DIAMETRI DEI PREFORI

BASS TECNICA DI FILETTATURA

Filettature metriche

M — Filettatura metrica ISO, DIN 13 tol. 6H (M 1 - 1,4 = 5H sec. DIN ISO 965-1)

P	D1 in mm min.	D1 in mm max.
0,25	0,729	0,785
0,25	0,829	0,885
0,25	0,929	0,985
0,30	1,075	1,142
0,35	1,221	1,321
0,35	1,421	1,521
0,40	1,567	1,679
0,45	1,713	1,838
0,45	2,013	2,138
0,50	2,459	2,599
0,60	2,850	3,010
0,70	3,242	3,422
0,75	3,688	3,878
0,80	4,134	4,334
1,00	4,917	5,153
1,00	5,917	6,153
1,25	6,647	6,912
1,25	7,647	7,912
1,50	8,367	8,676
1,50	9,376	9,676
1,75	10,106	10,441
2,00	11,835	12,210
2,00	13,835	14,210
2,50	15,294	15,744
2,50	17,294	17,744
2,50	19,294	19,744
3,00	20,752	21,252
3,00	23,752	24,252
3,50	26,211	26,771
3,50	29,211	29,771
4,00	31,670	32,270
4,00	34,670	35,270
4,50	37,129	37,799
4,50	40,129	40,799
5,00	42,587	43,297
5,00	46,587	47,297
5,50	50,046	50,796
5,50	54,046	54,796
6,00	57,505	58,305
6,00	61,505	62,305

MF — Filettatura metrica ISO passo fine, DIN 13 tol. 6H (P 0,25 = 5H sec. DIN ISO 965-1)

P	D1 in mm min.	D1 in mm max.
0,25	1,729	1,774
0,25	1,929	1,974
0,35	2,121	2,221
0,35	2,621	2,684
0,35	3,121	3,184
0,50	3,459	3,599
0,50	4,459	4,599
0,50	5,459	5,599
0,75	5,188	5,378
0,75	7,188	7,378
1,00	6,917	7,153
0,75	9,188	9,378
1,00	8,917	9,153
1,25	8,647	8,912
0,75	11,188	11,378
1,00	10,917	11,153
1,25	10,647	10,912
1,50	10,376	10,676
1,00	12,917	13,153
1,25	12,647	12,912
1,50	12,376	12,676
1,00	14,917	15,153
1,50	14,376	14,676
1,00	16,917	17,153
1,50	16,376	16,676
2,00	15,835	16,210
2,00	18,917	19,153
1,50	18,376	18,676
2,00	17,835	18,210
1,00	20,917	21,153
1,50	20,376	20,676
2,00	19,835	20,210
1,00	22,917	23,153
1,50	22,376	22,676
2,00	21,835	22,210
1,00	24,917	25,153
1,50	24,376	24,676
1,50	25,376	25,676
2,00	24,835	25,210
1,50	26,376	26,676

MF — Filettatura metrica ISO passo fine, DIN 13 tol. 6H (P 0,25 = 5H sec. DIN ISO 965-1)

P	D1 in mm min.	D1 in mm max.
2,00	25,835	26,210
1,50	28,376	28,676
2,00	27,835	28,210
3,00	26,752	27,252
1,50	30,376	30,676
2,00	29,835	30,210
3,00	26,752	27,252
1,50	31,376	31,676
2,00	30,835	31,210
3,00	29,752	30,252
1,50	34,376	34,676
2,00	33,835	34,210
3,00	32,752	33,252
1,50	36,376	36,676
2,00	35,835	37,210
3,00	35,752	36,252
1,50	38,376	38,676
2,00	37,835	38,210
1,50	40,376	40,676
2,00	39,835	40,210
3,00	38,752	39,252
1,50	43,376	43,676
2,00	42,835	43,210
3,00	41,752	42,252
1,50	46,376	46,676
2,00	45,835	46,210
3,00	44,752	45,252
1,50	48,376	48,676
2,00	47,835	48,210
3,00	46,752	47,252
1,50	50,376	50,676
2,00	49,835	50,210
3,00	48,752	49,252

