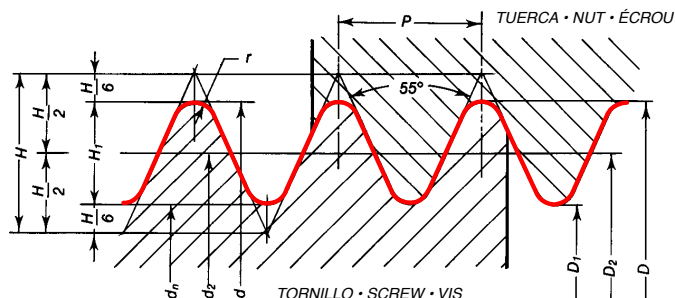


**THEORETICAL PROFILE**  
 PROFIL THÉORIQUE  
 PERFIL TEORICO

**BSW**

**WHITWORTH THREAD**  
 FILET WHITWORTH  
 ROSCA WHITWORTH

**DIN 11 (BS - 84)**



$$P_1 = \frac{25,4}{N}$$

$$r = 0,13733 P$$

$$H = 0,9605 P$$

$$H_1 = 0,64033 P$$

$$d_2 = d - H_1$$

$$d_1 = d - 2H_1$$

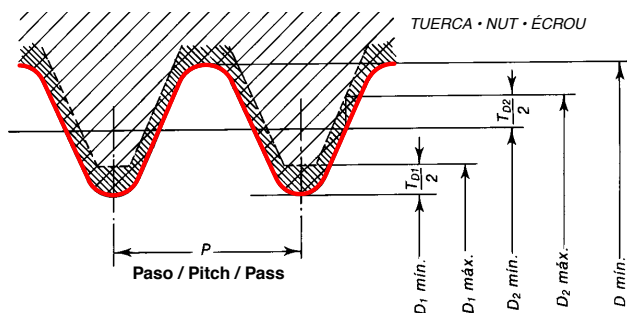
**PERFIL TEORICO · PROFIL THÉORIQUE · THEORETICAL PROFILE**

Rosca Thread Filet	Paso / Pitch / Pass		Ø Exterior Outside Ø / Ø Extérieur d = D	Ø Medio Pitch Ø / Ø Moyen d <sub>2</sub> = D <sub>2</sub>	Ø Núcleo Core Ø / Ø Noyau d <sub>n</sub> = D <sub>1</sub>
	Hilos / Thread / fils	mm			
1/16	60	0,423	1,587	1,317	1,045
3/32	48	0,529	2,381	2,042	1,703
1/8	40	0,635	3,175	2,768	2,362
5/32	32	0,793	3,969	3,461	2,952
3/16	24	1,058	4,762	4,084	3,407
7/32	24	1,058	5,556	4,878	4,201
1/4	20	1,270	6,350	5,537	4,724
5/16	18	1,411	7,938	7,034	6,131
3/8	16	1,588	9,525	8,509	7,492
7/16	14	1,814	11,113	9,951	8,789
1/2	12	2,117	12,700	11,345	9,990
9/16	12	2,117	14,288	12,933	11,578
5/8	11	2,309	15,876	14,397	12,918
11/16	11	2,309	17,463	15,984	14,506
3/4	10	2,540	19,051	17,424	15,798
7/8	9	2,822	22,226	20,419	18,611
1	8	3,175	25,401	23,368	21,335
1 1/8	7	3,629	28,576	26,253	23,929
1 1/4	7	3,629	31,751	29,428	27,104
1 3/8	6	4,233	34,926	32,215	29,505
1 1/2	6	4,233	38,101	35,391	32,680
1 5/8	5	5,080	41,277	38,024	34,771
1 3/4	5	5,080	44,452	41,199	37,946
1 7/8	4 1/2	5,645	47,627	44,012	40,398
2	4 1/2	5,645	50,802	47,187	43,573
2 1/4	4	6,350	57,152	53,086	49,020
2 1/2	4	6,350	63,502	59,436	55,370
2 3/4	3 1/2	7,257	69,853	65,205	60,558
3	3 1/2	7,257	76,203	71,556	66,909
3 1/4	3 1/4	7,815	82,553	77,548	72,544
3 1/2	3 1/4	7,815	88,903	83,899	78,894
3 3/4	3	8,466	95,254	89,832	84,410
4	3	8,466	101,604	96,182	90,760
4 1/4	2 7/8	8,834	107,954	102,297	96,639
4 1/2	2 7/8	8,834	114,304	108,647	102,990
4 3/4	2 3/4	9,236	120,655	114,740	108,825
5	2 3/4	9,236	127,005	121,090	115,176
5 1/4	2 5/8	9,676	133,355	127,159	120,963
5 1/2	2 5/8	9,676	139,705	133,509	127,313
5 3/4	2 1/2	10,160	146,055	139,954	133,043
6	2 1/2	10,160	152,406	145,900	139,394

