

 Rosca interior / Filettatura interna / Rosca interior

 Rosca exterior / Filettatura esterna / Rosca exterior

ErreBi
COMMERCIALE
UTENSILERIA MECCANICA

$$D_1 = d - 1,082532 P$$

$$d_2 = D_2 = d - 0,649519 P$$

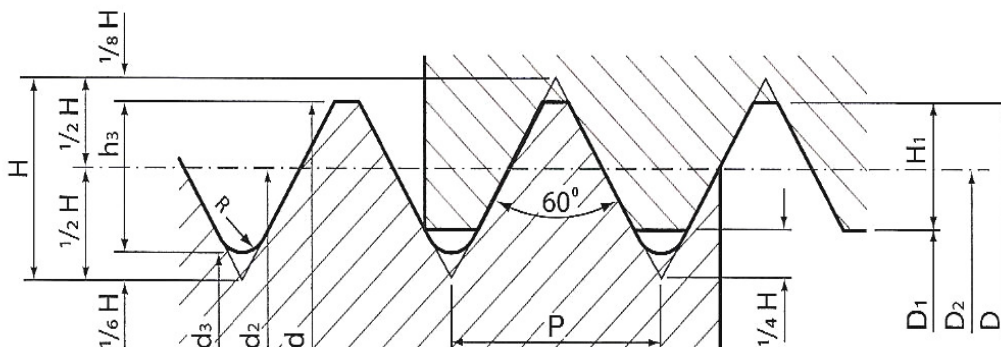
$$d_3 = d - 1,22686 P$$

$$H = 0,86603 P$$

$$H_1 = 0,54127 P$$

$$h_3 = 0,61343 P$$

$$r = H/6 = 0,14434 P$$



Perfil de la rosca / Profilo della filettatura / Perfil da rosca

Diámetro nominal de la rosca Diametro nominale della filettatura Diámetro nominal da rosca	Paso Passo Passo	Diámetro exterior Diametro esterno Diámetro exterior	Diámetro medio Diametro medio Diámetro médio	Diámetro núcleo Diametro nocciolo Diámetro do núcleo	
d - N	P mm	d mm	d ₂ = D ₂ mm	d ₃ mm	D ₁ mm
No.1 - 64	0,397	1,854	1,598	1,367	1,425
No.2 - 56	0,454	2,184	1,890	1,628	1,694
No.3 - 48	0,529	2,515	2,172	1,864	1,941
No.4 - 40	0,635	2,845	2,433	2,065	2,156
No.5 - 40	0,635	3,175	2,764	2,395	2,487
No.6 - 32	0,794	3,505	2,990	2,532	2,647
No.8 - 32	0,794	4,166	3,650	3,193	3,307
No.10 - 24	1,058	4,826	4,138	3,528	3,680
No.12 - 24	1,058	5,486	4,798	4,188	4,341
1/4 - 20	1,270	6,350	5,524	4,793	4,976
5/16 - 18	1,411	7,938	7,021	6,205	6,411
3/8 - 16	1,588	9,525	8,494	7,577	7,798
7/16 - 14	1,814	11,112	9,934	8,887	9,149
1/2 - 13	1,954	12,700	11,430	10,302	10,592
9/16 - 12	2,117	14,288	12,913	11,692	11,989
5/8 - 11	2,309	15,875	14,376	13,043	13,386
3/4 - 10	2,540	19,050	17,399	15,933	16,307
7/8 - 9	2,822	22,225	20,391	18,763	19,177
1 - 8	3,175	25,400	23,338	21,504	21,971
1 1/8 - 7	3,629	28,575	26,218	24,122	24,638
1 1/4 - 7	3,629	31,750	29,393	27,297	27,813
1 3/8 - 6	4,233	34,925	32,174	29,731	30,353
1 1/2 - 6	4,233	38,100	35,349	32,906	33,528
1 3/4 - 5	5,080	44,450	41,151	38,217	38,964
2 - 4 1/2	5,644	50,800	47,135	43,876	44,679
2 1/4 - 4 1/2	5,644	57,150	53,485	50,226	51,029
2 1/2 - 4	6,350	63,500	59,375	55,710	56,617
2 3/4 - 4	6,350	69,850	65,725	62,060	62,967
3 - 4	6,350	76,200	72,075	68,410	69,317
3 1/4 - 4	6,350	82,550	78,425	74,760	75,667
3 1/2 - 4	6,350	88,900	84,775	81,110	82,017
3 3/4 - 4	6,350	95,250	91,125	87,460	88,367
4 - 4	6,350	101,600	97,475	93,810	94,717



