



2020 MANTENIMIENTO



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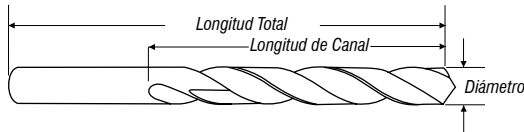
▶ LISTA: 2927 BROCA JOBBER



Aplicaciones



Características



Diámetro		Longitud de Canal		Longitud Total		Código
Fracional	Milimétrica	pulg	mm	pulg	mm	
1/64		0.188	4.76	0.750	19.05	292697
		0.236	6.00	0.866	22.00	290050
		0.276	7.00	0.945	24.00	290055
		0.276	7.00	0.945	24.00	290060
		0.315	8.00	1.024	26.00	290065
		0.354	9.00	1.102	28.00	290070
		0.354	9.00	1.102	28.00	290075
1/32		0.500	12.70	1.375	34.93	292698
		0.394	10.00	1.181	30.00	290080
		0.394	10.00	1.181	30.00	290085
		0.438	11.00	1.260	32.00	290090
		0.438	11.00	1.260	32.00	290095
		0.472	12.00	1.339	34.00	290100
		0.472	12.00	1.339	34.00	290105
		0.551	14.00	1.417	36.00	290110
3/64		0.551	14.00	1.417	36.00	290115
		0.750	19.05	1.750	44.45	292699
		0.630	16.00	1.496	38.00	290120
		0.630	16.00	1.496	38.00	290125
		0.630	16.00	1.496	38.00	290130
		0.709	18.00	1.575	40.00	290135
		0.709	18.00	1.575	40.00	290140
		0.709	18.00	1.575	40.00	290145
		0.709	18.00	1.575	40.00	290150
		0.787	20.00	1.693	43.00	290155
1/16		0.875	22.23	1.875	47.63	292700
		0.787	20.00	1.693	43.00	290160
		0.787	20.00	1.693	43.00	290165
		0.787	20.00	1.693	43.00	290170
		0.866	22.00	1.811	46.00	290175
		0.866	22.00	1.811	46.00	290180
		0.866	22.00	1.811	46.00	290185
		0.866	22.00	1.811	46.00	290190
5/64		0.945	24.00	1.929	49.00	290195
		1.000	25.40	2.000	50.80	292701
		0.945	24.00	1.929	49.00	290200
		0.945	24.00	1.929	49.00	290205
		0.945	24.00	1.929	49.00	290210
		1.063	27.00	2.087	53.00	290215
		1.063	27.00	2.087	53.00	290220
		1.063	27.00	2.087	53.00	290225
3/32		1.063	27.00	2.087	53.00	290230
		1.063	27.00	2.087	53.00	290235
		1.250	31.75	2.250	57.15	292702

