

GEWINDE-VORBOHRDURCHMESSER

Metrische Gewinde

M Metrische ISO Regelgewinde

DIN 13 Tst. 6H (1 - 1,5 = 5H nach DIN ISO 965-1)

P	D1 in mm	
	min.	max.
M 1	0,25	0,729
M 1,1	0,25	0,829
M 1,2	0,25	0,929
M 1,4	0,30	1,075
M 1,6	0,35	1,221
M 1,8	0,35	1,421
M 2	0,40	1,567
M 2,2	0,45	1,713
M 2,5	0,45	2,013
M 3	0,50	2,459
M 3,5	0,60	2,850
M 4	0,70	3,242
M 4,5	0,75	3,688
M 5	0,80	4,134
M 6	1,00	4,917
M 7	1,00	5,917
M 8	1,25	6,647
M 9	1,25	7,647
M 10	1,50	8,367
M 11	1,50	9,376
M 12	1,75	10,106
M 14	2,00	11,835
M 16	2,00	13,835
M 18	2,50	15,204
M 20	2,50	17,204
M 22	2,50	19,204
M 24	3,00	20,752
M 27	3,00	23,752
M 30	3,50	26,211
M 33	3,50	29,211
M 36	4,00	31,670
M 39	4,00	34,670
M 42	4,50	37,129
M 45	4,50	40,129
M 48	5,00	42,587
M 52	5,00	46,587
M 56	5,50	50,046
M 60	5,50	54,046
M 64	6,00	57,505
M 68	6,00	61,505

MF Metrische ISO Feingewinde

DIN 13 Tst. 6H (P 0,25 = 5H nach DIN ISO 965-1)

P	D1 in mm	
	min.	max.
M 2	0,25	1,729
M 2,2	0,25	1,929
M 2,5	0,35	2,121
M 3	0,35	2,621
M 3,5	0,35	3,121
M 4	0,50	3,459
M 5	0,50	4,459
M 6	0,50	5,459
M 6	0,75	5,188
M 8	0,75	7,188
M 8	1,00	6,917
M 10	0,75	9,188
M 10	1,00	8,917
M 10	1,25	8,647
M 12	0,75	11,188
M 12	1,00	10,917
M 12	1,25	10,647
M 12	1,50	10,376
M 14	1,25	12,647
M 14	1,50	12,376
M 16	1,00	14,917
M 16	1,50	14,376
M 18	1,00	16,917
M 18	1,50	16,376
M 18	2,00	15,835
M 20	1,00	18,917
M 20	1,50	18,376
M 20	2,00	17,835
M 22	1,00	20,917
M 22	1,50	20,376
M 22	2,00	19,835
M 24	1,00	22,917
M 24	1,50	22,376
M 24	2,00	21,835
M 26	1,00	24,917
M 26	1,50	24,376
M 27	1,50	25,376
M 27	2,00	24,835
M 28	1,50	26,376

MF Metrische ISO Feingewinde

DIN 13 Tst. 6H (P 0,25 = 5H nach DIN ISO 965-1)

P	D1 in mm	
	min.	max.
M 28	2,00	25,835
M 30	1,50	28,376
M 30	2,00	27,835
M 30	3,00	26,752
M 32	1,50	30,376
M 32	2,00	29,835
M 32	3,00	26,752
M 33	1,50	31,376
M 33	2,00	30,835
M 33	3,00	29,752
M 36	1,50	34,376
M 36	2,00	33,835
M 36	3,00	32,752
M 38	1,50	36,376
M 39	2,00	36,835
M 39	3,00	35,752
M 40	1,50	38,376
M 40	2,00	37,835
M 42	1,50	40,376
M 42	2,00	39,835
M 42	3,00	38,752
M 45	1,50	43,376
M 45	2,00	42,835
M 45	3,00	41,752
M 48	1,50	46,376
M 48	2,00	45,835
M 50	1,50	48,376
M 50	2,00	47,835
M 52	1,50	50,376
M 52	2,00	49,835
M 52	3,00	48,752