NUT  
ÉCROU  
TUERCA  
DIN (B.S 84 - 1956)

**BSW**

ROSCA WHITWORTH  
FILET WHITWORTH  
WHITWORTH THREAD



f = fina • fine • fin  
m = media • mean • moyen  
g = basta • rough • grossier

TUERCA • ÉCROU • NUT

Rosca Thread Filet	Paso Pitch Pass H/1"	Ø Exterior Outside Ø Ø Extérieur D min.	Ø Medio / Pitch Ø / Ø Moyen				Ø Núcleo / Core Ø / Ø Noyau			
			D <sub>2</sub> min. f.m.g.	f	D <sub>2</sub> máx. m	g	D <sub>1</sub> mm f	D <sub>1</sub> mm m.g.	D <sub>1</sub> máx. f	D <sub>1</sub> máx. m.g.
1/8	40	3,175	2,769		2,842			2,362		2,591
3/16	24	4,763	4,084		4,173			3,406		3,744
1/4	20	6,350	5,537	5,613	5,650	5,726	4,820	4,744	5,104	5,224
5/16	18	7,938	7,034	7,114	7,153	7,233	6,231	6,151	6,531	6,661
3/8	16	9,525	8,509	8,593	8,636	8,720	7,596	7,512	7,912	8,052
7/16	14	11,113	9,951	10,041	10,086	10,175	8,899	8,809	9,229	9,379
1/2	12	12,700	11,345	11,442	11,491	11,589	10,112	10,015	10,460	10,610
9/16	12	14,288	12,933		12,079			11,603		11,198
5/8	11	15,876	14,397	14,499	14,550	14,652	13,050	12,948	13,428	13,598
11/16	11	17,463	15,984		16,132			14,506		15,146
3/4	10	19,051	17,424	17,531	17,584	17,691	15,938	15,831	16,348	16,538
7/8	9	22,226	20,419	20,532	20,588	20,700	18,760	18,647	19,201	19,411
1	8	25,401	23,368	23,487	23,547	23,666	21,494	21,375	21,965	22,185
1 1/8	7	28,576	26,253	26,381	26,444	26,572	24,104	23,976	24,629	24,879
1 1/4	7	31,751	29,428	29,556	29,619	29,747	27,279	27,151	27,804	28,054
1 3/8	6	34,926	32,215	32,353	32,422	32,560	29,696	29,558	30,275	30,555
1 1/2	6	38,101	35,391	35,529	35,598	35,736	32,871	32,733	33,450	33,730
1 5/8	5	41,277	38,024	38,175	38,251	38,402	34,985	34,834	35,611	35,921
1 3/4	5	44,452	41,199	41,350	41,426	41,577	38,160	38,009	38,786	39,096
1 7/8	4 1/2	47,627	44,012	44,171	44,251	44,410	40,627	40,468	41,308	41,648
2	4 1/2	50,802	47,187	47,346	47,426	47,585	43,802	43,643	44,483	44,823
2 1/4	4	57,152	53,086	53,255	53,339	53,508	49,269	49,100	50,030	50,420
2 1/2	4	63,502	59,436	59,605	59,689	59,858	55,619	55,450	56,380	56,770
2 3/4	3 1/2	69,853	65,205	65,385	65,476	65,656	60,828	60,648	61,668	62,108
3	3 1/2	76,203	71,556	71,736	71,827	72,007	67,179	66,999	68,019	68,459
3 1/4	3 1/4	82,553	77,548	77,735	77,829	78,016	72,828	72,641	73,754	74,244
3 1/2	3 1/4	88,903	83,899	84,086	84,180	84,367	79,178	78,991	80,104	80,594
3 3/4	3	95,254	89,832	90,027	90,027	90,319	84,708	84,513	85,690	86,210
4	3	101,604	96,182	96,377	96,474	96,669	91,058	90,863	92,040	92,560
4 1/4	2 7/8	107,954	102,297	102,496	102,596	102,795	96,948	96,749	97,979	98,539
4 1/2	2 7/8	114,304	108,647	108,846	108,946	109,145	103,299	103,100	104,330	104,890
4 3/4	2 3/4	120,655	114,740	114,944	115,045	115,249	109,142	108,938	110,225	110,825
5	2 3/4	127,005	121,090	121,294	121,395	121,599	115,493	115,289	116,576	117,176
5 1/4	2 5/8	133,355	127,159	127,367	127,472	127,680	121,291	121,083	122,433	123,063
5 1/2	2 5/8	139,705	133,509	133,717	133,822	134,030	127,641	127,433	128,783	129,413
5 3/4	2 1/2	146,055	139,549	139,763	139,869	140,083	133,384	133,170	134,573	135,243
6	2 1/2	152,406	145,900	146,114	146,220	146,434	139,750	139,521	140,924	141,594