g4g	-28	-123	-28	-160
			5G	153	28	240	28	5g6g	-28	-123	-28	-240	
			5H	125	0	212	0	5h4h	0	-95	0	-132	
			-	-	-	-	-	-	5h6h	0	-95	0	-212
			-	-	-	-	-	-	6e	-63	-181	-63	-275
			-	-	-	-	-	-	6f	-42	-160	-42	-254
			6G	188	28	293	28	6g	-28	-146	-28	-240	
			6H	160	0	265	0	6h	0	-118	0	-212	
			-	-	-	-	-	-	7e6e	-63	-213	-63	-275
			7G	228	28	363	28	7g6g	-28	-178	-28	-240	
			7H	200	0	335	0	7h6h	0	-150	0	-212	
			-	-	-	-	-	-	8e	-63	-253	-63	-398
			5,6	11,2	1,5	-	-	-	-	-	3h4h	0	-67
-	-	-				-	-	-	4g	-32	-117	-32	-182
4H	112	0				190	0	4h	0	-85	0	-150	
-	-	-				-	-	-	5g4g	-32	-138	-32	-182
5G	172	32				268	32	5g6g	-32	-138	-32	-268	
5H	140	0				236	0	5h4h	0	-106	0	-150	
-	-	-				-	-	-	5h6h	0	-106	0	-236
-	-	-				-	-	-	6e	-67	-199	-67	-303
-	-	-				-	-	-	6f	-45	-177	-45	-281
6G	212	32				332	32	6g	-32	-164	-32	-268	
6H	180	0				300	0	6h	0	-132	0	-236	
-	-	-				-	-	-	7e6e	-67	-237	-67	-303
7G	256	32				407	32	7g6g	-32	-202	-32	-268	
7H	224	0				375	0	7h6h	0	-170	0	-236	
-	-	-				-	-	-	8e	-67	-279	-67	-442
8G	312	32				507	32	8g	-32	-244	-32	-407	
-	-	-	-	-	-	9e8e	-67	-332	-67	-442			
8H	280	0	475	0	9g8g	-32	-297	-32	-407				

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".



Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
11,2	22,4	1	–	–	–	–	3h4h	0	-60	0	-112	
			–	–	–	–	4g	-26	-101	-26	-138	
			4H	100	0	150	0	4h	0	-75	0	-112
			–	–	–	–	5g4g	-26	-121	-26	-138	
			5G	151	26	216	26	5g6g	-26	-121	-26	-206
			5H	125	0	190	0	5h4h	0	-95	0	-112
			–	–	–	–	5h6h	0	-95	0	-180	
			–	–	–	–	6e	-60	-178	-60	-240	
			–	–	–	–	6f	-40	-158	-40	-220	
			6G	186	26	262	26	6g	-26	-144	-26	-206
			6H	160	0	236	0	6h	0	-118	0	-180
			–	–	–	–	7e6e	-60	-210	-60	-240	
			7G	226	26	326	26	7g6g	-26	-176	-26	-206
			7H	200	0	300	0	7h6h	0	-150	0	-180
			–	–	–	–	8e	-60	-250	-60	-340	
			8G	276	26	401	26	8g	-26	-216	-26	-306
–	–	–	–	9e8e	-60	-296	-60	-340				
8H	250	0	375	0	9g8g	-26	-262	-26	-306			
11,2	22,4	1,25	–	–	–	–	3h4h	0	-67	0	-132	
			–	–	–	–	4g	-28	-113	-28	-160	
			4H	112	0	170	0	4h	0	-85	0	-132
			–	–	–	–	5g4g	-28	-134	-28	-160	
			5G	168	28	240	28	5g6g	-28	-134	-28	-240
			5H	140	0	212	0	5h4h	0	-106	0	-132
			–	–	–	–	5h6h	0	-106	0	-212	
			–	–	–	–	6e	-63	-195	-63	-275	
			–	–	–	–	6f	-42	-174	-42	-254	
			6G	208	28	293	28	6g	-28	-160	-28	-240
			6H	180	0	265	0	6h	0	-132	0	-212
			–	–	–	–	7e6e	-63	-233	-63	-275	
			7G	252	28	363	28	7g6g	-28	-198	-28	-240
			7H	224	0	335	0	7h6h	0	-170	0	-212
			–	–	–	–	8e	-63	-275	-63	-398	
			8G	308	28	453	28	8g	-28	-240	-28	-363
–	–	–	–	9e8e	-63	-328	-63	-398				
8H	280	0	425	0	9g8g	-28	-293	-28	-363			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".



Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread						
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter		
mm	mm			mm	<i>ES</i>	<i>EI</i>	<i>ES</i>		<i>EI</i>	<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
			$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		
11,2	22,4	1,5	-	-	-	-	-	3h4h	0	-71	0	-150	
			-	-	-	-	-	-	4g	-32	-122	-32	-182
			4H	118	0	190	0	4h	0	-90	0	-150	
			-	-	-	-	-	-	5g4g	-32	-144	-32	-182
			5G	182	32	268	32	5g6g	-32	-144	-32	-268	
			5H	150	0	236	0	5h4h	0	-112	0	-150	
			-	-	-	-	-	-	5h6h	0	-112	0	-236
			-	-	-	-	-	-	6e	-67	-207	-67	-303
			-	-	-	-	-	-	6f	-45	-185	-45	-281
			6G	222	32	332	32	6g	-32	-172	-32	-268	
			6H	190	0	300	0	6h	0	-140	0	-236	
			-	-	-	-	-	-	7e6e	-67	-247	-67	-303
			7G	268	32	407	32	7g6g	-32	-212	-32	-268	
			7H	236	0	375	0	7h6h	0	-180	0	-236	
			-	-	-	-	-	-	8e	-67	-291	-67	-442
			11,2	22,4	1,75	-	-	-	-	-	3h4h	0	-75
-	-	-				-	-	-	4g	-34	-129	-34	-204
4H	125	0				212	0	4h	0	-95	0	-170	
-	-	-				-	-	-	5g4g	-34	-152	-34	-204
5G	194	34				299	34	5g6g	-34	-152	-34	-299	
5H	160	0				265	0	5h4h	0	-118	0	-170	
-	-	-				-	-	-	5h6h	0	-118	0	-265
-	-	-				-	-	-	6e	-71	-221	-71	-336
-	-	-				-	-	-	6f	-48	-198	-48	-313
6G	234	34				369	34	6g	-34	-184	-34	-299	
6H	200	0				335	0	6h	0	-150	0	-265	
-	-	-				-	-	-	7e6e	-71	-261	-71	-336
7G	284	34				459	34	7g6g	-34	-224	-34	-299	
7H	250	0				425	0	7h6h	0	-190	0	-265	
-	-	-				-	-	-	8e	-71	-307	-71	-496
11,2	22,4	1,75				8G	349	34	564	34	8g	-34	-270
			-	-	-	-	-	-	9e8e	-71	-371	-71	-496
			8H	315	0	530	0	9g8g	-34	-334	-34	-459	
			-	-	-	-	-	-	-	-	-	-	-

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread						
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter		
mm	mm			mm	<i>ES</i>	<i>EI</i>	<i>ES</i>		<i>EI</i>	<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
			$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		
11,2	22,4	2	-	-	-	-	-	3h4h	0	-80	0	-180	
			-	-	-	-	-	-	4g	-38	-138	-38	-218
			4H	132	0	236	0	4h	0	-100	0	-180	
			-	-	-	-	-	-	5g4g	-38	-163	-38	-218
			5G	208	38	338	38	5g6g	-38	-163	-38	-318	
			5H	170	0	300	0	5h4h	0	-125	0	-180	
			-	-	-	-	-	-	5h6h	0	-125	0	-280
			-	-	-	-	-	-	6e	-71	-231	-71	-351
			-	-	-	-	-	-	6f	-52	-212	-52	-332
			6G	250	38	413	38	6g	-38	-198	-38	-318	
			6H	212	0	375	0	6h	0	-160	0	-280	
			-	-	-	-	-	-	7e6e	-71	-271	-71	-351
			7G	303	38	513	38	7g6g	-38	-238	-38	-318	
			7H	265	0	475	0	7h6h	0	-200	0	-280	
			-	-	-	-	-	-	8e	-71	-321	-71	-521
			8G	373	38	638	38	8g	-38	-288	-38	-488	
-	-	-	-	-	-	9e8e	-71	-386	-71	-521			
8H	335	0	600	0	9g8g	-38	-353	-38	-488				
11,2	22,4	2,5	-	-	-	-	-	3h4h	0	-85	0	-212	
			-	-	-	-	-	-	4g	-42	-148	-42	-254
			4H	140	0	280	0	4h	0	-106	0	-212	
			-	-	-	-	-	-	5g4g	-42	-174	-42	-254
			5G	222	42	397	42	5g6g	-42	-174	-42	-377	
			5H	180	0	355	0	5h4h	0	-132	0	-212	
			-	-	-	-	-	-	5h6h	0	-132	0	-335
			-	-	-	-	-	-	6e	-80	-250	-80	-415
			-	-	-	-	-	-	6f	-58	-228	-58	-393
			6G	266	42	492	42	6g	-42	-212	-42	-377	
			6H	224	0	450	0	6h	0	-170	0	-335	
			-	-	-	-	-	-	7e6e	-80	-292	-80	-415
			7G	322	42	602	42	7g6g	-42	-254	-42	-377	
			7H	280	0	560	0	7h6h	0	-212	0	-335	
			-	-	-	-	-	-	8e	-80	-345	-80	-610
			8G	397	42	752	42	8g	-42	-307	-42	-572	
-	-	-	-	-	-	9e8e	-80	-415	-80	-610			
8H	355	0	710	0	9g8g	-42	-377	-42	-572				

