BS 3643-2:2007

BRITISH STANDARD

ISO metric screw threads

Part 2: Specification for selected limits of size

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Contents

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 42, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 3643 is published by BSI and came into effect on 30 November 2007. It was prepared by Subcommittee SFTSE/1, *Screws and fasteners technical specification committee*, under the authority of Technical Committee FME/9, *Nuts, bolts and accessories*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This part of BS 3643 supersedes BS 3643-2:1981, which is withdrawn.

Relationship with other publications

BS 3643 consists of the following parts:

- *Part 1: Principles and basic data;*
- *Part 2: Specification for selected limits of size.*

Information about this document

This part of BS 3643 has been revised to bring it up to date.

Hazard warnings

WARNING. Attention is drawn to the fact that, with the different screw thread forms available, there is the possibility of a mismatch, which is potentially hazardous. It is the responsibility of the designer of the end product to ensure that this possibility is reduced to a minimum. For further information on mismatches of screw thread systems see PD 6494.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is “shall”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

1 Scope

This part of this BS 3643 specifies the fundamental deviations, tolerances and limits of size for the tolerance classes 4H, 5H, 6H and 7H for internal threads and 4h, 6g and 8g for external threads where appropriate for:

- a coarse pitch series with the range 1 mm to 68 mm diameter;
- a fine pitch series with the range 1 mm to 33 mm diameter;
- a constant pitch series with the range 8 mm to 300 mm diameter.

For certain diameter/pitch combinations, the fundamental deviations, tolerances and limits of size for tolerance class 4H for internal threads and tolerance classes 6h and 4g for external threads, primarily for aerospace use, are specified in Annex A.

2 Normative references

The following referenced documents are indispensable for the application 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.

BS 3643-1:2007, *ISO metric screw threads – Principles and basic data*

3 Terms and definitions

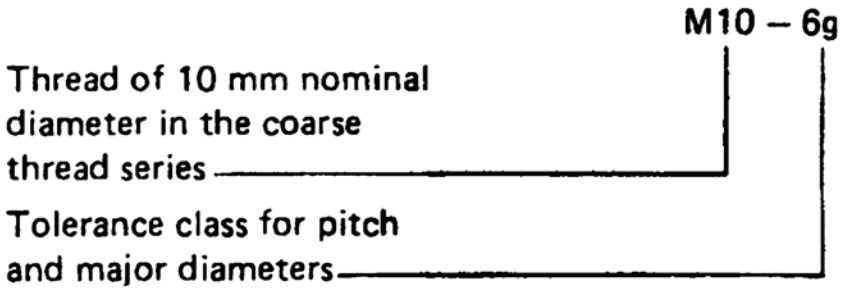
For the purposes of this part of BS 3643 the terms and definitions given in BS 3643-1:2007 apply.

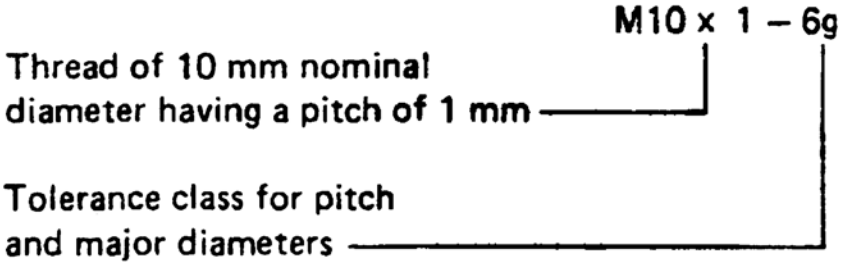
4 Designation

The complete designation for a screw thread shall comprise a designation for the thread system and a designation for the thread tolerance class in accordance with BS 3643-1:2007, **7.3**.

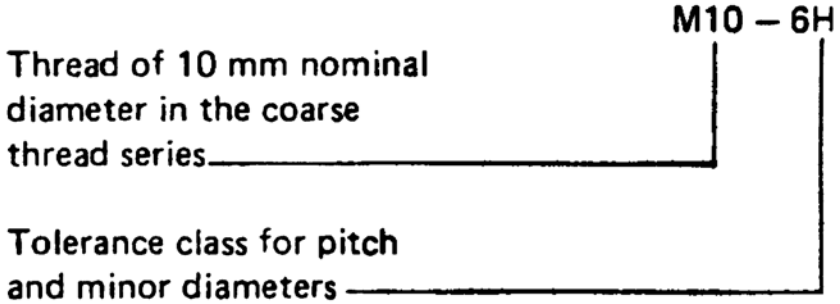
EXAMPLES:

External thread





Internal thread



5 Requirements

Fundamental deviations, tolerances and limits of size shall be as specified in Table 1.

*NOTE For the minor diameter of external threads Table 1 specifies the minimum dimensions only. The maximum dimensions have not been specified because of the requirement in BS 3643-1:2007, **7.9**, that these dimensions are to be controlled by the GO gauge.*

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement

All dimensions are in millimetres.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
1		0.2		4h	0	1.000	0.036	0.964	0.870	0.030	0.840	0.717	4H	0	1.000	0.910	0.040	0.870	0.821	0.038	0.783
				6g	0.017	0.983	0.056	0.927	0.853	0.048	0.805	0.682									
	0.25			4h	0	1.000	0.042	0.958	0.838	0.034	0.804	0.649	4H	0	1.000	0.883	0.045	0.838	0.774	0.045	0.729
				6g	0.018	0.982	0.067	0.915	0.820	0.053	0.767	0.613	5H	0	1.000	0.894	0.056	0.838	0.785	0.056	0.729
1.1		0.2		4h	0	1.100	0.036	1.064	0.970	0.030	0.940	0.817	4H	0	1.100	1.010	0.040	0.970	0.921	0.038	0.883
				6g	0.017	1.083	0.056	1.027	0.953	0.048	0.905	0.782									
	0.25			4h	0	1.100	0.042	1.058	0.938	0.034	0.904	0.750	4H	0	1.100	0.983	0.045	0.938	0.874	0.045	0.829
				6g	0.018	1.082	0.067	1.015	0.920	0.053	0.867	0.713	5H	0	1.100	0.994	0.056	0.938	0.885	0.056	0.829
1.2		0.2		4h	0	1.200	0.036	1.164	1.070	0.030	1.040	0.917	4H	0	1.200	1.110	0.040	1.070	1.021	0.038	0.983
				6g	0.017	1.183	0.056	1.127	1.053	0.048	1.005	0.882									
	0.25			4h	0	1.200	0.042	1.158	1.038	0.034	1.004	0.850	4H	0	1.200	1.083	0.045	1.038	0.974	0.045	0.929
				6g	0.018	1.182	0.067	1.115	1.020	0.053	0.967	0.813	5H	0	1.200	1.094	0.056	1.038	0.985	0.056	0.929
1.4		0.2		4h	0	1.400	0.036	1.364	1.270	0.030	1.240	1.117	4H	0	1.400	1.310	0.040	1.270	1.221	0.038	1.183
				6g	0.017	1.383	0.056	1.327	1.253	0.048	1.205	1.082									
	0.3			4h	0	1.400	0.048	1.352	1.205	0.036	1.169	0.984	4H	0	1.400	1.253	0.048	1.205	1.128	0.053	1.075
				6g	0.018	1.382	0.075	1.307	1.187	0.056	1.131	0.946	5H	0	1.400	1.265	0.060	1.205	1.142	0.067	1.075
													6H	0	1.400	1.280	0.075	1.205	1.160	0.085	1.075
1.6		0.2		4h	0	1.600	0.036	1.564	1.470	0.032	1.438	1.315	4H	0	1.600	1.512	0.042	1.470	1.421	0.038	1.383
				6g	0.017	1.583	0.056	1.527	1.453	0.050	1.403	1.280									
	0.35			4h	0	1.600	0.053	1.547	1.373	0.040	1.333	1.117	4H	0	1.600	1.426	0.053	1.373	1.284	0.063	1.221
				6g	0.019	1.581	0.085	1.496	1.354	0.063	1.291	1.075	5H	0	1.600	1.440	0.067	1.373	1.301	0.080	1.221
													6H	0	1.600	1.458	0.085	1.373	1.321	0.100	1.221

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
1.8		0.2		4h	0	1.800	0.036	1.764	1.670	0.032	1.638	1.515	4H	0	1.800	1.712	0.042	1.670	1.621	0.038	1.583
				6g	0.017	1.783	0.056	1.727	1.653	0.050	1.603	1.480									
	0.35			4h	0	1.800	0.053	1.747	1.573	0.040	1.533	1.317	4H	0	1.800	1.626	0.053	1.573	1.484	0.063	1.421
				6g	0.019	1.781	0.085	1.696	1.554	0.063	1.491	1.275	5H	0	1.800	1.640	0.067	1.573	1.501	0.080	1.421
													6H	0	1.800	1.658	0.085	1.573	1.521	0.100	1.421
2		0.25		4h	0	2.000	0.042	1.958	1.838	0.036	1.802	1.648	4H	0	2.000	1.886	0.048	1.838	1.774	0.045	1.729
				6g	0.018	1.982	0.067	1.915	1.820	0.056	1.764	1.610	5H	0	2.000	1.898	0.060	1.838	1.785	0.056	1.729
	0.4			4h	0	2.000	0.060	1.940	1.740	0.042	1.698	1.452	4H	0	2.000	1.796	0.056	1.740	1.638	0.071	1.567
				6g	0.019	1.981	0.095	1.886	1.721	0.067	1.654	1.408	5H	0	2.000	1.811	0.071	1.740	1.657	0.090	1.567
													6H	0	2.000	1.830	0.090	1.740	1.679	0.112	1.567
2.2		0.25		4h	0	2.200	0.042	2.158	2.038	0.036	2.002	1.848	4H	0	2.200	2.086	0.048	2.038	1.974	0.045	1.929
				6g	0.018	2.182	0.067	2.115	2.020	0.056	1.964	1.810	5H	0	2.200	2.098	0.060	2.038	1.985	0.056	1.929
	0.45			4h	0	2.200	0.063	2.137	1.908	0.045	1.863	1.585	4H	0	2.200	1.968	0.060	1.908	1.793	0.080	1.713
				6g	0.020	2.180	0.100	2.080	1.888	0.071	1.817	1.539	5H	0	2.200	1.983	0.075	1.908	1.813	0.100	1.713
													6H	0	2.200	2.003	0.095	1.908	1.838	0.125	1.713
2.5		0.35		4h	0	2.500	0.053	2.447	2.273	0.040	2.233	2.017	4H	0	2.500	2.326	0.053	2.273	2.184	0.063	2.121
				6g	0.019	2.481	0.085	2.396	2.254	0.063	2.191	1.975	5H	0	2.500	2.340	0.067	2.273	2.201	0.080	2.121
													6H	0	2.500	2.358	0.085	2.273	2.221	0.100	2.121
	0.45			4h	0	2.500	0.063	2.437	2.208	0.045	2.163	1.885	4H	0	2.500	2.268	0.060	2.208	2.093	0.080	2.013
				6g	0.020	2.480	0.100	2.380	2.188	0.071	2.117	1.839	5H	0	2.500	2.283	0.075	2.208	2.113	0.100	2.013
													6H	0	2.500	2.303	0.095	2.208	2.138	0.125	2.013
3		0.35		4h	0	3.000	0.053	2.947	2.773	0.042	2.731	2.515	4H	0	3.000	2.829	0.056	2.773	2.684	0.063	2.621
				6g	0.019	2.981	0.085	2.896	2.754	0.067	2.687	2.471	5H	0	3.000	2.844	0.071	2.773	2.701	0.080	2.621
													6H	0	3.000	2.863	0.090	2.773	2.721	0.100	2.621
	0.5			4h	0	3.000	0.067	2.933	2.675	0.048	2.627	2.319	5H	0	3.000	2.755	0.080	2.675	2.571	0.112	2.459
				6g	0.020	2.980	0.106	2.874	2.655	0.075	2.580	2.272	6H	0	3.000	2.775	0.100	2.675	2.599	0.140	2.459
													7H	0	3.000	2.800	0.125	2.675	2.639	0.180	2.459

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
3.5		0.35		4h	0	3.500	0.053	3.447	3.273	0.042	3.231	3.015	4H	0	3.500	3.329	0.056	3.273	3.184	0.063	3.121
				6g	0.019	3.481	0.085	3.396	3.254	0.067	3.187	2.971	5H	0	3.500	3.344	0.071	3.273	3.201	0.080	3.121
													6H	0	3.500	3.363	0.090	3.273	3.221	0.100	3.121
	0.6			4h	0	3.500	0.080	3.420	3.110	0.053	3.057	2.688	5H	0	3.500	3.200	0.090	3.110	2.975	0.125	2.850
				6g	0.021	3.479	0.125	3.354	3.089	0.085	3.004	2.635	6H	0	3.500	3.222	0.112	3.110	3.010	0.160	2.850
													7H	0	3.500	3.250	0.140	3.110	3.050	0.200	2.850
4		0.5		4h	0	4.000	0.067	3.933	3.675	0.048	3.627	3.319	5H	0	4.000	3.755	0.080	3.675	3.571	0.112	3.459
				6g	0.020	3.980	0.106	3.874	3.655	0.075	3.580	3.272	6H	0	4.000	3.775	0.100	3.675	3.599	0.140	3.459
													7H	0	4.000	3.800	0.125	3.675	3.639	0.180	3.459
	0.7			4h	0	4.000	0.090	3.910	3.545	0.056	3.489	3.058	5H	0	4.000	3.640	0.095	3.545	3.382	0.140	3.242
				6g	0.022	3.978	0.140	3.838	3.523	0.090	3.433	3.002	6H	0	4.000	3.663	0.118	3.545	3.422	0.180	3.242
													7H	0	4.000	3.695	0.150	3.545	3.466	0.224	3.242
4.5		0.5		4h	0	4.500	0.067	4.433	4.175	0.048	4.127	3.819	5H	0	4.500	4.255	0.080	4.175	4.071	0.112	3.959
				6g	0.020	4.480	0.106	4.374	4.155	0.075	4.080	3.772	6H	0	4.500	4.275	0.100	4.175	4.099	0.140	3.959
													7H	0	4.500	4.300	0.125	4.175	4.139	0.180	3.959
	0.75			4h	0	4.500	0.090	4.410	4.013	0.056	3.957	3.495	5H	0	4.500	4.108	0.095	4.013	3.838	0.150	3.688
				6g	0.022	4.478	0.140	4.338	3.991	0.090	3.901	3.439	6H	0	4.500	4.131	0.118	4.013	3.878	0.190	3.688
													7H	0	4.500	4.163	0.150	4.013	3.924	0.236	3.688
5		0.5		4h	0	5.000	0.067	4.933	4.675	0.048	4.627	4.319	5H	0	5.000	4.755	0.080	4.675	4.571	0.112	4.459
				6g	0.020	4.980	0.106	4.874	4.655	0.075	4.580	4.272	6H	0	5.000	4.775	0.100	4.675	4.599	0.140	4.459
													7H	0	5.000	4.800	0.125	4.675	4.639	0.180	4.459
	0.8			4h	0	5.000	0.095	4.905	4.480	0.060	4.420	3.927	5H	0	5.000	4.580	0.100	4.480	4.294	0.160	4.134
				6g	0.024	4.976	0.150	4.826	4.456	0.095	4.361	3.868	6H	0	5.000	4.605	0.125	4.480	4.334	0.200	4.134
													7H	0	5.000	4.640	0.160	4.480	4.384	0.250	4.134
5.5		0.5		4h	0	5.500	0.067	5.433	5.175	0.048	5.127	4.819	5H	0	5.500	5.255	0.080	5.175	5.071	0.112	4.959
				6g	0.020	5.480	0.106	5.374	5.155	0.075	5.080	4.772	6H	0	5.500	5.275	0.100	5.175	5.099	0.140	4.959
													7H	0	5.500	5.300	0.125	5.175	5.139	0.180	4.959

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
6		0.75		4h	0	6.000	0.090	5.910	5.513	0.063	5.450	4.988	5H	0	6.000	5.619	0.106	5.513	5.338	0.150	5.188
				6g	0.022	5.978	0.140	5.838	5.491	0.100	5.391	4.929	6H	0	6.000	5.645	0.132	5.513	5.378	0.190	5.188
													7H	0	6.000	5.683	0.170	5.513	5.424	0.236	5.188
	1			4h	0	6.000	0.112	5.888	5.350	0.071	5.279	4.663	5H	0	6.000	5.468	0.118	5.350	5.107	0.190	4.917
				6g	0.026	5.974	0.180	5.794	5.324	0.112	5.212	4.597	6H	0	6.000	5.500	0.150	5.350	5.153	0.236	4.917
				8g	0.026	5.974	0.280	5.694	5.324	0.180	5.144	4.528	7H	0	6.000	5.540	0.190	5.350	5.217	0.300	4.917
7		0.75		4h	0	7.000	0.090	6.910	6.513	0.063	6.450	5.988	5H	0	7.000	6.619	0.106	6.513	6.338	0.150	6.188
				6g	0.022	6.978	0.140	6.838	6.491	0.100	6.391	5.929	6H	0	7.000	6.645	0.132	6.513	6.378	0.190	6.188
													7H	0	7.000	6.683	0.170	6.513	6.424	0.236	6.188
	1			4h	0	7.000	0.112	6.888	6.350	0.071	6.279	5.663	5H	0	7.000	6.468	0.118	6.350	6.107	0.190	5.917
				6g	0.026	6.974	0.180	6.794	6.324	0.112	6.212	5.596	6H	0	7.000	6.500	0.150	6.350	6.153	0.236	5.917
				8g	0.026	6.974	0.280	6.694	6.324	0.180	6.144	5.528	7H	0	7.000	6.540	0.190	6.350	6.217	0.300	5.917
8			0.75	4h	0	8.000	0.090	7.910	7.513	0.063	7.450	6.988	5H	0	8.000	7.619	0.106	7.513	7.338	0.150	7.188
				6g	0.022	7.978	0.140	7.838	7.491	0.100	7.391	6.929	6H	0	8.000	7.645	0.132	7.513	7.378	0.190	7.188
													7H	0	8.000	7.683	0.170	7.513	7.424	0.236	7.188
		1		4h	0	8.000	0.112	7.888	7.350	0.071	7.279	6.663	5H	0	8.000	7.468	0.118	7.350	7.107	0.190	6.917
				6g	0.026	7.974	0.180	7.794	7.324	0.112	7.212	6.596	6H	0	8.000	7.500	0.150	7.350	7.153	0.236	6.917
				8g	0.026	7.974	0.280	7.694	7.324	0.180	7.144	6.528	7H	0	8.000	7.540	0.190	7.350	7.217	0.300	6.917
	1.25			4h	0	8.000	0.132	7.868	7.188	0.075	7.113	6.343	5H	0	8.000	7.313	0.125	7.188	6.859	0.212	6.647
				6g	0.028	7.972	0.212	7.760	7.160	0.118	7.042	6.272	6H	0	8.000	7.348	0.160	7.188	6.912	0.265	6.647
				8g	0.028	7.972	0.335	7.637	7.160	0.190	6.970	6.200	7H	0	8.000	7.388	0.200	7.188	6.982	0.335	6.647
9			0.75	4h	0	9.000	0.090	8.910	8.513	0.063	8.450	7.988	5H	0	9.000	8.619	0.106	8.513	8.338	0.150	8.188
				6g	0.022	8.978	0.140	8.838	8.491	0.100	8.391	7.929	6H	0	9.000	8.645	0.132	8.513	8.378	0.190	8.188
													7H	0	9.000	8.683	0.170	8.513	8.424	0.236	8.188
			1	4h	0	9.000	0.112	8.888	8.350	0.071	8.279	7.663	5H	0	9.000	8.468	0.118	8.350	8.107	0.190	7.917
				6g	0.026	8.974	0.180	8.794	8.324	0.112	8.212	7.596	6H	0	9.000	8.500	0.150	8.350	8.153	0.236	7.917
				8g	0.026	8.974	0.280	8.694	8.324	0.180	8.144	7.528	7H	0	9.000	8.540	0.190	8.350	8.217	0.300	7.917
	1.25			4h	0	9.000	0.132	8.868	8.188	0.075	8.113	7.343	5H	0	9.000	8.313	0.125	8.188	7.859	0.212	7.647
				6g	0.028	8.972	0.212	8.760	8.160	0.118	8.042	7.272	6H	0	9.000	8.348	0.160	8.188	7.912	0.265	7.647
				8g	0.028	8.972	0.335	8.637	8.160	0.190	7.970	7.200	7H	0	9.000	8.388	0.200	8.188	7.982	0.335	7.647

