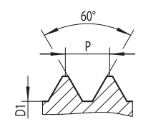
IGUTENSILI
HIGH PRECISION ***CUTTING TOOLS***

PRE-HOLE DIAMETERS

DIAMETRI DEI PREFORI - VORLOCHDURCHMESSER

QMS Certified

UNIFIED THREADS
FILETTATURE UNIFICATE
EINHEITLICHE GEWINDE



M
FILETTATURA METRICA ISO, DIN 13 TOL. 6H (M 1 - 1,4 = 5H SEC. DIN ISO 965-1)

	P	D1 in mm		⌀
		min.	max.	
M1	0,25	0,729	0,785	0,75
M 1,1	0,25	0,829	0,885	0,85
M 1,2	0,25	0,929	0,985	0,95
M 1,4	0,30	1,075	1,142	1,10
M 1,6	0,35	1,221	1,321	1,25
M 1,8	0,35	1,421	1,521	1,45
M2	0,40	1,567	1,679	1,60
M 2,2	0,45	1,713	1,838	1,75
M 2,5	0,45	2,013	2,138	2,05
M3	0,50	2,459	2,599	2,50
M 3,5	0,60	2,850	3,010	2,90
M4	0,70	3,242	3,422	3,30
M4,5	0,75	3,688	3,878	3,70
M5	0,80	4,134	4,334	4,20
M6	1,00	4,917	5,153	5,00
M7	1,00	5,917	6,153	6,00
M8	1,25	6,647	6,912	6,80
M9	1,25	7,647	7,912	7,80
M 10	1,50	8,367	8,676	8,50
M 11	1,50	9,376	9,676	9,50
M 12	1,75	10,106	10,441	10,20
M 14	2,00	11,835	12,210	12,00
M 16	2,00	13,835	14,210	14,00
M 18	2,50	15,294	15,744	15,50
M 20	2,50	17,294	17,744	17,50
M 22	2,50	19,294	19,744	19,50
M 24	3,00	20,752	21,252	21,00
M 27	3,00	23,752	24,252	24,00
M 30	3,50	26,211	26,771	26,50
M 33	3,50	29,211	29,771	29,50
M 36	4,00	31,670	32,270	32,00
M 39	4,00	34,670	35,270	35,00
M 42	4,50	37,129	37,799	37,50
M 45	4,50	40,129	40,799	40,50
M 48	5,00	42,587	43,297	43,00
M 52	5,00	46,587	47,297	47,00
M 56	5,50	50,046	50,796	50,50
M 60	5,50	54,046	54,796	54,50
M 64	6,00	57,505	58,305	58,00
M 68	6,00	61,505	62,305	62,00

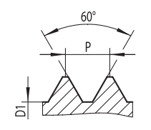
MF
FILETTATURA METRICA ISO PASSO FINE DIN 13 TOL. 6H (P 0,25 = 5H SEC. DIN ISO 965-1)

	P	D1 in mm		⌀
		min.	max.	
M2	0,25	1,729	1,774	1,75
M 2,2	0,25	1,929	1,974	1,95
M 2,5	0,35	2,121	2,221	2,15
M3	0,35	2,621	2,684	2,65
M 3,5	0,35	3,121	3,184	3,15
M4	0,50	3,459	3,599	3,50
M5	0,50	4,459	4,599	4,50
M6	0,50	5,459	5,599	5,50
M6	0,75	5,188	5,378	5,20
M8	0,75	7,188	7,378	7,20
M8	1,00	6,917	7,153	7,00
M 10	0,75	9,188	9,378	9,20
M 10	1,00	8,917	9,153	9,00
M 10	1,25	8,647	8,912	8,80
M 12	0,75	11,188	11,378	11,20
M 12	1,00	10,917	11,153	11,00
M 12	1,25	10,647	10,912	10,80
M 12	1,50	10,376	10,676	10,50
M 14	1,00	12,917	13,153	13,00
M 14	1,25	12,647	12,912	12,80
M 14	1,50	12,376	12,676	12,50
M 16	1,00	14,917	15,153	15,00
M 16	1,50	14,376	14,676	14,50
M 18	1,00	16,917	17,153	17,00
M 18	1,50	16,376	16,676	16,50
M 18	2,00	15,835	16,210	16,00
M 20	1,00	18,917	19,153	19,00
M 20	1,50	18,376	18,676	18,50
M 20	2,00	17,835	18,210	18,00
M 22	1,00	20,917	21,153	21,00
M 22	1,50	20,376	20,676	20,50
M 22	2,00	19,835	20,210	20,00
M 24	1,00	22,917	23,153	23,00
M 24	1,50	22,376	22,676	22,50
M 24	2,00	21,835	22,210	22,00
M 26	1,00	24,917	25,153	25,00
M 26	1,50	24,376	24,676	24,50
M 27	1,50	25,376	25,676	25,50
M 27	2,00	24,835	25,210	25,00
M 28	1,50	26,376	26,676	26,50