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
22,4	45	1	-	-	-	-	3h4h	0	-63	0	-112	
			-	-	-	-	4g	-26	-106	-26	-138	
			4H	106	0	150	0	4h	0	-80	0	-112
			-	-	-	-	5g4g	-26	-126	-26	-138	
			5G	158	26	216	26	5g6g	-26	-126	-26	-206
			5H	132	0	190	0	5h4h	0	-100	0	-112
			-	-	-	-	5h6h	0	-100	0	-180	
			-	-	-	-	6e	-60	-185	-60	-240	
			-	-	-	-	6f	-40	-165	-40	-220	
			6G	196	26	262	26	6g	-26	-151	-26	-206
			6H	170	0	236	0	6h	0	-125	0	-180
			-	-	-	-	7e6e	-60	-220	-60	-240	
			7G	238	26	326	26	7g6g	-26	-186	-26	-206
			7H	212	0	300	0	7h6h	0	-160	0	-180
			-	-	-	-	8e	-60	-260	-60	-340	
			22,4	45	1,5	-	-	-	-	3h4h	0	-75
-	-	-				-	4g	-32	-127	-32	-182	
4H	125	0				190	0	4h	0	-95	0	-150
-	-	-				-	5g4g	-32	-150	-32	-182	
5G	192	32				268	32	5g6g	-32	-150	-32	-268
5H	160	0				236	0	5h4h	0	-118	0	-150
-	-	-				-	5h6h	0	-118	0	-236	
-	-	-				-	6e	-67	-217	-67	-303	
-	-	-				-	6f	-45	-195	-45	-281	
6G	232	32				332	32	6g	-32	-182	-32	-268
6H	200	0				300	0	6h	0	-150	0	-236
-	-	-				-	7e6e	-67	-257	-67	-303	
7G	282	32				407	32	7g6g	-32	-222	-32	-268
7H	250	0				375	0	7h6h	0	-190	0	-236
-	-	-				-	8e	-67	-303	-67	-442	
8G	347	32				507	32	8g	-32	-268	-32	-407
-	-	-	-	9e8e	-67	-367	-67	-442				
8H	315	0	475	0	9g8g	-32	-332	-32	-407			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
mm	mm	mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
22,4	45	2	-	-	-	-	3h4h	0	-85	0	-180	
			-	-	-	-	4g	-38	-144	-38	-218	
			4H	140	0	236	0	4h	0	-106	0	-180
			-	-	-	-	5g4g	-38	-170	-38	-218	
			5G	218	38	338	38	5g6g	-38	-170	-38	-318
			5H	180	0	300	0	5h4h	0	-132	0	-180
			-	-	-	-	5h6h	0	-132	0	-280	
			-	-	-	-	6e	-71	-241	-71	-351	
			-	-	-	-	6f	-52	-222	-52	-332	
			6G	262	38	413	38	6g	-38	-208	-38	-318
			6H	224	0	375	0	6h	0	-170	0	-280
			-	-	-	-	7e6e	-71	-283	-71	-351	
			7G	318	38	513	38	7g6g	-38	-250	-38	-318
			7H	280	0	475	0	7h6h	0	-212	0	-280
			-	-	-	-	8e	-71	-336	-71	-521	
			8G	393	38	638	38	8g	-38	-303	-38	-488
-	-	-	-	9e8e	-71	-406	-71	-521				
8H	355	0	600	0	9g8g	-38	-373	-38	-488			
22,4	45	3	-	-	-	-	3h4h	0	-100	0	-236	
			-	-	-	-	4g	-48	-173	-48	-284	
			4H	170	0	315	0	4h	0	-125	0	-236
			-	-	-	-	5g4g	-48	-208	-48	-284	
			5G	260	48	448	48	5g6g	-48	-208	-48	-423
			5H	212	0	400	0	5h4h	0	-160	0	-236
			-	-	-	-	5h6h	0	-160	0	-375	
			-	-	-	-	6e	-85	-285	-85	-460	
			-	-	-	-	6f	-63	-263	-63	-438	
			6G	313	48	548	48	6g	-48	-248	-48	-423
			6H	265	0	500	0	6h	0	-200	0	-375
			-	-	-	-	7e6e	-85	-335	-85	-460	
			7G	383	48	678	48	7g6g	-48	-298	-48	-423
			7H	335	0	630	0	7h6h	0	-250	0	-375
			-	-	-	-	8e	-85	-400	-85	-685	
			8G	473	48	848	48	8g	-48	-363	-48	-648
-	-	-	-	9e8e	-85	-485	-85	-685				
8H	425	0	800	0	9g8g	-48	-448	-48	-648			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread								
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter				
mm	mm			mm	<i>ES</i>	<i>EI</i>	<i>ES</i>		<i>EI</i>	<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>		
			$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$				
22,4	45	3,5	-	-	-	-	-	3h4h	0	-106	0	-265			
			-	-	-	-	-	-	4g	-53	-185	-53	-318		
			4H	180	0	355	0	4h	0	132	0	-265			
			-	-	-	-	-	-	5g4g	-53	-223	-53	-318		
			5G	277	53	503	53	5g6g	-53	-223	-53	-478			
			5H	224	0	450	0	5h4h	0	-170	0	-265			
			-	-	-	-	-	-	5h6h	0	-170	0	-425		
			-	-	-	-	-	-	6e	-90	-302	-90	-515		
			-	-	-	-	-	-	6f	-70	-282	-70	-495		
			6G	333	53	613	53	6g	-53	-265	-53	-478			
			6H	280	0	560	0	6h	0	-212	0	-425			
			-	-	-	-	-	-	7e6e	-90	-355	-90	-515		
			7G	408	53	763	53	7g6g	-53	-318	-53	-478			
			7H	355	0	710	0	7h6h	0	-265	0	-425			
			-	-	-	-	-	-	8e	-90	-425	-90	-760		
			22,4	45	4	-	-	-	-	-	3h4h	0	-112	0	-300
						-	-	-	-	-	-	4g	-60	-200	-60
4H	190	0				375	0	4h	0	-140	0	-300			
-	-	-				-	-	-	5g4g	-60	-240	-60	-360		
5G	296	60				535	60	5g6g	-60	-240	-60	-535			
5H	236	0				475	0	5h4h	0	-180	0	-300			
-	-	-				-	-	-	5h6h	0	-180	0	-475		
-	-	-				-	-	-	6e	-95	-319	-95	-570		
-	-	-				-	-	-	6f	-75	-299	-75	-550		
6G	360	60				660	60	6g	-60	-284	-60	-535			
6H	300	0				600	0	6h	0	-224	0	-475			
-	-	-				-	-	-	7e6e	-95	-375	-95	-570		
7G	435	60				810	60	7g6g	-60	-340	-60	-535			
7H	375	0				750	0	7h6h	0	-280	0	-475			
-	-	-				-	-	-	8e	-95	-450	-95	-845		
8G	535	60				1 010	60	8g	-60	-415	-60	-810			
-	-	-				-	-	-	9e8e	-95	-545	-95	-845		
8H	475	0	950	0	9g8g	-60	-510	-60	-810						