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
10			0.75	4h	0	10.000	0.090	9.910	9.513	0.063	9.450	8.988	5H	0	10.000	9.619	0.106	9.513	9.338	0.150	9.188
				6g	0.022	9.978	0.140	9.838	9.491	0.100	9.391	8.929	6H	0	10.000	9.645	0.132	9.513	9.378	0.190	9.188
													7H	0	10.000	9.683	0.170	9.513	9.424	0.236	9.188
			1	4h	0	10.000	0.112	9.888	9.350	0.071	9.279	8.663	5H	0	10.000	9.468	0.118	9.350	9.107	0.190	8.917
				6g	0.026	9.974	0.180	9.794	9.324	0.112	9.212	8.596	6H	0	10.000	9.500	0.150	9.350	9.153	0.236	8.917
				8g	0.026	9.974	0.280	9.694	9.324	0.180	9.144	8.528	7H	0	10.000	9.540	0.190	9.350	9.217	0.300	8.917
		1.25		4h	0	10.000	0.132	9.868	9.188	0.075	9.113	8.343	5H	0	10.000	9.313	0.125	9.188	8.859	0.212	8.647
				6g	0.028	9.972	0.212	9.760	9.160	0.118	9.042	8.272	6H	0	10.000	9.348	0.160	9.188	8.912	0.265	8.647
				8g	0.028	9.972	0.335	9.637	9.160	0.190	8.970	8.200	7H	0	10.000	9.388	0.200	9.188	8.982	0.335	8.647
	1.5			4h	0	10.000	0.150	9.850	9.026	0.085	8.941	8.018	5H	0	10.000	9.166	0.140	9.026	8.612	0.236	8.376
				6g	0.032	9.968	0.236	9.732	8.994	0.132	8.862	7.938	6H	0	10.000	9.206	0.180	9.026	8.676	0.300	8.376
				8g	0.032	9.968	0.375	9.593	8.994	0.212	8.782	7.858	7H	0	10.000	9.250	0.224	9.026	8.751	0.375	8.376
11			0.75	4h	0	11.000	0.090	10.910	10.513	0.063	10.450	9.988	5H	0	11.000	10.619	0.106	10.513	10.338	0.150	10.188
				6g	0.022	10.978	0.140	10.838	10.491	0.100	10.391	9.929	6H	0	11.000	10.645	0.132	10.513	10.378	0.190	10.188
													7H	0	11.000	10.683	0.170	10.513	10.424	0.236	10.188
			1	4h	0	11.000	0.112	10.888	10.350	0.071	10.279	9.663	5H	0	11.000	10.468	0.118	10.350	10.107	0.190	9.917
				6g	0.026	10.974	0.180	10.794	10.324	0.112	10.212	9.596	6H	0	11.000	10.500	0.150	10.350	10.153	0.236	9.917
				8g	0.026	10.974	0.280	10.694	10.324	0.180	10.144	9.528	7H	0	11.000	10.540	0.190	10.350	10.217	0.300	9.917
	1.5			4h	0	11.000	0.150	10.850	10.026	0.085	9.941	9.018	5H	0	11.000	10.166	0.140	10.026	9.612	0.236	9.376
				6g	0.032	10.968	0.236	10.732	9.994	0.132	9.862	8.938	6H	0	11.000	10.206	0.180	10.026	9.676	0.300	9.376
				8g	0.032	10.968	0.375	10.593	9.994	0.212	9.782	8.858	7H	0	11.000	10.250	0.224	10.026	9.751	0.375	9.376
12			1	4h	0	12.000	0.112	11.888	11.350	0.075	11.275	10.659	5H	0	12.000	11.475	0.125	11.350	11.107	0.190	10.917
				6g	0.026	11.974	0.180	11.794	11.324	0.118	11.206	10.590	6H	0	12.000	11.510	0.160	11.350	11.153	0.236	10.917
				8g	0.026	11.974	0.280	11.694	11.324	0.190	11.134	10.518	7H	0	12.000	11.550	0.200	11.350	11.217	0.300	10.917
				4h	0	12.000	0.132	11.868	11.188	0.085	11.103	10.333	5H	0	12.000	11.328	0.140	11.188	10.859	0.212	10.647
		1.25		6g	0.028	11.972	0.212	11.760	11.160	0.132	11.028	10.257	6H	0	12.000	11.368	0.180	11.188	10.912	0.265	10.647
				8g	0.028	11.972	0.335	11.637	11.160	0.212	10.948	10.177	7H	0	12.000	11.412	0.224	11.188	10.982	0.335	10.647
			1.5	4h	0	12.000	0.150	11.850	11.026	0.090	10.936	10.012	5H	0	12.000	11.176	0.150	11.026	10.612	0.236	10.376
				6g	0.032	11.968	0.236	11.732	10.994	0.140	10.854	9.930	6H	0	12.000	11.216	0.190	11.026	10.676	0.300	10.376
				8g	0.032	11.968	0.375	11.593	10.994	0.224	10.770	9.846	7H	0	12.000	11.262	0.236	11.026	10.751	0.375	10.376
	1.75			4h	0	12.000	0.170	11.830	10.863	0.095	10.768	9.692	5H	0	12.000	11.023	0.160	10.863	10.371	0.265	10.106
				6g	0.034	11.966	0.265	11.701	10.829	0.150	10.679	9.602	6H	0	12.000	11.063	0.200	10.863	10.441	0.335	10.106
				8g	0.034	11.966	0.425	11.541	10.829	0.236	10.593	9.516	7H	0	12.000	11.113	0.250	10.863	10.531	0.425	10.106

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
14			1	4h	0	14.000	0.112	13.888	13.350	0.075	13.275	12.659	5H	0	14.000	13.475	0.125	13.350	13.107	0.190	12.917
				6g	0.026	13.974	0.180	13.794	13.324	0.118	13.206	12.590	6H	0	14.000	13.510	0.160	13.350	13.153	0.236	12.917
				8g	0.026	13.974	0.280	13.694	13.324	0.190	13.134	12.518	7H	0	14.000	13.550	0.200	13.350	13.217	0.300	12.917
			1.25	4h	0	14.000	0.132	13.868	13.188	0.085	13.103	12.333	5H	0	14.000	13.328	0.140	13.188	12.859	0.212	12.647
				6g	0.028	13.972	0.212	13.760	13.160	0.132	13.028	12.257	6H	0	14.000	13.368	0.180	13.188	12.912	0.265	12.647
				8g	0.028	13.972	0.335	13.637	13.160	0.212	12.948	12.177	7H	0	14.000	13.412	0.224	13.188	12.982	0.335	12.647
		1.5		4h	0	14.000	0.150	13.850	13.026	0.090	12.936	12.012	5H	0	14.000	13.176	0.150	13.026	12.612	0.236	12.376
				6g	0.032	13.968	0.236	13.732	12.994	0.140	12.854	11.930	6H	0	14.000	13.216	0.190	13.026	12.676	0.300	12.376
				8g	0.032	13.968	0.375	13.593	12.994	0.224	12.770	11.846	7H	0	14.000	13.262	0.236	13.026	12.751	0.375	12.376
	2			4h	0	14.000	0.180	13.820	12.701	0.100	12.601	11.369	5H	0	14.000	12.871	0.170	12.701	12.135	0.300	11.835
				6g	0.038	13.962	0.280	13.682	12.663	0.160	12.503	11.271	6H	0	14.000	12.913	0.212	12.701	12.210	0.375	11.835
				8g	0.038	13.962	0.450	13.512	12.663	0.250	12.413	11.181	7H	0	14.000	12.966	0.265	12.701	12.310	0.475	11.835
15			1	4h	0	15.000	0.112	14.888	14.350	0.075	14.275	13.659	5H	0	15.000	14.475	0.125	14.350	14.107	0.190	13.917
				6g	0.026	14.974	0.180	14.794	14.324	0.118	14.206	13.590	6H	0	15.000	14.510	0.160	14.350	14.153	0.236	13.917
				8g	0.026	14.974	0.280	14.694	14.324	0.190	14.134	13.518	7H	0	15.000	14.550	0.200	14.350	14.217	0.300	13.917
			1.5	4h	0	15.000	0.150	14.850	14.026	0.090	13.936	13.012	5H	0	15.000	14.176	0.150	14.026	13.612	0.236	13.376
				6g	0.032	14.968	0.236	14.732	13.994	0.140	13.854	12.930	6H	0	15.000	14.216	0.190	14.026	13.676	0.300	13.376
				8g	0.032	14.968	0.375	14.593	13.994	0.224	13.770	12.846	7H	0	15.000	14.262	0.236	14.026	13.751	0.375	13.376
16			1	4h	0	16.000	0.112	15.888	15.350	0.075	15.275	14.659	5H	0	16.000	15.475	0.125	15.350	15.107	0.190	14.917
				6g	0.026	15.974	0.180	15.794	15.324	0.118	15.206	14.590	6H	0	16.000	15.510	0.160	15.350	15.153	0.236	14.917
				8g	0.026	15.974	0.280	15.694	15.324	0.190	15.134	14.518	7H	0	16.000	15.550	0.200	15.350	15.217	0.300	14.917
		1.5		4h	0	16.000	0.150	15.850	15.026	0.090	14.936	14.012	5H	0	16.000	15.176	0.150	15.026	14.612	0.236	14.376
				6g	0.032	15.968	0.236	15.732	14.994	0.140	14.854	13.930	6H	0	16.000	15.216	0.190	15.026	14.676	0.300	14.376
				8g	0.032	15.968	0.375	15.593	14.994	0.224	14.770	13.846	7H	0	16.000	15.262	0.236	15.026	14.751	0.375	14.376
	2			4h	0	16.000	0.180	15.820	14.701	0.100	14.601	13.369	5H	0	16.000	14.871	0.170	14.701	14.135	0.300	13.835
				6g	0.038	15.962	0.280	15.682	14.663	0.160	14.503	13.271	6H	0	16.000	14.913	0.212	14.701	14.210	0.375	13.835
				8g	0.038	15.962	0.450	15.512	14.663	0.250	14.413	13.181	7H	0	16.000	14.966	0.265	14.701	14.310	0.475	13.835
17			1	4h	0	17.000	0.112	16.888	16.350	0.075	16.275	15.659	5H	0	17.000	16.475	0.125	16.350	16.107	0.190	15.917
				6g	0.026	16.974	0.180	16.794	16.324	0.118	16.206	15.590	6H	0	17.000	16.510	0.160	16.350	16.153	0.236	15.917
				8g	0.026	16.974	0.280	16.694	16.324	0.190	16.134	15.518	7H	0	17.000	16.550	0.200	16.350	16.217	0.300	15.917
			1.5	4h	0	17.000	0.150	16.850	16.026	0.090	15.936	15.012	5H	0	17.000	16.176	0.150	16.026	15.612	0.236	15.376
				6g	0.032	16.968	0.236	16.732	15.994	0.140	15.854	14.930	6H	0	17.000	16.216	0.190	16.026	15.676	0.300	15.376
				8g	0.032	16.968	0.375	16.593	15.994	0.224	15.770	14.846	7H	0	17.000	16.262	0.236	16.026	15.751	0.375	15.376

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
18			1	4h	0	18.000	0.112	17.888	17.350	0.075	17.275	16.659	5H	0	18.000	17.475	0.125	17.350	17.107	0.190	16.917
				6g	0.026	17.974	0.180	17.794	17.324	0.118	17.206	16.590	6H	0	18.000	17.510	0.160	17.350	17.153	0.236	16.917
				8g	0.026	17.974	0.280	17.694	17.324	0.190	17.134	16.518	7H	0	18.000	17.550	0.200	17.350	17.217	0.300	16.917
		1.5		4h	0	18.000	0.150	17.850	17.026	0.090	16.936	16.012	5H	0	18.000	17.176	0.150	17.026	16.612	0.236	16.376
				6g	0.032	17.968	0.236	17.732	16.994	0.140	16.854	15.930	6H	0	18.000	17.216	0.190	17.026	16.676	0.300	16.376
				8g	0.032	17.968	0.375	17.593	16.994	0.224	16.770	15.846	7H	0	18.000	17.262	0.236	17.026	16.751	0.375	16.376
			2	4h	0	18.000	0.180	17.820	16.701	0.100	16.601	15.369	5H	0	18.000	16.871	0.170	16.701	16.135	0.300	15.835
				6g	0.038	17.962	0.280	17.682	16.663	0.160	16.503	15.271	6H	0	18.000	16.913	0.212	16.701	16.210	0.375	15.835
				8g	0.038	17.962	0.450	17.512	16.663	0.250	16.413	15.181	7H	0	18.000	16.966	0.265	16.701	16.310	0.475	15.835
	2.5			4h	0	18.000	0.212	17.788	16.376	0.106	16.270	14.730	5H	0	18.000	16.556	0.180	16.376	15.649	0.355	15.294
				6g	0.042	17.958	0.335	17.623	16.334	0.170	16.164	14.624	6H	0	18.000	16.600	0.224	16.376	15.744	0.450	15.294
				8g	0.042	17.958	0.530	17.428	16.334	0.265	16.069	14.529	7H	0	18.000	16.656	0.280	16.376	15.854	0.560	15.294
20			1	4h	0	20.000	0.112	19.888	19.350	0.075	19.275	18.659	5H	0	20.000	19.475	0.125	19.350	19.107	0.190	18.917
				6g	0.026	19.974	0.180	19.794	19.324	0.118	19.206	18.590	6H	0	20.000	19.510	0.160	19.350	19.153	0.236	18.917
				8g	0.026	19.974	0.280	19.694	19.324	0.190	19.134	18.518	7H	0	20.000	19.550	0.200	19.350	19.217	0.300	18.917
		1.5		4h	0	20.000	0.150	19.850	19.026	0.090	18.936	18.012	5H	0	20.000	19.176	0.150	19.026	18.612	0.236	18.376
				6g	0.032	19.968	0.236	19.732	18.994	0.140	18.854	17.930	6H	0	20.000	19.216	0.190	19.026	18.676	0.300	18.376
				8g	0.032	19.968	0.375	19.593	18.994	0.224	18.770	17.846	7H	0	20.000	19.262	0.236	19.026	18.751	0.375	18.376
			2	4h	0	20.000	0.180	19.820	18.701	0.100	18.601	17.369	5H	0	20.000	18.871	0.170	18.701	18.135	0.300	17.835
				6g	0.038	19.962	0.280	19.682	18.663	0.160	18.503	17.271	6H	0	20.000	18.913	0.212	18.701	18.210	0.375	17.835
				8g	0.038	19.962	0.450	19.512	18.663	0.250	18.413	17.181	7H	0	20.000	18.966	0.265	18.701	18.310	0.475	17.835
	2.5			4h	0	20.000	0.212	19.788	18.376	0.106	18.270	16.730	5H	0	20.000	18.556	0.180	18.376	17.649	0.355	17.294
				6g	0.042	19.958	0.335	19.623	18.334	0.170	18.164	16.624	6H	0	20.000	18.600	0.224	18.376	17.744	0.450	17.294
				8g	0.042	19.958	0.530	19.428	18.334	0.265	18.069	16.529	7H	0	20.000	18.656	0.280	18.376	17.854	0.560	17.294

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
22			1	4h	0	22.000	0.112	21.888	21.350	0.075	21.275	20.659	5H	0	22.000	21.475	0.125	21.350	21.107	0.190	20.917
				6g	0.026	21.974	0.180	21.794	21.324	0.118	21.206	20.590	6H	0	22.000	21.510	0.160	21.350	21.153	0.236	20.917
				8g	0.026	21.974	0.280	21.694	21.324	0.190	21.134	20.518	7H	0	22.000	21.550	0.200	21.350	21.217	0.300	20.917
		1.5		4h	0	22.000	0.150	21.850	21.026	0.090	20.936	20.012	5H	0	22.000	21.176	0.150	21.026	20.612	0.236	20.376
				6g	0.032	21.968	0.236	21.732	20.994	0.140	20.854	19.930	6H	0	22.000	21.216	0.190	21.026	20.676	0.300	20.376
				8g	0.032	21.968	0.375	21.593	20.994	0.224	20.770	19.846	7H	0	22.000	21.262	0.236	21.026	20.751	0.375	20.376
			2	4h	0	22.000	0.180	21.820	20.701	0.100	20.601	19.369	5H	0	22.000	20.871	0.170	20.701	20.135	0.300	19.835
				6g	0.038	21.962	0.280	21.682	20.663	0.160	20.503	19.271	6H	0	22.000	20.913	0.212	20.701	20.210	0.375	19.835
				8g	0.038	21.962	0.450	21.512	20.663	0.250	20.413	19.181	7H	0	22.000	20. 966	0.265	20.701	20.310	0.475	19.835
	2.5			4h	0	22.000	0.212	21.788	20.376	0.106	20.270	18.730	5H	0	22.000	20.556	0.180	20.376	19.649	0.335	19.294
				6g	0.042	21.958	0.335	21.623	20.334	0.170	20.164	18.624	6H	0	22.000	20.600	0.224	20.376	19.744	0.450	19.294
				8g	0.042	21.958	0.530	21.428	20.334	0.265	20.069	18.529	7H	0	22.000	20.656	0.280	20.376	19.854	0.560	19.294
24			1	4h	0	24.000	0.112	23.888	23.350	0.080	23.270	22.654	5H	0	24.000	23.482	0.132	23.350	23.107	0.190	22.917
				6g	0.026	23.974	0.180	23.794	23.324	0.125	23.199	22.583	6H	0	24.000	23.520	0.170	23.350	23.153	0.236	22.917
				8g	0.026	23.974	0.280	23.694	23.324	0.200	23.124	22.508	7H	0	24.000	23.562	0.212	23.350	23.217	0.300	22.917
			1.5	4h	0	24.000	0.150	23.850	23.026	0.095	22.931	22.007	5H	0	24.000	23.186	0.160	23.026	22.612	0.236	22.376
				6g	0.032	23.968	0.236	23.732	22.994	0.150	22.844	21.920	6H	0	24.000	23.226	0.200	23.026	22.676	0.300	22.376
				8g	0.032	23.968	0.375	23.593	22.994	0.236	22.758	21.834	7H	0	24.000	23.276	0.250	23.026	22.751	0.375	22.376
		2		4h	0	24.000	0.180	23.820	22.701	0.106	22.595	21.363	5H	0	24.000	22.881	0.180	22.701	22.135	0.300	21.835
				6g	0.038	23.962	0.280	23.682	22.663	0.170	22.493	21.261	6H	0	24.000	22.925	0.224	22.701	22.210	0.375	21.835
				8g	0.038	23.962	0.450	23.512	22.663	0.265	22.398	21.166	7H	0	24.000	22.981	0.280	22.701	22.310	0.475	21.835
	3			4h	0	24.000	0.236	23.764	22.051	0.125	21.926	20.078	5H	0	24.000	22.263	0.212	22.051	21.152	0.400	20.752
				6g	0.048	23.952	0.375	23.577	22.003	0.200	21.803	19.955	6H	0	24.000	22.316	0.265	22.051	21.252	0.500	20.752
				8g	0.048	23.952	0.600	23.352	22.003	0.315	21.688	19.840	7H	0	24.000	22.386	0.335	22.051	21.382	0.630	20.752
25			1	4h	0	25.000	0.112	24.888	24.350	0.080	24.270	23.654	5H	0	25.000	24.482	0.132	24.350	24.107	0.190	23.917
				6g	0.026	24.974	0.180	24.794	24.324	0.125	24.199	23.583	6H	0	25.000	24.520	0.170	24.350	24.153	0.236	23.917
				8g	0.026	24.974	0.280	24.694	24.324	0.200	24.124	23.508	7H	0	25.000	24.562	0.212	24.350	24.217	0.300	23.917
			1.5	4h	0	25.000	0.150	24.850	24.026	0.095	23.931	23.007	5H	0	25.000	24.186	0.160	24.026	23.612	0.236	23.376
				6g	0.032	24.968	0.236	24.732	23.994	0.150	23.844	22.920	6H	0	25.000	24.226	0.200	24.026	23.676	0.300	23.376
				8g	0.032	24.968	0.375	24.593	23.994	0.236	23.758	22.834	7H	0	25.000	24.276	0.250	24.026	23.751	0.375	23.376
			2	4h	0	25.000	0.180	24.820	23.701	0.106	23.595	22.363	5H	0	25.000	23.881	0.180	23.701	23.135	0.300	22.835
				6g	0.038	24.962	0.280	24.682	23.663	0.170	23.493	22.261	6H	0	25.000	23.925	0.224	23.701	23.210	0.375	22.835
				8g	0.038	24.962	0.450	24.512	23.663	0.265	23.398	22.166	7H	0	25.000	23.981	0.280	23.701	23.310	0.475	22.835

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
26			1.5	4h	0	26.000	0.150	25.850	25.026	0.095	24.931	24.007	5H	0	26.000	25.186	0.160	25.026	24.612	0.236	24.376
				6g	0.032	25.968	0.236	25.732	24.994	0.150	24.844	23.920	6H	0	26.000	25.226	0.200	25.026	24.676	0.300	24.376
				8g	0.032	25.968	0.375	25.593	24.994	0.236	24.758	23.834	7H	0	26.000	25.276	0.250	25.026	24.751	0.375	24.376
27			1	4h	0	27.000	0.112	26.888	26.350	0.080	26.270	25.654	5H	0	27.000	26.482	0.132	26.350	26.107	0.190	25.917
				6g	0.026	26.974	0.180	26.794	26.324	0.125	26.199	25.583	6H	0	27.000	26.520	0.170	26.350	26.153	0.236	25.917
				8g	0.026	26.974	0.280	26.694	26.324	0.200	26.124	25.508	7H	0	27.000	26.562	0.212	26.350	26.217	0.300	25.917
			1.5	4h	0	27.000	0.150	26.850	26.026	0.095	25.931	25.007	5H	0	27.000	26.186	0.160	26.026	25.612	0.236	25.376
				6g	0.032	26.968	0.236	26.732	25.994	0.150	25.844	24.920	6H	0	27.000	26.226	0.200	26.026	25.676	0.300	25.376
				8g	0.032	26.968	0.375	26.593	25.994	0.236	25.758	24.834	7H	0	27.000	26.276	0.250	26.026	25.751	0.375	25.376
		2		4h	0	27.000	0.180	26.820	25.701	0.106	25.595	24.363	5H	0	27.000	25.881	0.180	25.701	25.135	0.300	24.835
				6g	0.038	26.962	0.280	26.682	25.663	0.170	25.493	24.261	6H	0	27.000	25.925	0.224	25.701	25.210	0.375	24.835
				8g	0.038	26.962	0.450	26.512	25.663	0.265	25.398	24.166	7H	0	27.000	25.981	0.280	25.701	25.310	0.475	24.835
	3			4h	0	27.000	0.236	26.764	25.051	0.125	24.926	23.078	5H	0	27.000	25.263	0.212	25.051	24.152	0.400	23.752
				6g	0.048	26.952	0.375	26.577	25.003	0.200	24.803	22.955	6H	0	27.000	25.316	0.265	25.051	24.252	0.500	23.752
				8g	0.048	26.952	0.600	26.352	25.003	0.315	24.688	22.840	7H	0	27.000	25.386	0.335	25.051	24.382	0.630	23.752
28			1	4h	0	28.000	0.112	27.888	27.350	0.080	27.270	26.654	5H	0	28.000	27.482	0.132	27.350	27.107	0.190	26.917
				6g	0.026	27.974	0.180	27.794	27.324	0.125	27.199	26.583	6H	0	28.000	27.520	0.170	27.350	27.153	0.236	26.917
				8g	0.026	27.974	0.280	27.694	27.324	0.200	27.124	26.508	7H	0	28.000	27.562	0.212	27.350	27.217	0.300	26.917
			1.5	4h	0	28.000	0.150	27.850	27.026	0.095	26.931	26.007	5H	0	28.000	27.186	0.160	27.026	26.612	0.236	26.376
				6g	0.032	27.968	0.236	27.732	26.994	0.150	26.844	25.920	6H	0	28.000	27.226	0.200	27.026	26.676	0.300	26.376
				8g	0.032	27.968	0.375	27.593	26.994	0.236	26.758	25.834	7H	0	28.000	27.276	0.250	27.026	26.751	0.375	26.376
			2	4h	0	28.000	0.180	27.820	26.701	0.106	26.595	25.363	5H	0	28.000	26.881	0.180	26.701	26.135	0.300	25.835
				6g	0.038	27.962	0.280	27.682	26.663	0.170	26.493	25.261	6H	0	28.000	26.925	0.224	26.701	26.210	0.375	25.835
				8g	0.038	27.962	0.450	27.512	26.663	0.265	26.390	25.166	7H	0	28.000	26.981	0.280	26.701	26.310	0.475	25.835