MF
FILETTATURA METRICA ISO PASSO FINE DIN 13 TOL. 6H (P 0,25 = 5H SEC. DIN ISO 965-1)

	P	D1 in mm		⌀
		min.	max.	
M 28	2,00	25,835	26,210	26,00
M 30	1,50	28,376	28,676	28,50
M 30	2,00	27,835	28,210	28,00
M 30	3,00	26,752	27,252	27,00
M 32	1,50	30,376	30,676	30,50
M 32	2,00	29,835	30,210	30,00
M 32	3,00	26,752	27,252	29,00
M 33	1,50	31,376	31,676	31,50
M 33	2,00	30,835	31,210	31,00
M 33	3,00	29,752	30,252	30,00
M 36	1,50	34,376	34,676	34,50
M 36	2,00	33,835	34,210	34,00
M 36	3,00	32,752	33,252	33,00
M 38	1,50	36,376	36,676	36,50
M 39	2,00	36,835	37,210	37,00
M 39	3,00	35,752	36,252	36,00
M 40	1,50	38,376	38,676	38,50
M 40	2,00	37,835	38,210	38,00
M 42	1,50	40,376	40,676	40,50
M 42	2,00	39,835	40,210	40,00
M 42	3,00	38,752	39,252	39,00
M 45	1,50	43,376	43,676	43,50
M 45	2,00	42,835	43,210	43,00
M 45	3,00	41,752	42,252	42,00
M 48	1,50	46,376	46,676	46,50
M 48	2,00	45,835	46,210	46,00
M 48	3,00	44,752	45,210	45,00
M 50	1,50	48,376	48,676	48,50
M 50	2,00	47,835	48,210	48,00
M 50	3,00	46,752	47,252	47,00
M 52	1,50	50,376	50,676	50,50
M 52	2,00	49,835	50,210	50,00
M 52	3,00	48,752	49,252	49,00

EG THREADS (FOR APPLIED THREADS)
FILETTATURE EG (PER FILETTI RIPORTATI)
EG-GEWINDE (FÜR ANGEWANDTE GEWINDE)



EG M
FILETTATURA METRICA DIN 8140

	P	D1 in mm		⌀
		min.	max.	
EG M 2	0,40	2,087	2,177	2,10
EG M 2,5	0,45	2,597	2,697	2,65
EG M 3	0,50	3,108	3,220	3,15
EG M 3,5	0,60	3,630	3,755	3,70
EG M 4	0,70	4,152	4,292	4,20
EG M 5	0,80	5,174	5,344	5,25
EG M 6	1,00	6,217	6,407	6,30
EG M 7	1,00	7,217	7,407	7,30
EG M 8	1,25	8,217	8,483	8,40
EG M 9	1,25	9,217	9,483	9,40
EG M 10	1,50	10,324	10,560	10,50
EG M 11	1,50	11,324	11,560	11,50
EG M 12	1,75	12,379	12,644	12,50
EG M 14	2,00	14,433	14,733	14,50
EG M 16	2,00	16,433	16,733	16,50
EG M 18	2,50	18,541	18,986	18,80
EG M 20	2,50	20,541	20,896	20,80

EG UNC
FILETTATURA GROSSA UNIFICATA ASME B18.29.1 E BS 3409

	P	D1 in mm		⌀
		min.	max.	
EG UNC No1	64	1,941	2,090	2,00
EG UNC No2	56	2,283	2,441	2,35
EG UNC No3	48	2,631	2,804	2,70
EG UNC No4	40	2,985	3,180	3,10
EG UNC No5	40	3,315	3,487	3,40
EG UNC No6	32	3,678	3,879	3,80
EG UNC No8	32	4,338	4,524	4,40
EG UNC No10	24	5,055	5,283	5,20
EG UNC No12	24	5,715	5,944	5,80
EG UNC 1/4"	20	6,624	6,868	6,70
EG UNC 5/16"	18	8,242	8,489	8,40
EG UNC 3/8"	16	9,868	10,127	10,00
EG UNC 7/16"	14	11,506	11,783	11,70
EG UNC 1/2"	13	13,122	13,393	13,30
EG UNC 9/16"	12	14,747	15,032	15,00
EG UNC 5/8"	11	16,375	16,673	16,50
EG UNC 3/4"	10	19,599	19,909	19,75
EG UNC 7/8"	9	22,835	23,162	23,10
EG UNC 1"	8	26,088	26,469	26,25

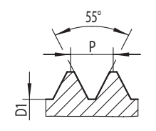
EG MF
FILETTATURA METRICA ISO A PASSO FINE DIN 8140

	P	D1 in mm		⌀
		min.	max.	
EG M 8	1,00	8,217	8,407	8,30
EG M 10	1,00	10,217	10,407	10,30
EG M 10	1,25	10,217	10,483	10,40
EG M 12	1,00	12,217	12,407	12,30
EG M 12	1,25	12,271	12,483	12,40
EG M 12	1,50	12,324	12,560	12,50
EG M 14	1,25	14,271	14,483	14,40
EG M 14	1,50	14,324	14,560	14,50
EG M 16	1,50	16,324	16,560	16,50
EG M 18	1,50	18,324	18,560	18,50
EG M 20	1,50	20,324	20,560	20,50
EG M 22	1,50	22,324	22,560	22,50
EG M 24	1,50	24,324	24,560	24,50