Diámetro		Longitud de Canal		Longitud Total		Código
Fraccional	Milimétrica	pulg	mm	pulg	mm	
	2.40	1.181	30.00	2.244	57.00	290240
	2.45	1.181	30.00	2.244	57.00	290245
	2.50	1.181	30.00	2.244	57.00	290250
	2.55	1.181	30.00	2.244	57.00	290255
	2.60	1.181	30.00	2.244	57.00	290260
	2.65	1.299	33.00	2.402	61.00	290265
	2.70	1.299	33.00	2.402	61.00	290270
	2.75	1.299	33.00	2.402	61.00	290275
7/64		1.500	38.10	2.625	66.68	292703
	2.80	1.299	33.00	2.402	61.00	290280
	2.85	1.299	33.00	2.402	61.00	290285
	2.90	1.299	33.00	2.402	61.00	290290
	2.95	1.299	33.00	2.402	61.00	290295
	3.00	1.299	33.00	2.402	61.00	290300
	3.10	1.417	36.00	2.559	65.00	290310
1/8		1.625	41.28	2.750	69.85	292704
	3.20	1.417	36.00	2.559	65.00	290320
	3.25	1.417	36.00	2.559	65.00	290325
	3.30	1.496	38.00	2.559	65.00	290330
	3.40	1.535	39.00	2.756	70.00	290340
	3.50	1.535	39.00	2.756	70.00	290350
9/64		1.750	44.45	2.875	73.03	292705
	3.60	1.535	39.00	2.756	70.00	290360
	3.70	1.535	39.00	2.756	70.00	290370
	3.75	1.535	39.00	2.756	70.00	290375
	3.80	1.693	43.00	2.953	75.00	290380
	3.90	1.693	43.00	2.953	75.00	290390
5/32		2.000	50.80	3.125	79.38	292706
	4.00	1.693	43.00	2.953	75.00	290400
	4.10	1.693	43.00	2.953	75.00	290410
	4.20	1.693	43.00	2.953	75.00	290420
	4.25	1.693	43.00	2.953	75.00	290425
	4.30	1.850	47.00	3.150	80.00	290430
11/64		2.125	53.98	3.250	82.55	292707
	4.40	1.850	47.00	3.150	80.00	290440
	4.50	1.850	47.00	3.150	80.00	290450
	4.60	1.850	47.00	3.150	80.00	290460
	4.70	1.850	47.00	3.150	80.00	290470
	4.75	1.850	47.00	3.150	80.00	290475
3/16		2.312	58.74	3.500	88.90	292708
	4.80	2.047	52.00	3.386	86.00	290480
	4.90	2.047	52.00	3.386	86.00	290490
	5.00	2.047	52.00	3.386	86.00	290500
	5.10	2.047	52.00	3.386	86.00	290510
13/64		2.437	61.91	3.625	92.08	292709
	5.20	2.047	52.00	3.386	86.00	290520
	5.25	2.047	52.00	3.386	86.00	290525
	5.30	2.047	52.00	3.386	86.00	290530
	5.40	2.244	57.00	3.661	93.00	290540
	5.50	2.244	57.00	3.661	93.00	290550
7/32		2.500	63.50	3.750	95.25	292710
	5.60	2.244	57.00	3.661	93.00	290560
	5.70	2.244	57.00	3.661	93.00	290570
	5.75	2.244	57.00	3.661	93.00	290575
	5.80	2.244	57.00	3.661	93.00	290580
	5.90	2.244	57.00	3.661	93.00	290590
15/64		2.625	66.68	3.875	98.43	292711
	6.00	2.244	57.00	3.661	93.00	290600
	6.10	2.480	63.00	3.976	101.00	290610
	6.20	2.480	63.00	3.976	101.00	290620
	6.30	2.480	63.00	3.976	101.00	290630
1/4		2.750	69.85	4.000	101.60	292712
	6.40	2.480	63.00	3.976	101.00	290640

Fraccional	Diámetro		Longitud de Canal		Longitud Total		Código
	Milimétrica		pulg	mm	pulg	mm	
	6.50		2.480	63.00	3.976	101.00	290650
	6.60		2.480	63.00	3.976	101.00	290660
	6.70		2.480	63.00	3.976	101.00	290670
17/64			2.875	73.03	4.125	104.78	292713
	6.75		2.717	69.00	4.291	109.00	290675
	6.80		2.717	69.00	4.291	109.00	290680
	6.90		2.717	69.00	4.291	109.00	290690
	7.00		2.717	69.00	4.291	109.00	290700
	7.10		2.717	69.00	4.291	109.00	290710
9/32			2.937	74.61	4.250	107.95	292714
	7.20		2.717	69.00	4.291	109.00	290720
	7.25		2.717	69.00	4.291	109.00	290725
	7.30		2.717	69.00	4.291	109.00	290730
	7.40		2.717	69.00	4.291	109.00	290740
	7.50		2.717	69.00	4.291	109.00	290750
19/64			3.062	77.79	4.375	111.13	292715
	7.60		2.953	75.00	4.606	117.00	290760
	7.70		2.953	75.00	4.606	117.00	290770
	7.80		2.953	75.00	4.606	117.00	290780
	7.90		2.953	75.00	4.606	117.00	290790
5/16			3.187	80.96	4.500	114.30	292716
	8.00		2.953	75.00	4.606	117.00	290800
	8.10		2.953	75.00	4.606	117.00	290810
	8.20		2.953	75.00	4.606	117.00	290820
	8.25		2.953	75.00	4.606	117.00	290825
	8.30		2.953	75.00	4.606	117.00	290830
21/64			3.312	84.14	4.625	117.48	292717
	8.40		2.953	75.00	4.606	117.00	290840
	8.50		2.953	75.00	4.606	117.00	290850
	8.60		3.189	81.00	4.921	125.00	290860
	8.70		3.189	81.00	4.921	125.00	290870
11/32			3.437	87.31	4.750	120.65	292718
	8.80		3.189	81.00	4.921	125.00	290880
	8.90		3.189	81.00	4.921	125.00	290890
	9.00		3.189	81.00	4.921	125.00	290900
	9.10		3.189	81.00	4.921	125.00	290910
23/64			3.500	88.90	4.875	123.83	292719
	9.20		3.189	81.00	4.921	125.00	290920
	9.30		3.189	81.00	4.921	125.00	290930
	9.40		3.189	81.00	4.921	125.00	290940
	9.50		3.189	81.00	4.921	125.00	290950
3/8			3.625	92.08	5.000	127.00	292720
	9.60		3.425	87.00	5.236	133.00	290960
	9.70		3.425	87.00	5.236	133.00	290970
	9.75		3.425	87.00	5.236	133.00	290975
	9.80		3.425	87.00	5.236	133.00	290980
	9.90		3.425	87.00	5.236	133.00	290990
25/64			3.750	95.25	5.125	130.18	292721
	10.00		3.425	87.00	5.236	133.00	291000
	10.10		3.425	87.00	5.236	133.00	291010
	10.20		3.425	87.00	5.236	133.00	291020
	10.30		3.425	87.00	5.236	133.00	291030
13/32			3.875	98.43	5.250	133.35	292722
	10.40		3.425	87.00	5.236	133.00	291040
	10.50		3.425	87.00	5.236	133.00	291050
	10.60		3.700	94.00	5.591	142.00	291060
	10.70		3.700	94.00	5.591	142.00	291070
27/64			3.937	100.01	5.375	136.53	292723
	10.80		3.700	94.00	5.591	142.00	291080
	10.90		3.700	94.00	5.591	142.00	291090
	11.00		3.700	94.00	5.591	142.00	291100
	11.10		3.700	94.00	5.591	142.00	291110
7/16			4.062	103.19	5.500	139.70	292724