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
30			1	4h	0	30.000	0.112	29.888	29.350	0.080	29.270	28.654	5H	0	30.000	29.482	0.132	29.350	29.107	0.190	28.917
				6g	0.026	29.974	0.180	29.794	29.324	0.125	29.199	28.583	6H	0	30.000	29.520	0.170	29.350	29.153	0.236	28.917
				8g	0.026	29.974	0.280	29.694	29.324	0.200	29.124	28.508	7H	0	30.000	29.562	0.212	29.350	29.217	0.300	28.917
			1.5	4h	0	30.000	0.150	29.850	29.026	0.095	28.931	28.007	5H	0	30.000	29.186	0.160	29.026	28.612	0.236	28.376
				6g	0.032	29.968	0.236	29.732	28.994	0.150	28.844	27.920	6H	0	30.000	29.226	0.200	29.026	28.676	0.300	28.376
				8g	0.032	29.968	0.375	29.593	28.994	0.236	28.758	27.834	7H	0	30.000	29.276	0.250	29.026	28.751	0.375	28.376
		2		4h	0	30.000	0.180	29.820	28.701	0.106	28.595	27.363	5H	0	30.000	28.881	0.180	28.701	28.135	0.300	27.835
				6g	0.038	29.962	0.280	29.682	28.663	0.170	28.493	27.261	6H	0	30.000	28.925	0.224	28.701	28.210	0.375	27.835
				8g	0.038	29.962	0.450	29.512	28.663	0.265	28.398	27.166	7H	0	30.000	28.981	0.280	28.701	28.310	0.475	27.835
			3	4h	0	30.000	0.236	29.764	28.051	0.125	27.926	26.078	5H	0	30.000	28.263	0.212	28.051	27.152	0.400	26.752
				6g	0.048	29.952	0.375	29.577	28.003	0.200	27.803	25.955	6H	0	30.000	28.316	0.265	28.051	27.252	0.500	26.752
				8g	0.048	29.952	0.600	29.352	28.003	0.315	27.688	25.840	7H	0	30.000	28.386	0.335	28.051	27.382	0.630	26.752
	3.5			4h	0	30.000	0.265	29.735	27.727	0.132	27.595	25.438	5H	0	30.000	27.951	0.224	27.727	26.661	0.450	26.211
				6g	0.053	29.947	0.425	29.522	27.674	0.212	27.462	25.305	6H	0	30.000	28.007	0.280	27.727	26.771	0.560	26.211
				8g	0.053	29.947	0.670	29.277	27.674	0.335	27.339	25.182	7H	0	30.000	28.082	0.355	27.727	26.921	0.710	26.211
32			1.5	4h	0	32.000	0.150	31.850	31.026	0.095	30.931	30.007	5H	0	32.000	31.186	0.160	31.026	30.612	0.236	30.376
				6g	0.032	31.968	0.236	31.732	30.994	0.150	30.844	29.920	6H	0	32.000	31.226	0.200	31.026	30.676	0.300	30.376
				8g	0.032	31.968	0.375	31.593	30.994	0.236	30.758	29.834	7H	0	32.000	31.276	0.250	31.026	30.751	0.375	30.376
			2	4h	0	32.000	0.180	31.820	30.701	0.106	30.595	29.363	5H	0	32.000	30.881	0.180	30.701	30.135	0.300	29.835
				6g	0.038	31.962	0.280	31.682	30.663	0.170	30.493	29.261	6H	0	32.000	30.925	0.224	30.701	30.210	0.375	29.835
				8g	0.038	31.962	0.450	31.512	30.663	0.265	30.398	29.166	7H	0	32.000	30.981	0.280	30.701	30.310	0.475	29.835
33			1.5	4h	0	33.000	0.150	32.850	32.026	0.095	31.931	31.007	5H	0	33.000	32.186	0.160	32.026	31.612	0.236	31.376
				6g	0.032	32.968	0.236	32.732	31.994	0.150	31.844	30.920	6H	0	33.000	32.226	0.200	32.026	31.676	0.300	31.376
				8g	0.032	32.968	0.375	32.593	31.994	0.236	31.758	30.834	7H	0	33.000	32.276	0.250	32.026	31.751	0.375	31.376
		2		4h	0	33.000	0.180	32.820	31.701	0.106	31.595	30.363	5H	0	33.000	31.881	0.180	31.701	31.135	0.300	30.835
				6g	0.038	32.962	0.280	32.682	31.663	0.170	31.493	30.261	6H	0	33.000	31.925	0.224	31.701	31.210	0.375	30.835
				8g	0.038	32.962	0.450	32.512	31.663	0.265	31.398	30.166	7H	0	33.000	31.981	0.280	31.701	31.310	0.475	30.835
			3	4h	0	33.000	0.236	32.764	31.051	0.125	30.926	29.078	5H	0	33.000	31.263	0.212	31.051	31.152	0.400	29.752
				6g	0.048	32.952	0.375	32.577	31.003	0.200	30.803	28.955	6H	0	33.000	31.316	0.265	31.051	30.252	0.500	29.752
				8g	0.048	32.952	0.600	32.352	31.003	0.315	30.688	28.840	7H	0	33.000	31.386	0.335	31.051	30.382	0.630	29.752
	3.5			4h	0	33.000	0.265	32.735	30.727	0.132	30.595	28.438	5H	0	33.000	30.951	0.224	30.727	29.661	0.450	29.211
				6g	0.053	32.947	0.425	32.522	30.674	0.212	30.462	28.305	6H	0	33.000	31.007	0.280	30.727	29.771	0.560	29.211
				8g	0.053	32.947	0.670	32.277	30.674	0.335	30.339	28.182	7H	0	33.000	31.082	0.355	30.727	29.921	0.710	29.211

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
35			1.5	4h	0	35.000	0.150	34.850	34.026	0.095	33.931	33.007	5H	0	35.000	34.186	0.160	34.026	33.612	0.236	33.376
				6g	0.032	34.968	0.236	34.732	33.994	0.150	33.844	32.920	6H	0	35.000	34.226	0.200	34.026	33.676	0.300	33.376
				8g	0.032	34.968	0.375	34.593	33.994	0.236	33.758	32.834	7H	0	35.000	34.276	0.250	34.026	33.751	0.375	33.376
36			1.5	4h	0	36.000	0.150	35.850	35.026	0.095	34.931	34.007	5H	0	36.000	35.186	0.160	35.026	34.612	0.236	34.376
				6g	0.032	35.968	0.236	35.732	34.994	0.150	34.844	33.920	6H	0	36.000	35.226	0.200	35.026	34.676	0.300	34.376
				8g	0.032	35.968	0.375	35.593	34.994	0.236	34.758	33.834	7H	0	36.000	35.276	0.250	35.026	34.751	0.375	34.376
			2	4h	0	36.000	0.180	35.820	34.701	0.106	34.595	33.363	5H	0	36.000	34.881	0.180	34.701	34.135	0.300	33.835
				6g	0.038	35.962	0.280	35.682	34.663	0.170	34.493	33.261	6H	0	36.000	34.925	0.224	34.701	34.210	0.375	33.835
				8g	0.038	35.962	0.450	35.512	34.663	0.265	34.398	33.166	7H	0	36.000	34.981	0.280	34.701	34.310	0.475	33.835
			3	4h	0	36.000	0.236	35.764	34.051	0.125	33.926	32.078	5H	0	36.000	34.263	0.212	34.051	33.152	0.400	32.752
				6g	0.048	35.952	0.375	35.577	34.003	0.200	33.803	31.955	6H	0	36.000	34.316	0.265	34.051	33.252	0.500	32.752
				8g	0.048	35.952	0.600	35.352	34.003	0.315	33.688	31.840	7H	0	36.000	34.386	0.335	34.051	33.382	0.630	32.752
	4			4h	0	36.000	0.300	35.700	33.402	0.140	33.262	30.798	5H	0	36.000	33.638	0.236	33.402	32.145	0.475	31.670
				6g	0.060	35.940	0.475	35.465	33.342	0.224	33.118	30.654	6H	0	36.000	33.702	0.300	33.402	32.270	0.600	31.670
				8g	0.060	35.940	0.750	35.190	33.342	0.355	32.987	30.523	7H	0	36.000	33.777	0.375	33.402	32.420	0.750	31.670
38			1.5	4h	0	38.000	0.150	37.850	37.026	0.095	36.931	36.007	5H	0	38.000	37.186	0.160	37.026	33.612	0.236	36.376
				6g	0.032	37.968	0.236	37.732	36.994	0.150	36.844	35.920	6H	0	38.000	37.226	0.200	37.026	36.676	0.300	36.376
				8g	0.032	37.968	0.376	37.593	36.994	0.236	36.758	35.834	7H	0	38.000	37.276	0.250	37.026	36.751	0.375	36.376
39			1.5	4h	0	39.000	0.150	38.850	38.026	0.095	37.931	37.007	5H	0	39.000	38.186	0.160	38.026	37.612	0.236	37.376
				6g	0.032	38.968	0.263	38.732	37.994	0.150	37.844	36.920	6H	0	39.000	38.226	0.200	38.026	37.676	0.300	37.376
				8g	0.032	38.968	0.375	37.593	37.994	0.236	37.758	36.834	7H	0	39.000	38.276	0.250	38.026	37.751	0.375	37.376
			2	4h	0	39.000	0.180	38.820	37.701	0.106	37.595	36.363	5H	0	39.000	37.881	0.180	37.701	37.135	0.300	36.835
				6g	0.038	38.962	0.280	38.682	37.663	0.170	37.493	36.261	6H	0	39.000	37.925	0.224	37.701	37.210	0.375	36.835
				8g	0.038	38.962	0.450	38.512	37.663	0.265	37.398	36.166	7H	0	39.000	37.981	0.280	37.701	37.310	0.475	36.835
			3	4h	0	39.000	0.236	38.764	37.051	0.125	36.926	35.078	5H	0	39.000	37.263	0.212	37.051	36.152	0.400	35.752
				6g	0.048	38.952	0.375	38.577	37.003	0.200	36.803	34.955	6H	0	39.000	37.316	0.265	37.051	36.252	0.500	35.752
				8g	0.048	38.952	0.600	38.352	37.003	0.315	36.688	34.840	7H	0	39.000	37.386	0.335	37.051	36.382	0.630	35.752
	4			4h	0	39.000	0.300	38.700	36.402	0.140	36.262	33.798	5H	0	39.000	36.638	0.236	36.402	35.145	0.475	34.670
				6g	0.060	38.940	0.475	38.465	36.342	0.224	36.118	33.654	6H	0	39.000	36.702	0.300	36.402	35.270	0.600	34.670
				8g	0.060	38.940	0.750	38.190	36.342	0.355	35.987	33.523	7H	0	39.000	36.777	0.375	36.402	35.420	0.750	34.670

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
40			1.5	4h	0	40.000	0.150	39.850	39.026	0.095	38.931	38.007	5H	0	40.000	39.186	0.160	39.026	38.612	0.236	38.376
				6g	0.032	39.968	0.236	39.732	38.994	0.150	38.844	37.920	6H	0	40.000	39.226	0.200	39.026	38.676	0.300	38.376
				8g	0.032	39.968	0.375	39.593	38.994	0.236	38.758	37.834	7H	0	40.000	39.276	0.250	39.026	38.751	0.375	38.376
			2	4h	0	40.000	0.180	39.820	38.701	0.106	38.595	37.363	5H	0	40.000	38.881	0.180	38.701	38.135	0.300	37.835
				6g	0.038	39.962	0.280	39.682	38.663	0.170	38.493	37.261	6H	0	40.000	38.925	0.224	38.701	38.210	0.375	37.835
				8g	0.038	39.962	0.450	39.512	38.663	0.265	38.398	37.166	7H	0	40.000	38.981	0.280	38.701	38.310	0.475	37.835
			3	4h	0	40.000	0.236	39.764	38.051	0.125	37.926	36.078	5H	0	40.000	38.263	0.212	38.051	37.152	0.400	36.752
				6g	0.048	39.952	0.375	39.577	38.003	0.200	37.803	35.955	6H	0	40.000	38.316	0.265	38.051	37.252	0.500	36.752
				8g	0.048	39.952	0.600	39.352	38.003	0.315	37.688	35.840	7H	0	40.000	38.386	0.335	38.051	37.382	0.630	36.752
42			1.5	4h	0	42.000	0.150	41.850	41.026	0.095	40.931	40.007	5H	0	42.000	41.186	0.160	41.026	40.612	0.236	40.376
				6g	0.032	41.968	0.236	41.732	40.994	0.150	40.844	39.920	6H	0	42.000	41.226	0.200	41.026	40.676	0.300	40.376
				8g	0.032	41.968	0.375	41.593	40.994	0.236	40.758	39.834	7H	0	42.000	41.276	0.250	41.026	40.751	0.375	40.376
			2	4h	0	42.000	0.180	41.820	40.701	0.106	40.595	39.363	5H	0	42.000	40.881	0.180	40.701	40.135	0.300	39.835
				6g	0.038	41.962	0.280	41.682	40.663	0.170	40.493	39.261	6H	0	42.000	40.925	0.224	40.701	40.210	0.375	39.835
				8g	0.038	41.962	0.450	41.512	40.663	0.265	40.398	39.166	7H	0	42.000	40.981	0.280	40.701	40.310	0.475	39.835
			3	4h	0	42.000	0.236	41.764	40.051	0.125	39.926	38.078	5H	0	42.000	40.263	0.212	40.051	39.152	0.400	38.752
				6g	0.048	41.952	0.375	41.577	40.003	0.200	39.803	37.955	6H	0	42.000	40.316	0.265	40.051	39.252	0.500	38.752
				8g	0.048	41.952	0.600	41.352	40.003	0.315	39.688	37.840	7H	0	42.000	40.386	0.335	40.051	39.382	0.630	38.752
			4	4h	0	42.000	0.300	41.700	39.402	0.140	39.262	36.798	5H	0	42.000	39.638	0.236	39.402	38.145	0.475	37.670
				6g	0.060	41.940	0.475	41.465	39.342	0.224	39.118	36.654	6H	0	42.000	39.702	0.300	39.402	38.270	0.600	37.670
				8g	0.060	41.940	0.750	41.190	39.342	0.355	38.987	36.523	7H	0	42.000	39.777	0.375	39.402	38.420	0.750	37.670
	4.5			4h	0	42.000	0.315	41.685	39.077	0.150	38.927	36.155	5H	0	42.000	39.327	0.250	39.077	37.659	0.530	37.129
				6g	0.063	41.937	0.500	41.437	39.014	0.236	38.778	36.006	6H	0	42.000	39.392	0.315	39.077	37.799	0.670	37.129
				8g	0.063	41.937	0.800	41.137	39.014	0.375	38.639	35.867	7H	0	42.000	39.477	0.400	39.077	37.979	0.850	37.129

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
45			1.5	4h	0	45.000	0.150	44.850	44.026	0.095	43.931	43.007	5H	0	45.000	44.186	0.160	44.026	43.612	0.236	43.376
				6g	0.032	44.968	0.236	44.732	43.994	0.150	43.844	42.920	6H	0	45.000	44.226	0.200	44.026	43.676	0.300	43.376
				8g	0.032	44.968	0.375	44.593	43.994	0.236	43.758	42.834	7H	0	45.000	44.276	0.250	44.026	43.751	0.375	43.376
			2.0	4h	0	45.000	0.180	44.820	43.701	0.106	43.595	42.363	5H	0	45.000	43.881	0.180	43.701	43.135	0.300	42.835
				6g	0.038	44.962	0.280	44.682	43.663	0.170	43.493	42.261	6H	0	45.000	43.925	0.224	43.701	43.210	0.375	42.835
				8g	0.038	44.962	0.450	44.512	43.663	0.265	43.398	42.166	7H	0	45.000	43.981	0.280	43.701	43.310	0.475	42.835
			3.0	4h	0	45.000	0.236	44.764	43.051	0.125	42.926	41.078	5H	0	45.000	43.263	0.212	43.051	42.152	0.400	41.752
				6g	0.048	44.952	0.375	44.577	43.003	0.200	42.803	40.955	6H	0	45.000	43.316	0.265	43.051	42.252	0.500	41.752
				8g	0.048	44.952	0.600	44.352	43.003	0.315	42.688	40.840	7H	0	45.000	43.386	0.335	43.051	42.382	0.630	41.752
			4.0	4h	0	45.000	0.300	44.700	42.402	0.140	42.262	39.798	5H	0	45.000	42.638	0.236	42.402	41.145	0.475	40.670
				6g	0.060	44.940	0.475	44.465	42.342	0.224	42.118	39.654	6H	0	45.000	42.702	0.300	42.402	41.270	0.600	40.670
				8g	0.060	44.940	0.750	44.190	42.342	0.355	41.987	39.523	7H	0	45.000	42.777	0.375	42.402	41.420	0.750	40.670
	4.5			4h	0	45.000	0.315	44.685	42.077	0.150	41.927	39.155	5H	0	45.000	42.327	0.250	42.077	40.659	0.530	40.129
				6g	0.063	44.937	0.500	44.437	42.014	0.236	41.778	39.006	6H	0	45.000	42.392	0.315	42.077	40.799	0.670	40.129
				8g	0.063	44.937	0.800	44.137	42.014	0.375	41.639	38.867	7H	0	45.000	42.477	0.400	42.077	40.979	0.850	40.129
48			1.5	4h	0	48.000	0.150	47.850	47.026	0.100	46.926	46.002	5H	0	48.000	47.196	0.170	47.026	46.612	0.236	46.376
				6g	0.032	47.968	0.236	47.732	46.994	0.160	46.834	45.910	6H	0	48.000	47.238	0.212	47.026	46.676	0.300	46.376
				8g	0.032	47.968	0.375	47.593	46.994	0.250	46.744	45.820	7H	0	48.000	47.291	0.265	47.026	46.751	0.375	46.376
			2.0	4h	0	48.000	0.180	47.820	46.701	0.112	46.589	45.357	5H	0	48.000	46.891	0.190	46.701	46.135	0.300	45.835
				6g	0.038	47.962	0.280	47.682	46.663	0.180	46.483	45.251	6H	0	48.000	46.937	0.236	46.701	46.210	0.375	45.835
				8g	0.038	47.962	0.450	47.512	46.663	0.280	46.383	45.151	7H	0	48.000	47.001	0.300	46.701	46.310	0.475	45.835
			3.0	4h	0	48.000	0.236	47.764	46.051	0.132	45.919	44.071	5H	0	48.000	46.275	0.224	46.051	45.152	0.400	44.752
				6g	0.048	47.952	0.375	47.577	46.003	0.212	45.791	43.943	6H	0	48.000	46.331	0.280	46.051	45.252	0.500	44.752
				8g	0.048	47.952	0.600	47.352	46.003	0.335	45.668	43.820	7H	0	48.000	46.406	0.355	46.051	45.382	0.630	44.752
			4.0	4h	0	48.000	0.300	47.700	45.402	0.150	45.252	42.788	5H	0	48.000	45.652	0.250	45.402	44.145	0.475	43.670
				6g	0.060	47.940	0.475	47.465	45.342	0.236	45.106	42.642	6H	0	48.000	45.717	0.315	45.402	44.270	0.600	43.670
				8g	0.060	47.940	0.750	47.190	45.342	0.375	44.967	42.503	7H	0	48.000	45.802	0.400	45.402	44.420	0.750	43.670
	5.0			4h	0	48.000	0.335	47.665	44.752	0.160	44.592	41.512	5H	0	48.000	45.017	0.265	44.752	43.147	0.560	42.587
				6g	0.071	47.929	0.530	47.399	44.681	0.250	44.431	41.351	6H	0	48.000	45.087	0.335	44.752	43.297	0.710	42.587
				8g	0.071	47.929	0.850	47.079	44.681	0.400	44.281	41.201	7H	0	48.000	45.177	0.425	44.752	43.487	0.900	42.587