EG UNF
FILETTATURA FINE UNIFICATA ASME B18.29.1 E BS 3409

	P	D1 in mm		⌀
		min.	max.	
EG UNF No2	64	2,271	2,405	2,30
EG UNF No3	56	2,614	2,758	2,70
EG UNF No4	48	2,962	3,122	3,00
EG UNF No6	40	3,645	3,818	3,70
EG UNF No8	36	4,321	4,498	4,40
EG UNF No10	32	4,999	5,184	5,10
EG UNF 1/4"	28	6,546	6,721	6,60
EG UNF 5/16"	24	8,166	8,352	8,25
EG UNF 3/8"	24	9,754	9,931	9,80
EG UNF 7/16"	20	11,387	11,585	11,50
EG UNF 1/2"	20	12,974	13,172	13,10
EG UNF 9/16"	18	14,592	14,798	14,70
EG UNF 5/8"	18	16,180	16,386	16,25
EG UNF 3/4"	16	19,393	19,609	19,50
EG UNF 7/8"	14	22,619	22,845	22,75
EG UNF 1"	12	25,860	26,114	26,00

GAS THREADS
FILETTATURE GAS
GAS GEWINDE

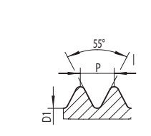


G
FILETTATURA WHITWORTH GAS DIN EN ISO 228

	P	D1 in mm		⌀
		min.	max.	
G 1/8"	28	8,566	8,848	8,80
G 1/4"	19	11,445	11,890	11,80
G 3/8"	19	14,950	15,395	15,25
G 1/2"	14	18,631	19,172	19,00
G 5/8"	14	20,587	21,128	21,00
G 3/4"	14	24,117	24,658	24,50
G 7/8"	14	27,877	28,418	28,25
G 1"	11	30,291	30,931	30,75
G 1.1/8"	11	34,939	35,579	35,50
G 1.1/4"	11	38,952	39,592	39,50
G 1.1/2"	11	44,845	45,485	45,25
G 1.3/4"	11	50,788	51,428	51,00
G 2"	11	56,656	57,296	57,00
G 2.1/4"	11	62,752	63,392	63,00
G 2.1/2"	11	72,226	72,866	72,50
G 2.3/4"	11	78,576	79,216	79,00
G 3"	11	84,926	85,566	85,30
G 3.1/2"	11	97,372	98,012	97,70
G 4"	11	110,072	110,712	110,50

BSW
FILETTATURA WHITWORTH STANDARD INGLESE BS 84

	P	D1 in mm		⌀
		min.	max.	
BSW 1/8"	40	2,360	2,590	2,50
BSW 3/16"	24	3,406	3,740	3,60
BSW 1/4"	20	4,724	5,156	5,10
BSW 5/16"	18	6,121	6,589	6,50
BSW 3/8"	16	7,493	7,988	7,90
BSW 7/16"	14	8,791	9,332	9,20
BSW 1/2"	12	9,987	10,589	10,50
BSW 5/8"	11	12,918	13,559	13,40
BSW 3/4"	10	15,831	16,538	16,40
BSW 7/8"	9	18,613	19,355	19,25
BSW 1"	8	21,336	22,149	22,00
BSW 1.1/8"	7	23,927	24,831	24,75
BSW 1.1/4"	7	27,102	28,006	27,50
BSW 1.3/8"	6	29,558	30,555	30,00
BSW 1.1/2"	6	32,680	33,703	33,50
BSW 1.5/8"	5	34,834	35,921	35,50
BSW 1.3/4"	5	37,943	39,136	39,00
BSW 1.7/8"	4,5	40,468	41,648	41,50
BSW 2"	4,5	43,571	44,877	44,50
BSW 2.1/4"	4	49,017	50,465	50,00
BSW 2.1/2"	4	55,367	56,815	56,00
BSW 2.3/4"	3,5	60,554	62,182	62,00
BSW 3"	3,5	66,904	68,532	68,00

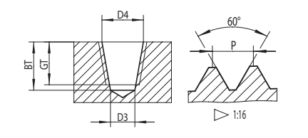


Rp
FILETTATURA CILINDRICA (CIL.) INTERNA WHITWORTH DIN EN 10226-1

	P	D1 in mm		⌀
		min.	max.	
Rp 1/8"	28	8,495	8,637	8,60
Rp 1/4"	19	11,341	11,549	11,50
Rp 3/8"	19	14,846	15,054	15,00
Rp 1/2"	14	18,489	18,773	18,50
Rp 3/4"	14	23,975	24,259	24,00
Rp 1"	11	30,111	30,471	30,25
Rp 1.1/4"	11	38,772	39,132	39,00
Rp 1.1/2"	11	44,665	45,025	44,85
Rp 2"	11	56,476	56,836	56,50

