

Frente

Vuelta



HERRAMIENTAS CLEVELAND, S.A., de C.V.

SELECCIÓN DE BROCAS PARA ROSCADO

Númericos, Fraccionales y Porcentajes de Rosca

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FORMULA PARA OBTENER LA MEDIDA DE BROCA	Medida de Broca =	Diám. Exterior de Rosca	—	0.01299 x % Rosca	No. de Hilos por Pulg.	Nota: Seleccione la broca comercial más próxima
PORCENTAJE DE ROSCA PARA OTRAS MEDIDAS DE BROCA	% de Rosca =	No. de Hilos por Pulgada	X	Diám. Exterior de Rosca	—	Diám. de Broca Seleccionada
				0.01299		

MACHUELO	HILOS x PULG.	DIAM. BROCA	EQUIV. DECIMAL	TEO-RICO ROSCA	MACHUELO	HILOS x PULG.	DIAM. BROCA	EQUIV. DECIMAL	TEO-RICO ROSCA	MACHUELO	HILOS x PULG.	DIAM. BROCA	EQUIV. DECIMAL	TEO-RICO ROSCA
0	80	56	0.0465	83	1/4	28	7/32	0.2188	67	7/8	12	51/64	0.7969	72
1	64	54	0.0550	89	1/4	32	7/32	0.2188	77	7/8	14	51/64	0.7969	84
1	72	53	0.0595	67	5/16	18	F	0.2570	77	7/8	16	13/16	0.8125	77
2	56	51	0.0670	82	5/16	20	G	0.2610	71	7/8	20	53/64	0.8281	72
2	64	50	0.0700	69	5/16	24	I	0.2720	75	15/16	12	55/64	0.8594	72
2	48	49	0.0730	56	3/8	16	J	0.2770	66	1	8	7/8	0.8750	77
3	48	47	0.0781	77	3/8	20	K	0.2813	77	1	12	57/64	0.8906	67
3	56	46	0.0810	78	3/8	24	L	0.3125	77	1	14	59/64	0.9219	72
4	40	44	0.0960	56	3/8	32	M	0.3230	64	1	16	15/16	0.9375	77
4	48	43	0.0935	68	7/16	14	N	0.3281	72	1-1/8	7	63/64	0.9844	76
5	40	39	0.0995	79	7/16	20	O	0.3680	75	1-1/8	12	1-1/32	1.0313	87
5	44	38	0.1015	72	7/16	24	P	0.3750	67	1-1/8	16	1-1/16	1.0625	87
6	32	36	0.1065	78	1/2	13	Q	0.4040	72	1-1/4	7	1-3/32	1.0938	84
6	40	35	0.1100	69	1/2	20	R	0.4219	78	1-1/4	12	1-7/64	1.1094	76
6	48	34	0.1130	77	1/2	24	S	0.4375	63	1-1/4	16	1-5/32	1.1563	87
8	32	29	0.1360	69	9/16	18	T	0.4531	87	1-1/4	18	1-3/16	1.1875	87
8	36	28	0.1405	58	9/16	24	U	0.4688	87	1-3/8	6	1-3/16	1.1875	87
10	24	25	0.1495	75	5/8	11	V	0.4844	72	1-3/8	12	1-13/64	1.2031	79
10	32	24	0.1520	70	5/8	12	W	0.5156	65	1-3/8	16	1-7/32	1.2188	72
12	24	23	0.1540	67	5/8	18	X	0.5313	79	1-3/8	18	1-15/64	1.2344	65
12	28	22	0.1570	81	5/8	24	Y	0.5469	66	1-3/8	24	1-5/16	1.3125	87
12	32	21	0.1590	76	5/8	32	Z	0.5625	87	1-1/2	6	1-5/16	1.3125	87
12	40	20	0.1610	71	11/16	12	AA	0.5781	65	1-1/2	12	1-21/64	1.3281	79
12	48	19	0.1630	68	11/16	16	AB	0.5781	65	1-1/2	16	1-11/32	1.3438	72
14	20	18	0.1850	67	3/4	10	AC	0.6094	87	1-1/2	18	1-23/64	1.3594	65
14	24	17	0.2010	75	3/4	12	AD	0.6406	87	1-1/2	24	1-13/32	1.4062	87
14	28	16	0.2031	72	3/4	16	AE	0.6406	87	1-1/2	32	1-27/64	1.4219	72
14	32	15	0.2055	69	3/4	20	AF	0.6719	72	1-1/2	40	1-7/16	1.4375	77
14	36	14	0.2090	76	3/4	24	AG	0.6875	77	1-1/2	48	1-7/16	1.4375	77
14	40	13	0.2100	75	3/4	32	AH	0.7031	72	1-3/4	16	1-11/16	1.6875	77
14	44	12	0.2031	72	3/4	40	AI	0.7344	72	1-3/4	24	1-5/8	1.9375	77
14	48	11	0.2055	69	3/4	48	AJ	0.7500	77	1-3/4	32	1-5/8	1.9375	77
14	52	10	0.2090	76	3/4	56	AK	0.7656	76	1-3/4	40	1-5/8	1.9375	77
14	56	9	0.2100	75	3/4	64	AL	0.7813	65	1-3/4	48	1-5/8	1.9375	77
14	60	8	0.2090	76	3/4	72	AM	0.7813	65	1-3/4	56	1-5/8	1.9375	77
14	64	7	0.2090	76	3/4	80	AN	0.7813	65	1-3/4	64	1-5/8	1.9375	77



