මෙය රාජා භාෂාවෙන් වෙනම මුදුණය කර ඇත.

ශී ලංකා පුමිති 268:1974 SRI LANKA STANDARD 268:1974 විශ්ව දශම වර්ග කිරීම UDC 621.882:082

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SPECIFICATION FOR ISO METRIC SCREW THREADS

PART V – TOLERANCES

ලංකා පුමිති කාර්්යාංශය BUREAU OF CEYLON STANDARDS

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SPECIFICATION FOR ISO METRIC SCREW THREADS

PART V - TOLERANCES

S. L. S. 268 : 1974

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Sri Lanka Standards are subject to periodical revision in order to accommodate the progress made by industry. Suggestions for improvement will be recorded and brought to the notice of the Committees to which the revisions are entrusted.

This Standard does not purport to include all the necessary provisions of a contract.

BUREAU OF CEYLON STANDARDS 53, DHARMAPALA MAWATHA COLOMBO-3.

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SRI LANKA STANDARD SPECIFICATION FOR ISO METRIC SCREW THREADS

Part V: Tolerances

FOREWORD

This Sri Lanka Standard Specification was prepared by the Drafting Committee on Metric Screw Threads. It was approved by the Mechanical Engineering Divisional Committee of the Bureau of Ceylon Standards and was authorised for adoption and publication by the council of the Bureau on 21st May, 1974.

Although this standard is not a revision of the C.S. 96 "Specification for Dimensions of Parallel Coarse Screw Thread of Whitworth form", this standard will replace it in due course.

This Standard is being issued in different parts as under:

- Part I: Basic and Design Profiles
- Part II: Pitch/Diameter Combinations
- Part III: Basic Dimensions
- Part IV: Tolerancing System
- Part V: Tolerances
- Part VI: Limits of Sizes for Commercial Bolts and Nuts

This standard (Part V) is based on ISO/R 965/III "ISO General Purpose Metric Screw Threads Tolerances, Deviations for Constructional Threads" issued by the International Standards Organisation.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value observed or calculated, expressing the result of a test shall be rounded off in accordance with C.S. 102. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

This standard (Part V) tabulates tolerances for ISO Metric Screw Threads for the tolerance classes covered in Part IV of the standard in the diameter range 1 to 300 mm. The tolerances have been arrived at based on the tolerancing system specified in Part IV of this standard.

2. DESIGNATIONS

2.1 Tolerances — Tolerances, according to this standard, shall be designated by the size and the relevant tolerance class as given under the heading 'Tolerance Class' in Table 1.

Examples: Nut Thread M6-6H Bolt Thread M6-5g6g

2.2 Class of Fit — A fit between threaded parts shall be indicated by the nut thread tolerance class followed by the bolt thread tolerance class separated by a stroke.

Example: M6 — 6H/5g6g

3. TOLERANCES

3.1 The location of the tolerance elements for bolt and nut threads shall be as given in Fig 1. The values of deviations for the tolerance classes for nut and bolt threads are given in Table 1.

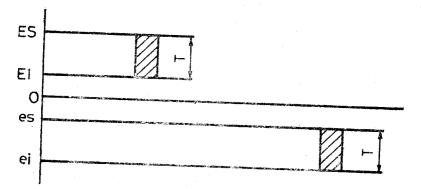


Fig. 1-Location of Tolerance Elements

- **3.2** For coated threads the tolerances apply to the parts before coating unless otherwise stated. After coating the actual thread profile should not in any point transgress the maximum material limits for position H or h respectively.
- **3.3** The values for the minor diameter of the bolt thread given in Table 1 are calculated on the basis of an H/6 truncation and are to be used for stress calculations etc.

ES, es=upper deviation EI, ei=lower deviation

TABLE 1 – DEVIATIONS

Basic major diameter	major Ster			Nut	Nut thread					B	Bolt thread	ad	
OVer	up to	Pitch		Pitch Dia	Dia	Mino	Minor Dia		Major	r Dia	Pitch	Pitch Dia	Minor Dia
CVCI.	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations. etc.)
mm	шш	uu	CCUI	um	Ш	un)	und	CIASS	ШY.	uan)	l un	(m)	turn'
66.0	1.4	0.2	1	1	1	1		3h4h	0	-36	•	-24	29
			4H	+40	0	+38	0	4h	0	-36	0	-30	
			5G					5g6g	-17	-73	-17	-55	-46
		. 4.5 144	SH	I	1			5h4h	0	-36	0	-38	29
			1					5h6h	0	-56	0	-38	-29
			1	I			1	6e	 	1	1		
	-		6G	1				68	-17	-73	-17	-65	-46
			H9	1				6h	0	-56	0	48	-29
			1	1	1			Tebe				1	
-		-	7G	1	1	1		7g6g			1		1
			ΗL	1	1	1	1	7h6h	1		1		
			8G			1	1	8g	1	1	1		
			8H	1	1		1	988g		1	1	1	
		0.25		1				3h4h	0	42	0	-26	-36

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Basic majo diameter	Basic major diameter			Nut	Nut thread					Bo	Bolt thread	g	
	up to	Pitch		Pitch Dia	Dia	Minor Dia	r Dia		Major Dia	Dia	Pitch Dia	Dia	Minor Dia
over	and incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(Ior stress calcu- lations. etc.)
mm	mm	uu	CIASS	m	hm	m	un)		цц	цц Ш	un,	μ	und
66.0	1.4	0.25	4H	+45	0	+45	I	4h	0	-42	0	-34	-36
			5G	+74	+18	+74	+18	5868	-18	-85	-18	-60	-54
			SH	+56	0	+56	0	5h4h	0	42	0	42	-36
					1		0	5h6h	0	-67	0	42	-36
					1	1		6e	1	I	1	1	l
			90	1				6g	-18	-85	-18	11-	-54
			H9	1	1	1		6h	0	-67	0	-53	-36
								7e6e			1	1	
_			7G		1			7g6g			1		1
			ΗL					7h6h	1	1	1	1	
			8G	 		1		88]	1,	ł	1	J
			H8				1	9g8g	1	1	1	1	
		0.3	1			i		3h4h	0	48	0	-28	-43
			4H	+48	0	+53	0	4h	0	-48	0	-36	-43
			5			2			-			5	£1

ES, es=upper deviation EL ei=lower deviation

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Basic maj	Basic major diameter			Nut	Nut thread					B	Bolt thread		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		up to	Pitch		Pitch	Dia	Mino	r Dia		Major	Dia	Pitch	Dia	Minor Dia
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	OVEL	and incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(Ior stress calcu- lations, etc.)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	mm	un	mm		цт	μm	hm	шŋ		un	μŋ	цш	urd	ш'n
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	66.0	1.4	0.3	SH	+60	0	+67	0	5h4h	0	-48	0	-45	-43
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				1			1		5h6h	0	-75	•	-45	-43
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						1		1	6e	1	!	1	1	1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				6G	+93	+18	+103	1	6g	-18	-93	-18	-74	-61
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				H9	+75	0	+85	0	6h	0	-75	0	-56	-43
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					1	1	1		Te6e		1	1	1	1
$\begin{array}{ cccccccccccccccccccccccccccccccccccc$				7G		1.	1		7g6g	1	1	1		
$\begin{array}{ cccccccccccccccccccccccccccccccccccc$				ΗL		1	1		7h6h	1	1	I	1	T
8H 988 2.8 0.2 3h4h 0 -35 0 4H +42 0 +38 0 4h 0 -33 0 5G 566 -17 -73 0 5H 566 -17 -73 0 5H 566 0 -36 0				8G	1		1	1	8g	1	1	I	1	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				8H	I	1	1		9g8g		1	1		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	1.4	2.8	0.2	1			1	1	3h4h	0	-35	0	-25	-29
5g6g -17 -73 -17 5h4h 0 -36 0 5h4h 0 -36 0				4H	+42	0	+38	0	4h	0	-33	0	-32	-29
5h4h 0 -36 0				5G				1	5g6g	-17	-73	-17	-57	-46
5h6h 0 -56 0				SH		1		1	5h4h	0	-36	0	-40	-29
				1					5h6h	0	-56	0	-40	-29

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Bacio												El, e	El, ei=lower deviation
diar	diameter			nN	Nut thread	_				Å	Bolt thread	bad	
over	up to and	Pitch		Pitcl	Pitch Dia	Mino	Minor Dia		Majo	Major Dia	Pitch	Pitch Dia	Minor Dia
	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	. ei	30	;	(for stress calcu-
uu	шш	mm	CIASS	mr.	dun 1	un,	щ'n	class				3	lations, etc.)
,												IIII	hum
I.4	5.8	0.2		1	1	1	1	6e	I	1	l	1	
-			6G	1	.1	1	1	68	-17	-73	-17	-67	-45
			H9	1	1	1	1	6h	0	-56	0	-50	-29
	*	!	1	I	1	I	1	7e6e			1		
			7G				1	7g6g	1	1	1	1	
			TH TH	1		1		7h6h	1		1		
		<u> </u>	8G			1	1	88					1
		!	8H					9282					1
		20.0											
					1		1	3h4h	0	42	0	-28	-33
		1		+48	0	+45	0	4h	0	42	0	-35	-33
			\$G	+78	+18	+74	+18	5g6g	-18	-85	-18	-63	-54
			5H	+60	0	+56	0	5h4h	0	-42	0	-45	-33
			1	1	1	1.		5h6h	0	-67	0	-45	-33
			1	1	1			6e					
						1		68	-18	-63	18	12	
(Continued)	_))		3		+ +	

r deviati	r devinti
es=upper	ei=lower deviati
ES,	EI.