BSF
FILETTATURA WHITWORTH FINE STANDARD INGLESE BS 84

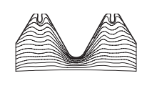
	P	D1 in mm		⌀
		min.	max.	
BSF 3/16"	32	3,745	4,006	4,00
BSF 7/32"	28	4,394	4,677	4,60
BSF 1/4"	26	5,099	5,396	5,30
BSF 5/16"	22	6,459	6,817	6,70
BSF 3/8"	20	7,900	8,331	8,20
BSF 7/16"	18	9,306	9,766	9,60
BSF 1/2"	16	10,667	11,162	11,00
BSF 9/16"	16	12,255	12,750	12,60
BSF 5/8"	14	13,553	14,093	14,00
BSF 3/4"	12	16,340	16,941	16,80
BSF 7/8"	11	19,269	19,909	19,80
BSF 1"	10	22,148	22,834	22,70
BSF 1.1/8"	9	24,962	25,704	25,50
BSF 1.1/4"	9	28,137	28,879	28,50
BSF 1.3/8"	8	30,860	31,673	31,50
BSF 1.1/2"	8	34,035	34,848	34,50
BSF 1.5/8"	8	37,211	38,024	37,50



Rc
FILETTATURA CONICA (CON.) WHITWORTH DIN EN 10226-2 E ISO 7/1 CONICO 1:16

	P	in mm			
		D3 cil.	D4 con.	GT	BT
Rc 1/8"	28	8,30	8,55	8,80	10,20
Rc 1/4"	19	11,10	11,40	13,10	15,70
Rc 3/8"	19	14,50	14,95	13,50	16,00
Rc 1/2"	14	18,00	18,60	17,80	21,50
Rc 3/4"	14	23,50	24,10	19,10	22,80
Rc 1"	11	29,75	30,25	22,70	27,30
Rc 1.1/4"	11	38,25	38,90	25,00	30,00
Rc 1.1/2"	11	44,00	44,80	25,00	30,00
Rc 2"	11	55,56	56,62	29,30	34,00

ROLLING TAPS
MASCHI A RULLARE
ROLLENDE WASSERHÄHNE



M
FILETTATURA METRICA ISO DIN 13

	P	⌀
M 1	0,25	0,88
M 1,1	0,25	0,98
M 1,2	0,25	1,08
M 1,4	0,30	1,26
M 1,6	0,35	1,45
M 1,8	0,35	1,65
M 2	0,40	1,82
M 2,2	0,45	2,00
M 2,5	0,45	2,30
M 3	0,50	2,80
M 3,5	0,60	3,25
M 4	0,70	3,70
M 4,5	0,75	4,15
M 5	0,80	4,65
M 6	1,00	5,55
M 7	1,00	6,55
M 8	1,25	7,45
M 9	1,25	8,45
M 10	1,50	9,35
M 11	1,50	10,35
M 12	1,75	11,20
M 14	2,00	13,10
M 16	2,00	15,10
M 18	2,50	16,80
M 20	2,50	18,80
M 22	2,50	20,80
M 24	3,00	22,60
M 27	3,00	25,60
M 30	3,50	28,30
M 33	3,50	31,30
M 36	4,00	34,10
M 39	4,00	37,10
M 42	4,50	39,80
M 45	4,50	42,80
M 48	5,00	45,60

MF
FILETTATURA METRICA ISO PASSO FINE DIN 13

	P	⌀
M 2	0,25	1,88
M 2,2	0,25	2,10
M 2,5	0,35	2,35
M 3	0,35	2,85
M 3,5	0,35	3,35
M 4	0,50	3,80
M 5	0,50	4,80
M 6	0,50	5,80
M 6	0,75	5,65
M 8	0,75	7,65
M 8	1,00	7,55
M 10	0,75	9,65
M 10	1,00	9,55
M 10	1,25	9,45
M 12	0,75	11,65
M 12	1,00	11,55
M 12	1,25	11,45
M 12	1,50	11,35
M 14	1,00	13,55
M 14	1,25	13,45
M 14	1,50	13,35
M 16	1,00	15,55
M 16	1,50	15,35
M 18	1,00	17,55
M 18	1,50	17,35
M 18	2,00	17,10
M 20	1,00	19,55
M 20	1,50	19,35
M 20	2,00	19,10
M 22	1,00	21,55
M 22	1,50	21,35
M 22	2,00	21,10
M 24	1,00	23,55
M 24	1,50	23,35
M 24	2,00	23,10