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FORMULA DE ROSCA MÉTRICA	Medida de Broca =	Diám. Exterior de Rosca	—	% Rosca x Paso en mm	76.980
	% de Rosca =	Paso en mm	X	Diám. Exterior de Rosca	—
				Medida de Broca Seleccionada	

MACHUELO	DIAM. BROCA	EQUIV. DECIMAL	TEO-RICO ROSCA	MACHUELO	DIAM. BROCA	EQUIV. DECIMAL	TEO-RICO ROSCA	MACHUELO	DIAM. BROCA	EQUIV. DECIMAL	TEO-RICO ROSCA
M1.6x.35	1.25mm	.0492	77	M8 X 1	7mm	.2756	77	M22 X 1.5	20.5mm	.8071	77
1	1.3mm	.0512	66	J	.2770	74	77	13/16	.8125	70	77
1	# 55	.0520	61	M10 X 1.5	8.5mm	.3346	77	M24 X 3	21mm	.8268	77
M1.8x.35	1.45mm	.0571	77	R	.3390	71	77	27/32	.8438	66	77
1	1.5mm	.0591	66	M10 X 1.25	8.75mm	.3445	77	M24 X 2	7/8	.8750	68
M2x.4	1.6mm	.0630	77	S	.3480	71	77	M27 X 3	24mm	.9449	77
1	# 53	.0659	64	M12 X 1.75	13/32	.4062	74	61/64	.9531	72	77
M2.2x.45	1.75mm	.0689	77	Z	.4219	79	77	M27 X 2	25mm	.9843	77
1	# 50	.0700	72	M14 X 2	27/64	.4331	62	63/64	.9844	77	77
M2.5x.45	2.05mm	.0700	77	# 45	.0820	71	77	M30 X 3.5	26.5mm	1.0433	77
1	# 45	.0820	71	M14 X 2	12mm	.4844	65	1-1/16	1.0625	66	77
M3x.5	2.5mm	.0984	77	# 39	.0995	73	77	M30 X 2	28mm	1.1024	77
1	# 39	.0995	73	M14 X 1.5	31/64	.4921	77	1-7/64	1.1094	70	77
M3.5x.6	2.9mm	.1142	77	1/2	.5512	77	77	M33 X 3.5	29.5mm	1.1614	77
1	# 32	.1160	71	M16 X 2	14mm	.5625	66	1-11/64	1.1719	71	77
M4X.7	3.3mm	.1299	77	9/16	.5709	77	77	M33 X 2	31mm	1.2205	77
1	3.4mm	.1339	66	M16 X 1.5	14.5mm	.5781	68	1-15/64	1.2344	63	77
M4.5X.75	3.75mm	.1476	77	# 29	.1360	60	77	M36 X 4	32mm	1.2598	77
1	# 25	.1495	72	M18 X 2.5	37/64	.6102	77	1-17/64	1.2656	74	77
M5X.8	4.2mm	.1654	77	5/8	.6496	77	77	M36 X 3	33mm	1.2992	77
1	# 18	.1695	67	M18 X 1.5	15.5mm	.6250	65	1-19/64	1.2869	78	77
M6X 1	5mm	.1969	77	5/8	.6562	68	77	33mm	1.2992	77	77
1	# 8	.1990	73	M20 X 2.5	16.5mm	.6890	77	1-5/16	1.3125	68	77
M7X 1	6mm	.2362	77	17/32	.7031	68	77	1-3/8	1.3750	78	77
1	B	.2380	74	M20 X 1.5	17.5mm	.7283	77	35mm	1.3760	77	77
M8X 1.25	6.75mm	.2657	77	45/64	.7344	69	77	1-25/64	1.3906	71	77
1	6.8mm	.2677	74	M22 X 2.5	18.5mm	.7677	77	36mm	1.4173	77	77
				47.64	.7812	66	77	1-27/64	1.4219	74	77
				19.5mm	.7812	66	77				
				25/32							

SELECCIÓN DE BROCAS PARA ROSCADO DE TUBERIA

MACHUELO	* NPT		* NPTF		RECTA	
	MEDIDA	EQUIV. DECIMAL	MEDIDA	EQUIV. DECIMAL	MEDIDA	EQUIV. DECIMAL
1/16	D	.2460	D	.2460	1/4	.2500
1/8	Q	.3320	R	.3390	11/32	.3438
1/4	7/16	.4375	7/16	.4375	7/16	.4375
3/8	9/16	.5625	37/64	.5781	31/64	.5781
1/2	45/64	.7031	45/64	.7031	23/32	.7188
3/4	29/32	.9062	59/64	.9219	59/64	.9219
1	1-9/64	1.1406	1-5/32	1.1562	1-5/32	1.1562
1-1/4	1-31/64	1.4844	1-1/2	1.5000	1-1/2	1.5000
1-1/2	1-47/64	1.7344	1-47/64	1.7344	1-3/4	1.7500
2	2-13/64	2.2031	2-7/32	2.2188	2-7/32	2.2188
2-1/2	2-5/8	2.6250	2-41/64	2.6406	2-21/32	2.6562
3			3-17/64	3.2656		

* Para Roscado sin Rimar