Aufnahmegewinde für Gewindeeinsätze

EG M Metrische ISO Regelgewinde

DIN 8140

P	D1 in mm	
	min.	max.
EG M 2	0,40	2,087
EG M 2,5	0,45	2,597
EG M 3	0,50	3,108
EG M 3,5	0,60	3,630
EG M 4	0,70	4,152
EG M 5	0,80	5,174
EG M 6	1,00	6,217
EG M 7	1,00	7,217
EG M 8	1,25	8,217
EG M 9	1,25	9,217
EG M 10	1,50	10,324
EG M 11	1,50	11,324
EG M 12	1,75	12,379
EG M 14	2,00	14,433
EG M 16	2,00	16,433
EG M 18	2,50	18,541
EG M 20	2,50	20,541

EG UNC Gewinde

ASME B1.28.1 und BS 3409

P	D1 in mm	
	min.	max.
EG UNC No1	64	1,941
EG UNC No2	56	2,283
EG UNC No3	48	2,631
EG UNC No4	40	2,985
EG UNC No5	40	3,315
EG UNC No6	32	3,678
EG UNC No8	32	4,338
EG UNC No12	24	5,055
EG UNC 1/4"	20	6,624
EG UNC 1/16"	18	8,242
EG UNC 3/8"	16	9,868
EG UNC 7/16"	14	11,506
EG UNC 1/2"	13	13,122
EG UNC 9/16"	12	14,747
EG UNC 5/8"	11	16,375
EG UNC 3/4"	10	19,599
EG UNC 7/8"	9	22,835
EG UNC 1"	8	26,088

EG MF Metrische ISO Feingewinde

DIN 8140

P	D1 in mm	
	min.	max.
EG M 8	1,00	8,217
EG M 10	1,00	10,217
EG M 10	1,25	10,217
EG M 12	1,00	12,217
EG M 12	1,25	12,217
EG M 12	1,50	12,234
EG M 14	1,25	14,271
EG M 14	1,50	14,324
EG M 16	1,50	16,324
EG M 18	1,50	18,324
EG M 20	1,50	20,324
EG M 22	1,50	22,324
EG M 24	1,50	24,324

EG UNF Gewinde

ASME B1.28.1 und BS 3409

P	D1 in mm	
	min.	max.
EG UNF No2	64	2,271
EG UNF No3	56	2,614
EG UNF No4	48	2,962
EG UNF No6	40	3,645
EG UNF No8	36	4,321
EG UNF No10	32	4,999
EG UNF 1/4"	28	6,546
EG UNF 5/16"	24	8,166
EG UNF 3/8"	24	9,754
EG UNF 7/16"	20	11,387
EG UNF 1/2"	20	12,974
EG UNF 9/16"	18	14,592
EG UNF 5/8"	18	16,180
EG UNF 3/4"	16	19,393
EG UNF 7/8"	14	22,619
EG UNF 1"	12	25,860

Rohrgewinde

G Rohrgewinde

DIN EN ISO 228

P	D1 in mm	
	min.	max.
G 1/8"	28	8,566
G 1/4"	24	11,445
G 3/8"	19	14,950
G 1/2"	14	18,631
G 5/8"	14	20,587
G 3/4"	14	24,117
G 7/8"	14	27,877
G 1"	11	30,291
G 1 1/8"	11	34,939
G 1 1/4"	11	38,952
G 1 1/2"	11	44,845
G 1 3/4"	11	50,788
G 2"	11	56,656
G 2 1/4"	11	62,752
G 2 1/2"	11	72,226
G 2 3/4"	11	78,576
G 3"	11	84,926
G 3 1/2"	11	97,372
G 4"	11	110,072

BSW Whitworth Gewinde

BS 84

P	D1 in mm	
	min.	max.
BSW 1/8"	40	2,360
BSW 3/16"	24	3,406
BSW 1/4"	20	4,724
BSW 5/16"	18	6,121
BSW 3/8"	16	7,493
BSW 7/16"	14	8,791
BSW 1/2"	12	9,987
BSW 5/8"	11	12,918
BSW 3/4"	10	15,831
BSW 7/8"	9	18,613
BSW 1"	8	21,336
BSW 1 1/8"	7	23,927
BSW 1 1/4"	7	27,102
BSW 1 1/2"	6	29,558
BSW 1 3/4"	6	32,680
BSW 1 5/8"	5	34,834
BSW 1 3/4"	5	37,943
BSW 1 7/8"	4,5	40,468
BSW 2"	4,5	43,571
BSW 2 1/4"	4	49,017
BSW 2 1/2"	4	55,367
BSW 2 3/4"	3,5	60,554
BSW 3"	3,5	66,904