MF
FILETTATURA METRICA ISO PASSO FINE DIN 13

	P	⌀
M 26	1,00	25,55
M 26	1,50	25,35
M 27	1,50	26,35
M 27	2,00	26,10
M 28	1,00	27,55
M 28	1,50	27,35
M 28	2,00	27,10
M 30	1,00	29,55
M 30	1,50	29,35
M 30	2,00	29,10
M 30	3,00	28,60
M 32	1,50	31,35
M 32	2,00	31,10
M 33	1,50	32,35
M 33	2,00	32,10
M 33	3,00	31,60
M 36	1,50	35,35
M 36	2,00	35,10
M 36	3,00	34,60
M 38	1,50	37,35
M 39	2,00	38,10
M 39	3,00	37,60
M 40	1,50	39,35
M 40	2,00	39,10
M 42	1,50	41,35
M 42	2,00	41,10
M 42	3,00	40,60
M 45	1,50	44,35
M 45	2,00	44,10
M 45	3,00	43,60
M 48	1,50	47,35
M 48	2,00	47,10
M 48	3,00	46,60

EG M
FILETTATURA METRICA ISO DIN 8140

	P	⌀
EG M 2	0,40	2,35
EG M 2,5	0,45	2,90
EG M 3	0,50	3,40
EG M 3,5	0,60	4,00
EG M 4	0,70	4,60
EG M 5	0,80	5,70
EG M 6	1,00	6,80
EG M 7	1,00	7,80
EG M 8	1,25	9,10
EG M 9	1,25	10,10
EG M 10	1,50	11,30
EG M 11	1,50	12,30
EG M 12	1,75	13,50
EG M 14	2,00	15,70
EG M 16	2,00	17,70
EG M 18	2,50	20,00
EG M 20	2,50	22,00

EG MF
FILETTATURA METRICA ISO PASSO FINE DIN 8140

	P	⌀
EG 8	1,00	8,80
EG M 10	1,00	10,80
EG M 10	1,25	11,10
EG M 12	1,00	12,80
EG M 12	1,25	13,10
EG M 12	1,50	13,30
EG M 14	1,25	15,10
EG M 14	1,50	15,30
EG M 16	1,50	17,30
EG M 18	1,50	19,30
EG M 20	1,50	21,30
EG M 22	1,50	23,30
EG M 24	1,50	25,30

UNC
FILETTATURA GROSSA UNIFICATA ASME B1.1

	P	⌀
UNC No1	64	1,68
UNC No2	56	1,98
UNC No3	48	2,26
UNC No4	40	2,55
UNC No5	40	2,90
UNC No6	32	3,15
UNC No8	32	3,80
UNC No10	24	4,35
UNC No12	24	5,00
UNC 1/4"	20	5,80
UNC 5/16"	18	7,30
UNC 3/8"	16	8,80
UNC 7/16"	14	10,30
UNC 1/2"	13	11,80
UNC 9/16"	12	13,35
UNC 5/8"	11	14,85
UNC 3/4"	10	17,80
UNC 7/8"	9	20,90
UNC 1"	8	23,90
UNC 1.1/8"	7	26,80
UNC 1.1/4"	7	30,00
UNC 1.3/8"	6	32,90
UNC 1.1/2"	6	36,10

UNF
FILETTATURA FINE UNIFICATA ASME B1.1

	P	⌀
UNF No0	80	1,38
UNF No1	72	1,70
UNF No2	64	2,00
UNF No3	56	2,30
UNF No4	48	2,60
UNF No5	44	2,90
UNF No6	40	3,20
UNF No8	36	3,85
UNF No10	32	4,45
UNF No12	28	5,10
UNF 1/4"	28	5,90
UNF 5/16"	24	7,45
UNF 3/8"	24	9,05
UNF 7/16"	20	10,55
UNF 1/2"	20	12,15
UNF 9/16"	18	13,65
UNF 5/8"	18	15,25
UNF 3/4"	16	18,35
UNF 7/8"	14	21,40
UNF 1"	12	24,45
UNF 1.1/8"	12	27,60
UNF 1.1/4"	12	30,80
UNF 1.3/8"	12	33,95
UNF 1.1/2"	12	37,15

UNEF
FILETTATURA EXTRA FINE UNIFICATA ASME B1.1

	P	⌀
UNEF No12	32	5,10
UNEF 1/4"	32	6,00
UNEF 5/16"	32	7,60
UNEF 3/8"	32	9,20
UNEF 7/16"	28	10,70
UNEF 1/2"	28	12,30
UNEF 9/16"	24	13,80
UNEF 5/8"	24	15,40
UNEF 11/16"	24	17,00
UNEF 3/4"	20	18,50
UNEF 13/16"	20	20,10
UNEF 7/8"	20	21,60
UNEF 15/16"	20	23,20
UNEF 1"	20	24,80
UNEF 1.1/16"	18	26,35
UNEF 1.1/8"	18	27,90
UNEF 1.1/4"	18	31,10
UNEF 1.5/16"	18	32,70
UNEF 1.3/8"	18	34,30
UNEF 1.1/2"	18	37,50

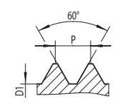
G
FILETTATURA WHITWORTH GAS DIN EN ISO 228

	P	⌀
G 1/8"	28	9,25
G 1/4"	19	12,50
G 3/8"	19	16,00
G 1/2"	14	20,00
G 5/8"	14	22,00
G 3/4"	14	25,50
G 7/8"	14	29,25
G 1"	11	32,00
G 1.1/8"	11	36,60
G 1.1/4"	11	40,60
G 1.1/2"	11	46,50

