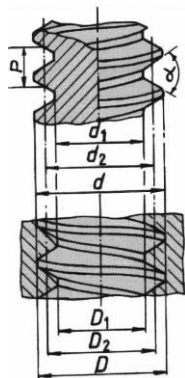


INFORMATION OM STANDARD M, UNC, RØRGEVIND (G) & WHITWORTH SAMT DELEDIAMETER TOLERANCER



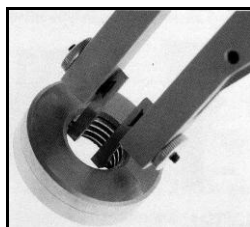
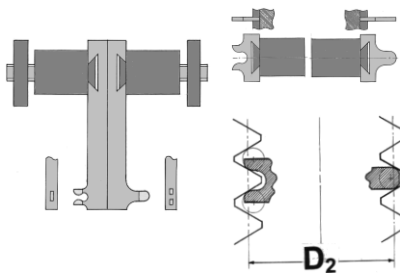
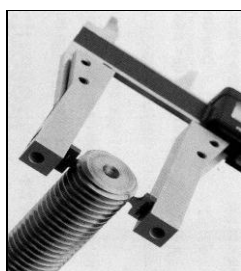
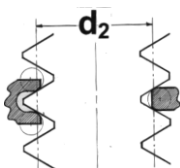
UDVENDIG GEVIND

d = Yderdiameter
d₂ = Delediameter
d₁ = Inderdiameter

INDVENDIG GEVIND

D = Yderdiameter
D₂ = Delediameter
D₁ = Inderdiameter

P = Stigning
α = Flankevinkel



Vigtig:

Tabellerne er udarbejdet som vejledning og retningslinie for udarbejdelse af delediameter og delediameter tolerancer. Da det primære formål er at måle med en skydelære, er de fleste dimensioner udregnet til den nærmeste 0.01 mm.

Når en tolerance i en given tabel anvendes, bør det huskes, at tolerancen ofte vil være lidt større end i tabellen for en finere stigning end standard. D.v.s. at delediameteren for M60x2 er større end den for M36x2, som igen er større end M16x2 – som er standard.

For nøjagtige tolerancer brug de relevante anerkendte standarder.

Gevind	Delediameter tolerancer	
	Møtrik (6H)	Skrue (6g)
M16x2	+0.212 / -0	-0.038 / -0.198 (0.16)
M36x2	+0.224 / -0	-0.038 / -0.208 (0.17)
M60x2	+0.236 / -0	-0.038 / -0.218 (0.18)
M120x2	+0.250 / -0	-0.038 / -0.228 (0.19)

Nominal Delediameter = Nominal Yderdiameter - (minus) PD_N

d.v.s. Nominal Delediameter for :

M20 x2 = 20.00 - 1.30 = **18.70**

og 1-8UNC = 25.4 - 2.06 = **23.34**

Stigning	PD _N	Delediameter tolerancer	
		Møtrik (6H)	Skrue (6g)
1	0.65	+ 0.15 / - 0	- 0.03 / - 0.14
1.25	0.81	+ 0.16 / - 0	- 0.03 / - 0.15
1.5	0.97	+ 0.18 / - 0	- 0.03 / - 0.16
1.75	1.14	+ 0.20 / - 0	- 0.03 / - 0.18
2	1.30	+ 0.21 / - 0	- 0.04 / - 0.20
2.5	1.62	+ 0.22 / - 0	- 0.04 / - 0.21
3	1.95	+ 0.26 / - 0	- 0.05 / - 0.25
3.5	2.27	+ 0.28 / - 0	- 0.05 / - 0.26
4	2.60	+ 0.30 / - 0	- 0.06 / - 0.28
4.5	2.92	+ 0.31 / - 0	- 0.06 / - 0.30
5	3.25	+ 0.33 / - 0	- 0.07 / - 0.32
5.5	3.57	+ 0.35 / - 0	- 0.07 / - 0.34
6	3.90	+ 0.37 / - 0	- 0.08 / - 0.36

Stigning	PD _N	Delediameter tolerancer	
		Møtrik (2B)	Skrue (2A)
24	0.69	+ 0.11 / - 0	- 0.025 / - 0.11
20	0.825	+ 0.12 / - 0	- 0.03 / - 0.12
18	0.92	+ 0.14 / - 0	- 0.03 / - 0.13
16	1.03	+ 0.15 / - 0	- 0.03 / - 0.15
14	1.18	+ 0.16 / - 0	- 0.04 / - 0.16
13	1.27	+ 0.17 / - 0	- 0.04 / - 0.17
12	1.37	+ 0.17 / - 0	- 0.04 / - 0.17
11	1.50	+ 0.18 / - 0	- 0.04 / - 0.18
10	1.65	+ 0.20 / - 0	- 0.05 / - 0.20
9	1.83	+ 0.21 / - 0	- 0.05 / - 0.21
8	2.06	+ 0.22 / - 0	- 0.05 / - 0.22
7	2.36	+ 0.24 / - 0	- 0.06 / - 0.24
6	2.75	+ 0.26 / - 0	- 0.06 / - 0.26
5	3.30	+ 0.30 / - 0	- 0.07 / - 0.30
4½	3.665	+ 0.32 / - 0	- 0.07 / - 0.32
4	4.125	+ 0.34 / - 0	- 0.08 / - 0.34

Stigning	PD _N	Delediameter tolerancer	
		Møtrik	Skrue
19	0.86	+ 0.125 / - 0	A + 0 / - 0.125 B + 0 / - 0.25
14	1.16	+ 0.14 / - 0	A + 0 / - 0.14 B + 0 / - 0.28
11	1.48	+ 0.18 / - 0	A + 0 / - 0.18 B + 0 / - 0.36
op til G2			
11	1.48	+ 0.22 / - 0	A + 0 / - 0.22 B + 0 / - 0.44
over G2			

P (gpt)	PD _N	Delediameter tolerancer	
		Møtrik (Normal)	Skrue (Medium)
24	0.68	+ 0.13 / - 0	- 0.03 / - 0.12
20	0.81	+ 0.15 / - 0	- 0.03 / - 0.13
18	0.90	+ 0.16 / - 0	- 0.03 / - 0.14
16	1.02	+ 0.17 / - 0	- 0.03 / - 0.14
14	1.16	+ 0.18 / - 0	- 0.04 / - 0.16
12	1.36	+ 0.20 / - 0	- 0.04 / - 0.17
11	1.48	+ 0.22 / - 0	- 0.04 / - 0.19
10	1.63	+ 0.23 / - 0	- 0.05 / - 0.20
9	1.81	+ 0.24 / - 0	+ 0 / - 0.16
8	2.03	+ 0.26 / - 0	+ 0 / - 0.17
7	2.32	+ 0.27 / - 0	+ 0 / - 0.18
6	2.71	+ 0.30 / - 0	+ 0 / - 0.20
5	3.25	+ 0.33 / - 0	+ 0 / - 0.22
4½	3.61	+ 0.35 / - 0	+ 0 / - 0.23
4	4.07	+ 0.37 / - 0	+ 0 / - 0.24