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
50			1.5	4h	0	50.000	0.150	49.850	49.026	0.100	48.926	48.002	5H	0	50.000	49.196	0.170	49.026	48.612	0.236	48.376
				6g	0.032	49.968	0.236	49.732	48.994	0.160	48.834	47.910	6H	0	50.000	49.238	0.212	49.026	48.676	0.300	48.376
				8g	0.032	49.968	0.375	49.593	48.994	0.250	48.744	47.820	7H	0	50.000	49.291	0.265	49.026	48.751	0.375	48.376
			2.0	4h	0	50.000	0.180	49.820	48.701	0.112	48.589	47.357	5H	0	50.000	48.891	0.190	48.701	48.135	0.300	47.835
				6g	0.038	49.962	0.280	49.682	48.663	0.180	48.483	47.251	6H	0	50.000	48.937	0.236	48.701	48.210	0.375	47.835
				8g	0.038	49.962	0.450	49.512	48.663	0.280	48.383	47.151	7H	0	50.000	49.001	0.300	48.701	48.310	0.475	47.835
			3.0	4h	0	50.000	0.236	49.764	48.051	0.132	47.919	46.071	5H	0	50.000	48.275	0.224	48.051	47.152	0.400	46.752
				6g	0.048	49.952	0.375	49.577	48.003	0.212	47.791	45.943	6H	0	50.000	48.331	0.280	48.051	47.252	0.500	46.752
				8g	0.048	49.952	0.600	49.352	48.003	0.335	47.668	45.820	7H	0	50.000	48.406	0.355	48.051	47.382	0.630	46.752
52			1.5	4h	0	52.000	0.150	51.850	51.026	0.100	50.926	50.002	5H	0	52.000	51.196	0.170	51.026	50.612	0.236	50.376
				6g	0.032	51.968	0.236	51.732	50.994	0.160	50.834	49.910	6H	0	52.000	51.238	0.212	51.026	50.676	0.300	50.376
				8g	0.032	51.968	0.375	51.593	50.994	0.250	50.744	49.820	7H	0	52.000	51.291	0.265	51.026	50.751	0.375	50.376
			2.0	4h	0	52.000	0.180	51.820	50.701	0.112	50.589	49.357	5H	0	52.000	50.891	0.190	50.701	50.135	0.300	49.835
				6g	0.038	51.962	0.280	51.682	50.663	0.180	50.483	49.251	6H	0	52.000	50.937	0.236	50.701	50.210	0.375	49.835
				8g	0.038	51.962	0.450	51.512	50.663	0.280	50.383	49.151	7H	0	52.000	51.001	0.300	50.701	50.310	0.475	49.835
			3.0	4h	0	52.000	0.236	51.764	50.051	0.132	49.919	48.071	5H	0	52.000	50.275	0.224	50.051	49.152	0.400	48.752
				6g	0.048	51.952	0.375	51.577	50.003	0.212	49.791	47.943	6H	0	52.000	50.331	0.280	50.051	49.252	0.500	48.752
				8g	0.048	51.952	0.600	51.352	50.003	0.335	49.668	47.820	7H	0	52.000	50.406	0.355	50.051	49.382	0.630	48.752
			4.0	4h	0	52.000	0.300	51.700	49.402	0.150	49.252	46.788	5H	0	52.000	49.652	0.250	49.402	48.145	0.475	47.670
				6g	0.060	51.940	0.475	51.465	49.342	0.236	49.106	46.642	6H	0	52.000	49.717	0.315	49.402	48.270	0.600	47.670
				8g	0.060	51.940	0.750	51.190	49.342	0.375	48.967	46.503	7H	0	52.000	49.802	0.400	49.402	48.420	0.750	47.670
	5.0			4h	0	52.000	0.335	51.665	48.752	0.160	48.592	45.512	5H	0	52.000	49.017	0.265	48.752	47.147	0.560	46.587
				6g	0.071	51.929	0.530	51.399	48.681	0.250	48.431	45.351	6H	0	52.000	49.087	0.335	48.752	47.297	0.710	46.587
				8g	0.071	51.929	0.850	51.079	48.681	0.400	48.281	45.201	7H	0	52.000	49.177	0.425	48.752	47.687	0.900	46.587

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
55			1.5	4h	0	55.000	0.150	54.850	54.026	0.100	53.926	53.002	5H	0	55.000	54.196	0.170	54.026	53.612	0.236	53.376
				6g	0.032	54.968	0.236	54.732	53.994	0.160	53.834	52.910	6H	0	55.000	54.238	0.212	54.026	53.676	0.300	53.376
				8g	0.032	54.968	0.375	54.593	53.994	0.250	53.744	52.820	7H	0	55.000	54.291	0.265	54.026	53.751	0.375	53.376
			2.0	4h	0	55.000	0.180	54.820	53.701	0.112	53.589	52.357	5H	0	55.000	53.891	0.190	53.701	53.135	0.300	52.835
				6g	0.038	54.962	0.280	54.682	53.663	0.180	53.483	52.251	6H	0	55.000	53.937	0.236	53.701	53.210	0.375	52.835
				8g	0.038	54.962	0.450	54.512	53.663	0.280	53.383	52.151	7H	0	55.000	54.001	0.300	53.701	53.310	0.475	52.835
			3.0	4h	0	55.000	0.236	54.764	53.051	0.132	52.919	51.071	5H	0	55.000	53.275	0.224	53.051	52.152	0.400	51.752
				6g	0.048	54.952	0.375	54.577	53.003	0.212	52.791	50.943	6H	0	55.000	53.331	0.280	53.051	52.252	0.500	51.752
				8g	0.048	54.952	0.600	54.352	53.003	0.335	52.668	50.820	7H	0	55.000	53.406	0.355	53.051	52.382	0.630	51.752
			4.0	4h	0	55.000	0.300	54.700	52.402	0.150	52.252	49.788	5H	0	55.000	52.652	0.250	52.402	51.145	0.475	50.670
				6g	0.060	54.940	0.475	54.465	52.342	0.236	52.106	49.642	6H	0	55.000	52.717	0.315	52.402	51.270	0.600	50.670
				8g	0.060	54.940	0.750	54.190	52.342	0.375	51.967	49.503	7H	0	55.000	52.802	0.400	52.402	51.420	0.750	50.670
56			1.5	4h	0	56.000	0.150	55.850	55.026	0.100	54.926	54.002	5H	0	56.000	55.196	0.170	55.026	54.612	0.236	54.376
				6g	0.032	55.968	0.236	55.732	54.994	0.160	54.834	53.910	6H	0	56.000	55.238	0.212	55.026	54.676	0.300	54.376
				8g	0.032	55.968	0.375	55.593	54.994	0.250	54.744	53.820	7H	0	56.000	55.291	0.265	55.026	54.751	0.375	54.376
			2.0	4h	0	56.000	0.180	55.820	54.701	0.112	54.589	53.357	5H	0	56.000	54.891	0.190	54.701	54.135	0.300	53.835
				6g	0.038	55.962	0.280	55.682	54.663	0.180	54.483	53.251	6H	0	56.000	54.937	0.236	54.701	54.210	0.375	53.835
				8g	0.038	55.962	0.450	55.512	54.663	0.280	54.383	53.151	7H	0	56.000	55.001	0.300	54.701	54.310	0.475	53.835
			3.0	4h	0	56.000	0.236	55.764	54.051	0.132	53.919	52.071	5H	0	56.000	54.275	0.224	54.051	53.152	0.400	52.752
				6g	0.048	55.952	0.375	55.577	54.003	0.212	53.791	51.943	6H	0	56.000	54.331	0.280	54.051	53.252	0.500	52.752
				8g	0.048	55.952	0.600	55.352	54.003	0.335	53.668	51.820	7H	0	56.000	54.406	0.355	54.051	53.382	0.630	52.752
			4.0	4h	0	56.000	0.300	55.700	53.402	0.150	53.252	50.788	5H	0	56.000	53.652	0.250	53.402	52.145	0.475	51.670
				6g	0.060	55.940	0.475	55.465	53.342	0.236	53.106	50.642	6H	0	56.000	53.717	0.315	53.402	52.270	0.600	51.670
				8g	0.060	55.940	0.750	55.190	53.342	0.375	52.967	50.503	7H	0	56.000	53.802	0.400	53.402	52.430	0.750	51.670
	5.5			4h	0	56.000	0.355	55.645	52.428	0.170	52.258	48.870	5H	0	56.000	52.708	0.280	52.428	50.646	0.600	50.046
				6g	0.075	55.925	0.560	55.365	52.353	0.265	52.088	48.700	6H	0	56.000	52.783	0.355	52.428	50.796	0.750	50.046
				8g	0.075	55.925	0.900	55.025	52.353	0.425	51.928	48.540	7H	0	56.000	52.878	0.450	52.428	50.996	0.950	50.046

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
58			1.5	4h	0	58.000	0.150	57.850	57.026	0.100	56.926	56.002	5H	0	58.000	57.196	0.170	57.026	56.612	0.236	56.376
				6g	0.032	57.968	0.236	57.732	56.994	0.160	56.834	55.910	6H	0	58.000	57.238	0.212	57.026	56.676	0.300	56.376
				8g	0.032	57.968	0.375	57.593	56.994	0.250	56.744	55.820	7H	0	58.000	57.291	0.265	57.026	56.751	0.375	56.376
			2.0	4h	0	58.000	0.180	57.820	56.701	0.112	56.589	55.357	5H	0	58.000	56.891	0.190	56.701	56.135	0.300	55.835
				6g	0.038	57.962	0.280	57.682	56.663	0.180	56.483	55.251	6H	0	58.000	56.937	0.236	56.701	56.210	0.375	55.835
				8g	0.038	57.962	0.450	57.512	56.663	0.280	56.383	55.151	7H	0	58.000	57.001	0.300	56.701	56.310	0.475	55.835
			3.0	4h	0	58.000	0.236	57.764	56.051	0.132	55.919	54.071	5H	0	58.000	56.275	0.224	56.051	55.152	0.400	54.752
				6g	0.048	57.952	0.375	57.577	56.003	0.212	55.791	53.943	6H	0	58.000	56.331	0.280	56.051	55.252	0.500	54.752
				8g	0.048	57.952	0.600	57.352	56.003	0.335	55.668	53.820	7H	0	58.000	56.406	0.355	56.051	55.382	0.630	54.752
			4.0	4h	0	58.000	0.300	57.700	55.402	0.150	55.252	52.788	5H	0	58.000	55.652	0.250	55.402	54.145	0.475	53.670
				6g	0.060	57.940	0.475	57.465	55.342	0.236	55.106	52.642	6H	0	58.000	55.717	0.315	55.402	54.270	0.600	53.670
				8g	0.060	57.940	0.750	57.190	55.342	0.375	54.967	52.503	7H	0	58.000	55.802	0.400	55.402	54.420	0.750	53.670
60			1.5	4h	0	60.000	0.150	59.850	59.026	0.100	58.926	58.002	5H	0	60.000	59.196	0.170	59.026	58.612	0.236	58.376
				6g	0.032	59.968	0.236	59.732	58.994	0.160	58.834	57.910	6H	0	60.000	59.238	0.212	59.026	58.676	0.300	58.376
				8g	0.032	59.968	0.375	59.593	58.994	0.250	58.744	57.820	7H	0	60.000	59.291	0.265	59.026	58.751	0.375	58.376
			2.0	4h	0	60.000	0.180	59.820	58.701	0.112	58.589	57.357	5H	0	60.000	58.891	0.190	58.701	58.135	0.300	57.835
				6g	0.038	59.962	0.280	59.682	58.663	0.180	54.483	57.251	6H	0	60.000	58.937	0.236	58.701	58.210	0.375	57.835
				8g	0.038	59.962	0.450	59.512	58.663	0.280	58.383	57.151	7H	0	60.000	59.001	0.300	58.701	58.310	0.475	57.835
			3.0	4h	0	60.000	0.236	59.764	58.051	0.132	57.919	56.071	5H	0	60.000	58.275	0.224	58.051	57.152	0.400	56.752
				6g	0.048	59.952	0.375	59.577	58.003	0.212	57.791	55.943	6H	0	60.000	58.331	0.280	58.051	57.252	0.500	56.752
				8g	0.048	59.952	0.600	59.352	58.003	0.335	57.668	55.820	7H	0	60.000	58.406	0.355	58.051	57.382	0.630	56.752
			4.0	4h	0	60.000	0.300	59.700	57.402	0.150	57.252	54.788	5H	0	60.000	57.652	0.250	57.402	56.145	0.475	55.670
				6g	0.060	59.940	0.475	59.465	57.342	0.236	57.106	54.642	6H	0	60.000	57.717	0.315	57.402	56.270	0.600	55.670
				8g	0.060	59.940	0.750	59.190	57.342	0.375	56.967	54.503	7H	0	60.000	57.802	0.400	57.402	56.420	0.750	55.670
	5.5			4h	0	60.000	0.355	59.645	56.428	0.170	56.258	52.870	5H	0	60.000	56.708	0.280	56.428	54.646	0.600	54.046
				6g	0.075	59.925	0.560	59.365	56.353	0.265	56.088	52.700	6H	0	60.000	56.783	0.355	56.428	54.796	0.750	54.046
				8g	0.075	59.925	0.900	59.025	56.353	0.425	55.928	52.540	7H	0	60.000	56.878	0.450	56.428	54.996	0.950	54.046

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
62			1.5	4h	0	62.000	0.150	61.850	61.026	0.100	60.926	60.002	5H	0	62.000	61.196	0.170	61.026	60.612	0.236	60.376
				6g	0.032	61.968	0.236	61.732	60.994	0.160	60.834	59.910	6H	0	62.000	61.238	0.212	61.026	60.676	0.300	60.376
				8g	0.032	61.968	0.375	61.593	60.994	0.250	60.744	59.820	7H	0	62.000	61.291	0.265	61.026	60.751	0.375	60.376
			2	4h	0	62.000	0.180	61.820	60.701	0.112	60.589	59.357	5H	0	62.000	60.891	0.190	60.701	60.135	0.300	59.835
				6g	0.038	61.962	0.280	61.682	60.663	0.180	60.483	59.251	6H	0	62.000	60.937	0.236	60.701	60.210	0.375	59.835
				8g	0.038	61.962	0.450	61.512	60.663	0.280	60.383	59.151	7H	0	62.000	61.001	0.300	60.701	60.310	0.475	59.835
			3	4h	0	62.000	0.236	61.764	60.051	0.132	59.919	58.071	5H	0	62.000	60.275	0.224	60.051	59.152	0.400	58.752
				6g	0.048	61.952	0.375	61.577	60.003	0.212	59.791	57.943	6H	0	62.000	60.331	0.280	60.051	59.252	0.500	58.752
				8g	0.048	61.952	0.600	61.352	60.003	0.335	59.668	57.820	7H	0	62.000	60.406	0.355	60.051	59.382	0.630	58.752
			4	4h	0	62.000	0.300	61.700	59.402	0.150	59.252	56.788	5H	0	62.000	59.652	0.250	59.402	58.145	0.475	57.670
				6g	0.060	61.940	0.475	61.465	59.342	0.236	59.106	56.642	6H	0	62.000	59.717	0.315	59.402	58.270	0.600	57.670
				8g	0.060	61.940	0.750	61.190	59.342	0.375	58.967	56.503	7H	0	62.000	59.802	0.400	59.402	58.420	0.750	57.670
64			1.5	4h	0	64.000	0.150	63.850	63.026	0.100	62.926	62.002	5H	0	64.000	63.196	0.170	63.026	62.612	0.236	62.376
				6g	0.032	63.968	0.236	63.732	62.994	0.160	62.834	61.910	6H	0	64.000	63.238	0.212	63.026	62.676	0.300	62.376
				8g	0.032	63.968	0.375	63.593	62.994	0.250	62.744	61.820	7H	0	64.000	63.291	0.265	63.026	62.751	0.375	62.376
			2	4h	0	64.000	0.180	63.820	62.701	0.112	62.589	61.357	5H	0	64.000	62.891	0.190	62.701	62.135	0.300	61.835
				6g	0.038	63.962	0.280	63.682	62.663	0.180	62.483	61.251	6H	0	64.000	62.937	0.236	62.701	62.210	0.375	61.835
				8g	0.038	63.962	0.450	63.512	62.663	0.280	62.383	61.151	7H	0	64.000	63.001	0.300	62.701	62.310	0.475	61.835
			3	4h	0	64.000	0.236	63.764	62.051	0.132	61.919	60.071	5H	0	64.000	62.275	0.224	62.051	61.152	0.400	60.752
				6g	0.048	63.952	0.375	63.577	62.003	0.212	61.791	59.943	6H	0	64.000	62.331	0.280	62.051	61.252	0.500	60.752
				8g	0.048	63.952	0.600	63.352	62.003	0.335	61.668	59.820	7H	0	64.000	62.406	0.355	62.051	61.382	0.630	60.752
			4	4h	0	64.000	0.300	63.700	61.402	0.150	61.252	58.788	5H	0	64.000	61.652	0.250	61.402	60.145	0.475	59.670
				6g	0.060	63.940	0.475	63.465	61.342	0.236	61.106	58.642	6H	0	64.000	61.717	0.315	61.402	60.270	0.600	59.670
				8g	0.060	63.940	0.750	63.190	61.342	0.375	60.967	58.503	7H	0	64.000	61.802	0.400	61.402	60.420	0.750	59.670
	6			4h	0	64.000	0.375	63.625	60.103	0.180	59.923	56.227	5H	0	64.000	60.403	0.300	60.103	58.135	0.630	57.505
				6g	0.080	63.920	0.600	63.320	60.023	0.280	59.743	56.047	6H	0	64.000	60.478	0.375	60.103	58.305	0.800	57.505
				8g	0.080	63.920	0.950	62.970	60.023	0.450	59.573	55.877	7H	0	64.000	60.578	0.475	60.103	58.505	1.000	57.505