Filetature unificate americane

UNC — Filettatura grossa unificata ASME B1.1

P	D1 in mm min. 2B / 3B	D1 in mm max. 2B	D1 in mm max. 3B
64	1,425	1,582	1,582
56	1,694	1,872	1,872
48	1,941	2,146	2,146
40	2,156	2,385	2,385
40	2,487	2,697	2,697
32	2,642	2,896	2,893
32	3,302	3,531	3,528
24	3,683	3,962	3,950
24	4,343	4,597	4,590
20	4,978	5,258	5,250
18	6,401	6,731	6,680
16	7,798	8,153	8,082
14	9,144	9,550	9,441
13	10,592	11,024	10,881
12	11,989	12,446	12,301
11	13,386	13,868	13,693
10	16,307	16,840	16,624
9	19,177	19,761	19,520
8	21,971	22,606	22,344
7	24,638	25,349	25,082
7	27,813	28,524	28,258
6	30,353	31,115	30,851
6	33,528	34,290	34,026
5	38,964	39,827	39,560
4,5	44,679	45,593	45,367
4,5	51,029	51,943	51,717
4	56,617	57,582	57,389
4	62,967	63,932	63,739
4	69,317	70,282	70,089

UNF — Filettatura fine unificata ASME B1.1

P	D1 in mm min. 2B / 3B	D1 in mm max. 2B	D1 in mm max. 3B
80	1,181	1,306	1,306
72	1,473	1,613	1,613
64	1,755	1,913	1,913
56	2,024	2,197	2,197
48	2,271	2,459	2,459
44	2,550	2,741	2,741
40	2,819	3,023	3,012
36	3,404	3,607	3,597
32	3,962	4,166	4,168
28	4,496	4,724	4,717
28	5,359	5,588	5,563
24	6,782	7,036	6,995
24	8,382	8,636	8,565
20	9,728	10,033	9,947
20	11,328	11,608	11,524
18	12,751	13,081	12,969
18	14,351	14,681	14,554
16	17,323	17,678	17,546
14	20,269	20,676	20,493
12	23,114	23,571	23,363
12	26,289	26,746	26,538
12	29,464	29,921	29,713
12	32,639	33,096	32,888
12	35,814	36,269	36,063

UN — Filettatura unificata ASME B1.1

P	D1 in mm min. 2B / 3B	D1 in mm max. 2B	D1 in mm max. 3B
8	25,146	25,781	25,519
8	28,321	28,956	28,694
8	31,496	32,131	31,869
8	34,671	35,306	35,044
8	37,846	38,481	38,219
8	41,021	41,656	41,394
12	42,164	42,621	42,413
8	44,196	44,831	44,569
8	47,371	48,006	47,744
12	48,514	48,971	48,763

UNEF — Filettatura extra fine unificata ASME B1.1

P	D1 in mm min. 2B / 3B	D1 in mm max. 2B	D1 in mm max. 3B
32	4,623	4,826	4,813
32	5,486	5,690	5,662
32	7,087	7,264	7,231
32	8,661	8,865	8,811
28	10,135	10,338	10,290
28	11,709	11,938	11,877
24	13,132	13,386	13,320
24	14,732	14,986	14,907
24	16,307	16,561	16,495
20	17,678	17,958	17,874
20	19,253	19,558	19,461
20	20,853	21,133	21,049
20	22,428	22,733	22,636
20	24,028	24,308	24,224
18	25,451	25,781	25,667
18	27,051	27,381	27,254
18	30,226	30,556	30,429
18	31,801	32,131	32,017
18	33,401	33,731	33,604
18	36,576	36,881	36,779

Filettature EG (per filetti riportati)