Diámetro		Longitud de Canal		Longitud Total		Código
Fracional	Milimétrica	pulg	mm	pulg	mm	
	11.20	3.700	94.00	5.591	142.00	291120
	11.30	3.700	94.00	5.591	142.00	291130
	11.40	3.700	94.00	5.591	142.00	291140
	11.50	3.700	94.00	5.591	142.00	291150
29/64		4.187	106.36	5.625	142.88	292725
	11.60	3.700	94.00	5.591	142.00	291160
	11.70	3.700	94.00	5.591	142.00	291170
	11.80	3.976	101.00	5.945	151.00	291180
15/32		4.312	109.54	5.750	146.05	292726
	11.90	3.976	101.00	5.945	151.00	291190
	12.00	3.976	101.00	5.945	151.00	291200
	12.10	3.976	101.00	5.945	151.00	291210
	12.20	3.976	101.00	5.945	151.00	291220
	12.30	3.976	101.00	5.945	151.00	291230
31/64		4.375	111.13	5.875	149.23	292727
	12.40	3.976	101.00	5.945	151.00	291240
	12.50	3.976	101.00	5.945	151.00	291250
	12.60	3.976	101.00	5.945	151.00	291260
1/2		4.500	114.30	6.000	152.40	292728
	12.70	3.976	101.00	5.945	151.00	291270
	12.80	3.976	101.00	5.945	151.00	291280
	12.90	3.976	101.00	5.945	151.00	291290
	13.00	3.976	101.00	5.945	151.00	291300
	13.20	3.976	101.00	5.945	151.00	291320
	13.50	4.251	108.00	6.299	160.00	291350
	13.80	4.251	108.00	6.299	160.00	291380
	14.00	4.251	108.00	6.299	160.00	291400
	14.20	4.488	114.00	6.654	169.00	291420
	14.50	4.488	114.00	6.654	169.00	291450
	14.80	4.488	114.00	6.654	169.00	291480
	15.00	4.488	114.00	6.654	169.00	291500
	15.50	4.724	120.00	7.008	178.00	291550
	16.00	4.724	120.00	7.008	178.00	291600
	16.20	4.921	125.00	7.244	184.00	291620
	16.50	4.921	125.00	7.244	184.00	291650
	17.00	4.921	125.00	7.244	184.00	291700
	17.50	5.118	130.00	7.520	191.00	291750
	18.00	5.118	130.00	7.520	191.00	291800
	18.50	5.315	135.00	7.795	198.00	291850
	19.00	5.315	135.00	7.795	198.00	291900
	19.50	5.512	140.00	8.070	205.00	291950
	20.00	5.512	140.00	8.070	205.00	292000