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
65			1.5	4h	0	65.000	0.150	64.850	64.026	0.100	63.926	63.002	5H	0	65.000	64.196	0.170	64.026	63.612	0.236	63.376
				6g	0.032	64.968	0.236	64.732	63.994	0.160	63.834	62.910	6H	0	65.000	64.238	0.212	64.026	63.676	0.300	63.376
				8g	0.032	64.968	0.375	64.593	63.994	0.250	63.744	62.820	7H	0	65.000	64.291	0.265	64.026	63.751	0.375	63.376
			2	4h	0	65.000	0.180	64.820	63.701	0.112	63.589	62.357	5H	0	65.000	63.891	0.190	63.701	63.135	0.300	62.835
				6g	0.038	64.962	0.280	64.682	63.663	0.180	63.483	62.251	6H	0	65.000	63.937	0.236	63.701	63.210	0.375	62.835
				8g	0.038	64.962	0.450	64.512	63.663	0.280	63.383	62.151	7H	0	65.000	64.001	0.300	63.701	63.310	0.475	62.835
			3	4h	0	65.000	0.236	64.764	63.051	0.132	62.919	61.071	5H	0	65.000	63.275	0.224	63.051	62.152	0.400	61.752
				6g	0.048	64.952	0.375	64.577	63.003	0.212	62.791	60.943	6H	0	65.000	63.331	0.280	63.051	62.252	0.500	61.752
				8g	0.048	64.952	0.600	64.352	63.003	0.335	62.668	60.820	7H	0	65.000	63.406	0.355	63.051	62.382	0.630	61.752
			4	4h	0	65.000	0.300	64.700	62.402	0.150	62.252	59.788	5H	0	65.000	62.652	0.250	62.402	61.145	0.475	60.670
				6g	0.060	64.940	0.475	64.465	62.342	0.236	62.106	59.642	6H	0	65.000	62.717	0.315	62.402	61.270	0.600	60.670
				8g	0.060	64.940	0.750	64.190	62.342	0.375	61.967	59.503	7H	0	65.000	62.802	0.400	62.402	61.420	0.750	60.670
68			1.5	4h	0	68.000	0.150	67.850	67.026	0.100	66.926	66.002	5H	0	68.000	67.196	0.170	67.026	66.612	0.236	66.376
				6g	0.032	67.968	0.236	67.732	66.994	0.160	66.834	65.910	6H	0	68.000	67.238	0.212	67.026	66.676	0.300	66.376
				8g	0.032	67.968	0.375	67.593	66.994	0.250	66.744	65.820	7H	0	68.000	67.291	0.265	67.026	66.751	0.375	66.376
			2	4h	0	68.000	0.180	67.820	66.701	0.112	66.589	65.357	5H	0	68.000	66.891	0.190	66.701	66.135	0.300	65.835
				6g	0.038	67.962	0.280	67.682	66.663	0.180	66.483	65.251	6H	0	68.000	66.937	0.236	66.701	66.210	0.375	65.835
				8g	0.038	67.962	0.450	67.512	66.663	0.280	66.383	65.151	7H	0	68.000	67.001	0.300	66.701	66.310	0.475	65.835
			3	4h	0	68.000	0.236	67.764	66.051	0.132	65.919	64.071	5H	0	68.000	66.275	0.224	66.051	65.152	0.400	64.752
				6g	0.048	67.952	0.375	67.577	66.003	0.212	65.791	63.943	6H	0	68.000	66.331	0.280	66.051	65.252	0.500	64.752
				8g	0.048	67.952	0.600	67.352	66.003	0.335	65.668	63.820	7H	0	68.000	66.406	0.355	66.051	65.382	0.630	64.752
			4	4h	0	68.000	0.300	67.700	65.402	0.150	65.252	62.788	5H	0	68.000	65.652	0.250	65.402	64.145	0.475	63.670
				6g	0.060	67.940	0.475	67.465	65.342	0.236	65.106	62.642	6H	0	68.000	65.717	0.315	65.402	64.270	0.600	63.670
				8g	0.060	67.940	0.750	67.190	65.342	0.375	64.967	62.503	7H	0	68.000	65.802	0.400	65.402	64.420	0.750	63.670
	6			4h	0	68.000	0.375	67.625	64.103	0.180	63.923	60.227	5H	0	68.000	64.403	0.300	64.103	62.135	0.630	61.505
				6g	0.080	67.920	0.600	67.320	64.023	0.280	63.743	60.047	6H	0	68.000	64.478	0.375	64.103	62.305	0.800	61.505
				8g	0.080	67.920	0.950	66.970	64.023	0.450	63.573	59.877	7H	0	68.000	64.578	0.475	64.103	62.505	1.000	61.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
70			1.5	4h	0	70.000	0.150	69.850	69.026	0.100	68.926	68.002	5H	0	70.000	69.196	0.170	69.026	68.612	0.236	68.376
				6g	0.032	69.968	0.236	69.732	68.994	0.160	68.834	67.910	6H	0	70.000	69.238	0.212	69.026	68.676	0.300	68.376
				8g	0.032	69.968	0.375	69.593	68.994	0.250	68.744	67.820	7H	0	70.000	69.291	0.265	69.026	68.751	0.375	68.376
			2	4h	0	70.000	0.180	69.820	68.701	0.112	68.589	67.357	5H	0	70.000	68.891	0.190	68.701	68.135	0.300	67.835
				6g	0.038	69.962	0.280	69.682	68.663	0.180	68.483	67.251	6H	0	70.000	68.937	0.236	68.701	68.210	0.375	67.835
				8g	0.038	69.962	0.450	69.512	68.663	0.280	68.383	67.151	7H	0	70.000	69.001	0.300	68.701	68.310	0.475	67.835
			3	4h	0	70.000	0.236	69.764	68.051	0.132	67.919	66.071	5H	0	70.000	68.275	0.224	68.051	67.152	0.400	66.752
				6g	0.048	69.952	0.375	69.577	68.003	0.212	67.791	65.943	6H	0	70.000	68.331	0.280	68.051	67.252	0.500	66.752
				8g	0.048	69.952	0.600	69.352	68.003	0.335	67.668	65.820	7H	0	70.000	68.406	0.355	68.051	67.382	0.630	66.752
			4	4h	0	70.000	0.300	69.700	67.402	0.150	67.252	64.788	5H	0	70.000	67.652	0.250	67.402	66.145	0.475	65.670
				6g	0.060	69.940	0.475	69.465	67.342	0.236	67.106	64.642	6H	0	70.000	67.717	0.315	67.402	66.270	0.600	65.670
				8g	0.060	69.940	0.750	69.190	67.342	0.375	66.967	64.503	7H	0	70.000	67.802	0.400	67.402	66.420	0.750	65.670
			6	4h	0	70.000	0.375	69.625	66.103	0.180	65.923	62.227	5H	0	70.000	66.403	0.300	66.103	64.135	0.630	63.505
				6g	0.080	69.920	0.600	69.320	66.023	0.280	65.743	62.047	6H	0	70.000	66.478	0.375	66.103	64.305	0.800	63.505
				8g	0.080	69.920	0.950	68.970	66.023	0.450	65.573	61.877	7H	0	70.000	66.578	0.475	66.103	64.505	1.000	63.505
72			1.5	4h	0	72.000	0.150	71.850	71.026	0.100	70.926	70.002	5H	0	72.000	71.196	0.170	71.026	70.612	0.236	70.376
				6g	0.032	71.968	0.236	71.732	70.994	0.160	70.834	69.910	6H	0	72.000	71.238	0.212	71.026	70.676	0.300	70.376
				8g	0.032	71.968	0.375	71.593	70.994	0.250	70.744	69.820	7H	0	72.000	71.291	0.265	71.026	70.751	0.375	70.376
			2	4h	0	72.000	0.180	71.820	70.701	0.112	70.589	69.357	5H	0	72.000	70.891	0.190	70.701	70.135	0.300	69.835
				6g	0.038	71.962	0.280	71.682	70.663	0.180	70.483	69.251	6H	0	72.000	70.937	0.236	70.701	70.210	0.375	69.835
				8g	0.038	71.962	0.450	71.512	70.663	0.280	70.383	69.151	7H	0	72.000	71.001	0.300	70.701	70.310	0.475	69.835
			3	4h	0	72.000	0.236	71.764	70.051	0.132	69.919	68.071	5H	0	72.000	70.275	0.224	70.051	69.152	0.400	68.752
				6g	0.048	71.952	0.375	71.577	70.003	0.212	69.791	67.943	6H	0	72.000	70.331	0.280	70.051	69.252	0.500	68.752
				8g	0.048	71.952	0.600	71.352	70.003	0.335	69.668	67.820	7H	0	72.000	70.406	0.355	70.051	69.382	0.630	68.752
			4	4h	0	72.000	0.300	71.700	69.402	0.150	69.252	66.788	5H	0	72.000	69.652	0.250	69.402	68.145	0.475	67.670
				6g	0.060	71.940	0.475	71.465	69.342	0.236	69.106	66.642	6H	0	72.000	69.717	0.315	69.402	68.270	0.600	67.670
				8g	0.060	71.940	0.750	71.190	69.342	0.375	69.967	66.503	7H	0	72.000	69.802	0.400	69.402	68.420	0.750	67.670
			6	4h	0	72.000	0.375	71.625	68.103	0.180	67.923	64.227	5H	0	72.000	68.403	0.300	68.103	66.135	0.630	65.505
				6g	0.080	71.920	0.600	71.320	68.023	0.280	67.743	64.047	6H	0	72.000	68.478	0.375	68.103	66.305	0.800	65.505
				8g	0.080	71.920	0.950	70.970	68.023	0.450	67.573	63.877	7H	0	72.000	68.578	0.475	68.103	66.505	1.000	65.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
75			1.5	4h	0	75.000	0.150	74.850	74.026	0.100	73.926	73.002	5H	0	75.000	74.196	0.170	74.026	73.612	0.236	73.376
				6g	0.032	74.968	0.236	74.732	73.994	0.160	73.834	72.910	6H	0	75.000	74.238	0.212	74.026	73.676	0.300	73.376
				8g	0.032	74.968	0.375	74.593	73.994	0.250	73.744	72.820	7H	0	75.000	74.291	0.265	74.026	73.751	0.375	73.376
			2	4h	0	75.000	0.180	74.820	73.701	0.112	73.589	72.357	5H	0	75.000	73.891	0.190	73.701	73.135	0.300	72.835
				6g	0.038	74.962	0.280	74.682	73.663	0.180	73.483	72.251	6H	0	75.000	73.937	0.236	73.701	73.210	0.375	72.835
				8g	0.038	74.962	0.450	74.512	73.663	0.280	73.383	72.151	7H	0	75.000	74.001	0.300	73.701	73.310	0.475	72.835
			3	4h	0	75.000	0.236	74.764	73.051	0.132	72.919	71.071	5H	0	75.000	73.275	0.224	73.051	72.152	0.400	71.752
				6g	0.048	74.952	0.375	74.577	73.003	0.212	72.791	70.943	6H	0	75.000	73.331	0.280	73.051	72.252	0.500	71.752
				8g	0.048	74.952	0.600	74.352	73.003	0.335	72.668	70.820	7H	0	75.000	73.406	0.355	73.051	72.382	0.630	71.752
			4	4h	0	75.000	0.300	74.700	72.402	0.150	72.252	69.788	5H	0	75.000	72.652	0.250	72.402	71.145	0.475	70.670
				6g	0.060	74.940	0.475	74.465	72.342	0.236	72.106	69.642	6H	0	75.000	72.717	0.315	72.402	71.270	0.600	70.670
				8g	0.060	74.940	0.750	74.190	72.342	0.375	71.967	69.503	7H	0	75.000	72.802	0.400	72.402	71.420	0.750	70.670
76			1.5	4h	0	76.000	0.150	75.850	75.026	0.100	74.926	74.002	5H	0	76.000	75.196	0.170	75.026	74.612	0.236	74.376
				6g	0.032	75.968	0.236	75.732	74.994	0.160	74.834	73.910	6H	0	76.000	75.238	0.212	75.026	74.676	0.300	74.376
				8g	0.032	75.968	0.375	75.593	74.994	0.250	74.744	73.820	7H	0	76.000	75.291	0.265	75.026	74.751	0.375	74.376
			2	4h	0	76.000	0.180	75.820	74.701	0.112	74.589	73.357	5H	0	76.000	74.891	0.190	74.701	74.135	0.300	73.835
				6g	0.038	75.962	0.280	75.682	74.663	0.180	74.483	73.251	6H	0	76.000	74.937	0.236	74.701	74.210	0.375	73.835
				8g	0.038	75.962	0.450	75.512	74.663	0.280	74.383	73.151	7H	0	76.000	75.001	0.300	74.701	74.310	0.475	73.835
			3	4h	0	76.000	0.236	75.764	74.051	0.132	73.919	72.071	5H	0	76.000	74.275	0.224	74.051	73.152	0.400	72.752
				6g	0.048	75.952	0.375	75.577	74.003	0.212	73.791	71.943	6H	0	76.000	74.331	0.280	74.051	73.252	0.500	72.752
				8g	0.048	75.952	0.600	75.352	74.003	0.335	73.668	71.820	7H	0	76.000	74.406	0.355	74.051	73.382	0.630	72.752
			4	4h	0	76.000	0.300	75.700	73.402	0.150	73.252	70.788	5H	0	76.000	73.652	0.250	73.402	72.145	0.475	71.670
				6g	0.060	75.940	0.475	75.465	73.342	0.236	73.106	70.642	6H	0	76.000	73.717	0.315	73.402	72.270	0.600	71.670
				8g	0.060	75.940	0.750	75.190	73.342	0.375	72.967	70.503	7H	0	76.000	73.802	0.400	73.402	72.420	0.750	71.670
			6	4h	0	76.000	0.375	75.625	72.103	0.180	71.923	68.227	5H	0	76.000	72.403	0.300	72.103	70.135	0.630	69.505
				6g	0.080	75.920	0.600	75.320	72.023	0.280	71.743	68.047	6H	0	76.000	72.478	0.375	72.103	70.305	0.800	69.505
				8g	0.080	75.920	0.950	74.970	72.023	0.450	71.573	67.877	7H	0	76.000	72.578	0.475	72.103	70.505	1.000	69.505
78			2	4h	0	78.000	0.180	77.820	76.701	0.112	76.589	75.357	5H	0	78.000	76.891	0.190	76.701	76.135	0.300	75.835
				6g	0.038	77.962	0.280	77.682	76.663	0.180	76.483	75.251	6H	0	78.000	76.937	0.236	76.701	76.210	0.375	75.835
				8g	0.038	77.962	0.450	77.512	76.663	0.280	76.383	75.151	7H	0	78.000	77.001	0.300	76.701	76.310	0.475	75.835

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
80			1.5	4h	0	80.000	0.150	79.850	79.026	0.100	78.926	78.002	5H	0	80.000	79.196	0.170	79.026	78.612	0.236	78.376
				6g	0.032	79.968	0.236	79.732	78.994	0.160	78.834	77.910	6H	0	80.000	79.238	0.212	79.026	78.676	0.300	78.376
				8g	0.032	79.968	0.375	79.593	78.994	0.250	78.774	77.820	7H	0	80.000	79.291	0.265	79.026	78.751	0.375	78.376
			2	4h	0	80.000	0.180	79.820	78.701	0.112	78.589	77.357	5H	0	80.000	78.891	0.190	78.701	78.135	0.300	77.835
				6g	0.038	79.962	0.280	79,682	78.663	0.180	78.483	77.251	6H	0	80.000	78.937	0.236	78.701	78.210	0.375	77.835
				8g	0.038	79.962	0.450	79.512	78.663	0.280	78.383	77.151	7H	0	80.000	79.001	0.300	78.701	78.310	0.475	77.835
			3	4h	0	80.000	0.236	79.764	78.051	0.132	77.919	76.071	5H	0	80.000	78.275	0.224	78.051	77.152	0.400	76.752
				6g	0.048	79.952	0.375	79.577	78.003	0.212	77.791	75.943	6H	0	80.000	78.331	0.280	78.051	77.252	0.500	76.752
				8g	0.048	79.952	0.600	79.352	78.003	0.335	77.668	75.820	7H	0	80.000	78.406	0.355	78.051	77.382	0.630	76.752
			4	4h	0	80.000	0.300	79.700	77.402	0.150	77.252	74.788	5H	0	80.000	77.652	0.250	77.402	76.145	0.475	75.670
				6g	0.060	79.940	0.475	79.465	77.342	0.236	77.106	74.642	6H	0	80.000	77.717	0.315	77.402	76.270	0.600	75.670
				8g	0.060	79.940	0.750	79.190	77.342	0.375	76.967	74.503	7H	0	80.000	77.802	0.400	77.402	76.420	0.750	75.670
			6	4h	0	80.000	0.375	79.625	76.103	0.180	75.923	72.227	5H	0	80.000	76.403	0.300	76.103	74.135	0.630	73.505
				6g	0.080	79.920	0.600	79.320	76.023	0.280	75.743	72.047	6H	0	80.000	76.478	0.375	76.103	74.305	0.800	73.505
				8g	0.080	79.920	0.950	78.970	76.023	0.450	75.573	71.877	7H	0	80.000	76.578	0.475	76.103	74.505	1.000	73.505
82			2	4h	0	82.000	0.180	81.820	80.701	0.112	80.589	79.357	5H	0	82.000	80.891	0.190	80.701	80.135	0.300	79.835
				6g	0.038	81.962	0.280	81.682	80.663	0.180	80.483	79.251	6H	0	82.000	80.937	0.236	80.701	80.210	0.375	79.835
				8g	0.038	81.962	0.450	81.512	80.663	0.280	80.383	79.151	7H	0	82.000	81.001	0.300	80.701	80.310	0.475	79.835
85			2	4h	0	85.000	0.180	84.820	83.701	0.112	83.589	82.357	5H	0	85.000	83.891	0.190	83.701	83.135	0.300	82.835
				6g	0.038	84.962	0.280	84.682	83.663	0.180	83.483	82.251	6H	0	85.000	83.937	0.236	83.701	83.210	0.375	82.835
				8g	0.038	84.962	0.450	84.512	83.663	0.280	83.383	82.151	7H	0	85.000	84.001	0.300	83.701	83.310	0.475	82.835
			3	4h	0	85.000	0.236	84.764	83.051	0.132	82.919	81.071	5H	0	85.000	83.275	0.224	83.051	82.152	0.400	81.752
				6g	0.048	84.952	0.375	84.577	83.003	0.212	82.791	80.943	6H	0	85.000	83.331	0.280	83.051	82.252	0.500	81.752
				8g	0.048	84.952	0.600	84.352	83.003	0.335	82.668	80.820	7H	0	85.000	83.406	0.355	83.051	82.382	0.630	81.752
			4	4h	0	85.000	0.300	84.700	82.402	0.150	82.252	79.788	5H	0	85.000	82.652	0.250	82.402	81.145	0.475	80.670
				6g	0.060	84.940	0.475	84.465	82.342	0.236	82.106	79.642	6H	0	85.000	82.717	0.315	82.402	81.270	0.600	80.670
				8g	0.060	84.940	0.750	84.190	82.342	0.375	81.967	79.503	7H	0	85.000	82.802	0.400	82.402	81.420	0.750	80.670
			6	4h	0	85.000	0.375	84.625	81.103	0.180	80.923	77.227	5H	0	85.000	81.403	0.300	81.103	79.135	0.630	78.505
				6g	0.080	84.920	0.600	84.320	81.023	0.280	80.743	77.047	6H	0	85.000	81.478	0.375	81.103	79.305	0.800	78.505
				8g	0.080	84.920	0.950	84.970	81.023	0.450	81.573	76.877	7H	0	85.000	81.578	0.475	81.103	79.505	1.000	78.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
90			2	4h	0	90.000	0.180	89.820	88.701	0.112	88.589	87.357	5H	0	90.000	88.891	0.190	88.701	88.135	0.300	87.835
				6g	0.038	89.962	0.280	89.682	88.663	0.180	88.483	87.251	6H	0	90.000	88.937	0.236	88.701	88.210	0.375	87.835
				8g	0.038	89.962	0.450	89.512	88.663	0.280	88.383	87.151	7H	0	90.000	89.001	0.300	88.701	88.310	0.475	87.835
			3	4h	0	90.000	0.236	89.764	88.051	0.132	87.919	86.071	5H	0	90.000	88.275	0.224	88.051	87.152	0.400	86.752
				6g	0.048	89.952	0.375	89.577	88.003	0.212	87.791	85.943	6H	0	90.000	88.331	0.280	88.051	87.252	0.500	86.752
				8g	0.048	89.952	0.600	89.352	88.003	0.335	87.668	85.820	7H	0	90.000	88.406	0.355	88.051	87.382	0.630	86.752
			4	4h	0	90.000	0.300	89.700	87.402	0.150	87.252	84.788	5H	0	90.000	87.652	0.250	87.402	86.145	0.475	85.670
				6g	0.060	89.940	0.475	89.465	87.342	0.236	87.106	84.642	6H	0	90.000	87.717	0.315	87.402	86.270	0.600	85.670
				8g	0.060	89.940	0.750	89.190	87.342	0.375	86.967	84.503	7H	0	90.000	87.802	0.400	87.402	86.420	0.750	85.670
			6	4h	0	90.000	0.375	89.625	86.103	0.180	85.923	82.227	5H	0	90.000	86.403	0.300	86.103	84.135	0.630	83.505
				6g	0.080	89.920	0.600	89.320	86.023	0.280	85.743	82.047	6H	0	90.000	86.478	0.375	86.103	84.305	0.800	83.505
				8g	0.080	89.920	0.950	88.970	86.023	0.450	85.573	81.877	7H	0	90.000	86.578	0.475	86.103	84.505	1.000	83.505
95			2	4h	0	95.000	0.180	94.820	93.701	0.118	93.583	92.351	5H	0	95.000	93.901	0.200	93.701	93.135	0.300	92.835
				6g	0.038	94.962	0.280	94.682	93.663	0.190	93.473	92.241	6H	0	95.000	93.951	0.250	93.701	93.210	0.375	92.835
				8g	0.038	94.962	0.450	94.512	93.663	0.300	93.363	92.131	7H	0	95.000	94.016	0.315	93.701	93.310	0.475	92.835
			3	4h	0	95.000	0.236	94.764	93.051	0.140	92.911	91.063	5H	0	95.000	93.287	0.236	93.051	92.152	0.400	91.752
				6g	0.048	94.952	0.375	94.577	93.003	0.224	92.779	90.931	6H	0	95.000	93.351	0.300	93.051	92.252	0.500	91.752
				8g	0.048	94.952	0.600	94.352	93.003	0.355	92.648	90.800	7H	0	95.000	93.426	0.375	93.051	92.382	0.630	91.752
			4	4h	0	95.000	0.300	94.700	92.402	0.160	92.242	89.778	5H	0	95.000	92.667	0.265	92.402	91.145	0.475	90.670
				6g	0.060	94.940	0.475	94.465	92.342	0.250	92.092	89.628	6H	0	95.000	92.737	0.335	92.402	91.270	0.600	90.670
				8g	0.060	94.940	0.750	94.190	92.342	0.400	91.942	89.478	7H	0	95.000	92.827	0.425	92.402	91.420	0.750	90.670
			6	4h	0	95.000	0.375	94.625	91.103	0.190	90.913	87.217	5H	0	95.000	91.418	0.315	91.103	89.135	0.630	88.505
				6g	0.080	94.920	0.600	94.320	91.023	0.300	90.723	87.027	6H	0	95.000	91.503	0.400	91.103	89.305	0.800	88.505
				8g	0.080	94.920	0.950	93.970	91.023	0.475	90.548	86.852	7H	0	95.000	91.603	0.500	91.103	89.505	1.000	88.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
100			2	4h	0	100.000	0.180	99.820	98.701	0.118	98.583	97.351	5H	0	100.000	98.901	0.200	98.701	98.135	0.300	97.835
				6g	0.038	99.962	0.280	99.682	98.663	0.190	98.473	97.241	6H	0	100.000	98.951	0.250	98.701	98.210	0.375	97.835
				8g	0.038	99.962	0.450	99.512	98.663	0.300	98.363	97.131	7H	0	100.000	99.016	0.315	98.701	98.310	0.475	97.835
			3	4h	0	100.000	0.236	99.764	98.051	0.140	97.911	96.063	5H	0	100.000	98.287	0.236	98.051	97.152	0.400	96.752
				6g	0.048	99.952	0.375	99.577	98.003	0.224	97.779	95.931	6H	0	100.000	98.351	0.300	98.051	97.252	0.500	96.752
				8g	0.048	99.952	0.600	99.352	98.003	0.355	97.648	95.800	7H	0	100.000	98.426	0.375	98.051	97.382	0.630	96.752
			4	4h	0	100.000	0.300	99.700	97.402	0.160	97.242	94.778	5H	0	100.000	97.667	0.265	97.402	96.145	0.475	95.670
				6g	0.060	99.940	0.475	99.465	97.342	0.250	97.092	94.628	6H	0	100.000	97.737	0.335	97.402	96.270	0.600	95.670
				8g	0.060	99.940	0.750	99.190	97.342	0.400	96.942	94.478	7H	0	100.000	97.827	0.425	97.402	96.420	0.750	95.670
			6	4h	0	100.000	0.375	99.625	96.103	0.190	95.913	92.217	5H	0	100.000	96.418	0.315	96.103	94.135	0.630	93.505
				6g	0.080	99.920	0.600	99.320	96.023	0.300	95.723	92.027	6H	0	100.000	96.503	0.400	96.103	94.305	0.800	93.505
				8g	0.080	99.920	0.950	98.970	96.023	0.475	95.548	91.852	7H	0	100.000	96.603	0.500	96.103	94.505	1.000	93.505
105			2	4h	0	105.000	0.180	104.820	103.701	0.118	103.583	102.351	5H	0	105.000	103.901	0.200	103.701	103.135	0.300	102.835
				6g	0.038	104.962	0.280	104.682	103.663	0.190	103.473	102.241	6H	0	105.000	103.951	0.250	103.701	103.210	0.375	102.835
				8g	0.038	104.962	0.450	104.512	103.663	0.300	103.363	102.131	7H	0	105.000	104.016	0.315	103.701	103.310	0.475	102.835
			3	4h	0	105.000	0.236	104.764	103.051	0.140	102.911	101.063	5H	0	105.000	103.287	0.236	103.051	102.152	0.400	101.752
				6g	0.048	104.952	0.375	104.577	103.003	0.224	102.779	100.931	6H	0	105.000	103.351	0.300	103.051	102.252	0.500	101.752
				8g	0.048	104.952	0.600	104.352	103.003	0.355	102.648	100.800	7H	0	105.000	103.426	0.375	103.051	102.382	0.630	101.752
			4	4h	0	105.000	0.300	104.700	102.402	0.160	102.242	99.778	5H	0	105.000	102.667	0.265	102.402	101.145	0.475	100.670
				6g	0.060	104.940	0.475	104.465	102.342	0.250	102.092	99.628	6H	0	105.000	102.737	0.335	102.402	101.270	0.600	100.670
				8g	0.060	104.940	0.750	104.190	102.342	0.400	101.942	99.478	7H	0	105.000	102.827	0.425	102.402	101.420	0.750	100.670
			6	4h	0	105.000	0.375	104.625	101.103	0.190	100.913	97.217	5H	0	105.000	101.418	0.315	101.103	99.135	0.630	98.505
				6g	0.080	104.920	0.600	104.320	101.023	0.300	100.723	97.027	6H	0	105.000	101.503	0.400	101.103	99.305	0.800	98.505
				8g	0.080	104.920	0.950	103.970	101.023	0.475	100.548	96.852	7H	0	105.000	101.603	0.500	101.103	99.505	1.000	98.505

