
INTERNATIONAL STANDARD



1222

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Photography — Tripod connections

First edition — 1973-09-01

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 1222:1973](https://standards.iteh.ai/catalog/standards/sist/e3673165-2482-4f81-ae17-1a9c6cc03206/iso-1222-1973)

<https://standards.iteh.ai/catalog/standards/sist/e3673165-2482-4f81-ae17-1a9c6cc03206/iso-1222-1973>

UDC 771.347

Ref. No. ISO 1222-1973 (E)

Descriptors : photography, photographic equipment, cameras, accessories, couplings, screwthreads.

Price based on 2 pages

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 42, *Photography*, has reviewed ISO Recommendation R 1222-1971 and found it technically suitable for transformation. International Standard ISO 1222 therefore replaces ISO Recommendation R 1222-1971, which was approved by the Member Bodies of the following countries:

Argentina	Germany	New Zealand
Belgium	Greece	South Africa, Rep. of
Brazil	Israel	Sweden
Chile	Italy	Switzerland
Czechoslovakia	Japan	Thailand
Egypt, Arab Rep. of	Korea, Rep. of	United Kingdom
France	Netherlands	U.S.A.

No Member Body expressed disapproval of the Recommendation.

Photography — Tripod connections

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the screw connections to be used between a camera and a tripod or other accessories.

2 FORM, BASIC DIMENSIONS, DEVIATIONS AND TOLERANCES

The form and dimensions of the connections shall be as shown in the following figures and tables :