ŕ	•		-									E1, E1	er = lower deviation
basic dian	basic major diameter			Nu	Nut thread	T		-			Bolt thread	1	
over	up to and	Pitch		Pitcl	Pitch Dia	Min	Minor Dia		Maio	Maior Dia	Dife	Pitch Dia	Minor Dia
	incl.		Tolerance	ES	EI	ES	EI	Tolerance	62	ei	50	oi li	(for stress calcu-
mm	шш	шш		HIN)	un:	HT.	E H	class	mm	; s			
1.4	2.8	0.25	H9	1				6h	- -	-67		95-	22
	-		1		1			Tebe	1			3 1	
·	/		7G	1				7g6g		1			
		<u></u>	ΗL					7h6h			1		
		<u> </u>	8G	1				88				1	
			8H				1	9g8g	1	1	1		
		0.35			1	1		3h4h	0	-53	0	-32	-51
		L	4H	+53	0	+63	0	4h	0	-53	0	40	-5
	a haran addam ya a y		5G	+86	+19	+99	+19	Sg6g	-19	-104	-19	69-	-20
	With the Party of Angele	<u>. </u>	5H	+ 67	0	+80	0	5h4h	0	-53	0	-50	-51
				1	1			5h6h	60	-85	0	-50	-51
			1	1	1	1		6e	1				
		1	6G	+104	+19	+119	+19	68	-19	-104	-19	-62	-70
		1	H9	+85	0	+100	0	6h	0	-85	0	-63	-51
			1	1									

i												EI, ei-	EI, ei-lower deviation
Basic dian	Basic major diameter			Nut	Nut thread					Bol	Bolt thread	þ	- · ·
0.00 T	up to	Pitch		Pitch Dia	Dia	Minor Dia	r Dia		Major Dia	Dia	Pitch Dia	Dia	Minor Dia
0.061	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(Ior stress calcu- lations. etc.)
mm	mm	um	1433	hm	mr	щ,	hm.		щ ₂	ШŊ.	ци	hm	mn
1.4	2.8	0.35	7G	1	I	I	1	7g6g	-19	-104	-19	66-	-70
			HL	1		1	1	7h6h	0	-85	0	-80	-51
			8G		1	1		88		1	1	I	l
			8H		1			9g8g			1	1	
		0.4	1		 			3h4h	0	-60	0	-34	-58
			4H	+56	0	+71	0	4h	0	-60	0	42	-58
	1- yi karman mayan		5G	+90	+19	+109	+19	5g6g	-19	-114	-19	-72	-77
			SH	+71	0	+ 90	0	5h4h	0	-60	0	-53	-58
				1	1		I	5h6h	0	-95	0	-53	-58
			l	ł	1	1	I	6e	1	I	1]	-
			6G	+109	+19	+131	+19	6g	-19	-114	-19	-86	-77
			H9	+90	0	+112	0	6h	0	-95	0	-67	-58
				1	1	1.		Te6e	ļ	1	1	I	ļ
	.,		7G	I		l	1	7g 6g	-19	-114	-19	-104	-77
			TH	I		1	1	7h 6h	0	-95	0	-85	-58

(Continued)

ES. es=upper deviation EI. ei=lower deviation

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ES, es = upper deviationEI, ei = lower deviation

Basic	Basic major			Nut	Nut thread					Bolt thread	hread		
		· Pitch		Pitch Dia	Dia	Minor Dia	Dia		Major Dia	· Dia	Pitch Dia		Minor Dia
over	and			54	FI	ES	EI	Tolerance	es	ei	es	ei	lations, etc.)
	incl.		Tolerance	C1	:			class	l a		- - 	m	un
a a	ШШ	mm	2000	ET.	<u>n</u>	IJ.	H.					Ì	
	3 6	0.4	8G	1	1	l	l	88	1		1		
4. 7	0	5	ВН		1			9g8g	l	l	1	1	1
			110				1		0	-63	0	-35	-65
		0.45				8	c	4h	0	-63	0	-45	-65
			4H	00+		120	+ 20	5262	-20	-120	-20	-75	-85
			5G	CK+	3 4			5h.dh	0	-63	0	-56	-65
		•••••••••	5H	+75	0	31+	2	11-110	,				2
	-				1		1	5h6h	0	-100	0	-56	6
						1	1	6e	1	1	1	1	1
				±115	+20	+145	+20	6g	-20	-120	-20	-91	-85
						101	-	6	0	-100	0	-71	-65
			6H	c4+	>	<u>,</u>							
			1		l		1	7e6e	1				
	m		16	1		1	1	7g6g	-20	-120	-20	-110	C8-
			HL HL	1	1		1	7h6h	0	-100	0	6-	-85
			ŝĜ	1	1	1	1	88		1	1	1	1
			8H	1	1		1	9g8g	1	1	1		1

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Dasic major diameter over up to incl. mm mm mm	-								Į		TT I CHAINER CANALINE
		Nut	Nut thread					Bo	Bolt thread	p	
			Pitch Dia	Mino	Minor Dia		Majo	Major Dia	Pitch Dia	t Dia	Minor Dia
	Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations. etc.
		Шŋ	шŋ	E.	un)	CIASS	m	hun	un)	un,	und
5.6 0.35	1	1	1	1		3h4h	•	-53	•	-34	-51
	4H	+56	0	+63	0	4h	0	-53	0	4	-51
	SG	-90	+19	+99	+19	5868	-19	-104	-19	-72	-71
	SH	+71	0	+80	0	5h4h	0	-53	0	-53	-51
1.00	1	1	1	1		5h6h	0	-85	0	-53	-51
	J	ļ	1	J		6e		 			
	6G	+109	+19	+119	+19	69	-19	-104	-19	-86	-10
	H9	06+	0	+100	0	6h	0	-85	0	-67	-51
	!	1	1	1		7e6e				1	
	7G	I	1			7262	-19	-104	-19	-104	70
Paint age	HL		1	1	1	7h6h	0	-85	0	-85	-51
	SG.	1				88				1	
	8H					9g8g					
0.5	1	1		I		3h4h	0	-67	0	-38	-72
	J 4H	+63	0	- 06	0	4h	0	-67	0	48	<i>c1</i>

ES, es=upper deviation

-	diameter			Nut	Nut thread					ğ	Bolt thread	ad	
nveř	up to	Pitch		Pitch Dia	Dia	Mino	Minor Dia		Majo	Major Dia	Pitcl	Pitch Dia	Minor Dia
	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations, etc.)
шш	шш	mm	2010	hm	шŋ	urr	um	CIASS	шŋ	шŋ	шŋ	μm	1 - 1
2.8	5.6	0.5	ŞG	+100	+20	+132	+20	5868	-20	-126	-20	-80	-92
			SH	+80	0	+112	0	5h4h	0	-67	0	-60	-72
			1	1	1	I	1	5h6h	0	-105	0	-60	-72
].	1	l	1	1	6e	-50	-156	-50	-125	-122
			6G	+120	+20	+160	+20	68	-20	-126	-20	-95	-92
			H9	+100	0	+140	0	6h	0	-105	0	-75	-72
			1	1	1	I	1	7e6e	-50	-156	-50	-145	-122
	****		7G	+145	+20	+200	+20	7g 6g	-20	-126	-20	-115	-92
			HL	+125	0	+180	0	7h6h	0	-106	0	-95	-72
		<u></u>	8G	1	1	1	1	58 88	1		 		
			8H	1	1	İ		9 <u>8</u> 8g	1	1	1		
		0.6	1	l	I	1	1	3h4h	0	-80	0	-42	-87
			4H	+71	0	+100	0	4h	0	-80	0	-53	-87
			5G	+111	+21	+146	+21	5g6g	-21	-146	-21	-86	-108
			SН	+90	0	+125	0	5h4h	0	-80	0	-67	-87