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
110			2	4h	0	110.000	0.180	109.820	108.701	0.118	108.583	107.351	5H	0	110.000	108.901	0.200	108.701	108.135	0.300	107.835
				6g	0.038	109.962	0.280	109.682	108.663	0.190	108.473	107.241	6H	0	110.000	108.951	0.250	108.701	108.210	0.375	107.835
				8g	0.038	109.962	0.450	109.512	108.663	0.300	108.363	107.131	7H	0	110.000	109.016	0.315	108.701	108.310	0.475	107.835
			3	4h	0	110.000	0.236	109.764	108.051	0.140	107.911	106.063	5H	0	110.000	108.287	0.236	108.051	107.152	0.400	106.752
				6g	0.048	109.952	0.375	109.577	108.003	0.224	107.779	105.931	6H	0	110.000	108.351	0.300	108.051	107.252	0.500	106.752
				8g	0.048	109.952	0.600	109.352	108.003	0.355	107.648	105.800	7H	0	110.000	108.426	0.375	108.051	107.382	0.630	106.752
			4	4h	0	110.000	0.300	109.700	107.402	0.160	107.242	104.778	5H	0	110.000	107.667	0.265	107.402	106.145	0.475	105.670
				6g	0.060	109.940	0.475	109.465	107.342	0.250	107.092	104.628	6H	0	110.000	107.737	0.335	107.402	106.270	0.600	105.670
				8g	0.060	109.940	0.750	109.190	107.342	0.400	106.942	104.478	7H	0	110.000	107.827	0.425	107.402	106.420	0.750	105.670
			6	4h	0	110.000	0.375	109.625	106.103	0.190	105.913	102.217	5H	0	110.000	106.418	0.315	106.103	104.135	0.630	103.505
				6g	0.080	109.920	0.600	109.320	106.023	0.300	105.723	102.027	6H	0	110.000	106.503	0.400	106.103	104.305	0.800	103.505
				8g	0.080	109.920	0.950	108.970	106.023	0.475	105.548	101.852	7H	0	110.000	106.603	0.500	106.103	104.505	1.000	103.505
115			2	4h	0	115.000	0.180	114.820	113.701	0.118	113.583	112.351	5H	0	115.000	113.901	0.200	113.701	113.135	0.300	112.835
				6g	0.038	114.962	0.280	114.682	113.663	0.190	113.473	112.241	6H	0	115.000	113.951	0.250	113.701	113.210	0.375	112.835
				8g	0.038	114.962	0.450	114.512	113.663	0.300	113.363	112.131	7H	0	115.000	114.016	0.315	113.701	113.310	0.475	112.835
			3	4h	0	115.000	0.236	114.764	113.051	0.140	112.911	111.063	5H	0	115.000	113.287	0.236	113.051	112.152	0.400	111.752
				6g	0.048	114.952	0.375	114.577	113.003	0.224	112.779	110.931	6H	0	115.000	113.351	0.300	113.051	112.252	0.500	111.752
				8g	0.048	114.952	0.600	114.352	113.003	0.355	112.648	110.800	7H	0	115.000	113.426	0.375	113.051	112.382	0.630	111.752
			4	4h	0	115.000	0.300	114.700	112.402	0.160	112.242	109.778	5H	0	115.000	112.667	0.265	112.402	111.145	0.475	110.670
				6g	0.060	114.940	0.475	114.465	112.342	0.250	112.092	109.628	6H	0	115.000	112.737	0.335	112.402	111.270	0.600	110.670
				8g	0.060	114.940	0.750	114.190	112.342	0.400	111.942	109.478	7H	0	115.000	112.827	0.425	112.402	111.420	0.750	110.670
			6	4h	0	115.000	0.375	114.625	111.103	0.190	110.913	107.217	5H	0	115.000	111.418	0.315	111.103	109.135	0.630	108.505
				6g	0.080	114.920	0.600	114.320	111.023	0.300	110.723	107.027	6H	0	115.000	111.503	0.400	111.103	109.305	0.800	108.505
				8g	0.080	114.920	0.950	113.970	111.023	0.475	110.548	106.852	7H	0	115.000	111.603	0.500	111.103	109.505	1.000	108.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
120			2	4h	0	120.000	0.180	119.820	118.701	0.118	118.583	117.351	5H	0	120.000	118.901	0.200	118.701	118.135	0.300	117.835
				6g	0.038	119.962	0.280	119.682	118.663	0.190	118.473	117.241	6H	0	120.000	118.951	0.250	118.701	118.210	0.375	117.835
				8g	0.038	119.962	0.450	119.512	118.663	0.300	118.363	117.131	7H	0	120.000	119.016	0.315	118.701	118.310	0.475	117.835
			3	4h	0	120.000	0.236	119.764	118.051	0.140	117.911	116.063	5H	0	120.000	118.287	0.236	118.051	117.152	0.400	116.752
				6g	0.048	119.952	0.375	119.577	118.003	0.224	117.779	115.931	6H	0	120.000	118.351	0.300	118.051	117.252	0.500	116.752
				8g	0.048	119.952	0.600	119.352	118.003	0.355	117.648	115.800	7H	0	120.000	118.426	0.375	118.051	117.382	0.630	116.752
			4	4h	0	120.000	0.300	119.700	117.402	0.160	117.242	114.778	5H	0	120.000	117.667	0.265	117.402	116.145	0.475	115.670
				6g	0.060	119.940	0.475	119.465	117.342	0.250	117.092	114.628	6H	0	120.000	117.737	0.335	117.402	116.270	0.600	115.670
				8g	0.060	119.940	0.750	119.190	117.342	0.400	116.942	114.478	7H	0	120.000	117.827	0.425	117.402	116.420	0.750	115.670
			6	4h	0	120.000	0.375	119.625	116.103	0.190	115.913	112.217	5H	0	120.000	116.418	0.315	116.103	114.135	0.630	113.505
				6g	0.080	119.920	0.600	119.320	116.023	0.300	115.723	112.027	6H	0	120.000	116.503	0.400	116.103	114.305	0.800	113.505
				8g	0.080	119.920	0.950	118.970	116.023	0.475	115.548	111.852	7H	0	120.000	116.603	0.500	116.103	114.505	1.000	113.505
125			2	4h	0	125.000	0.180	124.820	123.701	0.118	123.583	122.351	5H	0	125.000	123.901	0.200	123.701	123.135	0.300	122.835
				6g	0.038	124.962	0.280	124.682	123.663	0.190	123.473	122.241	6H	0	125.000	123.951	0.250	123.701	123.210	0.375	122.835
				8g	0.038	124.962	0.450	124.512	123.663	0.300	123.363	122.131	7H	0	125.000	124.016	0.315	123.701	123.310	0.475	122.835
			3	4h	0	125.000	0.236	124.764	123.051	0.140	122.911	121.063	5H	0	125.000	123.287	0.236	123.051	122.152	0.400	121.752
				6g	0.048	124.952	0.375	124.577	123.003	0.224	122.779	120.931	6H	0	125.000	123.351	0.300	123.051	122.252	0.500	121.752
				8g	0.048	124.952	0.600	124.352	123.003	0.355	122.648	120.800	7H	0	125.000	123.426	0.375	123.051	122.382	0.630	121.752
			4	4h	0	125.000	0.300	124.700	122.402	0.160	122.242	119.778	5H	0	125.000	122.667	0.265	122.402	121.145	0.475	120.670
				6g	0.060	124.940	0.475	124.465	122.342	0.250	122.092	119.628	6H	0	125.000	122.737	0.335	122.402	121.270	0.600	120.670
				8g	0.060	124.940	0.750	124.190	122.342	0.400	121.942	119.478	7H	0	125.000	122.827	0.425	122.402	121.420	0.750	120.670
			6	4h	0	125.000	0.375	124.625	121.103	0.190	120.913	117.217	5H	0	125.000	121.418	0.315	121.103	119.135	0.630	118.505
				6g	0.080	124.920	0.600	124.320	121.023	0.300	120.723	117.027	6H	0	125.000	121.503	0.400	121.103	119.305	0.800	118.505
				8g	0.080	124.920	0.950	123.970	121.023	0.475	120.548	116.852	7H	0	125.000	121.603	0.500	121.103	119.505	1.000	118.505

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
130			2	4h	0	130.000	0.180	129.820	128.701	0.118	128.583	127.351	5H	0	130.000	128.901	0.200	128.701	128.135	0.300	127.835
				6g	0.038	129.962	0.280	129.682	128.663	0.190	128.473	127.241	6H	0	130.000	128.951	0.250	128.701	128.210	0.375	127.835
				8g	0.038	129.962	0.450	129.512	128.663	0.300	128.363	127.131	7H	0	130.000	129.016	0.315	128.701	128.310	0.475	127.835
			3	4h	0	130.000	0.236	129.764	128.051	0.140	127.911	126.063	5H	0	130.000	128.287	0.236	128.051	127.152	0.400	126.752
				6g	0.048	129.952	0.375	129.577	128.003	0.224	127.779	125.931	6H	0	130.000	128.351	0.300	128.051	127.252	0.500	126.752
				8g	0.048	129.952	0.600	129.352	128.003	0.355	127.648	125.800	7H	0	130.000	128.426	0.375	128.051	127.382	0.630	126.752
			4	4h	0	130.000	0.300	129.700	127.402	0.160	127.242	124.778	5H	0	130.000	127.667	0.265	127.402	126.145	0.475	125.670
				6g	0.060	129.940	0.475	129.465	127.342	0.250	127.092	124.628	6H	0	130.000	127.737	0.335	127.402	126.270	0.600	125.670
				8g	0.060	129.940	0.750	129.190	127.342	0.400	126.942	124.478	7H	0	130.000	127.827	0.425	127.402	126.420	0.750	125.670
			6	4h	0	130.000	0.375	129.625	126.103	0.190	125.913	122.217	5H	0	130.000	126.418	0.315	126.103	124.135	0.630	123.505
				6g	0.080	129.920	0.600	129.320	126.023	0.300	125.723	122.027	6H	0	130.000	126.503	0.400	126.103	124.305	0.800	123.505
				8g	0.080	129.920	0.950	128.970	126.023	0.475	125.548	121.852	7H	0	130.000	126.603	0.500	126.103	124.505	1.000	123.505
135			2	4h	0	135.000	0.180	134.820	133.701	0.118	133.583	132.351	5H	0	135.000	133.901	0.200	133.701	133.135	0.300	132.835
				6g	0.038	134.962	0.280	134.682	133.663	0.190	133.473	132.241	6H	0	135.000	133.951	0.250	133.701	133.210	0.375	132.835
				8g	0.038	134.962	0.450	134.512	133.663	0.300	133.363	132.131	7H	0	135.000	134.016	0.315	133.701	133.310	0.475	132.835
			3	4h	0	135.000	0.236	134.764	133.051	0.140	132.911	131.063	5H	0	135.000	133.287	0.236	133.051	132.152	0.400	131.752
				6g	0.048	134.952	0.375	134.577	133.003	0.224	132.779	130.931	6H	0	135.000	133.351	0.300	133.051	132.252	0.500	131.752
				8g	0.048	134.952	0.600	134.352	133.003	0.355	132.648	130.800	7H	0	135.000	133.426	0.375	133.051	132.382	0.630	131.752
			4	4h	0	135.000	0.300	134.700	132.402	0.160	132.242	129.778	5H	0	135.000	132.667	0.265	132.402	131.145	0.475	130.670
				6g	0.060	134.940	0.475	134.465	132.342	0.250	132.092	129.628	6H	0	135.000	132.737	0.335	132.402	131.270	0.600	130.670
				8g	0.060	134.940	0.750	134.190	132.342	0.400	131.942	129.478	7H	0	135.000	132.827	0.425	132.402	131.420	0.750	130.670
			6	4h	0	135.000	0.375	134.625	131.103	0.190	130.913	127.217	5H	0	135.000	131.418	0.315	131.103	129.135	0.630	128.505
				6g	0.080	134.920	0.600	134.320	131.023	0.300	130.723	127.027	6H	0	135.000	131.503	0.400	131.103	129.305	0.800	128.505
				8g	0.080	134.920	0.950	133.970	131.023	0.475	130.548	126.852	7H	0	135.000	131.603	0.500	131.103	129.505	1.000	128.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
140			2	4h	0	140.000	0.180	139.820	138.701	0.118	138.583	137.351	5H	0	140.000	138.901	0.200	138.701	138.135	0.300	137.835
				6g	0.038	139.962	0.280	139.682	138.663	0.190	138.473	137.241	6H	0	140.000	138.951	0.250	138.701	138.210	0.375	137.835
				8g	0.038	139.962	0.450	139.512	138.663	0.300	138.363	137.131	7H	0	140.000	139.016	0.315	138.701	138.310	0.475	137.835
			3	4h	0	140.000	0.236	139.764	138.051	0.140	137.911	136.063	5H	0	140.000	138.287	0.236	138.051	137.152	0.400	136.752
				6g	0.048	139.952	0.375	139.577	138.003	0.224	137.779	135.931	6H	0	140.000	138.351	0.300	138.051	137.252	0.500	136.752
				8g	0.048	139.952	0.600	139.352	138.003	0.355	137.648	135.800	7H	0	140.000	138.426	0.375	138.051	137.382	0.630	136.752
			4	4h	0	140.000	0.300	139.700	137.402	0.160	137.242	134.778	5H	0	140.000	137.667	0.265	137.402	136.145	0.475	135.670
				6g	0.060	139.940	0.475	139.465	137.342	0.250	137.092	134.628	6H	0	140.000	137.737	0.335	137.402	136.270	0.600	135.670
				8g	0.060	139.940	0.750	139.190	137.342	0.400	136.942	134.478	7H	0	140.000	137.827	0.425	137.402	136.420	0.750	135.670
			6	4h	0	140.000	0.375	139.625	136.103	0.190	135.913	132.217	5H	0	140.000	136.418	0.315	136.103	134.135	0.630	133.505
				6g	0.080	139.920	0.600	139.320	136.023	0.300	135.723	132.027	6H	0	140.000	136.503	0.400	136.103	134.305	0.800	133.505
				8g	0.080	139.920	0.950	138.970	136.023	0.475	135.548	131.852	7H	0	140.000	136.603	0.500	136.103	134.505	1.000	133.505
145			2	4h	0	145.000	0.180	144.820	143.701	0.118	143.583	142.351	5H	0	145.000	143.901	0.200	143.701	143.135	0.300	142.835
				6g	0.038	144.962	0.280	144.682	143.663	0.190	143.473	142.241	6H	0	145.000	143.951	0.250	143.701	143.210	0.375	142.835
				8g	0.038	144.962	0.450	144.512	143.663	0.300	143.363	142.131	7H	0	145.000	144.016	0.315	143.701	143.310	0.475	142.835
			3	4h	0	145.000	0.236	144.764	143.051	0.140	142.911	141.063	5H	0	145.000	143.287	0.236	143.051	142.152	0.400	141.752
				6g	0.048	144.952	0.375	144.577	143.003	0.224	142.779	140.931	6H	0	145.000	143.351	0.300	143.051	142.252	0.500	141.752
				8g	0.048	144.952	0.600	144.352	143.003	0.355	142.648	140.800	7H	0	145.000	143.426	0.375	143.051	142.382	0.630	141.752
			4	4h	0	145.000	0.300	144.700	142.402	0.160	142.242	139.778	5H	0	145.000	142.667	0.265	142.402	141.145	0.475	140.670
				6g	0.060	144.940	0.475	144.465	142.342	0.250	142.092	139.628	6H	0	145.000	142.737	0.335	142.402	141.270	0.600	140.670
				8g	0.060	144.940	0.750	144.190	142.342	0.400	141.942	139.478	7H	0	145.000	142.827	0.425	142.402	141.420	0.750	140.670
			6	4h	0	145.000	0.375	144.625	141.103	0.190	140.913	137.217	5H	0	145.000	141.418	0.315	141.103	139.135	0.630	138.505
				6g	0.080	144.920	0.600	144.320	141.023	0.300	140.723	137.027	6H	0	145.000	141.503	0.400	141.103	139.305	0.800	138.505
				8g	0.080	144.920	0.950	143.970	141.023	0.475	140.548	136.852	7H	0	145.000	141.603	0.500	141.103	139.505	1.000	138.505