► EXHIBIDOR DE BROCAS MRO

Descripción	Código
EXHIBIDOR SOLO 465 BROCAS	EEXHIB/ BR J292700A

*Nota: 20 Brocas de cada uno de los códigos del 292700 al 292709
10 Brocas de cada uno de los códigos del 292710 al 292712
20 Brocas de cada uno de los códigos del 292713 al 292715
15 Brocas de cada uno de los códigos del 292716 al 292719
10 Brocas de cada uno de los códigos del 292720 al 292721
15 Brocas de cada uno de los códigos del 292722 al 292724
10 Brocas de cada uno de los códigos del 292725 al 292728*



► JUEGO DE BROCAS JOBBER

Descripción	Núm. de Piezas	Código
1/16"-1/2" x 1/64"	29	292729
1 a 13 mm x 0.5	25	290000
1/16"-1/4" x 1/64"	13	292730

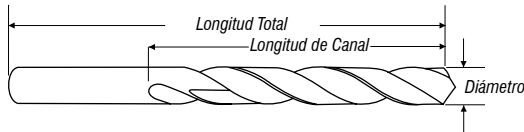
▶ LISTA: 7000 BROCA JOBBER DE COBALTO



Aplicaciones



Características



Fraccional	Diámetro		Longitud de Canal		Longitud Total		Código
	Milimétrica		pulg	mm	pulg	mm	
	1.00		.472	12.00	1.339	34.03	710100
	1.50		.709	18.00	1.575	40.05	710150
1/16			0.875	22.23	1.875	36.00	C68344
5/64			1.000	25.40	2.000	50.80	C68345
	2.00		.945	24.00	1.929	49.00	710200
3/32			1.250	31.75	2.250	50.80	C68346
	2.50		1.181	30.00	2.244	57.00	710250
7/64			1.500	38.10	2.625	66.68	C68347
	3.00		1.299	33.00	2.402	66.01	710300
1/8			1.625	41.28	2.750	69.85	C68351
	3.50		1.535	39.00	2.756	70.00	710350
9/64			1.750	44.45	2.875	73.00	C68352
5/32			2.000	50.80	3.125	79.38	C68353
	4.00		1.693	43.00	2.953	75.00	710400
11/64			2.125	53.98	3.250	82.55	C68354
	4.50		1.850	47.00	3.150	80.01	710450
3/16			2.312	58.75	3.500	88.90	C68355
	5.00		2.047	52.00	3.386	86.00	710500
13/64			2.437	61.93	3.625	92.08	C68356
	5.50		2.244	57.00	3.661	93.00	710550
7/32			2.500	63.50	3.750	95.25	C68357
15/64			2.625	66.68	3.875	98.43	C68358
	6.00		2.244	57.00	3.661	93.00	710600
1/4			2.750	69.85	4.000	101.60	C68359
	6.50		2.480	63.00	3.976	101.00	710650
17/64			2.875	73.03	4.125	104.78	C68360
	7.00		2.717	69.00	4.291	109.00	710700
9/32			2.937	74.63	4.250	107.95	C68361
	7.50		2.717	69.00	4.291	109.00	710750
19/64			3.062	77.80	4.375	111.13	C68362
5/16			3.187	80.98	4.500	114.30	C68363
	8.00		2.953	75.00	4.606	117.00	710800
21/64			3.312	84.15	4.625	117.48	C68364
	8.50		2.953	75.00	4.606	117.00	710850
11/32			3.437	87.33	4.750	120.65	C68365
	9.00		3.189	81.00	4.921	125.00	710900
23/64			3.500	88.90	4.875	123.83	C68366
	9.50		3.189	81.00	4.921	125.00	710950
3/8			3.625	92.08	5.000	127.00	C68367
25/64			3.750	95.25	5.125	130.18	C68368
	10.00		3.425	87.00	5.236	133.00	711000
13/32			3.875	98.43	5.250	133.35	C68369
	10.50		3.425	87.00	5.236	133.00	711050
27/64			3.937	100.00	5.375	137.00	C68370