BSW
FILETTATURA WHITWORTH STANDARD INGLESE BS 84

	P	⌀
BSW 1/8"	40	2,85
BSW 3/16"	24	4,20
BSW 1/4"	20	5,70
BSW 5/16"	18	7,20
BSW 3/8"	16	8,70
BSW 7/16"	14	10,20
BSW 1/2"	12	11,60
BSW 5/8"	11	14,70
BSW 3/4"	10	17,70
BSW 7/8"	9	21,00
BSW 1"	8	23,75
BSW 1.1/8"	7	26,70
BSW 1.1/4"	7	29,90
BSW 1.1/2"	6	35,90

UNIFIED AMERICAN THREADS
FILETTATURE UNIFICATE AMERICANE
EINHEITLICHE AMERIKANISCHE GEWINDE



UNC
FILETTATURA GROSSA UNIFICATA ASME B1.1

	P	D1 in mm			⌀
		min. 2B/3B	max. 2B	max. 3B	
UNC No1	64	1,425	1,582	1,582	1,55
UNC No2	56	1,694	1,872	1,872	1,85
UNC No3	48	1,941	2,146	2,146	2,10
UNC No4	40	2,156	2,385	2,385	2,35
UNC No5	40	2,487	2,697	2,697	2,65
UNC No6	32	2,642	2,896	2,893	2,85
UNC No8	32	3,302	3,531	3,528	3,50
UNC No10	24	3,683	3,962	3,950	3,90
UNC No12	24	4,343	4,597	4,590	4,50
UNC 1/4"	20	4,978	5,258	5,250	5,10
UNC 5/16"	18	6,401	6,731	6,680	6,60
UNC 3/8"	16	7,798	8,153	8,082	8,00
UNC 7/16"	14	9,144	9,550	9,441	9,40
UNC 1/2"	13	10,592	11,024	10,881	10,80
UNC 9/16"	12	11,989	12,446	12,301	12,20
UNC 5/8"	11	13,386	13,868	13,693	13,50
UNC 3/4"	10	16,307	16,840	16,624	16,50
UNC 7/8"	9	19,177	19,761	19,520	19,50
UNC 1"	8	21,971	22,606	22,344	22,25
UNC 1.1/8"	7	24,638	25,349	25,082	25,00
UNC 1.1/4"	7	27,813	28,524	28,258	28,00
UNC 1.3/8"	6	30,353	31,115	30,851	30,75
UNC 1.1/2"	6	33,528	34,290	34,026	34,00
UNC 1.3/4"	5	38,964	39,827	39,560	39,50
UNC 2"	4,5	44,679	45,593	45,367	45,00
UNC 2.1/4"	4,5	51,029	51,943	51,717	51,50
UNC 2.1/2"	4	56,617	57,582	57,389	57,20
UNC 2.3/4"	4	62,967	63,932	63,739	63,50
UNC 3"	4	69,317	70,282	70,089	69,90

UNF
FILETTATURA FINE UNIFICATA ASME B1.1

	P	D1 in mm			⌀
		min. 2B/3B	max. 2B	max. 3B	
UNF No0	80	1,181	1,306	1,306	1,25
UNF No1	72	1,473	1,613	1,613	1,55
UNF No2	64	1,755	1,913	1,913	1,85
UNF No3	56	2,024	2,197	2,197	2,15
UNF No4	48	2,271	2,459	2,459	2,40
UNF No5	44	2,550	2,741	2,741	2,70
UNF No6	40	2,819	3,023	3,012	2,95
UNF No8	36	3,404	3,607	3,597	3,50
UNF No10	32	3,962	4,166	4,168	4,10
UNF No12	28	4,496	4,724	4,717	4,60
UNF 1/4"	28	5,359	5,588	5,563	5,50
UNF 5/16"	24	6,782	7,036	6,995	6,90
UNF 3/8"	24	8,382	8,636	8,565	8,50
UNF 7/16"	20	9,728	10,033	9,947	9,90
UNF 1/2"	20	11,328	11,608	11,524	11,50
UNF 9/16"	18	12,751	13,081	12,969	12,90
UNF 5/8"	18	14,351	14,681	14,554	14,50
UNF 3/4"	16	17,323	17,678	17,546	17,50
UNF 7/8"	14	20,269	20,676	20,493	20,40
UNF 1"	12	23,114	23,571	23,363	23,25
UNF 1.1/8"	12	26,289	26,746	26,538	26,50
UNF 1.1/4"	12	29,464	29,921	29,713	29,50
UNF 1.3/8"	12	32,639	33,096	32,888	32,75
UNF 1.1/2"	12	35,814	36,269	36,063	36,00