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
mm	mm	mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
22,4	45	4,5	–	–	–	–	–	3h4h	0	-118	0	-315
			–	–	–	–	–	4g	-63	-213	-63	-378
			4H	200	0	425	0	4h	0	-150	0	-315
			–	–	–	–	–	5g4g	-63	-253	-63	-378
			5G	313	63	593	63	5g6g	-63	-253	-63	-563
			5H	250	0	530	0	5h4h	0	-190	0	-315
			–	–	–	–	–	5h6h	0	-190	0	-500
			–	–	–	–	–	6e	-100	-336	-100	-600
			–	–	–	–	–	6f	-80	-316	-80	-580
			6G	378	63	733	63	6g	-63	-299	-63	-563
			6H	315	0	670	0	6h	0	-236	0	-500
			–	–	–	–	–	7e6e	-100	-400	-100	-600
			7G	463	63	913	63	7g6g	-63	-363	-63	-563
			7H	400	0	850	0	7h6h	0	-300	0	-500
			–	–	–	–	–	8e	-100	-475	-100	-900
			45	90	1,5	8G	563	63	1 123	63	8g	-63
–	–	–				–	–	9e8e	-100	-575	-100	-900
8H	500	0				1 060	0	9g8g	-63	-538	-63	-863
–	–	–				–	–	3h4h	0	-80	0	-150
–	–	–				–	–	4g	-32	-132	-32	-182
4H	132	0				190	0	4h	0	-100	0	-150
–	–	–				–	–	5g4g	-32	-157	-32	-182
5G	202	32				268	32	5g6g	-32	-157	-32	-268
5H	170	0				236	0	5h4h	0	-125	0	-150
–	–	–				–	–	5h6h	0	-125	0	-236
–	–	–				–	–	6e	-67	-227	-67	-303
–	–	–				–	–	6f	-45	-205	-45	-281
6G	244	32				332	32	6g	-32	-192	-32	-268
6H	212	0				300	0	6h	0	-160	0	-236
–	–	–				–	–	7e6e	-67	-267	-67	-303
7G	297	32				407	32	7g6g	-32	-232	-32	-268
7H	265	0	375	0	7h6h	0	-200	0	-236			
–	–	–	–	–	8e	-67	-317	-67	-442			
8G	367	32	507	32	8g	-32	-282	-32	-407			
–	–	–	–	–	9e8e	-67	-382	-67	-442			
8H	335	0	475	0	9g8g	-32	-347	-32	-407			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".



Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread						
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter		
mm	mm			mm	<i>ES</i>	<i>EI</i>	<i>ES</i>		<i>EI</i>	<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
			$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		
45	90	2	-	-	-	-	-	3h4h	0	-90	0	-180	
			-	-	-	-	-	-	4g	-38	-150	-38	-218
			4H	150	0	236	0	4h	0	-112	0	-180	
			-	-	-	-	-	-	5g4g	-38	-178	-38	-218
			5G	228	38	338	38	5g6g	-38	-178	-38	-318	
			5H	190	0	300	0	5h4h	0	-140	0	-180	
			-	-	-	-	-	-	5h6h	0	-140	0	-280
			-	-	-	-	-	-	6e	-71	-251	-71	-351
			-	-	-	-	-	-	6f	-52	-232	-52	-332
			6G	274	38	413	38	6g	-38	-218	-38	-318	
			6H	236	0	375	0	6h	0	-180	0	-280	
			-	-	-	-	-	-	7e6e	-71	-295	-71	-351
			7G	338	38	513	38	7g6g	-38	-262	-38	-318	
			7H	300	0	475	0	7h6h	0	-224	0	-280	
			-	-	-	-	-	-	8e	-71	-351	-71	-521
			45	90	3	-	-	-	-	-	3h4h	0	-106
-	-	-				-	-	-	4g	-48	-180	-48	-284
4H	180	0				315	0	4h	0	-132	0	-236	
-	-	-				-	-	-	5g4g	-48	-218	-48	-284
5G	272	48				448	48	5g6g	-48	-218	-48	-423	
5H	224	0				400	0	5h4h	0	-170	0	-236	
-	-	-				-	-	-	5h6h	0	-170	0	-375
-	-	-				-	-	-	6e	-85	-297	-85	-460
-	-	-				-	-	-	6f	-63	-275	-63	-438
6G	328	48				548	48	6g	-48	-260	-48	-423	
6H	280	0				500	0	6h	0	-212	0	-375	
-	-	-				-	-	-	7e6e	-85	-350	-85	-460
7G	403	48				678	48	7g6g	-48	-313	-48	-423	
7H	355	0				630	0	7h6h	0	-265	0	-375	
-	-	-				-	-	-	8e	-85	-420	-85	-685
8G	498	48				848	48	8g	-48	-383	-48	-648	
-	-	-	-	-	-	9e8e	-85	-510	-85	-685			
8H	450	0	800	0	9g8g	-48	-473	-48	-648				

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".



Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			mm	<i>ES</i>	<i>EI</i>	<i>ES</i>		<i>EI</i>	<i>es</i>	<i>ei</i>	<i>es</i>
			$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
45	90	4	–	–	–	–	–	3h4h	0	-118	0	-300
			–	–	–	–	–	4g	-60	-210	-60	-360
			4H	200	0	375	0	4h	0	-150	0	-300
			–	–	–	–	–	5g4g	-60	-250	-60	-360
			5G	310	60	535	60	5g6g	-60	-250	-60	-535
			5H	250	0	475	0	5h4h	0	-190	0	-300
			–	–	–	–	–	5h6h	0	-190	0	-475
			–	–	–	–	–	6e	-95	-331	-95	-570
			–	–	–	–	–	6f	-75	-311	-75	-550
			6G	375	60	660	60	6g	-60	-296	-60	-535
			6H	315	0	600	0	6h	0	-236	0	-475
			–	–	–	–	–	7e6e	-95	-395	-95	-570
			7G	460	60	810	60	7g6g	-60	-360	-60	-535
			7H	400	0	750	0	7h6h	0	-300	0	-475
			–	–	–	–	–	8e	-95	-470	-95	-845
			45	90	5	8G	560	60	1 010	60	8g	-60
–	–	–				–	–	9e8e	-95	-570	-95	-845
8H	500	0				950	0	9g8g	-60	-535	-60	-810
–	–	–				–	–	3h4h	0	-125	0	-335
–	–	–				–	–	4g	-71	-231	-71	-406
4H	212	0				450	0	4h	0	-160	0	-335
–	–	–				–	–	5g4g	-71	-271	-71	-406
5G	336	71				631	71	5g6g	-71	-271	-71	-601
5H	265	0				560	0	5h4h	0	-200	0	-335
–	–	–				–	–	5h6h	0	-200	0	-530
–	–	–				–	–	6e	-106	-356	-106	-636
–	–	–				–	–	6f	-85	-335	-85	-615
6G	406	71				781	71	6g	-71	-321	-71	-601
6H	335	0				710	0	6h	0	-250	0	-530
–	–	–				–	–	7e6e	-106	-421	-106	-636
7G	496	71				971	71	7g6g	-71	-386	-71	-601
7H	425	0	900	0	7h6h	0	-315	0	-530			
–	–	–	–	–	8e	-106	-506	-106	-956			
8G	601	71	1 191	71	8g	-71	-471	-71	-921			
–	–	–	–	–	9e8e	-106	-606	-106	-956			
8H	530	0	1 120	0	9g8g	-71	-571	-71	-921			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread						
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter		
mm	mm			ES	EI	ES	EI		es	ei	es	ei	
mm	mm	mm	μm	μm	μm	μm	μm	μm	μm	μm	μm	μm	
45	90	5,5	-	-	-	-	-	3h4h	0	-132	0	-355	
			-	-	-	-	-	-	4g	-75	-245	-75	-430
			4H	224	0	475	0	4h	0	-170	0	-355	
			-	-	-	-	-	-	5g4g	-75	-287	-75	-430
			5G	355	75	675	75	5g6g	-75	-287	-75	-635	
			5H	280	0	600	0	5h4h	0	-212	0	-355	
			-	-	-	-	-	-	5h6h	0	-212	0	-560
			-	-	-	-	-	-	6e	-112	-377	-112	-672
			-	-	-	-	-	-	6f	-90	-355	-90	-650
			6G	430	75	825	75	6g	-75	-340	-75	-635	
			6H	355	0	750	0	6h	0	-265	0	-560	
			-	-	-	-	-	-	7e6e	-112	-447	-112	-672
			7G	525	75	1 025	75	7g6g	-75	-410	-75	-635	
			7H	450	0	950	0	7h6h	0	-335	0	-560	
			-	-	-	-	-	-	8e	-112	-537	-112	-1 012
			45	90	6	-	-	-	-	-	3h4h	0	-140
-	-	-				-	-	-	4g	-80	-260	-80	-455
4H	236	0				500	0	4h	0	-180	0	-375	
-	-	-				-	-	-	5g4g	-80	-304	-80	-455
5G	380	80				710	80	5g6g	-80	-304	-80	-680	
5H	300	0				630	0	5h4h	0	-224	0	-375	
-	-	-				-	-	-	5h6h	0	-224	0	-600
-	-	-				-	-	-	6e	-118	-398	-118	-718
-	-	-				-	-	-	6f	-95	-375	-95	-695
6G	455	80				880	80	6g	-80	-360	-80	-680	
6H	375	0				800	0	6h	0	-280	0	-600	
-	-	-				-	-	-	7e6e	-118	-473	-118	-718
7G	555	80				1 080	80	7g6g	-80	-435	-80	-680	
7H	475	0				1 000	0	7h6h	0	-355	0	-600	
-	-	-				-	-	-	8e	-118	-568	-118	-1 068
8G	680	80				1 330	80	8g	-80	-530	-80	-1 030	
-	-	-	-	-	-	9e8e	-118	-678	-118	-1 068			
8H	600	0	1 250	0	9g8g	-80	-640	-80	-1 030				