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						×						ES, e EI, e	ES, es=upper deviation EI, ei=lower deviation
Basic	Basic major diameter			Nut	Nut thread						Bolt thread		•
ovêr	up to	Pitch		Pitcl	Pitch Dia	Minc	Minor Dia		Pitcl	Pitch Dia	Majo	Major Dia	Minor Dia
	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations. etc.)
ШШ Ш	mm	mm		шŋ	цц	цц	ur,	01435	цт	цп	шn	un	n,m
2.8	5.6	0.6	1		1		1	5h6h	•	-125	•	-67	-87
			1	1	1	.1	1	6e	-53	-178	-53	-138	-140
			6G	+133	+21	+181	+21	6g	-21	-146	-21	-106	-108
			H9	+112	0	+160	0	6h	0	-125	0	-85	-87
		<u>`</u>			1	1		7e6e	-53	-178	-53	-159	-140
		<u>k</u>	7G	+161	+21	+221	+21	7g 6g	-21	-146	-21	-127	-108
•		!	- HL	+140	0	+200	0	7h6h	0	-125	0	-103	
			8G	1	1			88	1	1	1		
			H8	1	1	1	1	9g8g		1	1	1	1
	Yenni (pr. 1.47), a	0.7	1	1	1	1	1	3h4h	0	-90	0	45	-101
~~~		!	4H	+75	0	+112	0	4h	0	-90	0	-56	-101
	9 *****************	1	5G	+117	+22 -	+162	+22	5g6g	-22	-162	-22	-93	-123
		1	SH	+95	0	+140	0	5h4h	0	-06	0	-11-	-101
				1			J	5h6h	0	-140	0	-71	-101
Continued								6e	-56	-196	-56	-145	-157
(namining)													

ES, es = upper deviationEI, ei = lower deviation

Basic dian	Basic major diameter			Nut	Nut thread					B	Bolt thread	Ţ	
	up to	Pitch		Pitch	Pitch Dia	Mino	Minor Dia		Majo	Major Dia	Pitch	Pitch Dia	Minor Dia
OVEL	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	lations, etc.)
mm	uu	mm	2000	цт	mŋ	mŋ	шŋ	200	цт	цп	шŋ	hm L	μm
2.8	5.6	0.7	6G	+140	+22	+202	+22	6g	-22	-162	-22	-112	-123
				+118	0	+180	0	6h	0	-140	0	06-	-101
				1		1		7e6e	-55	-193	-56	-188	-157
			7G	+172	+22	+246	+22	7g 6g	-22	-162	-22	-134	-123
			TH	+150	0	+224	0	7h6h	0	-140	0	-112	-101
			8G				I	88 88	1		1		
			8H	1		1	1	9g8g	1	1	1	1	I
		0.75	1	I			1	3h4h	0	06-	0	45	-108
			4H	+75	0	+118	1	4h	0	-96	0	-56	-108
			5G	+117	+22	+172	+22	5868	-22	-162	-22	-93	-130
			<u>5H</u>	+95	0	+150	0	5h4h	0	06-	0	-71	-108
				1	1			5h6h	0	-140	0	-71	-108
Par 4			1	1	1	1	1	6e	-56	-196	-56	-143	-164
			6G	+140	+22	+212	+22	68	-22	-162	-22	-112	-130
		-	6H	+118	0	+ 190	0	6h	0	-140	0	-90	-108
(Continued)	()					1							

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ES, es = upper deviationEI, ei = lower deviation

up to incl.         Pitch Dia mm         Minor Dia mm         Minor Dia mm         Minor Dia mm         Major Dia mm         Pitch Dia mm         Minor Dia mm         Pitch Dia mm         Minor Dia mm         Pitch Dia mm           5.6         0.75          -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	Basic diam	major 1eter			Nut	thread		÷			Bol	lt threa	q	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	over	up to and	Pitch		Pitcł	1 Dia	Mino	r Dia		Majo	r Dia	Pitch	1 Dia	Minor Dia
$\begin{array}{                                    $		incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations, etc.)
5.6 $0.75$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ <	шш	ШШ	шш	2247	цп	шŋ	um	un,	CIASS	hm l	l mn	ш'n	E	mn
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	2.8	5.6	0.75	1	1	1		1	7e6e	-56	-196	-56	-168	-164
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				7G	+172	+22	+258	+22	7g 6g	-22	-162	-22	-134	-130
8G         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -				ΗL	+150	0	+235	0	7h6h	0	-140	0	-112	-108
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				8G	1	1	1	I	88		1	1		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				8H		1		1	9282	1	I.	1		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			0.8	1	1	ļ	I	1	3h4h	0	-95	0	48	-116
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				4H	+80		+125	0	4h	0	-95	0	-60	-116
5H $+100$ $0$ $+160$ $0$ $5h4h$ $0$ $-95$ $0$ $-75$ $$ $$ $$ $$ $$ $-1$ $5h6h$ $0$ $-150$ $0$ $-75$ $$ $$ $$ $$ $$ $$ $-66$ $-60$ $-210$ $-60$ $-175$ $6G$ $+149$ $+24$ $+24$ $+24$ $6g$ $-24$ $-174$ $-24$ $-119$ $6H$ $+125$ $0$ $+200$ $0$ $6h$ $0$ $-174$ $-24$ $-119$ $7G$ $+184$ $+24$ $+24$ $76g$ $-24$ $-174$ $-24$ $-176$ $7G$ $+184$ $+24$ $+24$ $76g$ $-24$ $-174$ $-24$ $-142$					+124		+184	+24	5868	-24	-174	-24	66-	-140
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	· · ·			5H	+100	Ĭ	+160	0	5h4h	0	-95	0	-75	-116
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			<u> </u>	1	1	1	1	I	5h6h	0	-150	0	-75	-116
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						.	1	1	6e	-60	-210	-90	-155	-176
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$						1	+224	+24	6g	-24	-174	-24	-119	-140
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$					+125		+200	0	6h	0	-150	0	-95	-116
7G +184 +24 +274 +24 7g6g -24 -174 -24 -142		· .				1	1	1	7c6e	-60	-210	-60	-178	-176
						~~~	+274	+24	7g6g	-24	-174	-24	-142	-140

ES, es = upper deviationEI, ei = lower deviation

Basic major diameter	najor ster			Nut	Nut thread					ă	Bolt thread	Ę	`
	up to	Pitch		Pitch Dia	Dia	Minor Dia	Dia		Major Dia	· Dia	Pitch Dia	Dia	Minor Dia
over	and incl.	-	Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	lations, etc.)
um	um	uu	CIASS	ແກ	ш'n	แท	шŋ		шŋ	m	ш'n	un,	my
2.8	5.6	0.8	TH	+160	0	+250	0	7h6h	0	-150	0	-118	-116
······································			8G	+224	+24	+339	+24	8g	-24	-260	-24	-174	-140
			8H	+200	0	+315	0	9g8g	-24	-260	-24	-214	-140
5.6	11.2	0.75				1	1	3h4h	0	06-	0	-50	-103
			4H	+ 85	0	+118	0	4h	0	06-	0	-63	-103
			5G	+128	+22	+172	+22	5g6g	-22	-162	-22	-102	-130
			SH	+106	0	+150	0	5h4h	0	06-	0	-80	-103
			1		1	1		5h6h	0	-140	0	-80	-103
,		-	1	1				6e	-56	-196	-56	-156	-164
			6G	+154	+22	+212	+22	. 6g	-22	-162	-22	-122	-130
			H9	+132	0	+190	0	6h	0	-140	0	-100	-108
				1			1	Te6e	-56	-193	-56	-181	-164
			7G	+ 192	+22	+258	+22	7g6g	-22	-162	-22	-147	-130
			ΗL	+170	0	+236	0	7h6h	0	-140	0	-125	-108
			8G	1	1			8g	1	1	1	1	1

Basic major	najor tor			Nut	Nut thread						Bolt 1	Bolt thread	read
		Pitch											
over	and			Pitch	Pitch Dia	Ming	Minor Dia		Majo	Major Dia	Pitc	Pitch Dia	Minor Dia
	incl.		Tolerance class	ES	EI	ES	EI	Tolerance	es	ei	es	ei	lations, etc.)
un n	шш	mm		шŋ	ш'n	шŋ	ш'n		un;	шŋ	m.u	ш'n	шrð
5.6	11.2	0.75	H8		1		1	928g	ŀ	1	1	1	1
		1			ļ	1		3h4h	0	-112	0	-56	-144
			4H	+ 95	0	+150	0	4h	0	-112	0	-71	-144
			5G	+144	+26	+216	+26	5262	-26	-206	-26	-116	-170
			SH	+118	0	+190	0	5h4h	0	-112	0	06-	-144
da <i>d</i> anan			l	1	1	1		5h6h	0	-180	0	06-	-144
			1	I	1	I		6e	-60	-240	-60	-172	-204
			6G	+176	+26	+262	+26	62	-26	-206	-26	-138	-170
			H9	+150	0	+236	0	6h	0	-180	0	-112	-144
			1	I.	1	1	1	7e6e	-60	-240	-60	-200	-204
,			7G	+216	+26	+326	+26	7e6g	-26	-206	-26	-166	-170
	-	!	H7	+190	0	+300	0	7h6h	0	-180	0	-140	-144
			8G	+262	+26	+401	+26	8g	-26	-306	-26	-206	-170
			8H	+236	0	+375	0	9282	-26	-306	-26	-250	-170
		1.25]	1]			3444	6	123	6	9	100