Diámetro		Longitud de Canal		Longitud Total		Código
Fraccional	Milimétrica	pulg	mm	pulg	mm	
	11.00	3.701	94.00	5.591	142.00	711100
7/16		4.062	103.20	5.500	140.00	C68371
	11.50	3.701	94.00	5.591	142.00	711150
29/64		4.187	106.36	5.625	143.00	C68372
15/32		4.312	109.54	5.750	147.00	C68373
	12.00	3.976	101.00	5.945	151.00	711200
31/64		4.375	111.13	5.875	149.00	C68374
	12.50	3.976	101.00	5.945	151.00	711250
1/2		4.500	114.30	6.000	152.00	C68375
	13.00	3.976	101.00	5.945	151.00	711300
	13.50	4.252	108.00	6.299	160.00	711350
	14.00	4.252	108.00	6.299	160.00	711400
	14.50	4.488	114.00	6.654	169.00	711450
	15.00	4.488	114.00	6.654	169.00	711500
	15.50	4.724	120.00	7.008	178.00	711550
	16.00	4.724	120.00	7.008	178.00	711600
	16.50	4.724	120.00	7.244	184.00	711650
	17.00	4.724	120.00	7.244	184.00	711700
	17.50	5.118	130.00	7.520	191.00	711750
	18.00	5.118	130.00	7.520	191.00	711800
	18.50	5.314	135.00	7.795	198.00	711850
	19.00	5.314	135.00	7.795	198.00	711900
	19.50	5.511	140.00	8.070	205.00	711950
	20.00	5.511	140.00	8.070	205.00	712000

► LISTA: 1607 BROCA BLACK & GOLD

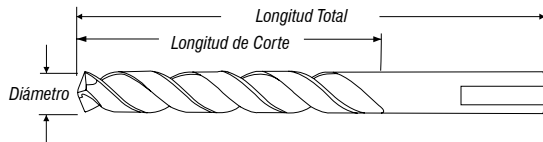
**NUEVOS
PRODUCTOS**



Aplicaciones



Características



Diámetro	Equivalencia Decimal	Longitud de Canal	Longitud Total	Código
		pulg	pulg	
*1/16	.0625	7/8	1-7/8	C69339
*5/64	.0781	1	2	C69340
*3/32	.0938	1-1/4	2-1/4	C69341
*7/64	.1094	1-1/2	2-5/8	C69342
*1/8	.1250	1-5/8	2-3/4	C69343
*9/64	.1406	1-3/4	2-7/8	C69344
*5/32	.1562	2	3-1/8	C69345
*11/64	.1719	2-1/8	3-1/4	C69346
3/16	.1875	2-5/16	3-1/2	C69347
13/64	.2031	2-7/16	3-5/8	C69348
7/32	.2188	2-1/2	3-3/4	C69349
15/64	.2344	2-5/8	3-7/8	C69350
1/4	.2500	2-3/4	4	C69351
17/64	.2656	2-7/8	4-1/8	C69352
9/32	.2812	2-15/16	4-1/4	C69353
19/64	.2969	3-1/16	4-3/8	C69354
5/16	.3125	3-3/16	4-1/2	C69355
21/64	.3281	3-5/16	4-5/8	C69356
11/32	.3438	3-7/16	4-3/4	C69357
23/64	.3594	3-1/2	4-7/8	C69358
3/8	.3750	3-5/8	5	C69359
25/64	.3906	3-3/4	5-1/8	C69360
13/32	.4062	3-7/8	5-1/4	C69361
27/64	.4219	3-15/16	5-3/8	C69362
7/16	.4375	4-1/16	5-1/2	C69363
29/64	.4531	4-3/16	5-5/8	C69364
15/32	.4688	4-5/16	5-3/4	C69365
31/64	.4844	4-3/8	5-7/8	C69366
1/2	.5000	4-1/2	6	C69367

*Sin planos en el zanco.