BSF Whitworth Feingewinde

BS 84

P	D1 in mm	
	min.	max.
BSF 3/16"	32	3,745
BSF 7/32"	28	4,394
BSF 1/4"	26	5,099
BSF 5/16"	22	6,459
BSF 3/8"	20	7,900
BSF 7/16"	18	9,306
BSF 1/2"	16	10,667
BSF 9/16"	16	12,255
BSF 5/8"	14	13,553
BSF 3/4"	12	16,340
BSF 7/8"	11	19,269
BSF 1"	10	22,148
BSF 1 1/8"	9	24,962
BSF 1 1/4"	8	28,137
BSF 1 3/8"	8	30,860
BSF 1 1/2"	8	34,035
BSF 1 5/8"	8	37,211

Rc Kegelige Rohrgewinde

DIN EN 10226-2 und ISO 771 kegelig 1:16

P	D3 zyl.	D4 kon.	GT	BT
Rc 1/8"	28	8,30	8,55	8,80
Rc 1/4"	19	11,10	11,40	13,10
Rc 3/8"	19	14,50	14,95	13,50
Rc 1/2"	14	18,00	18,60	17,80
Rc 3/4"	14	23,50	24,10	19,10
Rc 1"	11	29,75	30,25	22,70
Rc 1 1/4"	11	38,25	38,90	25,00
Rc 1 1/2"	11	44,00	44,80	25,00
Rc 2"	11	55,56	56,62	29,30

Amerikanische kegelige Rohrgewinde

NPT Amerikanische Standard Rohrgewinde

ASME B1.20.1 kegelig 1:16

P	D3 zyl.	D4 kon.	GT	BT
NPT 1/16"	27	6,15	6,39	9,70
NPT 1/8"	27	8,40	8,74	9,70
NPT 1/4"	18	11,10	11,36	14,30
NPT 3/8"	18	14,30	14,80	14,60
NPT 1/2"	14	17,90	18,32	19,00
NPT 3/4"	14	23,20	23,67	19,50
NPT 1"	11,5	29,00	29,69	23,40
NPT 1 1/4"	11,5	37,70	38,45	23,90
NPT 1 1/2"	11,5	44,00	44,52	23,90
NPT 2"	11,5	56,00	56,56	24,30

NPTF Amerikanische Standard Rohrgewinde

ASME B1.20.3 kegelig 1:16

P	D3 zyl.	D4 kon.	GT	BT
NPTF 1/16"	27	6,10	6,41	9,70
NPTF 1/8"	27	8,40	8,76	9,70
NPTF 1/4"	18	11,00	11,40	14,30
NPTF 3/8"	18	14,30	14,84	14,60
NPTF 1/2"	14	17,60	18,33	19,00
NPTF 3/4"	14	23,00	23,68	19,50
NPTF 1"	11,5	29,00	29,73	23,40
NPTF 1 1/4"	11,5	37,50	38,48	23,90
NPTF 1 1/2"	11,5	43,50	44,55	23,90
NPTF 2"	11,5	56,00	56,59	24,30

Amerikanische zylindrische Rohrgewinde

NPSM Gewinde

ASME B1.20.1

	P	min.	max.	
NPSM 1/8"	27	9,093	9,246	9,100
NPSM 1/4"	18	11,887	12,217	12,000
NPSM 3/8"	18	15,316	15,545	15,500
NPSM 1/2"	14	18,974	19,279	19,000
NPSM 3/4"	14	24,333	24,638	24,500
NPSM 1"	11,5	30,505	30,759	30,600
NPSM 1 1/4"	11,5	39,268	39,497	39,400
NPSM 1 1/2"	11,5	45,339	45,568	45,500
NPSM 2"	11,5	57,379	57,607	57,500