ES, es=upper deviation EI, ei=lower deviation

	Basic dian	Basic major diameter			Nut	Nut thread					ğ	Bolt thread	ad	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		up to	Pitch		Pitch	Dia	Mino	r Dia		Pitch	Dia	Majo	r Dia	Minor Dia
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	over	and incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	lations, etc.)
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	шш	um	mm	2001	hm L	un;	un)	۳ŋ		hum	mu	μ'n	цл П	un
5G $+153$ $+28$ $+240$ $+28$ 5966 -28 -240 -28 5H $+125$ 0 $+212$ 0 5141 0 -132 0 $$ $$ $$ $$ $$ $$ $5h6h$ 0 -212 0 $$ $$ $$ $$ $$ $$ $$ $5h6h$ 0 -212 0 $$ $$ $$ $$ $$ $$ $$ -28 -240 -28 $6H$ $+160$ 0 $+265$ 0 $6h$ 0 -212 0 $6H$ $+160$ 0 $+265$ 0 $6h$ 0 -212 0 $$ $$ $$ $$ $$ $$ -66 -63 -275 -63 $7G$ $+228$ $+28$ $+265$ 0 $6h$ 0 -212 0 $7H$ $+200$ 0 $+335$ 0 $7h6h$ 0 -212 0 $7H$ $+200$ 0 $+335$ 0 $7h6h$ 0 -212 0 $8G$ $+228$ $+28$ $+28$ 88 -28 -363 -28 $8H$ $+250$ 0 $+4453$ $+28$ 88 -28 -363 -28 $8H$ $+250$ 0 $+4453$ $+28$ 88 -28 -363 -28 $$ $$ $ 7H$ $+278$ $+2$	5.6	11.2	1.25	4H	+100	0	+170	0	4h	0	-132	0	-75	-180
5H+1250+21205h4h0-1320 $$ $$ $$ $$ $$ 5h6h0 -212 0 $$ $$ $$ $$ $$ $$ $$ -212 0 $$ $$ $$ $$ $$ $$ -66 -63 -275 -63 $6G$ $+188$ $+28$ $+293$ $+28$ 66 -23 -275 -63 $6H$ $+160$ 0 $+265$ 0 $6H$ 0 -212 0 $$ $$ $$ $$ $$ $766e$ -63 -275 -63 $7G$ $+228$ $+28$ $+363$ $+28$ $7g6g$ -28 -240 -28 $7G$ $+228$ $+28$ $+363$ $+28$ $7g6g$ -28 -23 -28 $8G$ $+28$ $+28$ $+453$ $+28$ $8g$ -28 -363 -28 $8H$ $+250$ 0 $+445$ 0 $9g8g$ -28 -363 -28 $8H$ $+250$ 0 $+425$ 0 $9g8g$ -28 -363 -28 $4H$ $+112$ 0 $+196$ 0 -150 0 -150 0 $4H$ $+112$ 0 $+196$ 0 -150 0 -150 0 $4H$ $+112$ -170 $+37$ $+726$ -32 -268 -323 -228				5G	+153	+28	+240	+28	5g6g	-28	-240	-28	-123	-208
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				SH	+125	0	+212	0	5h4h	0	-132	0	-95	-180
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				1	1		1	1	5h6h	0	-212	•	-95	-180
6G $+188$ $+28$ $+293$ $+28$ 68 -28 -240 -28 6H $+160$ 0 $+265$ 0 6h 0 -212 0 $$ $$ $$ $$ $$ -212 0 $$ $$ $$ $$ $$ -212 0 $7G$ $+228$ $+28$ $+363$ $+28$ 7662 -23 -275 -63 $7H$ $+200$ 0 $+335$ 0 $7h6h$ 0 -212 0 $8G$ $+28$ $+28$ $+28$ 82 -28 -363 -28 $8H$ $+250$ 0 $+445$ 0 988 -28 -363 -28 H $+125$ 0 $+445$ 0 988 -28 -363 -28 $$ $$ $$ $$ $$ $$ -63 -268 </td <th></th> <td>100-171- as as</td> <td></td> <td>I</td> <td></td> <td></td> <td></td> <td>1</td> <td>6e</td> <td>-63</td> <td>-275 ,</td> <td>-63</td> <td>-181</td> <td>243</td>		100-171- as as		I				1	6e	-63	-275 ,	-63	-181	243
6H +160 0 +265 0 6h 0 -212 0 $$ $$ $$ $$ $$ $$ -212 0 $$ $$ $$ $$ $$ $$ -212 0 $7G$ $+228$ $+363$ $+28$ $786g$ -28 -63 $7H$ $+200$ 0 $+335$ 0 $7h6h$ 0 -212 0 $8G$ $+228$ $+363$ $+28$ $+363$ -28 -28 -28 $8G$ $+278$ $+453$ $+28$ $8g$ -28 -28 -28 $8H$ $+250$ 0 $+425$ 0 $9ggg$ -28 -363 -28 $8H$ $+250$ 0 $+425$ 0 $9ggg$ -28 -363 -28 $$ $$ $$ $ -16$ -150 0 <th></th> <td>,</td> <td></td> <td>6G</td> <td>+188</td> <td>+28</td> <td>+293</td> <td>+28</td> <td>6g</td> <td>-28</td> <td>-240</td> <td>-28</td> <td>-146</td> <td>-208</td>		,		6G	+188	+28	+293	+28	6g	-28	-240	-28	-146	-208
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				H9	+160	0	+265	0	6h	0	-212	0	-118	-180
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					1			1	7e6e	-63	-275	-63	-213	-243
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$					+228	+28	+363	+28	7g6g	-28	-240	-28	-178	-208
8G +278 +28 +453 +28 8g -28 -363 -28 8H +250 0 +425 0 998g -28 -363 -28 - - - - -363 -28 - - - - -150 0 4H +112 0 +196 0 4h 0 -150 0 4G +177 +37 +768 +32 566 -32 -268 -32					+200	0	+335	0	7h6h	0	-212	0	-150	-180
8H +250 0 +425 0 9g8g -28 -363 -28 3h4h 0 -150 0 4H +112 0 +196 0 4h 0 -150 0 4G +177 +33 +268 +32 5g6g -32 -268 -32					+278	1	+453	+28	88	-28	-363	-28	-218	-208
3h4h 0 -150 0 4H +112 0 +196 0 4h 0 -150 0 4G +172 +33 +268 +32 5g6g -32 -268 -32					+250	0	+425	0	988	-28	-363	-28	-264	-208
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			1.5	1					3h4h	0	-150	0	-67	-217
± 177 ± 37 ± 768 ± 32 5262 -32 -268 -32					+112	0	+190	0	4h	0	-150	0	-85	-217
				5G	+172	+ 32	+268	+32	5262	-32	-268	-32	-138	-249

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	diameter			Nut t	Nut thread					Bo	Bolt thread	p	
over	up to and	Pitch		Pitch	Pitch Dia	Mino	Minor Dia		Majo	Major Dia	Pitcl	Pitch Dia	Minor Dia
	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations etc.)
шш	шш	шш	6	шrl	цш	штl	m	CIASS	m	un	шri	hm.	dum d
5.6	11.2	1.5	5H	+140	. 0	+236	0	5h4h	0	-150	0	-106	-217
		<u>'</u>	1	1	1	1		5h6h	0	-236	0	-106	-217
				I	J	1		6e	-67	-303	-67	-199	-284
			6G	+212	+32	+332	+32	6g	-32	-268	-32	-164	-249
			H9	+180	0	+300	0	6h	0	-236	0	-132	-217
			1	1	J			Te6e	-67	-303	-67	-237	-284
			7G	+256	+32	+407	+32	7g6g	-32	-268	-32	-202	-249
			. HL	+224	0	+375	0	7h6h	0	-236	0	-170	217
	• dat 1	!	8G	+312	+32	+507	+32	83	-32	-407	-32	-244	-249
			H8	+280	0	+475	0	9g8g	-32	-407	-32	-297	-249
11.2	22.4		ł	Į.	1	1	1	3h4h	0	-112	0	- 09-	-144
			4H	+100	0	+150	0	4h	0	-112	0	-75	-144
	- 100		5G -	+151	+26	+216	+26	5868	-26	-206	-26	-121	-170
			5H	+125	0	+190	0	Sh4b	0	-112	0	-95	-144
			}	 - 1	1		1	Sh6h	0	-180	c	- 20	

ES, es = upper deviation EI, ei = lower deviation

basic major diameter	eter			Nut	Nut thread					ă	Bolt thread	ad	
	up to	Pitch		Pitch Dia	Dia	Minor Dia	r Dia		Pitch	Pitch Dia	Major Dia	r Dia	Minor Dia
over	and incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	lations, etc.)
mm	mm	mm	CI (125)	แท	ш'n	ш'n	цш		шŋ	шŋ	m	цг)	un
11.2	22.4	-	·	1	I	ł	I	6e	-60	-240	-60	-178	-204
			6G	+186	+26	+262	+26	6g	-26	-206	-26	-144	-170
			H9	+160	0	+236	0	6h	0	-180	0	-118	-144
					1		1	7e6e.	-60	-240	-60	-210	-204
		- - 	7G	+226	+26	+326	+26	7g6g	-26	-206	-26	-176	-170
			HL HL	+200	0	+300	0	7h6h	0	-180	0	-150	-144
			8G	+276	+26	+401	+26	8g	-26	306	-26	-216	-170
				+250	0	+375	0	9g8g	-26	-306	-26	-262	-170
		1.25		1				3h4h	0	-132	0	-67	-180
			4H	+112	0	+170	0	4h	0	-132	0	-85	-180
			5G	+168	+28	+240	+28	5868	-28	-240	-28	-131	208
			5H	+140	0	+212	0	5h4h	0	-132	0	-106	-180
			1		1	1	1	5h6h	0	-212	0	-106	-180
					1	1		6e	-63	-275	-63	-195	243
			59	+ 208	+ 28	+ 293	+28	69	-28	-240	-28	-160	-208

ES, es=upper deviation EI, ei =lower deviation ŝ

Basic	Basic major											EI, ei	ei =lower deviation
dian	diameter			Nut	Nut thread					Bo	Bolt thread	ad	
over	up to and	Pitch			Pitch Dia	Minor Dia	r Dia		Majo	Major Dia	Piteh	Pitch Dia	Minor Dia
	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	50		(for stress calcu-
шш	шш	шш		un.	E.	un.	mn	class	Шŋ	mn			lations, etc.)
11.2	22.4	1.25	ну	180		376 -			-				IIII
			TTO			C07 +	>	6h	0	-212	0	-132	-180
