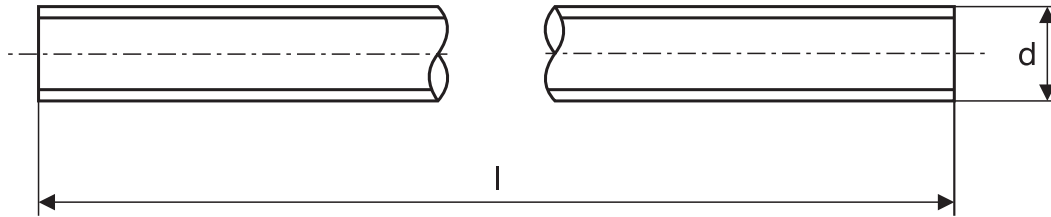


Threaded Rods

DIN 975 Steel & Non-ferrous

Scope and field application

Threaded rods are generally supplied in nominal lengths of 1000mm and can be cut into sections of different lengths and tolerances on length are required by the customer. They can also be used as double end studs with a nut on either side, or as studs. Tolerance class 6g specified for the thread is commonly used for bolted connections and applies to thread engagement group N as specified in DIN 13 Part 14.



DIN 975 Weight of Threaded Rods

Thread size d	M6	M8	M10	M12	(M14)	M16	(M18)	M20
	M6 x 0.75	M8 x 1	M10 x 1.25	M12 x 1.5	M14 x 1.5	M16 x 1.5	M18 x 1.5	M20 x 1.5
Mass (7.85 kg/dm ³), in kg per 1000 units, approximately.	177	319	500	725	970	1330	1650	2080

Thread size d	(M22)	M24	(M27)	M30	(M33)	M36	(M39)	M42
	M22 x 1.5	M24 x 2.0	M27 x 2.0	M30 x 2.0	M33 x 2.0	M36 x 3.0	M39 x 3.0	M42 x 3.0
Mass (7.85 kg/dm ³), in kg per 1000 units, approximately.	2540	3000	3850	4750	5900	6900	8200	9400

Thread size d	(M45)	M48	(M52)	M56	(M60)	M64	(M68)	M72
	M45 x 3.0	M48 x 3.0	M52 x 3.0	M56 x 4.0	M60 x 4.0	M64 x 4.0	M68 x 6.0	M72 x 4.0
Mass (7.85 kg/dm ³), in kg per 1000 units, approximately.	11000	12400	14700	16900	19700	22300	25400	28500

Bracketed sizes are non-preferred sizes.
The values of mass specified shall apply to threaded rods with coarse pitch thread.
As a general rule, threaded rods are kept in stock only with a coarse pitch thread.

Threaded Rods

DIN 975 Steel & Non-ferrous

Technical delivery conditions

Characteristic		Standard
Material		Steel
General Requirements		As specified in DIN 267 Part 1
Thread	Tolerance	6g
	Standard	DIN 13 Part 15
Mechanical Properties	Property Class (material)	4.6; 5.6; 5.8 ^a
	Standard	ISO 898 Part 1 (test programme B)
Allowed dimensional deviations and deviations of form	Product Grade	A
	Standard	ISO 4759 Part 1
Surface finish		DIN 267 Part 2 shall apply with regard to surface roughness.
		DIN 267 Part 19 shall apply with regard to the permissible surface discontinuities.
		DIN 267 Part 9 shall apply with regard to electroplating.
		DIN 267 Part 10 shall apply with regard to hot dip galvanising.
		Limits for surface discontinuities are covered in ISO 6157-2
Acceptability		DIN 267 Part 5 shall apply with regard to acceptance inspection.
a Where no property class is specified, it shall be left to the discretion of the manufacturer.		