EG M — Filettatura metrica, DIN 8140

P	D1 in mm min.	D1 in mm max.
0,40	2,087	2,177
0,45	2,597	2,697
0,50	3,108	3,220
0,60	3,630	3,755
0,70	4,152	4,292
0,80	5,174	5,344
1,00	6,217	6,407
1,00	7,217	7,407
1,25	8,217	8,483
1,25	9,217	9,483
1,50	10,324	10,560
1,50	11,324	11,560
1,75	12,379	12,644
2,00	14,433	14,733
2,00	16,433	16,733
2,50	18,541	18,986
2,50	20,541	20,896

EG UNC — Filettatura grossa unificata ASME B18.29.1 e BS 3409

P	D1 in mm min.	D1 in mm max.
64	1,941	2,090
56	2,283	2,441
48	2,631	2,804
40	2,985	3,180
40	3,315	3,487
32	3,678	3,879
32	4,338	4,524
24	5,055	5,283
24	5,715	5,944
20	6,624	6,868
18	8,242	8,489
16	9,868	10,127
14	11,506	11,783
13	13,122	13,393
12	14,747	15,032
11	16,375	16,673
10	19,599	19,909
9	22,835	23,162
8	26,088	26,469

EG MF — Filettatura metrica ISO a passo fine, DIN 8140

P	D1 in mm min.	D1 in mm max.
1,00	8,217	8,407
1,00	10,217	10,407
1,25	10,217	10,483
1,00	12,217	12,407
1,25	12,271	12,483
1,50	12,324	12,560
1,25	14,271	14,483
1,50	14,324	14,560
1,50	16,324	16,560
1,50	18,324	18,560
1,50	20,324	20,560
1,50	22,324	22,560
1,50	24,324	24,560

EG UNF — Filettatura fine unificata ASME B18.29.1 e BS 3409

P	D1 in mm min.	D1 in mm max.
64	2,271	2,405
56	2,614	2,758
48	2,962	3,122
40	3,645	3,818
36	4,321	4,498
32	4,999	5,184
28	6,546	6,721
24	8,166	8,352
24	9,754	9,931
20	11,387	11,585
20	12,974	13,172
18	14,592	14,798
18	16,180	16,386
16	19,393	19,609
14	22,619	22,845
12	25,860	26,114

Filettature per l'aeronautica

MJ — Filettatura metrica, DIN ISO 5855

P	D1 in mm min.	D1 in mm max.
0,50	2,513	2,653
0,70	3,318	3,498
0,80	4,221	4,421
1,00	5,026	5,215
1,25	6,782	6,994
1,50	8,539	8,779
1,75	10,295	10,563

UNJC — Filettatura grossa unificata ASME B1.15 e ISO 3161

P	D1 in mm min.	D1 in mm max.
40	2,226	2,391
32	2,732	2,938
32	3,393	3,599
24	3,795	4,064
20	5,113	5,387
18	6,563	6,833
16	7,978	8,255
13	10,796	11,093

UNJF — Filettatura fine unificata ASME B1.15 e ISO 3161

P	D1 in mm min.	D1 in mm max.
48	2,329	2,467
40	2,886	3,051
36	3,479	3,662
32	4,053	4,253
28	5,466	5,662
24	6,907	7,110
24	8,494	8,680
20	11,463	11,660

Filettature trapezoidale

Tr — Filettatura trapezoidale ISO DIN 103 tol. 7H

P	D1 in mm min.
2	8,000
3	9,000
3	11,000
4[1]	10,500
4	12,000
4	14,000
4	16,000
5	17,000
5	19,000
5	23,000
6	24,000
6	26,000
6	30,000
7	31,000
7	37,000
8	38,000
8	42,000
9	46,000
9	51,000
10	55,000

[1] sec. DIN 103 edizione 1924

Filettature tonde

Rd — Filettatura tonda DIN 405 tol. 7H

P	D1 in mm min.
10	5,714
10	7,714
10	9,714
8	11,142
8	13,142
8	15,142
8	17,142
8	19,142
8	21,142
8	25,142