			1	1		1	ļ	7e6e	-63	-275	-63	-233	-243
			7G	+252	+28	+363	+ 28	7g6g	-28	-240	-28	-198	-208
			ΗL	+224	0	+335	0	7h6h	0	-212	0	-170	-180
			8G	+308	+28	+453	+28	83	-28	-363	-28	-240	-208
- -			8H	+280	0	+425	0	9g8g	-28	-363	-28	-293	-208
		1.5		1	1	1	I	3h4h	0	-150	0	12-	-217
		<u>-</u>	4H	+118	0	+190	0	4h	0	-150	0	-90	-217
		1	5G	+182	+32	+268	+32	5868	-32	-268	-32	-144	-249
			SH	+150	0	+236	0	5h4h	0	-150	0	-112	-217
			1	1	1			5h6h	0	-236	Û	-112	-217
				1	1	1	1	6e	-67	-303	-67	-207	-284
			90	+222	+32	+332 -	+32	6g	-32	-268	-32	-172	-249
		<u> </u>		+190	0	+300	0	6h	0	-236	0	-140	-217
(Continued)				1	1			7e6e	-67	-303	-67	-247	-284

ES, es=upper deviation EI, ei=lower deviation

Basic major diameter	major eter			Nut	Nut thread					Bc	Bolt thread	pg	
	up to	Pitch		Pitch	Pitch Dia	Mino	Minor Dia	and the second sec	Majc	Major Dia	Pitcl	Pitch Dia	Minor Dia
over	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations, etc.)
uu	шш	uu	CCDIA	ш'n	шŋ	μ'n	ur)		щIJ	цп	mη	un.	my
11.2	22.4	1.5	7G	+268	+32	+407	+32	7g6g	-32	-268	-32	-212	-249
			HL	+236	0	+375	0	7h6h	0	-236	0	-180	-217
			8G	+332	+32	+507	+32	88	-32	-407	-32	-256	-249
			8H	+300	0	+475	0	9g8g	-32	-407	-32	-312	-249
		1.75						3h4h	0	-170	0	-75	-253
			4H	+125	0	+212	0	4h	0	-170	0	-95	-253
			5G	+194	+34	+299	+34	5g6g	-34	-299	-34	-152	-287
			SH	+160	0	+265	0	5h4h	0	-170	0	-118	-253
			ļ			1	1	5h6h	0	-265	0	-118	-253
				.			· 1	6e	-71	-336	-71	-221	-324
			6G	+234	+34	+369	+34	6g	-34	-299	-34	-184	-287
			H9	+200	0	+335	0	6h	0	-265	0	-150	-253
				1	- I		1	7e6e	-71	-336	-71	-261	-324
			7G	+284	+34	+459	+34	7g6g	-34	-299	-34	-224	-287
			TH	+250	0	+425	0	7h6h	0	-265	0	-190	-253

basic major diameter	ajor			Nu	Nut thread	1					Rolt throad	<i>L1, e</i>	<i>El, ei</i> =lower deviation
	up to	Pitch		Dite	Pitch Nia	N.C.	i		-			cau	ĺ
over	and incl.		Tolerance				Minor Dia		Majc	Major Dia	Pitc	Pitch Dia	Minor Dia
			class	3	3	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu-
1				Ð	<u>E</u>	HT.	шŋ	2000	u.	un	Ш'n	ШŊ	Iautolis, elc.)
11.2 2	22.4	1.75	8G	+349	+34	+564	+34	8g	-34	-459	-34	02.0-	
			8H	+315	•	+530	0	9g8g	-34	450		234	-00
		3	1	1	1			3h4h	0	-180		+00	-287
			4H	+132	0	+236	0	4h	0	-180		001	-289
			SG.	+208	+38	+338	+38	Sg6g	-38	-318	38	-162	687-
			5H	+170	0	+300	0	5h4h	0	-180			
				1	1	1		Sh6h				C7 .	-289
		1							>	007-	>	-125	-289
						1		6e	11-	-351	-71	-231	-360
/			2	+250	+38	+413	+38	69	-38	-318	-38	-198	-377
			H9	+212	0	+375	0	6h	0	-280	0	-160	-289
					1	1		7e6e	12-	-351	-112-	-271	140
	· · · · · · ·		7G +	+303	+38	+513	+38	7g6g	-38	-318		720	000-
,			+ H1	+265	0	+475	0	7h6h		-280		000	-327
			+ 98	+373	+38 +	+638	+38	8g	-38	488	8	-288	-262
Continued	-	-	8H +	+335	0	+600	_	00.80	00				170

ES, es=upper deviation EI, ei=lower deviation

Basic majo	Basic major diameter			Nut	Nut thread					Bo	Bolt thread	, Pa	
	up to	Pitch		Pitch Dia	Dia	Minor Dia	r Dia		Major Dia	· Dia	Pitch Dia	Dia	Minor Dia
over	and incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	lior stress carcu- lations, etc.)
mm	ШШ	mm	CIASS	m	m	цт	ແກ		щ	E.J.	щł,	цц.	μm
11.2	22.4	2.5		1		1		3h4h	0	-212	0	-85	-361
		,		+140	0	+280	0	4h	0	-212	0	-106	-361
			\$G	+222	+42	+397	+42	5868	-42	-377	42	-174	-403
			SH	+180	0	+355	0	5h4h	0	-212	0	-132	-361
							1	5h6h	0	-335	0	-132	-361
				1			1		-80	-415	-80	-250	-441
			6G	+266	+42	+492	+42	6g	-42	-377	-42	-212	-403
			H9	+224	0	+450	0	6h	0	-335	0	-170	-361
		-			1	1		7e6e	-80	-415	-80	-292	-441
			7G	+322	+42	+602	+42	7g6g	-42	-377	-42	-254	-403
			ΗL	+280	0	+560	0	7h6h	0	-335	0	-212	-361
			8G	+397	+42	+752	+42	88	-42	-572	-42	-307	-403
			8H	+355	0	+710	0	9g 8g	-42	-572	42	-377	403
22.4	45			1				3h4h	0	-112	0	-63	-144
			4H	+106	0	+150	0	4h	0	-112	0	-80	-144

ES, es=upper deviation El, ei=lower deviation ì

												EI, e	EI, ei-lower deviation
Basic diam	Basic major diameter			Nut	Nut thread					Bol	Bolt thread		
Over	up to	Pitch		Pitch	Pitch Dia	Mino	Minor Dia		Majc	Major Dia	Pitc	Pitch Dia	Minor Dia
	incl.		Tolerance class	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations, etc.)
mm	uu	mm		цц	un)	un,	шŋ	CONTA	цц	Шл)	ш'n	m M	un
22.4	45	-	ŞG	+158	+26	+216	+26	5868	-26	-206	-26	-126	-170
			SH	+132	0	+190	0	5h4h	0	-112	0	-100	
			1]	1	1	1	5h6h	0	-180	0	-100	-144
			1	1	1	1	1	6e	-60	-240	-60	-185	-204
			6G	+196	+26	+262	+26	6g	-26	-206	-26	-151	-170
			H9	+170	0	+236	0	6h	0	-180	0	-125	-144
			I	1	1	1	1	7e6e	-60	-240	-60	-220	-204
			7G	+238	+26	+326	+26	7g6g	-26	-206	-26	-186	-170
		• <u>•</u>	ΗL	+212	0	+300	0	7h6h	0	-180	0	-160	-144
			8G	1	J	J	1	88	-26	-306	-26	-226	~170
			8H	1	1	1	1	9g8g	-26	-306	-26	-276	-170
	. No	1.5	1	ſ	1	I	Ì	3h4h	0	-150	0	-75	-217
			4H	+125	0	+190	0	4h	0	-150	0	-95	-217
			5G	+192	+32	+268	+32	5g6g	-32	-268	-32	-150	-249
			5H	+160	0	+236	0	5h4h	0	-150	0	-118	-217
(Continued)	<i>t</i>)												

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ES, es=upper deviationEI, ei=lower deviation

Basic dain	Basic major daimeter	-		Nut	Nut thread					Bo	Bolt thread	pr	
10110	up to	Pitch		Pitch Dia	Dia	Minor Dia	r Dia		Major Dia	r Dia	Pitch Dia	Dia	Minor Dia
OVEL	and incl.	_	Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(ior stress calcu- lations, etc.)
шш	mm	шш	C14339	hm	ц.	m,	щų	CONT	шŋ	цщ	hm	un)	μm
22.4	45	1.5	1	I	I		1	5h6h	0	-236	0	-118	-217
								6e	-67	-303	-67	-217	-284
			6G	+232	+32	+332	+32	6g	-32	-268	-32	-182	-249
			H9	+200	0	+300	0	6h	0	-236	0	-150	-217
								7e6e	-67	-303	-67	-257	-284
			7G	+282	+32	+407	+32	7g6g	-32	-268	-32	-222	-249
			HL	+250	0	+375	0	7h6h	0	-236	0	-190	-217
			8G	+347	+32	+ 507	+32	88	-32	-407	-32	-268	-249
			H8	+315	0	+475	0	9g8g	-32	-407	-32	-332	-249
		7	1		1			3h4h	0	-180	0	-85	-289
			4H	+140	0	+236	0	4h	0	-180	0	-106	-289
			5G	+218	+38	+338	+38	5g6g	-38	-318	-38	-170	-327
			SH	+180	0	+300	0	5h4h	0	-180	0	-132	-289
-					1			5h6h	0	-280	0	-132	-289
		•			1		1	6e	-71	-351	-71	-241	-360

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(Continued)

ES, es = upper deviationEI, ei = lower deviation

Basic dian	Basic major diamater			Nut	Nut thread	_				B	Bolt thread	ad	
1010	up to	Pitch		Pitch	Pitch Dia	Mino	Minor Dia		Majo	Major Dia	Pitcl	Pitch Dia	Minor Dia
5	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations, etc.)
шш	mm	mm	C1#02	ш'n	цп	Ę	цшл	C1433	цци	шri	шŋ	шŋ	un
22.4	45	6	6G .	+262	+38	+413	+38	6g	-38	-318	-38	-208	327
-			H9	+224	0	+375	0	6h	0	280	0	-170	-289
			1	1	1			7e6e	-71	-351	-71	-283	-360
			1G	+318	+38	+513	+38	7g6g	-38	-318	-38	-250	-327
			HL HL	+280	0	+475	0	7h6h	0	-280	0	-212	-289
			8G	+393	+38	+638	+38	88	-38	-488	-38	-303	-327