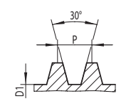
UN
FILETTATURA UNIFICATA ASME B1.1

	P	D1 in mm			⌀
		min. 2B/3B	max. 2B	max. 3B	
UN 1.1/8"	8	25,146	25,781	25,519	25,40
UN 1.1/4"	8	28,321	28,956	28,694	28,50
UN 1.3/8"	8	31,496	32,131	31,869	31,80
UN 1.1/2"	8	34,671	35,306	35,044	35,00
UN 1.5/8"	8	37,846	38,481	38,219	38,10
UN 1.3/4"	8	41,021	41,656	41,394	41,30
UN 1.3/4"	12	42,164	42,621	42,413	42,30
UN 1.7/8"	8	44,196	44,831	44,569	44,50
UN 2"	8	47,371	48,006	47,744	47,70
UN 2"	12	48,514	48,971	48,763	48,70

UNEF
FILETTATURA EXTRA FINE UNIFICATA ASME B1.1

	P	D1 in mm			⌀
		min. 2B/3B	max. 2B	max. 3B	
UNEF No12	32	4,623	4,826	4,813	4,70
UNEF 1/4"	32	5,486	5,690	5,662	5,55
UNEF 5/16"	32	7,087	7,264	7,231	7,10
UNEF 3/8"	32	8,661	8,865	8,811	8,70
UNEF 7/16"	28	10,135	10,338	10,290	10,20
UNEF 1/2"	28	11,709	11,938	11,877	11,80
UNEF 9/16"	24	13,132	13,386	13,320	13,20
UNEF 5/8"	24	14,732	14,986	14,907	14,80
UNEF 11/16"	24	16,307	16,561	16,495	16,40
UNEF 3/4"	20	17,678	17,958	17,874	17,80
UNEF 13/16"	20	19,253	19,558	19,461	19,40
UNEF 7/8"	20	20,853	21,133	21,049	21,00
UNEF 15/16"	20	22,428	22,733	22,636	22,50
UNEF 1"	20	24,028	24,308	24,224	24,10
UNEF 1.1/16"	18	25,451	25,781	25,667	25,60
UNEF 1.1/8"	18	27,051	27,381	27,254	27,20
UNEF 1.1/4"	18	30,226	30,556	30,429	30,30
UNEF 1.5/16"	18	31,801	32,131	32,017	31,95
UNEF 1.3/8"	18	33,401	33,731	33,604	33,50
UNEF 1.1/2"	18	36,576	36,881	36,779	36,70

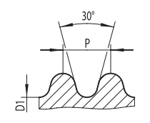
TRAPEZOIDAL THREADS
FILETTATURE TRAPEZOIDALE
TRAPEZGEWINDE



Tr
FILETTATURA TRAPEZOIDALE ISO DIN 103 TOL. 7H

	P	D1 in mm		⌀
		min.	max.	
Tr 10	2	8,000	8,236	8,20
Tr 12	3	9,000	9,315	9,20
Tr 14	3	11,000	11,315	11,25
Tr 14^{1}	4	10,500	10,875	10,50
Tr 16	4	12,000	12,375	12,25
Tr 18	4	14,000	14,375	14,25
Tr 20	4	16,000	16,375	16,25
Tr 22	5	17,000	17,450	17,25
Tr 24	5	19,000	19,450	19,25
Tr 28	5	23,000	23,450	23,25
Tr 30	6	24,000	24,500	24,25
Tr 32	6	26,000	26,500	26,25
Tr 36	6	30,000	30,500	30,25
Tr 38	7	31,000	31,560	31,50
Tr 44	7	37,000	37,560	37,50
Tr 46	8	38,000	38,630	38,50
Tr 50	8	42,000	42,630	42,50
Tr 55	9	46,000	46,670	46,50
Tr 60	9	51,000	51,670	51,50
Tr 65	10	55,000	55,710	55,50

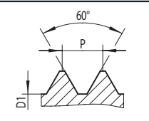
ROUND THREADS
FILETTATURE TONDE
RUNDE GEWINDE



Rd
FILETTATURA TONDA DIN 405 TOL. 7H

	P	D1 in mm		⌀
		min.	max.	
Rd 8	10	5,714	6,274	6,00
Rd 10	10	7,714	8,274	8,00
Rd 12	10	9,714	10,274	10,00
Rd 14	8	11,142	11,812	11,50
Rd 16	8	13,142	13,812	13,50
Rd 18	8	15,142	15,812	15,50
Rd 20	8	17,142	17,812	17,50
Rd 22	8	19,142	19,812	19,50
Rd 24	8	21,142	21,812	21,50
Rd 28	8	25,142	25,812	25,50

AMERICAN CYLINDRICAL GAS THREADS
FILETTATURE GAS CILINDRICHE AMERICANE
AMERIKANISCHE ZYLINDRISCHE GAS GEWINDE



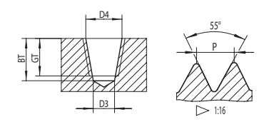
NPSM
FILETTATURA GAS CILINDRICA AMERICANA ASME B1.20.1

	P	D1 in mm		⌀
		min.	max.	
NPSM 1/8"	27	9,093	9,246	9,10
NPSM 1/4"	18	11,887	12,217	12,00
NPSM 3/8"	18	15,316	15,545	15,50
NPSM 1/2"	14	18,974	19,279	19,00
NPSM 3/4"	14	24,333	24,638	24,50
NPSM 1"	11,5	30,505	30,759	30,60
NPSM	11,5	39,268	39,497	39,40
NPSM	11,5	45,339	45,568	45,50
NPSM 2"	11,5	57,379	57,607	57,50