Filettature Gas

G — Filettatura Whitworth gas, DIN EN ISO 228

P	D1 in mm min.	D1 in mm max.
28	8,566	8,848
19	11,445	11,890
19	14,950	15,395
14	18,631	19,172
14	20,587	21,128
14	24,117	24,658
14	27,877	28,418
11	30,291	30,931
11	34,939	35,579
11	38,952	39,592
11	44,845	45,485
11	50,788	51,428
11	56,656	57,296
11	62,752	63,392
11	72,226	72,866
11	78,576	79,216
11	84,926	85,566
11	97,372	98,012
11	110,072	110,712

BSW — Filettatura Whitworth standard inglese BS 84

P	D1 in mm min.	D1 in mm max.
40	2,360	2,590
24	3,406	3,740
20	4,724	5,156
18	6,121	6,589
16	7,493	7,988
14	8,791	9,332
12	9,987	10,589
11	12,918	13,559
10	15,831	16,538
9	18,613	19,355
8	21,336	22,149
7	23,927	24,831
7	27,102	28,006
6	29,558	30,555
6	32,680	33,703
5	34,834	35,921
5	37,943	39,136
4,5	40,468	41,648
4,5	43,571	44,877
4	49,017	50,465
4	55,367	56,815
3,5	60,554	62,182
3,5	66,904	68,532

Rp — Filettatura cilindrica (cil.) interna Whitworth, DIN EN 10226-1

P	D1 in mm min.	D1 in mm max.
28	8,495	8,637
19	11,341	11,549
19	14,846	15,054
14	18,489	18,773
14	23,975	24,259
11	30,111	30,471
11	38,772	39,132
11	44,665	45,025
11	56,476	56,836

BSF — Filettatura Whitworth fine standard inglese BS 84

P	D1 in mm min.	D1 in mm max.
32	3,745	4,006
28	4,394	4,677
26	5,099	5,396
22	6,459	6,817
20	7,900	8,331
18	9,306	9,766
16	10,667	11,162
16	12,255	12,750
14	13,553	14,093
12	16,340	16,941
11	19,269	19,909
10	22,148	22,834
9	24,962	25,704
8	28,137	28,879
8	30,860	31,673
8	34,035	34,848
8	37,211	38,024

Rc — Filettatura conica (con.) Whitworth, DIN EN 10226-2 e ISO 7/1 conico 1:16

P	D3 cil.	D4 con.	GT	BT
28	8,30	8,55	8,80	10,20
19	11,10	11,40	13,10	15,70
19	14,50	14,95	13,50	16,00
14	18,00	18,60	17,80	21,50
14	23,50	24,10	19,10	22,80
11	29,75	30,25	22,70	27,30
11	38,25	38,90	25,00	30,00
11	44,00	44,80	25,00	30,00
11	55,56	56,62	29,30	34,00

Filettature coniche americane

NPT — Filettatura conica americana ASME B1.20.1 conico 1:16

P	D3 cil.	D4 con.	GT	BT
27	6,15	6,39	9,70	12,10
27	8,40	8,74	9,70	12,10
18	11,10	11,36	14,30	17,50
18	14,30	14,80	14,60	17,70
14	17,90	18,32	19,00	23,00
14	23,20	23,67	19,50	23,00
11,5	29,00	29,69	23,40	27,40
11,5	37,70	38,45	23,90	28,00
11,5	44,00	44,52	23,90	28,40
11,5	56,00	56,56	24,30	28,40

NPTF — Filettatura conica americana ASME B1.20.1 conico 1:16

P	D3 cil.	D4 con.	GT	BT
27	6,10	6,41	9,70	12,10
27	8,40	8,76	9,70	12,10
18	11,00	11,40	14,30	17,50
18	14,30	14,84	14,60	17,70
14	17,60	18,33	19,00	23,00
14	23,00	23,68	19,50	23,00
11,5	29,00	29,73	23,40	27,40
11,5	37,50	38,48	23,90	28,00
11,5	43,50	44,55	23,90	28,40
11,5	56,00	56,59	24,30	28,40