			8H	+355	0	+600	0	9g8g	-38	-488	-38	-373	-327
		3	ļ	1	I		1	3h4h	0	-236	0	-100	-433
			4H	+170	0	+315	0	4h	0	-236	0	-125	-433
			5G	+260	+48	+448	+48	5262	-48	-423	-48	-208	-481
		-	SH	+212	0	+400	0	5h4h	0	-236	0	-160	-433
			1	1	I	1		5h6h	0	-375	0	-160	-433
]	1	I	1	1	6e	-85	-460	-85	-285	-518
			6G	+313	+48	+548	+48	63	-48	-423	-48	-248	-481
			H9	265	0	+500	0	6h	0	-375	0	-200	-433

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ES, es=upper deviation EL ei =lower deviation

Image Nut thread Bolt thread up toc $\frac{up toc}{incl.}$ $\frac{pitch Dia}{incl.}$ $Minor Dia$ $Minor Dia$ $Pitch Dia$ $\frac{up toc}{incl.}$ $\frac{pitch}{class}$ EI ES EI ES EI ES EI ES EI ES ei es ei <														
	Basic diam	major leter			Nut	thread					Bo	It threa	p	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	over	up to and	Pitch	-	Pitcl	ı Dia	Minc	or Dia		Majo	r Dia	Pitch	ı Dia	Minor Dia
mm mm		incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu-
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	ШШ	uu	mm	CIGOS	E.	nm.	un	ш'n	class	ц Ш	ш'n	m	Ш'n	tauous, etc.)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	22.4	45	m	1					7e6e	-85	-466	-85	-335	-518
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				7G	+383	+48	+678	+48	7g6g	-48	-423	-48	-298	
8G $+473$ $+48$ $+448$ 848 $+448$ -648 -48 -363 8H $+425$ 0 $+800$ 0 $9g8g$ -48 -48 -48 -448 -448 -448 -448 -448 -448 -448 -448 -448 -448 -48 -448 -448 -448 -106 -106 -106 -106 -106 -106 -106 -106 -106 -106 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -132 -123 -123 -253 -253 -223 -223 -223 -223 -223 -223 -223 -223 -223 -223 -223 -223 -223 -223 -223 -233 -233 -233 -233				HL	+335	0	+630	0	7h6h	0	-375	0	-250	-433
8H $+425$ 0 $+800$ 0 $9g8g$ -48 -648 -448 -448 -448 -448 -448 -448 -448 -448 -448 -448 -448 -448 -448 -448 -448 -48 -448 -448 -468 -48 -448 -48 -48 -48 -448 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 <td></td> <td></td> <td></td> <td>8G</td> <td>+473</td> <td></td> <td>+848</td> <td>+48</td> <td>88</td> <td>-48</td> <td>-648</td> <td>48</td> <td>-363</td> <td>-481</td>				8G	+473		+848	+48	88	-48	-648	48	-363	-481
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				8H	+425	0	+800	0	9g8g	-48	-648	-48	-448	-481
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			3.5	1	1	1	I	1	3h4h	0	-265	0	-106	-505
5G $+277$ $+53$ $+503$ $+53$ $5g6g$ -53 -478 -53 -223 5H $+224$ 0 $+450$ 0 $5h4h$ 0 -265 0 -170 $$ $$ $$ $$ $$ -555 0 -170 $$ $$ $$ $$ $$ $$ -170 -170 $$ $$ $$ $$ $$ $$ -170 -170 $$ $$ $$ $$ $$ $$ -170 -170 $6G$ $+333$ $+53$ $+613$ $+53$ $6g$ -53 -245 0 -170 $$ $$ $$ $$ $$ $$ -23 -265 -212 -265 -212 -265 -212 -212 -212 -212 -212 -212 -212 -212 -212 -212 -212 -212 -212 -212 -212 -212 -212 <				4H	+180		+355	0	4h	0	-265	0	-132	-505
5H $+224$ 0 $+450$ 0 $5h4h$ 0 -265 0 -170 $$ $$ $$ $$ $$ -265 0 -170 $$ $$ $$ $$ $$ $$ -265 0 -170 $6G$ $+333$ $+53$ $+613$ $+53$ 668 -515 -90 -302 $6H$ $+280$ 0 $+560$ 0 $66h$ 0 -478 -53 -265 $$ $$ $$ $$ $$ $$ $$ $$ -266 -90 -315 -265 $7G$ $+408$ $+53$ 766 -90 -316 -325 -712 $7G$ $+408$ $+53$ 7763 -53 -712 -90 -355 $7G$ $+408$ $+53$ 7766 -90 -318 -318 -318 </td <td></td> <td></td> <td></td> <td></td> <td>+277</td> <td></td> <td>+503</td> <td>+53</td> <td>5862</td> <td>-53</td> <td>-478</td> <td>-53</td> <td>-223</td> <td>-558</td>					+277		+503	+53	5862	-53	-478	-53	-223	-558
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		99. s. s. f			+224		+450	0	5h4h	0	-265	0	-170	-505
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	- ** 1				1	1	1	1	5h6h	0	-425	0	-170	-505
6G $+333$ $+53$ $+613$ $+53$ $6g$ -53 -265 $6H$ $+280$ 0 $+560$ 0 $6h$ 0 -2478 -53 -265 $$ $$ $$ $$ $$ $$ -266 -90 -515 -90 -355 $7G$ $+408$ $+53$ $+763$ $+53$ 7766 -50 -516 -90 -355			<u> </u>	1	1	1	1	1	6e	06-	-515		-302	
6H +280 0 +560 0 6h 0 -425 0 -212					+333		+613	+53	6g	-53	-478	-53	-265	-558
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	•	•	1		+280		+560	0	6h	0	-425	-	-212	-505
7G +408 +53 +763 +53 7g6g -53 -478 -53 -318	* % ,			1	1	1	1	1	7e6e		-515		-355	-595
	(* (*						+763	+53	7g6g		-478		-318	-558

ES, es=upper deviation EL, ei=lower deviation

Basic	Basic maior						ſ					i i	ter, et-lower ucviation
diar	diameter			Nut	Nut thread					Bo	Bolt thread	ad	
over	up to and	Pitch		Pitch	Dia	Minor Dia	r Dia		Major Dia	r Dia	Pitch	Pitch Dia	Minor Dia
	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei.	(for stress calcu-
шш	ШШ	mm	CIGON	ŭ T	m,	ur/	(mn)	class	ur.	n ur	Ш'n	: un	lations, etc.)
22.4	45	3.5	ΗL	+355	0	+710	0	7h6h	0	-425	. 0	-265	-505
			8G	+503	+53	+953	+53	89	-53	-723	-53	-388	-558
			8H	+450	0	006+	0	9g8g	-53	-723	-53	-478	-558
		4			1	1	1	3h4h	0	-300	0	-112	-577
			4H	+190	0	+375	0	4h	0	-300	0	-140	-577
			SG	+296	+60	+535	+60	5g6g	-60	-535	-60	-240	-637
			SH	+236	0	+475	0	5h4h	0	-300	0	-480	
			-			1		5h6h	0	-475	0	-180	577
					1	1		6e	-95	-570	-95	-319	-672
			6G	+360	60	+660	+60	6g	-60	-535	-09-	-284	-637
			H9	+300	0	+600	0	6h	0	-475	0	-224	-577
				-			Į	Te6e	-95	-570	-95	-375	-672
			7G	+435	+60	+810	+60	7g6g	-60	-535	-60	-340	637
			. HT	+375	0	+750	0	7h6h	0	-475	0	-280	-577
			8G	+535	+60	+60 + 1010	+60	8g	-60	-810	-60 415	415	-637
(communed)	(1												

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ES, es=upper deviation EI, ei=lower deviation

$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Basic major diameter			Nut	Nut thread					Bol	Bolt thread	đ	
and incl. Tolerance ES EI ES EI mm mm μm μm μm μm μm 45 4 8H +475 0 +950 0 45 - - - - - - - 45 - - - - - - - - 44 +200 0 +425 0 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -				Pith	Dia	Minor	r Dia		Major Dia	Dia	Pitch	Pitch Dia	Minor Dia
mm mm μ μ μ μ μ μ 45 4 8H +475 0 +950 0 9 45 - - - - - - - 3 45 - - - - - - - 3 45 - - - - - - - 3 5G +313 +63 +533 +63 +63 +63 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -			Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(Ior stress calcu- lations, etc.)
45 4 8H $+475$ 0 $+950$ 0 4.5 4.5 4.5 $5G$ $+313$ $+63$ $+933$ $+63$ $5G$ $+313$ $+63$ $+733$ $+63$ $$ $$ $$ $$ $$			CC1100	шŋ	hm U	ш'n	цш		hum	Щ?)	۲m	ш'n	шц
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			H8	+475	0	+950	0	9g8g	-60	-810	-60	-510	-637
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	1864 - 118 ANTON	4.5	1				1	3h4h	0	-315	0	-118	-650
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	1		4H	+200	0	+425	0	4h	0	-315	0	-150	-650
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		•	SG .	+313	+63	+593	+63	Sg6g	-63	-563	-63	-253	-713
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			SH	+250	0	+530	0	5h4h	0	-315	0	-190	-650