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
150			2	4h	0	150.000	0.180	149.820	148.701	0.118	148.583	147.351	5H	0	150.000	148.901	0.200	148.701	148.135	0.300	147.835
				6g	0.038	149.962	0.280	149.682	148.663	0.190	148.473	147.241	6H	0	150.000	148.951	0.250	148.701	148.210	0.375	147.835
				8g	0.038	149.962	0.450	149.512	148.663	0.300	148.363	147.131	7H	0	150.000	149.016	0.315	148.701	148.310	0.475	147.835
			3	4h	0	150.000	0.236	149.764	148.051	0.140	147.911	146.063	5H	0	150.000	148.287	0.236	148.051	147.152	0.400	146.752
				6g	0.048	149.952	0.375	149.577	148.003	0.224	147.779	145.931	6H	0	150.000	148.351	0.300	148.051	147.252	0.500	146.752
				8g	0.048	149.952	0.600	149.352	148.003	0.355	147.648	145.800	7H	0	150.000	148.426	0.375	148.051	147.382	0.630	146.752
			4	4h	0	150.000	0.300	149.700	147.402	0.160	147.242	144.778	5H	0	150.000	147.667	0.265	147.402	146.145	0.475	145.670
				6g	0.060	149.940	0.475	149.465	147.342	0.250	147.092	144.628	6H	0	150.000	147.737	0.335	147.402	146.270	0.600	145.670
				8g	0.060	149.940	0.750	149.190	147.342	0.400	146.942	144.478	7H	0	150.000	147.827	0.425	147.402	146.420	0.750	145.670
			6	4h	0	150.000	0.375	149.625	146.103	0.190	145.913	142.217	5H	0	150.000	146.418	0.315	146.103	144.135	0.630	143.505
				6g	0.080	149.920	0.600	149.320	146.023	0.300	145.723	142.027	6H	0	150.000	146.503	0.400	146.103	144.305	0.800	143.505
				8g	0.080	149.920	0.950	148.970	146.023	0.475	145.548	141.852	7H	0	150.000	146.603	0.500	146.103	144.505	1.000	143.505
155			3	4h	0	155.000	0.236	154.764	153.051	0.140	152.911	151.063	5H	0	155.000	153.287	0.236	153.051	152.152	0.400	151.752
				6g	0.048	154.952	0.375	154.577	153.003	0.224	152.779	150.931	6H	0	155.000	153.351	0.300	153.051	152.252	0.500	151.752
				8g	0.048	154.952	0.600	154.352	153.003	0.355	152.648	150.800	7H	0	155.000	153.426	0.375	153.051	152.382	0.630	151.752
			4	4h	0	155.000	0.300	154.700	152.402	0.160	152.242	149.778	5H	0	155.000	152.667	0.265	152.402	151.145	0.475	150.670
				6g	0.060	154.940	0.475	154.465	152.342	0.250	152.092	149.628	6H	0	155.000	152.737	0.335	152.402	151.270	0.600	150.670
				8g	0.060	154.940	0.750	154.190	152.342	0.400	151.942	149.478	7H	0	155.000	152.827	0.425	152.402	151.420	0.750	150.670
			6	4h	0	155.000	0.375	154.625	151.103	0.190	150.913	147.217	5H	0	155.000	151.418	0.315	151.103	149.135	0.630	148.505
				6g	0.080	154.920	0.600	154.320	151.023	0.300	150.723	147.027	6H	0	155.000	151.503	0.400	151.103	149.305	0.800	148.505
				8g	0.080	154.920	0.950	153.970	151.023	0.475	150.548	146.852	7H	0	155.000	151.603	0.500	151.103	149.505	1.000	148.505
160			3	4h	0	160.000	0.236	159.764	158.051	0.140	157.911	156.063	5H	0	160.000	158.287	0.236	158.051	157.152	0.400	156.752
				6g	0.048	159.952	0.375	159.577	158.003	0.224	157.779	155.931	6H	0	160.000	158.351	0.300	158.051	157.252	0.500	156.752
				8g	0.048	159.952	0.600	159.352	158.003	0.355	157.648	155.800	7H	0	160.000	158.426	0.375	158.051	157.382	0.630	156.752
			4	4h	0	160.000	0.300	159.700	157.402	0.160	157.242	154.778	5H	0	160.000	157.667	0.265	157.402	156.145	0.475	155.670
				6g	0.060	159.940	0.475	159.465	157.342	0.250	157.092	154.628	6H	0	160.000	157.737	0.335	157.402	156.270	0.600	155.670
				8g	0.060	159.940	0.750	159.190	157.342	0.400	156.942	154.478	7H	0	160.000	157.827	0.425	157.402	156.420	0.750	155.670
			6	4h	0	160.000	0.375	159.625	156.103	0.190	155.913	152.217	5H	0	160.000	156.418	0.315	156.103	154.135	0.630	153.505
				6g	0.080	159.920	0.600	159.320	156.023	0.300	155.723	152.027	6H	0	160.000	156.503	0.400	156.103	154.305	0.800	153.505
				8g	0.080	159.920	0.950	158.970	156.023	0.475	155.548	151.852	7H	0	160.000	156.603	0.500	156.103	154.505	1.000	153.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
165			3	4h	0	165.000	0.236	164.764	163.051	0.140	162.911	161.063	5H	0	165.000	163.287	0.236	163.051	162.152	0.400	161.752
				6g	0.048	164.952	0.375	164.577	163.003	0.224	162.779	160.931	6H	0	165.000	163.351	0.300	163.051	162.252	0.500	161.752
				8g	0.048	164.952	0.600	164.352	163.003	0.355	162.648	160.800	7H	0	165.000	163.426	0.375	163.051	162.382	0.630	161.752
			4	4h	0	165.000	0.300	164.700	162.402	0.160	162.242	159.778	5H	0	165.000	162.667	0.265	162.402	161.145	0.475	160.670
				6g	0.060	164.940	0.475	164.465	162.342	0.250	162.092	159.628	6H	0	165.000	162.737	0.335	162.402	161.270	0.600	160.670
				8g	0.060	164.940	0.750	164.190	162.342	0.400	161.942	159.478	7H	0	165.000	162.827	0.425	162.402	161.420	0.750	160.670
			6	4h	0	165.000	0.375	164.625	161.103	0.190	160.913	157.217	5H	0	165.000	161.418	0.315	161.103	159.135	0.630	158.505
				6g	0.080	164.920	0.600	164.320	161.023	0.300	160.723	157.027	6H	0	165.000	161.503	0.400	161.103	159.305	0.800	158.505
				8g	0.080	164.920	0.950	163.970	161.023	0.475	160.548	156.852	7H	0	165.000	161.603	0.500	161.103	159.505	1.000	158.505
170			3	4h	0	170.000	0.236	169.764	168.051	0.140	167.911	166.063	5H	0	170.000	168.287	0.236	168.051	167.152	0.400	166.752
				6g	0.048	169.952	0.375	169.577	168.003	0.224	167.779	165.931	6H	0	170.000	168.351	0.300	168.051	167.252	0.500	166.752
				8g	0.048	169.952	0.600	169.352	168.003	0.355	167.648	165.800	7H	0	170.000	168.426	0.375	168.051	167.382	0.630	166.752
			4	4h	0	170.000	0.300	169.700	167.402	0.160	167.242	164.778	5H	0	170.000	167.667	0.265	167.402	166.145	0.475	165.670
				6g	0.060	169.940	0.475	169.465	167.342	0.250	167.092	164.628	6H	0	170.000	167.737	0.335	167.402	166.270	0.600	165.670
				8g	0.060	169.940	0.750	169.190	167.342	0.400	166.942	164.478	7H	0	170.000	167.827	0.425	167.402	166.420	0.750	165.670
			6	4h	0	170.000	0.375	169.625	166.103	0.190	165.913	162.217	5H	0	170.000	166.418	0.315	166.103	164.135	0.630	163.505
				6g	0.080	169.920	0.600	169.320	166.023	0.300	165.723	162.027	6H	0	170.000	166.503	0.400	166.103	164.305	0.800	163.505
				8g	0.080	169.920	0.950	168.970	166.023	0.475	165.548	161.852	7H	0	170.000	166.603	0.500	166.103	164.505	1.000	163.505
175			3	4h	0	175.000	0.236	174.764	173.051	0.140	172.911	171.063	5H	0	175.000	173.287	0.236	173.051	172.152	0.400	171.752
				6g	0.048	174.952	0.375	174.577	173.003	0.224	172.779	170.931	6H	0	175.000	173.351	0.300	173.051	172.252	0.500	171.752
				8g	0.048	174.952	0.600	174.352	173.003	0.355	172.648	170.800	7H	0	175.000	173.426	0.375	173.051	172.382	0.630	171.752
			4	4h	0	175.000	0.300	174.700	172.402	0.160	172.242	169.778	5H	0	175.000	172.667	0.265	172.402	171.145	0.475	170.670
				6g	0.060	174.940	0.475	174.465	172.342	0.250	172.092	169.628	6H	0	175.000	172.737	0.335	172.402	171.270	0.600	170.670
				8g	0.060	174.940	0.750	174.190	172.342	0.400	171.942	169.478	7H	0	175.000	172.827	0.425	172.402	171.420	0.750	170.670
			6	4h	0	175.000	0.375	174.625	171.103	0.190	170.913	167.217	5H	0	175.000	171.418	0.315	171.103	169.135	0.630	168.505
				6g	0.080	174.920	0.600	174.320	171.023	0.300	170.723	167.027	6H	0	175.000	171.503	0.400	171.103	169.305	0.800	168.505
				8g	0.080	174.920	0.950	173.970	171.023	0.475	170.548	166.852	7H	0	175.000	171.603	0.500	171.103	169.505	1.000	168.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
180			3	4h	0	180.000	0.236	179.764	178.051	0.140	177.911	176.063	5H	0	180.000	178.287	0.236	178.051	177.152	0.400	176.752
				6g	0.048	179.952	0.375	179.577	178.003	0.224	177.779	175.931	6H	0	180.000	178.351	0.300	178.051	177.252	0.500	176.752
				8g	0.048	179.952	0.600	179.352	178.003	0.355	177.648	175.800	7H	0	180.000	178.426	0.375	178.051	177.382	0.630	176.752
			4	4h	0	180.000	0.300	179.700	177.402	0.160	177.242	174.778	5H	0	180.000	177.667	0.265	177.402	176.145	0.475	175.670
				6g	0.060	179.940	0.475	179.465	177.342	0.250	177.092	174.628	6H	0	180.000	177.737	0.335	177.402	176.270	0.600	175.670
				8g	0.060	179.940	0.750	179.190	177.342	0.400	176.942	174.478	7H	0	180.000	177.827	0.425	177.402	176.420	0.750	175.670
			6	4h	0	180.000	0.375	179.625	176.103	0.190	175.913	172.217	5H	0	180.000	176.418	0.315	176.103	174.135	0.630	173.505
				6g	0.080	179.920	0.600	179.320	176.023	0.300	175.723	172.027	6H	0	180.000	176.503	0.400	176.103	174.305	0.800	173.505
				8g	0.080	179.920	0.950	178.970	176.023	0.475	175.548	171.852	7H	0	180.000	176.603	0.500	176.103	174.505	1.000	173.505
185			3	4h	0	185.000	0.236	184.764	183.051	0.160	182.891	181.043	5H	0	185.000	183.316	0.265	183.051	182.152	0.400	181.752
				6g	0.048	184.952	0.375	184.577	183.003	0.250	182.753	180.905	6H	0	185.000	183.386	0.335	183.051	182.252	0.500	181.752
				8g	0.048	184.952	0.600	184.352	183.003	0.400	182.603	180.755	7H	0	185.000	183.476	0.425	183.051	182.382	0.630	181.752
			4	4h	0	185.000	0.300	184.700	182.402	0.180	182.222	179.758	5H	0	185.000	182.702	0.300	182.402	181.145	0.475	180.670
				6g	0.060	184.940	0.475	184.465	182.342	0.280	182.062	179.598	6H	0	185.000	182.777	0.375	182.402	181.270	0.600	180.670
				8g	0.060	184.940	0.750	184.190	182.342	0.450	181.892	179.428	7H	0	185.000	182.877	0.475	182.402	181.420	0.750	180.670
			6	4h	0	185.000	0.375	184.625	181.103	0.200	180.903	177.207	5H	0	185.000	181.438	0.335	181.103	179.135	0.630	178.505
				6g	0.080	184.920	0.600	184.320	181.023	0.315	180.708	177.012	6H	0	185.000	181.528	0.425	181.103	179.305	0.800	178.505
				8g	0.080	184.920	0.950	183.970	181.023	0.500	180.523	176.827	7H	0	185.000	181.633	0.530	181.103	179.505	1.000	178.505
190			3	4h	0	190.000	0.236	189.764	188.051	0.160	187.891	186.043	5H	0	190.000	188.316	0.265	188.051	187.152	0.400	186.752
				6g	0.048	189.952	0.375	189.577	188.003	0.250	187.753	185.905	6H	0	190.000	188.386	0.335	188.051	187.252	0.500	186.752
				8g	0.048	189.952	0.600	189.352	188.003	0.400	187.603	185.755	7H	0	190.000	188.476	0.425	188.051	187.382	0.630	186.752
			4	4h	0	190.000	0.300	189.700	187.402	0.180	187.222	184.758	5H	0	190.000	187.702	0.300	187.402	186.145	0.475	185.670
				6g	0.060	189.940	0.475	189.465	187.342	0.280	187.062	184.598	6H	0	190.000	187.777	0.375	187.402	186.270	0.600	185.670
				8g	0.060	189.940	0.750	189.190	187.342	0.450	186.892	184.428	7H	0	190.000	187.877	0.475	187.402	186.420	0.750	185.670
			6	4h	0	190.000	0.375	189.625	186.103	0.200	185.903	182.207	5H	0	190.000	186.438	0.335	186.103	184.135	0.630	183.505
				6g	0.080	189.920	0.600	189.320	186.023	0.315	185.708	182.012	6H	0	190.000	186.528	0.425	186.103	184.305	0.800	183.505
				8g	0.080	189.920	0.950	188.970	186.023	0.500	185.523	181.827	7H	0	190.000	186.633	0.530	186.103	184.505	1.000	183.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
195			3	4h	0	195.000	0.236	194.764	193.051	0.160	192.891	191.043	5H	0	195.000	193.316	0.265	193.051	192.152	0.400	191.752
				6g	0.048	194.952	0.375	194.577	193.003	0.250	192.753	190.905	6H	0	195.000	193.386	0.335	193.051	192.252	0.500	191.752
				8g	0.048	194.952	0.600	194.352	193.003	0.400	192.603	190.755	7H	0	195.000	193.476	0.425	193.051	192.382	0.630	191.752
			4	4h	0	195.000	0.300	194.700	192.402	0.180	192.222	189.758	5H	0	195.000	192.702	0.300	192.402	191.145	0.475	190.670
				6g	0.060	194.940	0.475	194.465	192.342	0.280	192.062	189.598	6H	0	195.000	192.777	0.375	192.402	191.270	0.600	190.670
				8g	0.060	194.940	0.750	194.190	192.342	0.450	191.892	189.428	7H	0	195.000	192.877	0.475	192.402	191.420	0.750	190.670
			6	4h	0	195.000	0.375	194.625	191.103	0.200	190.903	187.207	5H	0	195.000	191.438	0.335	191.103	189.135	0.630	188.505
				6g	0.080	194.920	0.600	194.320	191.023	0.315	190.708	187.012	6H	0	195.000	191.528	0.425	191.103	189.305	0.800	188.505
				8g	0.080	194.920	0.950	193.970	191.023	0.500	190.523	186.827	7H	0	195.000	191.633	0.530	191.103	189.505	1.000	188.505
200			3	4h	0	200.000	0.236	199.764	198.051	0.160	197.891	196.043	5H	0	200.000	198.316	0.265	198.051	197.152	0.400	196.752
				6g	0.048	199.952	0.375	199.577	198.003	0.250	197.753	195.905	6H	0	200.000	198.386	0.335	198.051	197.252	0.500	196.752
				8g	0.048	199.952	0.600	199.352	198.003	0.400	197.603	195.755	7H	0	200.000	198.476	0.425	198.051	197.382	0.630	196.752
			4	4h	0	200.000	0.300	199.700	197.402	0.180	197.222	194.758	5H	0	200.000	197.702	0.300	197.402	196.145	0.475	195.670
				6g	0.060	199.940	0.475	199.465	197.342	0.280	197.062	194.598	6H	0	200.000	197.777	0.375	197.402	196.270	0.600	195.670
				8g	0.060	199.940	0.750	199.190	197.342	0.450	196.892	194.428	7H	0	200.000	197.877	0.475	197.402	196.420	0.750	195.670
			6	4h	0	200.000	0.375	199.625	196.103	0.200	195.903	192.207	5H	0	200.000	196.438	0.335	196.103	194.135	0.630	193.505
				6g	0.080	199.920	0.600	199.320	196.023	0.315	195.708	192.012	6H	0	200.000	196.528	0.425	196.103	194.305	0.800	193.505
				8g	0.080	199.920	0.950	198.970	196.023	0.500	195.523	191.827	7H	0	200.000	196.633	0.530	196.103	194.505	1.000	193.505
205			3	4h	0	205.000	0.236	204.764	203.051	0.160	202.891	201.043	5H	0	205.000	203.316	0.265	203.051	202.152	0.400	201.752
				6g	0.048	204.952	0.375	204.577	203.003	0.250	202.753	200.905	6H	0	205.000	203.386	0.335	203.051	202.252	0.500	201.752
				8g	0.048	204.952	0.600	204.352	203.003	0.400	202.603	200.755	7H	0	205.000	203.476	0.425	203.051	202.382	0.630	201.752
			4	4h	0	205.000	0.300	204.700	202.402	0.180	202.222	199.758	5H	0	205.000	202.702	0.300	202.402	201.145	0.475	200.670
				6g	0.060	204.940	0.475	204.465	202.342	0.280	202.062	199.598	6H	0	205.000	202.777	0.375	202.402	201.270	0.600	200.670
				8g	0.060	204.940	0.750	204.190	202.342	0.450	201.892	199.428	7H	0	205.000	202.877	0.475	202.402	201.420	0.750	200.670
			6	4h	0	205.000	0.375	204.625	201.103	0.200	200.903	197.207	5H	0	205.000	201.438	0.335	201.103	199.135	0.630	198.505
				6g	0.080	204.920	0.600	204.320	201.023	0.315	200.708	197.012	6H	0	205.000	201.528	0.425	201.103	199.305	0.800	198.505
				8g	0.080	204.920	0.950	203.970	201.023	0.500	200.523	196.827	7H	0	205.000	201.633	0.530	201.103	199.505	1.000	198.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
210			3	4h	0	210.000	0.236	209.764	208.051	0.160	207.891	206.043	5H	0	210.000	208.316	0.265	208.051	207.152	0.400	206.752
				6g	0.048	209.952	0.375	209.577	208.003	0.250	207.753	205.905	6H	0	210.000	208.386	0.335	208.051	207.252	0.500	206.752
				8g	0.048	209.952	0.600	209.352	208.003	0.400	207.603	205.755	7H	0	210.000	208.476	0.425	208.051	207.382	0.630	206.752
			4	4h	0	210.000	0.300	209.700	207.402	0.180	207.222	204.758	5H	0	210.000	207.702	0.300	207.402	206.145	0.475	205.670
				6g	0.060	209.940	0.475	209.465	207.342	0.280	207.062	204.598	6H	0	210.000	207.777	0.375	207.402	206.270	0.600	205.670
				8g	0.060	209.940	0.750	209.190	207.342	0.450	206.892	204.428	7H	0	210.000	207.877	0.475	207.402	206.420	0.750	205.670
			6	4h	0	210.000	0.375	209.625	206.103	0.200	205.903	202.207	5H	0	210.000	206.438	0.335	206.103	204.135	0.630	203.505
				6g	0.080	209.920	0.600	209.320	206.023	0.315	205.708	202.012	6H	0	210.000	206.528	0.425	206.103	204.305	0.800	203.505
				8g	0.080	209.920	0.950	208.970	206.023	0.500	205.523	201.827	7H	0	210.000	206.633	0.530	206.103	204.505	1.000	203.505
215			3	4h	0	215.000	0.236	214.764	213.051	0.160	212.891	211.043	5H	0	215.000	213.316	0.265	213.051	212.152	0.400	211.752
				6g	0.048	214.952	0.375	214.577	213.003	0.250	212.753	210.905	6H	0	215.000	213.386	0.335	213.051	212.252	0.500	211.752
				8g	0.048	214.952	0.600	214.352	213.003	0.400	212.603	210.755	7H	0	215.000	213.476	0.425	213.051	212.382	0.630	211.752
			4	4h	0	215.000	0.300	214.700	212.402	0.180	212.222	209.758	5H	0	215.000	212.702	0.300	212.402	211.145	0.475	210.670
				6g	0.060	214.940	0.475	214.465	212.342	0.280	212.062	209.598	6H	0	215.000	212.777	0.375	212.402	211.270	0.600	210.670
				8g	0.060	214.940	0.750	214.190	212.342	0.450	211.892	209.428	7H	0	215.000	212.877	0.475	212.402	211.420	0.750	210.670
			6	4h	0	215.000	0.375	214.625	211.103	0.200	210.903	207.207	5H	0	215.000	211.438	0.335	211.103	209.135	0.630	208.505
				6g	0.080	214.920	0.600	214.320	211.023	0.315	210.708	207.012	6H	0	215.000	211.528	0.425	211.103	209.305	0.800	208.505
				8g	0.080	214.920	0.950	213.970	211.023	0.500	210.523	206.827	7H	0	215.000	211.633	0.530	211.103	209.505	1.000	208.505
220			3	4h	0	220.000	0.236	219.764	218.051	0.160	217.891	216.043	5H	0	220.000	218.316	0.265	218.051	217.152	0.400	216.752
				6g	0.048	219.952	0.375	219.577	218.003	0.250	217.753	215.905	6H	0	220.000	218.386	0.335	218.051	217.252	0.500	216.752
				8g	0.048	219.952	0.600	219.352	218.003	0.400	217.603	215.755	7H	0	220.000	218.476	0.425	218.051	217.382	0.630	216.752
			4	4h	0	220.000	0.300	219.700	217.402	0.180	217.222	214.758	5H	0	220.000	217.702	0.300	217.402	216.145	0.475	215.670
				6g	0.060	219.940	0.475	219.465	217.342	0.280	217.062	214.598	6H	0	220.000	217.777	0.375	217.402	216.270	0.600	215.670
				8g	0.060	219.940	0.750	219.190	217.342	0.450	216.892	214.428	7H	0	220.000	217.877	0.475	217.402	216.420	0.750	215.670
			6	4h	0	220.000	0.375	219.625	216.103	0.200	215.903	212.207	5H	0	220.000	216.438	0.335	216.103	214.135	0.630	213.505
				6g	0.080	219.920	0.600	219.320	216.023	0.315	215.708	212.012	6H	0	220.000	216.528	0.425	216.103	214.305	0.800	213.505
				8g	0.080	219.920	0.950	218.970	216.023	0.500	215.523	211.827	7H	0	220.000	216.633	0.530	216.103	214.505	1.000	213.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

Dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
225			3	4h	0	225.000	0.236	224.764	223.051	0.160	222.891	221.043	5H	0	225.000	223.316	0.265	223.051	222.152	0.400	221.752
				6g	0.048	224.952	0.375	224.577	223.003	0.250	222.753	220.905	6H	0	225.000	223.386	0.335	223.051	222.252	0.500	221.752
				8g	0.048	224.952	0.600	224.352	223.003	0.400	222.603	220.755	7H	0	225.000	223.476	0.425	223.051	222.382	0.630	221.752
			4	4h	0	225.000	0.300	224.700	222.402	0.180	222.222	219.758	5H	0	225.000	222.702	0.300	222.402	221.145	0.475	220.670
				6g	0.060	224.940	0.475	224.465	222.342	0.280	222.062	219.598	6H	0	225.000	222.777	0.375	222.402	221.270	0.600	220.670
				8g	0.060	224.940	0.750	224.190	222.342	0.450	221.892	219.428	7H	0	225.000	222.877	0.475	222.402	221.420	0.750	220.670
			6	4h	0	225.000	0.375	224.625	224.103	0.200	220.903	217.207	5H	0	225.000	221.438	0.335	221.103	219.135	0.630	218.505
				6g	0.080	224.920	0.600	224.320	224.023	0.315	220.708	217.012	6H	0	225.000	221.528	0.425	221.103	219.305	0.800	218.505
				8g	0.080	224.920	0.950	223.970	224.023	0.500	220.523	216.827	7H	0	225.000	221.633	0.530	221.103	219.505	1.000	218.505
230			3	4h	0	230.000	0.236	229.764	228.051	0.160	227.891	226.043	5H	0	230.000	228.316	0.265	228.051	227.152	0.400	226.752
				6g	0.048	229.952	0.375	229.577	228.003	0.250	227.753	225.905	6H	0	230.000	228.386	0.335	228.051	227.252	0.500	226.752
				8g	0.048	229.952	0.600	229.352	228.003	0.400	227.603	225.755	7H	0	230.000	228.476	0.425	228.051	227.382	0.630	226.752
			4	4h	0	230.000	0.300	229.700	227.402	0.180	227.222	224.758	5H	0	230.000	227.702	0.300	227.402	226.145	0.475	225.670
				6g	0.060	229.940	0.475	229.465	227.342	0.280	227.062	224.598	6H	0	230.000	227.777	0.375	227.402	226.270	0.600	225.670
				8g	0.060	229.940	0.750	229.190	227.342	0.450	226.892	224.428	7H	0	230.000	227.877	0.475	227.402	226.420	0.750	225.670
			6	4h	0	230.000	0.375	229.625	226.103	0.200	225.903	222.207	5H	0	230.000	226.438	0.335	226.103	224.135	0.630	223.505
				6g	0.080	229.920	0.600	229.320	226.023	0.315	225.708	222.012	6H	0	230.000	226.528	0.425	226.103	224.305	0.800	223.505
				8g	0.080	229.920	0.950	228.970	226.023	0.500	225.523	221.827	7H	0	230.000	226.633	0.530	226.103	224.505	1.000	223.505
235			3	4h	0	235.000	0.236	234.764	233.051	0.160	232.891	231.043	5H	0	235.000	233.316	0.265	233.051	232.152	0.400	231.752
				6g	0.048	234.952	0.375	234.577	233.003	0.250	232.753	230.905	6H	0	235.000	233.386	0.335	233.051	232.252	0.500	231.752
				8g	0.048	234.952	0.600	234.352	233.003	0.400	232.603	230.755	7H	0	235.000	233.476	0.425	233.051	232.382	0.630	231.752
			4	4h	0	235.000	0.300	234.700	232.402	0.180	232.222	229.758	5H	0	235.000	232.702	0.300	232.402	231.145	0.475	230.670
				6g	0.060	234.940	0.475	234.465	232.342	0.280	232.062	229.598	6H	0	235.000	232.777	0.375	232.402	231.270	0.600	230.670
				8g	0.060	234.940	0.750	234.190	232.342	0.450	231.892	229.428	7H	0	235.000	232.877	0.475	232.402	231.420	0.750	230.670
			6	4h	0	235.000	0.375	234.625	231.103	0.200	230.903	227.207	5H	0	235.000	231.438	0.335	231.103	229.135	0.630	228.505
				6g	0.080	234.920	0.600	234.320	231.023	0.315	230.708	227.012	6H	0	235.000	231.528	0.425	231.103	229.305	0.800	228.505
				8g	0.080	234.920	0.950	233.970	231.023	0.500	230.523	226.827	7H	0	235.000	231.633	0.530	231.103	229.505	1.000	228.505