Macho / Maschio / Macho

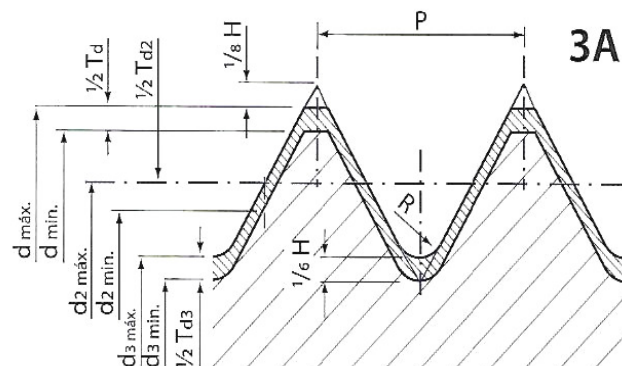
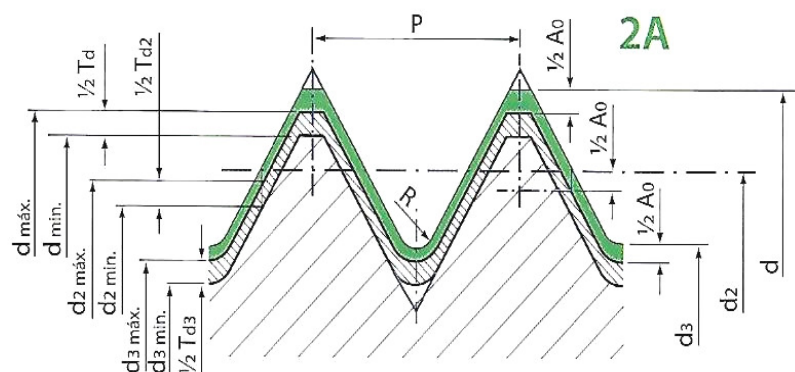
Diámetro exterior Diametro esterno Diámetro exterior	Tolerancia Tolleranza Tolerância	Diámetro medio Diametro medio Diámetro médio		Diámetro núcleo Diametro nocciolo Diámetro núcleo
d min mm	2B Limit	d ₂ min. mm	d ₂ max. mm	d ₃ max. mm
1,867	H3	1,623	1,636	1,393
2,197	H3	1,915	1,928	1,654
2,540	H3	2,197	2,210	1,890
2,883	H3	2,458	2,471	2,091
3,213	H3	2,789	2,802	2,421
3,556	H4	3,028	3,041	2,570
4,217	H4	3,688	3,701	3,231
4,902	H4	4,176	4,189	3,566
5,562	H4	4,836	4,849	4,226
6,452	H5	5,574	5,588	4,841
8,052	H5	7,071	7,085	6,256
9,652	H5	8,544	8,558	7,627
11,264	H5	9,984	9,998	8,936
12,865	H6	11,494	11,506	10,366
14,453	H6	12,977	12,989	11,754
16,053	H6	14,440	14,452	13,107
19,240	H7	17,475	17,488	16,010
22,441	H7	20,467	20,480	18,838
25,641	H7	23,414	23,427	21,581
28,829	H8	26,294	26,320	24,199
32,004	H8	29,469	29,495	27,374
35,230	H8	32,250	32,276	29,807
38,405	H8	35,425	35,451	32,982
44,792	H9	41,240	41,265	38,306
51,168	H9	47,224	47,249	43,964
57,518		53,523	53,574	50,264
63,919		59,413	59,464	55,748
70,269		65,776	65,840	62,111
76,619		72,126	72,190	68,461
82,969		78,476	78,540	74,811
89,319		84,826	84,890	81,161
95,669		91,176	91,240	87,511
102,019		97,526	97,590	93,861

UNC

Filettatura unificata passo grosso ASME B1.1 - Dimensione limite - Filettatura esterna

ErreBi
COMMERCIALE
UTENSILERIA MECCANICA

 Rosca exterior / Filettatura esterna / Rosca exterior
 Campo tollerancia / Campo tolleranza / Campo tolerância