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		د بودید را د				1		5h6h	0	-500	0	-190	-650
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								6e	-100	-600	-100	-336	-750
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Rosen to the	6G	+378	+63	+733	+63	6g	-63	-563	-63	-299	-713
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	an na sh	a	H9	+315	0	+670	0	6h	0	-500	0	-236	-650
+463 +63 +913 +63 +400 0 +850 0 +563 +63 +1123 +63	a						1	7e6e	-100	-600	-100	400	-750
+400 0 +850 0 +563 +63 +1123 +63	-, # ; -;		7G	+463	+63	+913	+63	7g6g	-63	-563	-63	-363	-713
+563 +63 +1123 +63			HL	+400	0	+850	0	7h6h	0	-500	0	-300	-650
	· • ·		8G	+563	+63	+1123	+63	აგ გ	-63	-863	-63	-438	-713
+200 0 +1000 0		- 1-28 (101) (100)	8H	+500	0	+1060	0	9g8g	-63	-863	-63	-538	-713
45 90 1.5 — — — — 3h4h	 							3h4h	0	-150	0	-80	-217

<u> </u>	
5	4
ğ	š
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11	ΞH

basic major diameter	ajor ter			Nut	Nut thread					Rol	Rolt throad		El, ei=lower deviation
over	up to and	Pitch		Pitcl	Pitch Dia	Mine	Minor Dia						· · · · · · · · · · · · · · · · · · ·
	incl.		Tolerance	ES	EI	FS	EI	Tolerance		Major Dia	Pitc	Pitch Dia	Minor Dia
mm	mm	mm	CIESS					class	es	ei	6.5	ei	lations etc.)
				B.	u.	un l	Ш'n		un)	mr,	E E	nm.	110, 100, 100, 100, 100, 100, 100, 100,
54 2	6	1.5	4H	+132	0	+190	0	4h	0	-150	0	-100	
	•••••		5G	-202	± 32	+268	+32	5 <u>8</u> 6 <u>e</u>	-32	348	1.5		/ [7-
			SН	170	0	-236	C	21-21-				/01	-249
		- l						n+nc	0	- 150	0	-125	-217
					1			5h6h	0	-236	0	-125	-217
							1	6e	-67	-303	-67	-227	-284
		<u> </u>		+244	+32	+332	+32	6g	-32	-268	-32	-192	010
			- H9	+212	0	+300	0	49				4/1	
		<u> </u>	1			1			>	-236	0	-160	-217
				. <u> </u>				7e6e	-67	303	-67	-267	-284
				+297	+32	-407	+32	7g6g	-32	-268	-32	-232	-340
-				+265	0	+375	0	7h6h	0	-236		-200	CT-2
			8G	+367	-32	+ 507	+32	83	-32	-407	· - [· · ·		/17-
			8H	+335		274			- <u>1</u> .	È	70-	787-	-249
	-	2			Ì		>	2883	-32	-407	-32	-347	249
						1		3h4h	0	-180	0	-90	-289
···				+150	0	+236	0	4h	0,	-180	0	-112	000
(Continued)	-	-	5G +:	+228	+38 =	238	1 20						607-

ES, es=upper deviation EI, ei=lower deviation

Basic	Basic major											EI. e.	El. ei-lower deviation
dian	diameter			Nut	Nut thread	_	-			Bol	Bolt thread	ad	
over	up to and	Pitch			Pitch Dia	Minor Dia	r Dia		Maio	Maior Dia	Dita	Ditat Dia	MfD
	incl.		Tolerance	ES	EI	ES	EI	Tolerance	30				for stress calcu-
uu	mm	um		цп	an	=		class		3	S	61	lations. etc.)
				-						<u>¶</u>	щŊ	щ'n	u n.
6	6	2	SH	+190	0	+300	0	5h4h	0	-180	0	-140	-289
			-	1	1	1	1	5h6h	0	-280	0	-140	-289
				1		1	I	6e	-71	-351	-71	-251	-360
			6G	+274	+38	+413	+38	6g	-38	-318	-38	-218	-327
		.	H9	+ 236	0	+375	0	6h	0	-280	0	-180	-289
		in an	1	1	1	1]	7e6e	-71	-351	-71	-295	-360
1444 e or		(7G	+338	+38	+513	+38	7g6g	-38	-318	-38	-262	-327
			7H	+300	0	+475	0	7h6h	0	-280	0	-224	030-
			8G	-413		638	+38	8	-38	-488	-38	-318	-377
			8H	+375	0	600	0	9g8g	-38	-488	-38	-393	-327
					Ŧ		1	3h4h	0	-236	0	-106	-433
				+180	0	+315	0	$^{4\mathrm{h}}$	0	-236	0	-132	-433
			5G	+272	+48	+ 448	+48	5868	-48	-423	-48	-218	-481
		[5H	+224	0	+400	0	Sh4h	0	-236	0	-170	-433
(Continued)			1	1				5h6h	0	-375	0	-170	433
													22

ES, es = upper deviationEI, ei = lower deviation

Basic diar	Basic major diameter			Nut	Nut thread			v. k		Bo	Bolt thread	ead	
Over	up to	Pitch		Pitch	Pitch Dia	Mine	Minor Dia		Majo	Major Dia	Pitch	h Dia	Minor Dia
	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations etc.)
mm	BB	шш	20012	HI I	mun	шŋ	Ш.	CIASS	E E	E.	E H	H H	(internet)
45	8	3	1			1		6e	-85	-460	-85	-297	-518
			6G	+328	+ 48	+548	+48	6g	48	-423	48	-260	-481
			H9	+280	0	+ 500	0	6h	0	-375	0	-212	-433
			1	1	1			Tebe	-85	-460	-85	-350	-518
			7G	+403	+48	+678	+48	7g6g	48	-423	48	-313	-481
			ΗL	+355	0	+630	0	7h6h	0	-375	0	-265	-433
			8G	+498	+ 48	+848	+48	8 <u>8</u>	-48	-648	48	-383	-481
			8H	+450	0	+800	0	9g8g	-48	-648	-48	-473	-481
,		4	1	1	1			3h4h	0	-300	0	-118	-577
			4H	+200	0	+375	0	4h	0	-300	0	-150	-577
			5G	+31C	+60	+ 535	+60	5868	-60	-535	-60	-250	-637
			SH	+250	0	+475	0	5h4h	0	-300	0	-190	-577
		· · · · ·	1		1	1	1	5h6h	0	-475	0	-190	-577
	** ·		ſ	1				6e	-95	-570	-95	-331	-672
			9G	+375	+60	- 660	- 60	60	-60	-535	-60	206	<u> </u>

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Basic major diameter	najor eter			Nui	Nut thread					'		E1, e	EI, ei=lower deviation
		Pitch					·			2	Bolt thread	ad	
over	and		1	Pitc	Pitch Dia	Min	Minor Dia		Majo	Major Dia	Pife	Pitch Dia	Minor Dia
	incl.		Tolerance class	ES	EI	ES	EI	Tolerance	es	ei	50	ei	(for stress calcu-
	mm	ШШ		un.	Ш'n	E E	m	CIASS				;	lations, etc.)
4 5	40										E.	E.	ш'n
	06	4	H9	+315	0	+600	0	6ћ	0	-475	0	-236	-577
				1	1		1	7e6e	-95	-570	-95	-395	-672
			7G	+460	+60	+810	0 9+	7g6g	-60	-535	-60	-360	-637
5			7H	+400	0	+750	0	7h6h	0	-475	0	-300	-577
		<u></u>	8G	+560	09+	+1010	09+	88	-60	-810	-90	-435	110-
	<u>.</u>		H8	+500	0	+950	0	9g8g	-99	-810	09-	-535	100
		S	1					3445					100-
		<u> </u>		0.0				11+110	>	-335	0	-125	-722
				-212	0	+450	0	4h	0	-335	0	-160	-722
				+336	+ 71	+631	+71	5868	-71	-601	-71	-271	-793
			5H -	+265	0	+560	0	5h4h	0	-335	0	-200	-722
	• •		1	1		1	1	5h6h	0	-530	0	-200	-722
			1	1	1	1	1	6e	-106	-636	-106	-356	-828
				+406	+71	+781	+71	6g	-71	-601	-11-	-321	-793
	i to gara		H9	+335	0	+710	0	6h	0	-530	0	-250	-722
			1				1						

deviation	deviation
es=upper	ei=lower
ES,	EI,

Basic diam	Basic major diameter			Nut	Nut thread					B	Bolt thread	ad	
Over	up to	Pitch		Pitch	Pitch Dia	Mino	Minor Dia		Majo	Major Dia	Pitch	Pitch Dia	Minor Dia
	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations. etc.)
mm	mm	ШШ	CCDIA	E.	hum	un)	E n	CIASS	nn	l un	E 3.	เม	un
45	8	5	7G	+496	+71	+971	+71	7g6g	-7	-601	-71	-386	-793
			7H	+425	0	006+	0	7h6h	0	-530	0	-315	-722
			8G	+601	+71	+1191	+71	8g	-71	-921	-71	-471	-793
*			8H	+530	0	+1120	0	9888	-71	-921	71	-571	-793
		5.5	Y	1				3h4h	0	-355	0	-132	-794
			4H	+224	0	+475	0	4h	0	-355	0	-170	-794
			5G	+355	+75	+675	+75	5g6g	-75	-635	-75	-287	-869
			SН	+280	0	+600	0	5h4h	0	-355	0	-212	-794
			1	1				5h6h	0	-560	0	-212	-794
			1		1			6e	-112	-672	-112	-377	-906
			6G	+430	+75	+825	+ 75	63	-75	-635	-75	-340	-869
			H9	+355	0	+750	0	6h	0	-560	0	-265	-794
			1	1	1			7e6e	-112	-672	-112	-447	-906
			7G	+525	+75	+1025	+75	7969	-75	-635	-75	410	-869
			TH TH	+450	0	+950	0	7h6h	0	- 260	C	-335	-794

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FS 00.

	Basic	Basic major											EI, e	EI. $ei=lower deviation$
	dian	diameter	i		Nur	Nut thread	70				Ð	Bolt thread	bad	
	OVer	up to	Fitch		Pitcl	Pitch Dia	Min	Minor Dia						