Filettature gas cilindriche americane

NPSM — Filettatura gas cilindrica americana ASME B1.20.1

P	D1 in mm min.	D1 in mm max.
27	9,093	9,246
18	11,887	12,217
18	15,316	15,545
14	18,974	19,279
14	24,333	24,638
11,5	30,505	30,759
11,5	39,268	39,497
11,5	45,339	45,568
11,5	57,379	57,607

NPSF — Filettatura gas cilindrica americana ASME B1.20.3

P	D1 in mm min.	D1 in mm max.
27	8,651	8,830
18	11,232	11,452
18	14,671	14,889
14	18,118	18,375
14	23,465	23,772
11,5	29,464	29,758

Maschi a rullare*

M — Filettatura metrica ISO, DIN 13

P	D1	D2
0,25	0,88	0,94
0,25	0,98	1,04
0,25	1,08	1,14
0,30	1,26	1,33
0,35	1,45	1,53
0,35	1,65	1,73
0,40	1,82	1,93
0,45	2,00	2,13
0,45	2,30	2,41
0,50	2,80	2,93
0,60	3,25	3,40
0,70	3,70	3,88
0,75	4,15	4,35
0,80	4,65	4,88
1,00	5,55	5,80
1,00	6,55	6,80
1,25	7,45	7,78
1,25	8,45	8,78
1,50	9,35	9,74
1,50	10,35	10,74
1,75	11,20	11,68
2,00	13,10	13,62
2,00	15,10	15,62
2,50	16,80	17,44
2,50	18,80	19,44
2,50	20,80	21,44
3,00	22,60	23,38
3,00	25,60	26,38
3,50	28,30	29,26
3,50	31,30	32,26
4,00	34,10	35,14
4,00	37,10	38,14
4,50	39,80	41,02
4,50	42,80	44,02
5,00	45,60	46,90

MF — Filettatura metrica ISO passo fine, DIN 13

P	D1	D2
0,25	1,88	1,94
0,25	2,10	2,16
0,35	2,35	2,42
0,35	2,85	2,93
0,35	3,35	3,44
0,50	3,80	3,93
0,50	4,80	4,93
0,50	5,80	5,93
0,75	5,65	5,84
0,75	7,65	7,84
1,00	7,55	7,78
0,75	9,65	9,84
1,00	9,55	9,78
1,25	9,45	9,74
0,75	11,65	11,84
1,00	11,55	11,78
1,25	11,45	11,74
1,50	11,35	11,70
1,00	13,55	13,78
1,25	13,45	13,74
1,50	13,35	13,70
1,00	15,55	15,78
1,50	15,35	15,70
1,00	17,55	17,78
1,50	17,35	17,70
2,00	17,10	17,62
1,00	19,55	19,78
1,50	19,35	19,70
2,00	19,10	19,62
1,00	21,55	21,78
1,50	21,35	21,70
2,00	21,10	21,62
1,00	23,55	23,78
1,50	23,35	23,70
2,00	23,10	23,62

MF — Filettatura metrica ISO passo fine, DIN 13

P	D1	D2
1,00	25,55	25,70
1,50	25,35	25,70
1,50	26,35	26,70
2,00	26,10	26,62
1,00	27,55	27,78
1,50	27,35	27,70
2,00	27,10	27,62
1,00	29,55	29,78
1,50	29,35	29,70
2,00	29,10	29,62
3,00	28,60	28,92
1,50	31,35	31,70
2,00	31,10	31,62
1,50	32,35	32,70
2,00	32,10	32,62
3,00	31,60	31,92
1,50	35,35	35,70
2,00	35,10	35,62
3,00	34,60	34,92
1,50	37,35	37,70
3,00	37,60	37,92
1,50	39,35	39,70
2,00	39,10	39,62
1,50	41,35	41,70
2,00	41,10	41,62
3,00	40,60	40,92
1,50	44,35	44,70
2,00	44,10	44,62
3,00	43,60	43,92
1,50	47,35	47,70
2,00	47,10	47,62
3,00	46,60	46,92