Diámetro nominal de la rosca Diametro nominale della filettatura Diâmetro nominal da rosca	Diámetro exterior Diametro esterno Diâmetro exterior				Diámetro medio Diametro medio Diâmetro médio				Diámetro núcleo Diametro nocciolo Diâmetro do núcleo	
	d max..		d min.		d2 max..		d2 min.		d3 max.	
	mm		mm		mm		mm		mm	
d - N	2A	3A	2A	3A	2A	3A	2A	3A	2A	3A
No.1 - 64	1,839	1,854	1,742	1,758	1,582	1,598	1,532	1,560	1,351	1,367
No.2 - 56	2,169	2,184	2,065	2,080	1,875	1,890	1,821	1,849	1,613	1,628
No.3 - 48	2,497	2,515	2,383	2,400	2,154	2,172	2,096	2,129	1,847	1,864
No.4 - 40	2,824	2,845	2,695	2,715	2,413	2,433	2,350	2,385	2,045	2,065
No.5 - 40	3,155	3,175	3,025	3,045	2,743	2,764	2,677	2,715	2,375	2,395
No.6 - 32	3,485	3,505	3,332	3,353	2,969	2,990	2,898	2,936	2,512	2,532
No.8 - 32	4,143	4,166	3,990	4,013	3,627	3,650	3,553	3,594	3,170	3,193
No.10 - 24	4,801	4,826	4,618	4,643	4,112	4,138	4,028	4,074	3,503	3,528
No.12 - 24	5,461	5,486	5,278	5,304	4,773	4,798	4,686	4,732	4,163	4,188
1/4 - 20	6,322	6,350	6,116	6,144	5,497	5,524	5,403	5,453	4,765	4,793
5/16 - 18	7,907	7,938	7,686	7,717	6,990	7,021	6,888	6,944	6,175	6,205
3/8 - 16	9,492	9,525	9,253	9,286	8,461	8,494	8,349	8,410	7,544	7,577
7/16 - 14	11,077	11,112	10,815	10,851	9,898	9,934	9,779	9,845	8,852	8,887
1/2 - 13	12,662	12,700	12,385	12,423	11,392	11,430	11,265	11,336	10,264	10,302
9/16 - 12	14,247	14,288	13,957	13,998	12,873	12,913	12,741	12,814	11,651	11,692
5/8 - 11	15,834	15,875	15,527	15,568	14,336	14,376	14,196	14,272	13,002	13,043
3/4 - 10	19,004	19,050	18,677	18,722	17,353	17,399	17,203	17,287	15,888	15,933
7/8 - 9	22,177	22,225	21,824	21,872	20,343	20,391	20,183	20,272	18,715	18,763
1 - 8	25,349	25,400	24,968	25,019	23,287	23,338	23,114	23,208	21,453	21,504
1 1/8 - 7	28,519	28,575	28,103	28,158	26,162	26,218	25,979	26,081	24,066	24,122
1 1/4 - 7	31,694	31,750	31,278	31,333	29,337	29,393	29,149	29,253	27,242	27,297
1 3/8 - 6	34,864	34,925	34,402	34,463	32,113	32,174	31,910	32,022	29,670	29,731
1 1/2 - 6	38,039	38,100	37,577	37,638	35,288	35,349	35,082	35,194	32,845	32,906
1 3/4 - 5	44,381	44,450	43,861	43,929	41,082	41,151	40,856	40,980	38,148	38,217
2 - 4 1/2	50,726	50,800	50,168	50,241	47,061	47,135	46,820	46,954	43,802	43,876
2 1/4 - 4 1/2	57,076	57,150	56,518	56,591	53,411	53,485	53,165	53,299	50,152	50,226
2 1/2 - 4	63,421	63,500	62,817	62,895	59,296	59,375	59,032	59,177	55,631	55,710
2 3/4 - 4	69,769	69,850	69,164	69,245	65,644	65,725	65,377	65,524	61,979	62,060
3 - 4	76,119	76,200	75,514	75,595	71,994	72,075	71,722	71,872	68,329	68,410
3 1/4 - 4	82,466	82,550	81,862	81,945	78,341	78,425	78,064	78,217	74,676	74,760
3 1/2 - 4	88,816	88,900	88,212	88,295	84,691	84,775	84,412	84,564	81,026	81,110
3 3/4 - 4	95,164	95,250	94,559	94,645	91,039	91,125	90,754	90,912	87,373	87,460
4 - 4	101,514	101,600	100,909	100,995	97,389	97,475	97,102	97,259	93,723	93,810