	5	incl.		Tolerance		13			ŀ	Major	or Dia	Pitt	Pitch Dia	Minor Dia
	u u	mm	ШШ	class			E	E	1 olerance class	e es	ei	es	ei	(for stress calcu- lations etc.)
	45	5						E.		E I	<u>H</u>	ĦŊ.	щr,	L'III
	3	R	c.c	8G	+635	+75	+1255	+75	8g	-75	-975	75	L	
		J.		H8	+560	0	+1180	0	9282	175				-869
	····		ę	1	1	1	1		3546			C	-005	-869
,				4H	+236	0	1005	6	11411C		-3/5	0	-140	-866
·				25	000	1			4h	0	-375	0	-180	-866
			!_	3	- 100	08+	+710	+80	5g6g	-80	-680	-80	-304	240
				5H	+ 300	0	+630	0	5h4h	0	-375			0+6
		-		1	}	1			Sheh			,	t]	-866
			<u> </u>	1						>	-000	•	-224	-866
د د د د د								1	6e	-118	-718	-118	-398	-08/
	184			90	+455	- 80	+ 880	+80	6g	-80	-680	08	0.00	+00
				H9	+375	0	-800	0	64			3	000-	-946
					1					>	-000-	ъ	-280	-866
-					·	in and			7e6e	-118	-718	-118	-473	-984
	/					+ 80	+1080	+80	7g6g	-80	-680	-80	-435	-946
				Ì	+475	+	+1000	0	7h6h	0	009-	0	-355	0.47
				8G	+680	+ 80 +	+1330	+80	8g	-80	-1030		000	- 200
(Continued)	(panu		-	8H	+600	+	+1250	6	9 <u>g</u> 8g		1	··	000-	-946
											1	- 1	-040	-946

ES, es = upper deviationEI, ei = lower deviation

Racir	Racir mainr												
dian	diameter			Nut thread	iread					Bolt	Bolt thread		
	up to	Pitch		Pitch Dia	Dia	Minor Dia	r Dia		Major Dia	r Dia	Pitch Dia	Dia	Minor Dia
over	and incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations, etc.)
uu	mm	mm	66910	шŋ.	μm	шŋ	шŋ)		un	μm	un.	(mr)	m
06	180	17			I	ł		3h4h	0	-180	0	- 95	-289
			4H	+160	0	+236	0	4h	0	-180	0	-118	-289
			5G	+238	+38	+338	+38	5868	-38	-318	-38	-188	-327
			SH	+200	0	+300	0	5h4h	0	-180	0	-150	-289
				1			1	5h6h	0	-280	0	-150	-289
						1		6e	-71	-351	-11-	-261	-360
			6G	+288	+38	+413	+38	6g	-38	-318	-38	-228	-327
			H9	+250	0	+375	0	6h	0	-280	0	-190	-289
			turit.		1		•	Tebe	-11-	-351	-71	-307	-360
			7G	+353	+38	+513	+38	7g6g	-38	-318	-38	-274	-327
			HL HL	+315	0	+475	0	7h6h	0	-280	0	-236	-289
			8G	+438	+38	+638	+ 38	છુ	-38	-488	-38	-338	-327
			8H	+400	0	+600	0	9g8g	-38	-488	-38	-413	-327
		3	1	1	.		1	3h4h	0	-236	0	-112	-433
07-14-101,44			4H	+190	0	+315	0	4h	0	-236	0	-140	-433
(Continued)	(p												

ES, es = upper deviationEI, ei = lower deviation

Basic	Basic major diameter			Nut	Nut thread					Bo	Bolt thread	pı	
10,10	up to	Pitch		Pitch	Pitch Dia	Mino	Minor Dia		Major Dia	r Dia	Pitch Dia	Dia	Minor Dia
0,00	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations, etc.)
mm	mm	uu	CC117	um)	HI1	un,	un)	2	цт	hm	шŋ	шŋ	Ш'n
06	108	3	ŞG	+284	+48	+448	+48	5g6g	-48	-423	-48	-228	-481
			SH	+236	0	+400	0	5h4h	0	-236	0	-180	-433
			1					5h6h	0	-375	0	-180	-433
						1		6e	-85	-460	-85	-309	-518
			6G	+348	+48	+ 548	+48	6g	-48	-423	-48	-272	-481
	~		H9	+300	0	+ 500	0	6h	0	-375	0	-224	433
				1	1	1	1	7e6e	-85	-460	-85	-365	-518
			7G	-423	48	+ 678	48	7g6g	-48	-423	-48	-328	-481
•••••••••			HL	-375	0	+630	0	7h6h	0	-375	0	-280	-433
			8G	+523	+48	- 848	-48	88 89	-48	-648	-48	-403	-481
			8H	+475	0	- 800	0	9g8g	-48	-648	-48	-498	-481
		4	1	1	1	ł	1	3h4h	0	-300	0	-125	-577
			4H	+212	0	+375	0	4ħ	0	-300	0	-160	-577
			5G	+325	+60	+535	+60	5g6g	-60	-535	-60	-260	-637
			SH	+265	0	+475	0	Sh4h	0	-300	0	-200	-577

ES, es = upper deviationEI, ei = lower deviation

Basic major diameter	ajor ter			Nut 1	Nut thread					Bol	Bolt thread	-	
	up to	Pitch		Minor Dia	Dia	Pitch Dia	Dia		Major Dia	Dia	Pitch Dia]	Minor Dia (for stress calcu-
over	and		Tolerance	ES	EI	ES	El	Tolerance	es	ei	es	ei	lations, etc.)
uu		mm	class	E	En.	ш'n	hm	CIASS	E,	Щ.	E I	Щ.	циц
1	001							5h6h	0	-475	0	-200	-577
R	100	-			1	1	1	6e	-95	-570	-95	-345	-672
			90	+395	+60	+660	+60	69	-60	-535	-60	-310	-637
			H9	+335		+600	0	6h	0	-475	0	-250	-577
			1				1	7e6e	-95	-570	-95	-410	-672
			16	+485	99+	+810	+- 60	7g6g	-60	-535	-60	-375	-637
			2.HL	+425	0	+ 750	0	7h6h	0	-475	0	-315	-577
			5	+ 590	99+	+1010	99 +	88	-60	-810	-60	-460	-637
			H	-530	0	+950	0	988	-09	-810	-60	-560	-637
		4		1	1		1	3h4h	0	-375	0	-150	-866
)	4H	+250	0	+500	0	4h	0	-375	0	-190	-866
			5.	+395	-80	+710	+80	5g6g	-80	-680	-80	-316	-946
			2 HS	+315		+630	0	5h4h	0	-375	0	-236	-866
						1		5h6h	0	-600	0	-236	-866
				1	1	1		6e	-118	-718	-118	-418	-984

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ES, es=upper deviation EI, ei=lower deviation ~

Basic maj	Basic major			· Nut thread	hread					Boli	Bolt thread	_	
	up to	Pitch		Pitch Dia	Dia	Minor Dia	Dia		Major Dia	Dia	Pitch Dia	Dia	Minor Dia
over	and		Tolerance	ES	EI	ES	EI	Tolerance	e3	¢i	es	ei	lations, etc.)
шш		mm	class	ш'n	hm	นม	und	Class	und	шŋ	und	۳	μm
06	180	9	6G	+480	+ 80	+880	08 +	හි	-80	-680	-80	-380	-946
2))	·	H9	+400	0	+800	0	6ħ	0	-600	0	-300	-866
			1		1	1		Teće	-118	-718	-118	-493	-984
			DL	+580	+ 80	+1080	+80	Tg6g	-80	-680	-80	-455	-946
			HL	+500	0	+1000	0	7h6h	0	-600	0	-375	-866
			8G	+710	+80	+1330	+ 50	63	-80	-1030	-80	-555	-946
			8H	+ 630	0	+1250	0	9282	-80	-1030	-80	-680	-946
180	355		1	1	1		1	31.41	0	-236	0	-125	-433
201		•	4H	+212	0	+315	0	4h	0	-236	0	-160	-433
			5G	+313	+48	+448	+48	5868	-48	-423	48	-248	-481
			SH	+265	0	+400	0	5h4h	0	-236	0	-200	-433
			1		1	1	1	5h6h	0	-375	0	-200	-433
				1	1		1	6e	-85	-460	-85	-335	-518
			66	+383	+48	+548	+ 48	69	48	-423	-48	-298	-481
			ПУ	1335	c	+ 500	c	6h	0	-375	0	-250	-433

S.L.S. 268:1974

Continued)

ES, es = upper deviationEl, ei = lower deviation

Basic majo diameter	Basic major diameter			μN	Nut thread					Bo	Bolt thread	ad	
over	up to	Pitch		Pitch	Pitch Dia	Minor Dia	r Dia		Maio	Maior Dia	Pitch	Pitch Dia	Minor Dia
5	incl.		Tolerance	ES	EI	ES	EI	Tolerance	es	ei	es	ei	(for stress calcu- lations, etc.)
шш	шш	шш	60mm	шŋ	ш'n	цц	แห	CIASS	un,	(un)	hin	E L	mn
180	355	3	I	I	I	J	1	7e6e	-85	-460	-85	-400	-518
			7G	+473	+48	+678	+48	7868	48	-423	-48	-363	-481
			TH	+425	0	+630	0	7h6h	0	-375	0	-315	-433
			8G	+578	+48	+ 848	+48	Sg	-48	-648	-48	448	-481
			H8	+530	0	+800	0	9g8g	-48	-648	-48	-548	-481
		4	1	1	1			3h4h	0	-300	0	-140	-577
			4H	+236	0	+375	0	4h	0	-300	0	-180	-577
			5G	+360	+60	+535	+60	5868	-60	-535	-60	-284	-637
			SH	+300	0	+475	0	5h4h	0	-300	0	-224	-577
			1	1	1	1	I	5h6h	0	-475	0	-224	-577
			I	1	1	1		6e	-95	-570	-95	-375	-672
			6G	+435	+ 60	+660	+60	6g	-60	-535	99	-340	-637
			H9	+375	0	+600	0	6h	0	-475	0	-280	-577
			1	1	1	1	1	Teée	-95	-570	-95	-450	-672
			7G	+535	+60	+ 810	1	7262	09-	-535	9	-415	-637

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		و من ا	Z	t there							<i>с1</i> , е	EI, e1= ower deviation
1	Pitch			Nut thread	-		-		-	Bolt thread	ead	
		1		Pitch Dia	Mine	Minor Dia		Mai	Maior Dia	p:	Ditch Dic	
incl.		Tolerance	ES	EI	ES	FI	Tolerance				ia Dia	MINOR Dia
шш	mm	class	ELE L	H			class	1	ei	68	ei	lations, etc.)
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