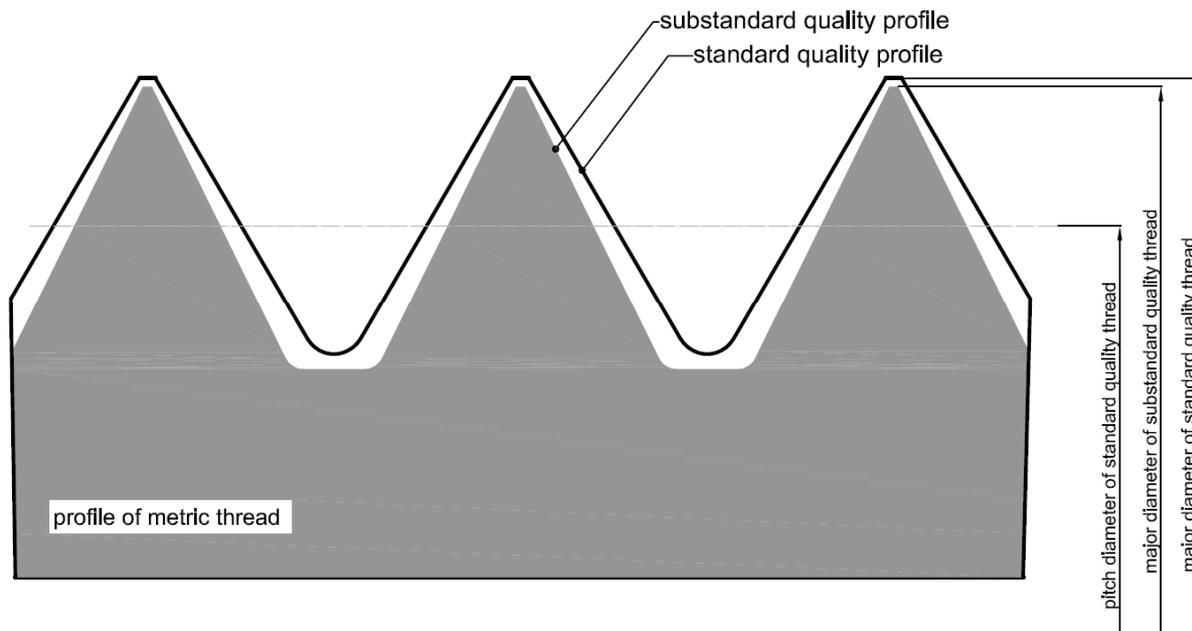


The Quality of rods with metric thread

We would like to inform you that in recent years we have increasingly encountered rods from certain sources, which are of insufficient quality and in some cases their use may present a considerable risk of the threaded connection failure. Unfortunately we came across rods, for which the reduction of production costs have a modified thread section, contrary to the standards they should comply with. While the outer diameter of the thread is virtually the same as on a properly manufactured rod, such rod production contains less material because of a different profile of the thread.



Possible problems:

- in case of load it may cause stripping of the thread or even breaking of the rod itself.
- during repeated tightening thread may cause stripping of the thread

Simple and Quick your check:

- bigger clearance between the nut and the threaded rod
- visual inspection of thread - a sharp angle a thin thread profile
- the fastest check of the thread quality, besides the visual inspection, is also the check of the correct weight of the threaded rod

Table of minimum weights of one-metre rods:

dimension of rods	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
min. weight [kgs]	0,039	0,072	0,113	0,167	0,30	0,47	0,69	0,93	1,24	1,57	1,98	2,44	2,86
dimension of rods	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64	M72
min. weight [kgs]	3,58	4,54	5,61	6,63	7,86	9,05	10,51	11,84	14,13	16,37	19,00	21,21	27,33

Simply measuring the outer (major) thread diameter do not have poor quality of the threaded rods detect!