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
90	180	2	–	–	–	–	3h4h	0	-95	0	-180	
			–	–	–	–	4g	-38	-156	-38	-218	
			4H	160	0	236	0	4h	0	-118	0	-180
			–	–	–	–	5g4g	-38	-188	-38	-218	
			5G	238	38	338	38	5g6g	-38	-188	-38	-318
			5H	200	0	300	0	5h4h	0	-150	0	-180
			–	–	–	–	5h6h	0	-150	0	-280	
			–	–	–	–	6e	-71	-261	-71	-351	
			–	–	–	–	6f	-52	-242	-52	-332	
			6G	288	38	413	38	6g	-38	-228	-38	-318
			6H	250	0	375	0	6h	0	-190	0	-280
			–	–	–	–	7e6e	-71	-307	-71	-351	
			7G	353	38	513	38	7g6g	-38	-274	-38	-318
			7H	315	0	475	0	7h6h	0	-236	0	-280
			–	–	–	–	8e	-71	-371	-71	-521	
			8G	438	38	638	38	8g	-38	-338	-38	-488
–	–	–	–	9e8e	-71	-446	-71	-521				
8H	400	0	600	0	9g8g	-38	-413	-38	-488			
90	180	3	–	–	–	–	3h4h	0	-112	0	-236	
			–	–	–	–	4g	-48	-188	-48	-284	
			4H	190	0	315	0	4h	0	-140	0	-236
			–	–	–	–	5g4g	-48	-228	-48	-284	
			5G	284	48	448	48	5g6g	-48	-228	-48	-423
			5H	236	0	400	0	5h4h	0	-180	0	-236
			–	–	–	–	5h6h	0	-180	0	-375	
			–	–	–	–	6e	-85	-309	-85	-460	
			–	–	–	–	6f	-63	-287	-63	-438	
			6G	348	48	548	48	6g	-48	-272	-48	-423
			6H	300	0	500	0	6h	0	-224	0	-375
			–	–	–	–	7e6e	-85	-365	-85	-460	
			7G	423	48	678	48	7g6g	-48	-328	-48	-423
			7H	375	0	630	0	7h6h	0	-280	0	-375
			–	–	–	–	8e	-85	-440	-85	-685	
			8G	523	48	848	48	8g	-48	-403	-48	-648
–	–	–	–	9e8e	-85	-535	-85	-685				
8H	475	0	800	0	9g8g	-48	-498	-48	-648			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread						
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter		
mm	mm			mm	<i>ES</i>	<i>EI</i>	<i>ES</i>		<i>EI</i>	<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
			$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		
90	180	4	-	-	-	-	-	3h4h	0	-125	0	-300	
			-	-	-	-	-	-	4g	-60	-220	-60	-360
			4H	212	0	375	0	4h	0	-160	0	-300	
			-	-	-	-	-	-	5g4g	-60	-260	-60	-360
			5G	325	60	535	60	5g6g	-60	-260	-60	-535	
			5H	265	0	475	0	5h4h	0	-200	0	-300	
			-	-	-	-	-	-	5h6h	0	-200	0	-475
			-	-	-	-	-	-	6e	-95	-345	-95	-570
			-	-	-	-	-	-	6f	-75	-325	-75	-550
			6G	395	60	660	60	6g	-60	-310	-60	-535	
			6H	335	0	600	0	6h	0	-250	0	-475	
			-	-	-	-	-	-	7e6e	-95	-410	-95	-570
			7G	485	60	810	60	7g6g	-60	-375	-60	-535	
			7H	425	0	750	0	7h6h	0	-315	0	-475	
			-	-	-	-	-	-	8e	-95	-495	-95	-845
			90	180	6	-	-	-	-	-	3h4h	0	-150
-	-	-				-	-	-	4g	-80	-270	-80	-455
4H	250	0				500	0	4h	0	-190	0	-375	
-	-	-				-	-	-	5g4g	-80	-316	-80	-455
5G	395	80				710	80	5g6g	-80	-316	-80	-680	
5H	315	0				630	0	5h4h	0	-236	0	-375	
-	-	-				-	-	-	5h6h	0	-236	0	-600
-	-	-				-	-	-	6e	-118	-418	-118	-718
-	-	-				-	-	-	6f	-95	-395	-95	-695
6G	480	80				880	80	6g	-80	-380	-80	-680	
6H	400	0				800	0	6h	0	-300	0	-600	
-	-	-				-	-	-	7e6e	-118	-493	-118	-718
7G	580	80				1 080	80	7g6g	-80	-455	-80	-680	
7H	500	0				1 000	0	7h6h	0	-375	0	-600	
-	-	-				-	-	-	8e	-118	-593	-118	-1 068
8G	710	80				1 330	80	8g	-80	-555	-80	-1 030	
-	-	-	-	-	-	9e8e	-118	-718	-118	-1 068			
8H	630	0	1 250	0	9g8g	-80	-680	-80	-1 030				

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
90	180	8	–	–	–	–	3h4h	0	-170	0	-450	
			–	–	–	–	4g	-100	-312	-100	-550	
			4H	280	0	630	0	4h	0	-212	0	-450
			–	–	–	–	5g4g	-100	-365	-100	-550	
			5G	455	100	900	100	5g6g	-100	-365	-100	-810
			5H	355	0	800	0	5h4h	0	-265	0	-450
			–	–	–	–	5h6h	0	-265	0	-710	
			–	–	–	–	6e	-140	-475	-140	-850	
			–	–	–	–	6f	-118	-453	-118	-828	
			6G	550	100	1 100	100	6g	-100	-435	-100	-810
			6H	450	0	1 000	0	6h	0	-335	0	-710
			–	–	–	–	7e6e	-140	-565	-140	-850	
			7G	660	100	1 350	100	7g6g	-100	-525	-100	-810
			7H	560	0	1 250	0	7h6h	0	-425	0	-710
			–	–	–	–	8e	-140	-670	-140	-1 320	
			180	355	3	–	–	–	–	3h4h	0	-125
–	–	–				–	4g	-48	-208	-48	-284	
4H	212	0				315	0	4h	0	-160	0	-236
–	–	–				–	5g4g	-48	-248	-48	-284	
5G	313	48				448	48	5g6g	-48	-248	-48	-423
5H	265	0				400	0	5h4h	0	-200	0	-236
–	–	–				–	5h6h	0	-200	0	-375	
–	–	–				–	6e	-85	-335	-85	-460	
–	–	–				–	6f	-63	-313	-63	-438	
6G	383	48				548	48	6g	-48	-298	-48	-423
6H	335	0				500	0	6h	0	-250	0	-375
–	–	–				–	7e6e	-85	-400	-85	-460	
7G	473	48				678	48	7g6g	-48	-363	-48	-423
7H	425	0				630	0	7h6h	0	-315	0	-375
–	–	–				–	8e	-85	-485	-85	-685	
8G	578	48				848	48	8g	-48	-448	-48	-648
–	–	–	–	9e8e	-85	-585	-85	-685				
8H	530	0	800	0	9g8g	-48	-548	-48	-648			

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".

Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread						
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter		
mm	mm			mm	<i>ES</i>	<i>EI</i>	<i>ES</i>		<i>EI</i>	<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
			$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		
180	355	4	-	-	-	-	-	3h4h	0	-140	0	-300	
			-	-	-	-	-	-	4g	-60	-240	-60	-360
			4H	236	0	375	0	4h	0	-180	0	-300	
			-	-	-	-	-	-	5g4g	-60	-284	-60	-360
			5G	360	60	535	60	5g6g	-60	-284	-60	-535	
			5H	300	0	475	0	5h4h	0	-224	0	-300	
			-	-	-	-	-	-	5h6h	0	-224	0	-475
			-	-	-	-	-	-	6e	-95	-375	-95	-570
			-	-	-	-	-	-	6f	-75	-355	-75	-550
			6G	435	60	660	60	6g	-60	-340	-60	-535	
			6H	375	0	600	0	6h	0	-280	0	-475	
			-	-	-	-	-	-	7e6e	-95	-450	-95	-570
			7G	535	60	810	60	7g6g	-60	-415	-60	-535	
			7H	475	0	750	0	7h6h	0	-355	0	-475	
			-	-	-	-	-	-	8e	-95	-545	-95	-845
			180	355	6	-	-	-	-	-	3h4h	0	-160
-	-	-				-	-	-	4g	-80	-280	-80	-455
4H	265	0				500	0	4h	0	-200	0	-375	
-	-	-				-	-	-	5g4g	-80	-330	-80	-455
5G	415	80				710	80	5g6g	-80	-330	-80	-680	
5H	335	0				630	0	5h4h	0	-250	0	-375	
-	-	-				-	-	-	5h6h	0	-250	0	-600
-	-	-				-	-	-	6e	-118	-433	-118	-718
-	-	-				-	-	-	6f	-95	-410	-95	-695
6G	505	80				880	80	6g	-80	-395	-80	-680	
6H	425	0				800	0	6h	0	-315	0	-600	
-	-	-				-	-	-	7e6e	-118	-518	-118	-718
7G	610	80				1 080	80	7g6g	-80	-480	-80	-680	
7H	530	0				1 000	0	7h6h	0	-400	0	-600	
-	-	-				-	-	-	8e	-118	-618	-118	-1 068
8G	750	80				1 330	80	8g	-80	-580	-80	-1 030	
-	-	-	-	-	-	9e8e	-118	-748	-118	-1 068			
8H	670	0	1 250	0	9g8g	-80	-710	-80	-1 030				

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".



Table 1 (continued)

Basic major diameter		Pitch	Internal thread				External thread					
over	up to		Tolerance class	Pitch diameter		Minor diameter		Tolerance class	Pitch diameter		Major diameter	
mm	mm			<i>ES</i>	<i>EI</i>	<i>ES</i>	<i>EI</i>		<i>es</i>	<i>ei</i>	<i>es</i>	<i>ei</i>
		mm	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$		$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	$\mu\text{m}$	
180	355	8	–	–	–	–	3h4h	0	-180	0	-450	
			–	–	–	–	4g	-100	-324	-100	-550	
			4H	300	0	630	0	4h	0	-224	0	-450
			–	–	–	–	5g4g	-100	-380	-100	-550	
			5G	475	100	900	100	5g6g	-100	-380	-100	-810
			5H	375	0	800	0	5h4h	0	-280	0	-450
			–	–	–	–	5h6h	0	-280	0	-710	
			–	–	–	–	6e	-140	-495	-140	-850	
			–	–	–	–	6f	-118	-473	-118	-828	
			6G	575	100	1 100	100	6g	-100	-455	-100	-810
			6H	475	0	1 000	0	6h	0	-355	0	-710
			–	–	–	–	7e6e	-140	-590	-140	-850	
			7G	700	100	1 350	100	7g6g	-100	-550	-100	-810
			7H	600	0	1 250	0	7h6h	0	-450	0	-710
			–	–	–	–	8e	-140	-700	-140	-1 320	
			8G	850	100	1 700	100	8g	-100	-660	-100	-1 280
			–	–	–	–	9e8e	-140	-850	-140	-1 320	
			8H	750	0	1 600	0	9g8g	-100	-810	-100	-1 280

NOTE "ES" and "es" are the symbols of "upper deviation"; "EI" and "ei" are the symbols of "lower deviation".



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