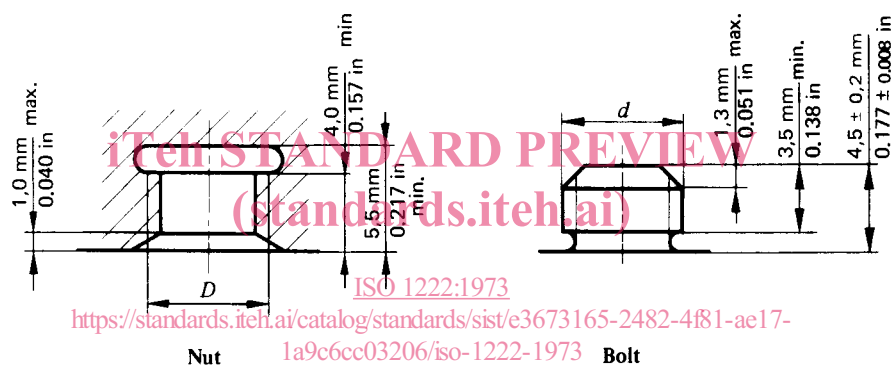


FIGURE 1 — Dimensions of nut and bolt

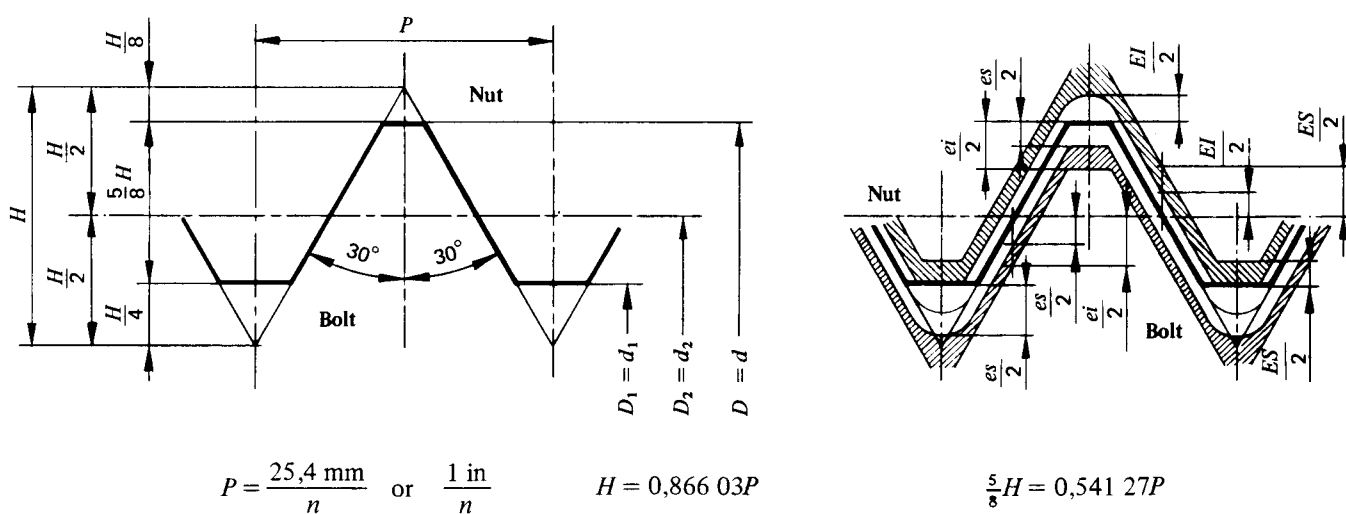


FIGURE 2 — Nut and bolt screw-threads

TABLE 1 – Nut threads

UNC MOD size (in)	Number of threads per 25,4 mm (1 in) <i>n</i>	Pitch <i>P</i>		Diameters		Major diameter <i>D</i>		Pitch diameter <i>D</i> ₂		Minor diameter <i>D</i> ₁	
		mm	in			mm	in	mm	in	mm	in
$\frac{1}{4}$	20	1,270	0.050 0	Basic dimensions		6,350	0.250 0	5,525	0.217 5	4,975	0.195 9
				Devia- tions	upper (<i>ES</i>)	---	---	+ 0,295	+ 0.011 6	+ 0,292	+ 0.011 5
					lower (<i>EI</i>)	+ 0,110	+ 0.004 3	+ 0,110	+ 0.004 3	0	0
				Tolerances		---	---	0,185	0.007 3	0,292	0.011 5
$\frac{3}{8}$	16	1,588	0.062 5	Basic dimensions		9,525	0.375 0	8,494	0.334 4	7,806	0.307 3
				Devia- tions	upper (<i>ES</i>)	---	---	+ 0,366	+ 0.014 4	+ 0,357	+ 0.014 1
					lower (<i>EI</i>)	+ 0,150	+ 0.005 9	+ 0,150	+ 0.005 9	0	0
				Tolerances		---	---	0,216	0.008 5	0,357	0.014 1

iTeh STANDARD PREVIEW
(standards.iteh.ai)

TABLE 2 – Bolt threads

UNC MOD size (in)	Number of threads per 25,4 mm (1 in) <i>n</i>	Pitch <i>P</i>		Diameters		Major diameter <i>d</i>		Pitch diameter <i>d</i> ₂		Minor diameter <i>d</i> ₁	
		mm	in			mm	in	mm	in	mm	in
$\frac{1}{4}$	20	1,270	0.050 0	Basic dimensions		6,350	0.250 0	5,525	0.217 5	4,975	0.195 9
				Devia- tions	upper (<i>es</i>)	− 0,028	− 0.001 1	− 0,028	− 0.001 1	− 0,212	− 0.008 3
					lower (<i>ei</i>)	− 0,338	− 0.013 3	− 0,170	− 0.006 7	---	---
				Tolerances		0,310	0.012 2	0,142	0.005 6	---	---
$\frac{3}{8}$	16	1,588	0.062 5	Basic dimensions		9,525	0.375 0	8,494	0.334 4	7,806	0.307 3
				Devia- tions	upper (<i>es</i>)	− 0,033	− 0.001 3	− 0,033	− 0.001 3	− 0,262	− 0.010 3
					lower (<i>ei</i>)	− 0,393	− 0.015 5	− 0,199	− 0.007 8	---	---
				Tolerances		0,360	0.014 2	0,166	0.006 5	---	---

NOTES

- 1 Basic profile of screw threads shall be in accordance with ISO/R 68, *ISO General purpose screw threads – Basic profile*.
- 2 Basic dimensions of screw threads shall be in accordance with ISO/R 725, *ISO Inch screw threads – Basic dimensions*.
- 3 Deviations and tolerances refer basically to UNC 1A and 1B (with minor changes for deviations *D* and *D₂* considering the international interchangeability with existing apparatus).