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
240			3	4h	0	240.000	0.236	239.764	238.051	0.160	237.891	236.043	5H	0	240.000	238.316	0.265	238.051	237.152	0.400	236.752
				6g	0.048	239.952	0.375	239.577	238.003	0.250	237.753	235.905	6H	0	240.000	238.386	0.335	238.051	237.252	0.500	236.752
				8g	0.048	239.952	0.600	239.352	238.003	0.400	237.603	235.755	7H	0	240.000	238.476	0.425	238.051	237.382	0.630	236.752
			4	4h	0	240.000	0.300	239.700	237.402	0.180	237.222	234.758	5H	0	240.000	237.702	0.300	237.402	236.145	0.475	235.670
				6g	0.060	239.940	0.475	239.465	237.342	0.280	237.062	234.598	6H	0	240.000	237.777	0.375	237.402	236.270	0.600	235.670
				8g	0.060	239.940	0.750	239.190	237.342	0.450	236.892	234.428	7H	0	240.000	237.877	0.475	237.402	236.420	0.750	235.670
			6	4h	0	240.000	0.375	239.625	236.103	0.200	235.903	232.207	5H	0	240.000	236.438	0.335	236.103	234.135	0.630	233.505
				6g	0.080	239.920	0.600	239.320	236.023	0.315	235.708	232.012	6H	0	240.000	236.528	0.425	236.103	234.305	0.800	233.505
				8g	0.080	239.920	0.950	238.970	236.023	0.500	235.523	231.827	7H	0	240.000	236.633	0.530	236.103	234.505	1.000	233.505
245			3	4h	0	245.000	0.236	244.764	243.051	0.160	242.891	241.043	5H	0	245.000	243.316	0.265	243.051	242.152	0.400	241.752
				6g	0.048	244.952	0.375	244.577	243.003	0.250	242.753	240.905	6H	0	245.000	243.386	0.335	243.051	242.252	0.500	241.752
				8g	0.048	244.952	0.600	244.352	243.003	0.400	242.603	240.755	7H	0	245.000	243.476	0.425	243.051	242.382	0.630	241.752
			4	4h	0	245.000	0.300	244.700	242.402	0.180	242.222	239.758	5H	0	245.000	242.702	0.300	242.402	241.145	0.475	240.670
				6g	0.060	244.940	0.475	244.465	242.342	0.280	242.062	239.598	6H	0	245.000	242.777	0.375	242.402	241.270	0.600	240.670
				8g	0.060	244.940	0.750	244.190	242.342	0.450	241.892	239.428	7H	0	245.000	242.877	0.475	242.402	241.420	0.750	240.670
			6	4h	0	245.000	0.375	244.625	241.103	0.200	240.903	237.207	5H	0	245.000	241.438	0.335	241.103	239.135	0.630	238.505
				6g	0.080	244.920	0.600	244.320	241.023	0.315	240.708	237.012	6H	0	245.000	241.528	0.425	241.103	239.305	0.800	238.505
				8g	0.080	244.920	0.950	243.970	241.023	0.500	240.523	236.827	7H	0	245.000	241.633	0.530	241.103	239.505	1.000	238.505
250			3	4h	0	250.000	0.236	249.764	248.051	0.160	247.891	246.043	5H	0	250.000	248.316	0.265	248.051	247.152	0.400	246.752
				6g	0.048	249.952	0.375	249.577	248.003	0.250	247.753	245.905	6H	0	250.000	248.386	0.335	248.051	247.252	0.500	246.752
				8g	0.048	249.952	0.600	249.352	248.003	0.400	247.603	245.755	7H	0	250.000	248.476	0.425	248.051	247.382	0.630	246.752
			4	4h	0	250.000	0.300	249.700	247.402	0.180	247.222	244.758	5H	0	250.000	247.702	0.300	247.402	246.145	0.475	245.670
				6g	0.060	249.940	0.475	249.465	247.342	0.280	247.062	244.598	6H	0	250.000	247.777	0.375	247.402	246.270	0.600	245.670
				8g	0.060	249.940	0.750	249.190	247.342	0.450	247.892	244.428	7H	0	250.000	247.877	0.475	247.402	246.420	0.750	245.670
			6	4h	0	250.000	0.375	249.625	246.103	0.200	245.903	242.207	5H	0	250.000	246.438	0.335	246.103	244.135	0.630	243.505
				6g	0.080	249.920	0.600	249.320	246.023	0.315	245.708	242.012	6H	0	250.000	246.528	0.425	246.103	244.305	0.800	243.505
				8g	0.080	249.920	0.950	248.970	246.023	0.500	245.523	241.827	7H	0	250.000	246.633	0.530	246.103	244.505	1.000	243.505

Table 1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
255			4	4h	0	255.000	0.300	254.700	252.402	0.180	252.222	249.758	5H	0	255.000	252.702	0.300	252.402	251.145	0.475	250.670
				6g	0.060	254.940	0.475	254.465	252.342	0.280	252.062	249.598	6H	0	255.000	252.777	0.375	252.402	251.270	0.600	250.670
				8g	0.060	254.940	0.750	254.190	252.342	0.450	251.892	249.428	7H	0	255.000	252.877	0.475	252.402	251.420	0.750	250.670
			6	4h	0	255.000	0.375	254.625	251.103	0.200	250.903	247.207	5H	0	255.000	251.438	0.335	251.103	249.135	0.630	248.505
				6g	0.080	254.920	0.600	254.320	251.023	0.315	250.708	247.012	6H	0	255.000	251.528	0.425	251.103	249.305	0.800	248.505
				8g	0.080	254.920	0.950	253.970	251.023	0.500	250.523	246.827	7H	0	255.000	251.633	0.530	251.103	249.505	1.000	248.505
260			4	4h	0	260.000	0.300	259.700	257.402	0.180	257.222	254.758	5H	0	260.000	257.702	0.300	257.402	256.145	0.475	255.670
				6g	0.060	259.940	0.475	259.465	257.342	0.280	257.062	254.598	6H	0	260.000	257.777	0.375	257.402	256.270	0.600	255.670
				8g	0.060	259.940	0.750	259.190	257.342	0.450	256.892	254.428	7H	0	260.000	257.877	0.475	257.402	256.420	0.750	255.670
			6	4h	0	260.000	0.375	259.625	256.103	0.200	255.903	252.207	5H	0	260.000	256.438	0.335	256.103	254.135	0.630	253.505
				6g	0.080	259.920	0.600	259.320	256.023	0.315	255.708	252.012	6H	0	260.000	256.528	0.425	256.103	254.305	0.800	253.505
				8g	0.080	259.920	0.950	258.970	256.023	0.500	255.523	251.827	7H	0	260.000	256.633	0.530	256.103	254.505	1.000	253.505
265			4	4h	0	265.000	0.300	264.700	262.402	0.180	262.222	259.758	5H	0	265.000	262.702	0.300	262.402	261.145	0.475	260.670
				6g	0.060	264.940	0.475	264.465	262.342	0.280	262.062	259.598	6H	0	265.000	262.777	0.375	262.402	261.270	0.600	260.670
				8g	0.060	264.940	0.750	264.190	262.342	0.450	261.892	259.428	7H	0	265.000	262.877	0.475	262.402	261.420	0.750	260.670
			6	4h	0	265.000	0.375	264.625	261.103	0.200	260.903	257.207	5H	0	265.000	261.438	0.335	261.103	259.135	0.630	258.505
				6g	0.080	264.920	0.600	264.320	261.023	0.315	260.708	257.012	6H	0	265.000	261.528	0.425	261.103	259.305	0.800	258.505
				8g	0.080	264.920	0.950	263.970	261.023	0.500	260.523	256.827	7H	0	265.000	261.633	0.530	261.103	259.505	1.000	258.505
270			4	4h	0	270.000	0.300	269.700	267.402	0.180	267.222	264.758	5H	0	270.000	267.702	0.300	267.402	266.145	0.475	265.670
				6g	0.060	269.940	0.475	269.465	267.342	0.280	267.062	264.598	6H	0	270.000	267.777	0.375	267.402	266.270	0.600	265.670
				8g	0.060	269.940	0.750	269.190	267.342	0.450	266.892	264.428	7H	0	270.000	267.877	0.475	267.402	266.420	0.750	265.670
			6	4h	0	270.000	0.375	269.625	266.103	0.200	265.903	262.207	5H	0	270.000	266.438	0.335	266.103	264.135	0.630	263.505
				6g	0.080	269.920	0.600	269.320	266.023	0.315	265.708	262.012	6H	0	270.000	266.528	0.425	266.103	264.305	0.800	263.505
				8g	0.080	269.920	0.950	268.970	266.023	0.500	265.523	261.827	7H	0	270.000	266.633	0.530	266.103	264.505	1.000	263.505
275			4	4h	0	275.000	0.300	274.700	272.402	0.180	272.222	269.758	5H	0	275.000	272.702	0.300	272.402	271.145	0.475	270.670
				6g	0.060	274.940	0.475	274.465	272.342	0.280	272.062	269.598	6H	0	275.000	272.777	0.375	272.402	271.270	0.600	270.670
				8g	0.060	274.940	0.750	274.190	272.342	0.450	271.892	269.428	7H	0	275.000	272.877	0.475	272.402	271.420	0.750	270.670
			6	4h	0	275.000	0.375	274.625	271.103	0.200	270.903	267.207	5H	0	275.000	271.438	0.335	271.103	269.135	0.630	268.505
				6g	0.080	274.920	0.600	274.320	271.023	0.315	270.708	267.012	6H	0	275.000	271.528	0.425	271.103	269.305	0.800	268.505
				8g	0.080	274.920	0.950	273.970	271.023	0.500	270.523	266.827	7H	0	275.000	271.633	0.530	271.103	269.505	1.000	268.505

Table 1 ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement (*continued*)

All dimensions are in millimetres

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
280			4	4h	0	280.000	0.300	279.700	277.402	0.180	277.222	274.758	5H	0	280.000	277.702	0.300	277.402	276.145	0.475	275.670
				6g	0.060	279.940	0.475	279.465	277.342	0.280	277.062	274.598	6H	0	280.000	277.777	0.375	277.402	276.270	0.600	275.670
				8g	0.060	279.940	0.750	279.190	277.342	0.450	276.892	274.428	7H	0	280.000	277.877	0.475	277.402	276.420	0.750	275.670
			6	4h	0	280.000	0.375	279.625	276.103	0.200	275.903	272.207	5H	0	280.000	276.438	0.335	276.103	274.135	0.630	273.505
				6g	0.080	279.920	0.600	279.320	276.023	0.315	275.708	272.012	6H	0	280.000	276.528	0.425	276.103	274.305	0.800	273.505
				8g	0.080	279.920	0.950	278.970	276.023	0.500	275.523	271.827	7H	0	280.000	276.633	0.530	276.103	274.505	1.000	273.505
285			4	4h	0	285.000	0.300	284.700	282.402	0.180	282.222	279.758	5H	0	285.000	282.702	0.300	282.402	281.145	0.475	280.670
				6g	0.060	284.940	0.475	284.465	282.342	0.280	282.062	279.598	6H	0	285.000	282.777	0.375	282.402	281.270	0.600	280.670
				8g	0.060	284.940	0.750	284.190	282.342	0.450	281.892	279.428	7H	0	285.000	282.877	0.475	282.402	281.420	0.750	280.670
			6	4h	0	285.000	0.375	284.625	281.103	0.200	280.903	277.207	5H	0	285.000	281.438	0.335	281.103	279.135	0.630	278.505
				6g	0.080	284.920	0.600	284.320	281.023	0.315	280.708	277.012	6H	0	285.000	281.528	0.425	281.103	279.305	0.800	278.505
				8g	0.080	284.920	0.950	283.970	281.023	0.500	280.523	276.827	7H	0	285.000	281.633	0.530	281.103	279.505	1.000	278.505
290			4	4h	0	290.000	0.300	289.700	287.402	0.180	287.222	284.758	5H	0	290.000	287.702	0.300	287.402	286.145	0.475	285.670
				6g	0.060	289.940	0.475	289.465	287.342	0.280	287.062	284.598	6H	0	290.000	287.777	0.375	287.402	286.270	0.600	285.670
				8g	0.060	289.940	0.750	289.190	287.342	0.450	286.892	284.428	7H	0	290.000	287.877	0.475	287.402	286.420	0.750	285.670
			6	4h	0	290.000	0.375	289.625	286.103	0.200	285.903	282.207	5H	0	290.000	286.438	0.335	286.103	284.135	0.630	283.505
				6g	0.080	289.920	0.600	289.320	286.023	0.315	285.708	282.012	6H	0	290.000	286.528	0.425	286.103	284.305	0.800	283.505
				8g	0.080	289.920	0.950	288.970	286.023	0.500	285.523	281.827	7H	0	290.000	286.633	0.530	286.103	284.505	1.000	283.505
295			4	4h	0	295.000	0.300	294.700	292.402	0.180	292.222	289.758	5H	0	295.000	292.702	0.300	292.402	291.145	0.475	290.670
				6g	0.060	294.940	0.475	294.465	292.342	0.280	292.062	289.598	6H	0	295.000	292.777	0.375	292.402	291.270	0.600	290.670
				8g	0.060	294.940	0.750	294.190	292.342	0.450	291.892	289.428	7H	0	295.000	292.877	0.475	292.402	291.420	0.750	290.670
			6	4h	0	295.000	0.375	294.625	291.103	0.200	290.903	287.207	5H	0	295.000	291.438	0.335	291.103	289.135	0.630	288.505
				6g	0.080	294.920	0.600	294.320	291.023	0.315	290.708	287.012	6H	0	295.000	291.528	0.425	291.103	289.305	0.800	288.505
				8g	0.080	294.920	0.950	293.970	291.023	0.500	290.523	286.827	7H	0	295.000	291.633	0.530	291.103	289.505	1.000	288.505
300			4	4h	0	300.000	0.300	299.700	297.402	0.180	297.222	294.758	5H	0	300.000	297.702	0.300	297.402	296.145	0.475	295.670
				6g	0.060	299.940	0.475	299.465	297.342	0.280	297.062	294.598	6H	0	300.000	297.777	0.375	297.402	296.270	0.600	295.670
				8g	0.060	299.940	0.750	299.190	297.342	0.450	296.892	294.428	7H	0	300.000	297.877	0.475	297.402	296.420	0.750	295.670
			6	4h	0	300.000	0.375	299.625	296.103	0.200	295.903	292.207	5H	0	300.000	296.438	0.335	296.103	294.135	0.630	293.505
				6g	0.080	299.920	0.600	299.320	296.023	0.315	295.708	292.012	6H	0	300.000	296.528	0.425	296.103	294.305	0.800	293.505
				8g	0.080	299.920	0.950	298.970	296.023	0.500	295.523	291.827	7H	0	300.000	296.633	0.530	296.103	294.505	1.000	293.505

Annex A (normative)

Fundamental deviations, tolerances and limits of size for additional tolerance classes for aerospace use

The fundamental deviations, tolerances and limits of size for tolerance classes 4H, 6h and 4g shall be as specified in Table A.1.

NOTE 1 These are primarily for aerospace use.

*NOTE 2 For the minor diameter of external threads Table A.1 specifies the minimum dimensions only. The maximum dimensions have not been specified because of the requirement in BS 3643-1:2007, **7.9** that these dimensions are to be controlled by the GO gauge.*

Table A.1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement for aerospace use

All dimensions are in millimetres.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
1.6	0.35			6h	0	1.600	0.085	1.515	1.373	0.063	1.310	1.094	4H								
				4g	0.019	1.581	0.053	1.528	1.354	0.040	1.314	1.098									
2	0.4			6h	0	2.000	0.095	1.905	1.740	0.067	1.673	1.427	4H		See Table 1						
				4g	0.019	1.981	0.060	1.921	1.721	0.042	1.679	1.433									
2.5	0.45			6h	0	2.500	0.100	2.400	2.208	0.071	2.137	1.859	4H								
				4g	0.020	2.480	0.063	2.417	2.188	0.045	2.143	1.865									
3	0.5			6h	0	3.000	0.106	2.894	2.675	0.075	2.600	2.292	4H	0	3.000	2.738	0.063	2.675	2.549	0.090	2.459
				4g	0.020	2.980	0.067	2.913	2.655	0.048	2.607	2.299									
4	0.7			6h	0	4.000	0.140	3.860	3.545	0.090	3.455	3.024	4H	0	4.000	3.620	0.075	3.545	3.354	0.112	3.242
				4g	0.022	3.978	0.090	3.888	3.523	0.056	3.467	3.036									
5	0.8			6h	0	5.000	0.150	4.850	4.480	0.095	4.385	3.892	4H	0	5.000	4.560	0.080	4.480	4.259	0.125	4.134
				4g	0.024	4.976	0.095	4.881	4.456	0.060	4.396	3.903									
6	1			6h	0	6.000	0.180	5.820	5.350	0.112	5.238	4.622	4H	0	6.000	5.445	0.095	5.350	5.067	0.150	4.917
				4g	0.026	5.974	0.112	5.863	5.324	0.071	5.253	4.637									
8	1.25			6h	0	8.000	0.212	7.788	7.188	0.118	7.070	6.300	4H	0	8.000	7.288	0.100	7.188	6.817	0.170	6.647
				4g	0.028	7.972	0.132	7.840	7.160	0.075	7.085	6.315									
10	1.5			6h	0	10.000	0.236	9.764	9.026	0.132	8.894	7.970	4H	0	10.00	9.138	0.112	9.026	8.566	0.190	8.376
				4g	0.032	9.968	0.150	9.818	8.994	0.085	8.909	7.985									
12			1.5	6h	0	12.000	0.236	11.764	11.026	0.140	10.886	9.962	4H	0	12.000	11.144	0.118	11.026	10.566	0.190	10.376
				4g	0.032	11.968	0.150	11.818	10.994	0.090	10.904	9.980									

Table A.1 – ISO metric screw threads – Limits and tolerances for finished uncoated threads for normal length of engagement for aerospace use (*continued*)

All dimensions are in millimetres.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Nominal diameter	**Pitch**			**External threads**									**Internal threads**								
	Coarse	**Fine**	**Constant**	**Tolerance class**	**Fund dev.**	**Major diameter**			**Pitch diameter**			**Minor diameter**	**Tolerance class**	**Fund dev.**	**Major diameter**	**Pitch diameter**			**Minor diameter**		
						max.	**tol.**	**min.**	**max.**	**tol.**	**min.**	**min.**			**min.**	**max.**	**tol.**	**min.**	**max.**	**tol.**	**min.**
14		1.5		6h	0	14.000	0.236	13.764	13.026	0.140	12.886	11.962									
				4g	0.032	13.968	0.150	13.818	12.994	0.090	12.904	11.980									
16		1.5		6h	0	16.000	0.236	15.764	15.026	0.140	14.886	13.962									
				4g	0.032	15.968	0.150	15.818	14.994	0.090	14.904	13.980									
18		1.5		6h	0	18.000	0.236	17.764	17.026	0.140	16.886	15.962									
				4g	0.032	17.968	0.150	17.818	16.994	0.090	16.904	15.980									
20		1.5		6h	0	20.000	0.236	19.764	19.026	0.140	18.886	17.962									
				4g	0.032	19.968	0.150	19.818	18.994	0.090	18.904	17.980									
22		1.5		6h	0	22.000	0.236	21.764	21.026	0.140	20.886	19.962									
				4g	0.032	21.968	0.150	21.818	20.994	0.090	20.904	19.980									
24		2		6h	0	24.000	0.280	23.720	22.701	0.170	22.531	21.299									
				4g	0.038	23.962	0.180	23.782	22.663	0.106	22.557	21.325									
27		2		6h	0	27.000	0.280	26.720	25.701	0.170	25.531	24.299									
				4g	0.038	26.962	0.180	26.782	25.663	0.106	25.557	24.325									
30		2		6h	0	30.000	0.280	29.720	28.701	0.170	28.531	27.299									
				4g	0.038	29.962	0.180	29.782	28.663	0.106	28.557	27.325									
33		2		6h	0	33.000	0.280	32.720	31.701	0.170	31.531	30.299									
				4g	0.038	32.962	0.180	32.782	31.663	0.106	31.557	30.325									
36			2	6h	0	36.000	0.280	35.720	34.701	0.170	34.531	33.299									
				4g	0.038	35.962	0.180	35.782	34.663	0.106	34.557	33.325									
39			2	6h	0	39.000	0.280	38.720	37.701	0.170	37.531	36.299									
				4g	0.038	38.962	0.180	38.782	37.663	0.106	37.557	36.325									

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Standards publications

For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

PD 6494, *Mismatch of screw thread systems*

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