NPSF
FILETTATURA GAS CILINDRICA AMERICANA ASME B1.20.3

	P	D1 in mm		⌀
		min.	max.	
NPSF 1/8"	27	8,651	8,830	8,70
NPSF 1/4"	18	11,232	11,452	11,30
NPSF 3/8"	18	14,671	14,889	14,75
NPSF 1/2"	14	18,118	18,375	18,25
NPSF 3/4"	14	23,465	23,772	23,50
NPSF 1"	11,5	29,464	29,758	29,50

AMERICAN TAPERED THREADS
FILETTATURE CONICHE AMERICANE
AMERIKANISCHE KONISCHE GEWINDE



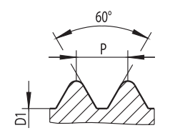
NPT
FILETTATURA CONICA AMERICANA ASME B1.20.1 CONICO 1:16

	P	in mm			
		D3 cil.	D4 con.	GT	BT
NPT 1/16"	27	6,15	6,39	9,70	12,10
NPT 1/8"	27	8,40	8,74	9,70	12,10
NPT 1/4"	18	11,10	11,36	14,30	17,50
NPT 3/8"	18	14,30	14,80	14,60	17,70
NPT 1/2"	14	17,90	18,32	19,00	23,00
NPT 3/4"	14	23,20	23,67	19,50	23,00
NPT 1"	11,5	29,00	29,69	23,40	27,40
NPT 1.1/4"	11,5	37,70	38,45	23,90	28,00
NPT 1.1/2"	11,5	44,00	44,52	23,90	28,40
NPT 2"	11,5	56,00	56,56	24,30	28,40

NPTF
FILETTATURA CONICA AMERICANA ASME B1.20.1 CONICO 1:16

	P	in mm			
		D3 cil.	D4 con.	GT	BT
NPFT 1/16"	27	6,10	6,41	9,70	12,10
NPFT 1/8"	27	8,40	8,76	9,70	12,10
NPFT 1/4"	18	11,00	11,40	14,30	17,50
NPFT 3/8"	18	14,30	14,84	14,60	17,70
NPFT 1/2"	14	17,60	18,33	19,00	23,00
NPFT 3/4"	14	23,00	23,68	19,50	23,00
NPFT 1"	11,5	29,00	29,73	23,40	27,40
NPFT 1.1/4"	11,5	37,50	38,48	23,90	28,00
NPFT 1.1/2"	11,5	43,50	44,55	23,90	28,40
NPFT 2"	11,5	56,00	56,59	24,30	28,40

THREADS FOR AERONAUTICS
FILETTATURE PER L'AERONAUTICA
GEWINDE ZUR LUFTFAHRT



MJ
FILETTATURA METRICA DIN ISO 5855

	P	D1 in mm		⌀
		min.	max.	
MJ 3	0,50	2,513	2,653	2,60
MJ 4	0,70	3,318	3,498	3,40
MJ 5	0,80	4,221	4,421	4,30
MJ 6	1,00	5,026	5,215	5,10
MJ 8	1,25	6,782	6,994	6,90
MJ 10	1,50	8,539	8,779	8,70
MJ 12	1,75	10,295	10,563	10,50

UNJC
FILETTATURA GROSSA UNIFICATA ASME B1.15 E ISO 3161

	P	D1 in mm		⌀
		min.	max.	
UNJC No4	40	2,226	2,391	2,30
UNJC No6	32	2,732	2,938	2,80
UNJC No8	32	3,393	3,599	3,50
UNJC No10	24	3,795	4,064	3,90
UNJC 1/4"	20	5,113	5,387	5,20
UNJC 5/16"	18	6,563	6,833	6,70
UNJC 3/8"	16	7,978	8,255	8,10
UNJC 1/2"	13	10,796	11,093	10,90

UNJF
FILETTATURA FINE UNIFICATA ASME B1.15 E ISO 3161

	P	D1 in mm		⌀
		min.	max.	
UNJF No4	48	2,329	2,467	2,40
UNJF No6	40	2,886	3,051	2,95
UNJF No8	36	3,479	3,662	3,60
UNJF No10	32	4,053	4,253	4,15
UNJF 1/4"	28	5,466	5,662	5,60
UNJF 5/16"	24	6,907	7,110	7,00
UNJF 3/8"	24	8,494	8,680	8,60
UNJF 1/2"	20	11,463	11,660	11,50

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IG UTENSILI S.r.l.   Via Amos Verzelloni 12/B - 42015 Correggio (Reggio E.) - Italy - Tel. +39.522.693523 - @:preventivi@igutensili.it - www.igutensili.it

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