EG M — Filettatura metrica ISO DIN 8140

P	D1	D2
0,40	2,35	2,43
0,45	2,90	2,99
0,50	3,40	3,49
0,60	4,00	4,12
0,70	4,60	4,73
0,80	5,70	5,84
1,00	6,80	6,97
1,00	7,80	7,97
1,25	9,10	9,31
1,25	10,10	10,31
1,50	11,30	11,54
1,50	12,30	12,54
1,75	13,50	13,77
2,00	15,70	16,00
2,00	17,70	18,00
2,50	20,00	20,38
2,50	22,00	22,38

EG MF — Filettatura metrica ISO passo fine DIN 8140

P	D1	D2
1,00	8,80	8,97
1,00	10,80	10,97
1,25	11,10	11,31
1,00	12,80	12,97
1,25	13,10	13,31
1,50	13,30	13,54
1,25	15,10	15,31
1,50	15,30	15,54
1,50	17,30	17,54
1,50	19,30	19,54
2,00	20,10	20,38
2,00	22,10	22,38
1,50	23,30	23,54
2,00	23,10	23,38

UNC — Filettatura grossa unificata ASME B1.1

P	D1	D2
64	1,68	1,74
56	1,98	2,04
48	2,26	2,33
40	2,55	2,62
40	2,90	2,97
32	3,15	3,23
32	3,80	3,88
24	4,35	4,44
24	5,00	5,09
20	5,80	5,90
18	7,30	7,41
16	8,80	8,92
14	10,30	10,43
13	11,80	11,93
12	13,35	13,50
11	14,85	14,99
10	17,80	17,96
9	20,90	21,08
8	23,90	24,08
7	26,80	27,00
7	30,00	30,20
6	32,90	33,11
6	36,10	36,31

UNF — Filettatura fine unificata ASME B1.1

P	D1	D2
80	1,38	1,44
72	1,70	1,76
64	2,00	2,07
56	2,30	2,37
48	2,60	2,67
44	2,90	2,97
40	3,20	3,28
36	3,85	3,93
32	4,45	4,53
28	5,10	5,19
28	5,90	5,99
24	7,45	7,55
24	9,05	9,15
20	10,55	10,66
20	12,15	12,26
18	13,65	13,77
18	15,25	15,37
16	18,35	18,48
14	21,40	21,53
12	24,45	24,60
12	27,60	27,75
12	30,80	30,95
12	33,95	34,10
12	37,15	37,30

UNEF — Filettatura extra fine unificata ASME B1.1

P	D1	D2
32	5,10	5,17
32	6,00	6,07
32	7,60	7,67
32	9,20	9,28
28	10,70	10,78
28	12,30	12,38
24	13,80	13,89
24	15,40	15,49
24	17,00	17,09
20	18,50	18,61
20	20,10	20,21
20	21,60	21,72
20	23,20	23,32
20	24,80	24,92
18	26,35	26,48
18	27,90	28,04
18	31,10	31,24
18	32,70	32,84
18	34,30	34,45
18	37,50	37,65

G — Filettatura Whitworth gas, DIN EN ISO 228

P	D1	D2
28	9,25	9,36
19	12,50	12,63
19	16,00	16,13
14	20,00	20,16
14	22,00	22,16
14	25,50	25,66
14	29,25	29,41
11	32,00	32,19
11	36,60	36,79
11	40,60	40,79
11	46,50	46,73

BSW — Filettatura Whitworth standard inglese BS 84

P	D1	D2
40	2,85	2,93
24	4,20	4,31
20	5,70	5,82
18	7,20	7,34
16	8,70	8,85
14	10,20	10,36
12	11,60	11,77
11	14,70	14,88
10	17,70	17,89
9	21,00	21,21
8	23,75	23,97
7	26,70	26,93
7	29,90	30,13
6	35,90	36,14

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