► JUEGO DE BROCAS

Fraccional	Núm. de Piezas	Código
1/16"-1/2" x 1/64"	Juego de 29 Piezas	C69385



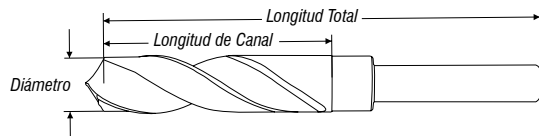
► LISTA: 1803 BROCA ZANCO REDUCIDO A 1/2"



Aplicaciones



Características



Diámetro Fraccional	Longitud de Canal		Longitud Total		Código
	pulg	mm	pulg	mm	
1/2	3-1/8	79.38	6	152.40	C20732
33/64	3-1/8	79.38	6	152.40	C20733
17/32	3-1/8	79.38	6	152.40	C20734
35/64	3-1/8	79.38	6	152.40	C20735
9/16	3-1/8	79.38	6	152.40	C20736
37/64	3-1/8	79.38	6	152.40	C20737
19/32	3-1/8	79.38	6	152.40	C20738
39/64	3-1/8	79.38	6	152.40	C20739
5/8	3-1/8	79.38	6	152.40	C20740
41/64	3-1/8	79.38	6	152.40	C20741
21/32	3-1/8	79.38	6	152.40	C20742
43/64	3-1/8	79.38	6	152.40	C20743
11/16	3-1/8	79.38	6	152.40	C20744
45/64	3-1/8	79.38	6	152.40	C20745
23/32	3-1/8	79.38	6	152.40	C20746
47/64	3-1/8	79.38	6	152.40	C20747
3/4	3-1/8	79.38	6	152.40	C20748
49/64	3-1/8	79.38	6	152.40	C20749
25/32	3-1/8	79.38	6	152.40	C20750
13/16	3-1/8	79.38	6	152.40	C20751
27/32	3-1/8	79.38	6	152.40	C20752
7/8	3-1/8	79.38	6	152.40	C20753
29/32	3-1/8	79.38	6	152.40	C20754
15/16	3-1/8	79.38	6	152.40	C20755
31/32	3-1/8	79.38	6	152.40	C20756
1	3-1/8	79.38	6	152.40	C20757
1-1/16	3-1/8	79.38	6	152.40	C20758
1-1/8	3-1/8	79.38	6	152.40	C20759
1-3/16	3-1/8	79.38	6	152.40	C20760
1-1/4	3-1/8	79.38	6	152.40	C20761
1-5/16	3-1/8	79.38	6	152.40	C20762
1-3/8	3-1/8	79.38	6	152.40	C20763
1-7/16	3-1/8	79.38	6	152.40	C20764
1-1/2	3-1/8	79.38	6	152.40	C20765

► LISTA: 1682 BROCA ZANCO CÓNICO

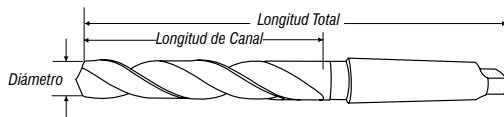
**NUEVOS
PRODUCTOS**



Aplicaciones



Características



Diámetro Fraccional	Equivalencia Decimal	Longitud de Canal pulgs	Longitud Total pulgs	Cono Morse	Código
5/16	.3125	6-3/8	3-1/8	1	C68779
21/64	.3281	6-1/2	3-1/4	1	C68780
11/32	.3438	6-1/2	3-1/4	1	C68781
23/64	.3594	6-3/4	3-1/2	1	C68782
3/8	.3750	6-3/4	3-1/2	1	C68794
25/64	.3906	7	3-5/8	1	C68795
13/32	.4062	7	3-5/8	1	C68796
27/64	.4219	7-1/4	3-7/8	1	C68797
7/16	.4375	7-1/4	3-7/8	1	C68798
29/64	.4531	7-1/2	4-1/8	1	C68799
15/32	.4688	7-1/2	4-1/8	1	C68800
31/64	.4844	8-1/4	4-3/8	2	C68801
1/2	.5000	8-1/4	4-3/8	2	C68802
33/64	.5156	8-1/2	4-5/8	2	C68803
17/32	.5312	8-1/2	4-5/8	2	C68804
35/64	.5469	8-3/4	4-7/8	2	C68805
9/16	.5625	8-3/4	4-7/8	2	C68806
37/64	.5781	8-3/4	4-7/8	2	C68807
19/32	.5938	8-3/4	4-7/8	2	C68808
39/64	.6094	8-3/4	4-7/8	2	C68809
5/8	.6250	8-3/4	4-7/8	2	C68810
41/64	.6406	9	5-1/8	2	C68811
21/32	.6562	9	5-1/8	2	C68812
43/64	.6719	9-1/4	5-3/8	2	C68813
11/16	.6875	9-1/4	5-3/8	2	C68814
45/64	.7031	9-1/2	5-5/8	2	C68815
23/32	.7188	9-1/2	5-5/8	2	C68816
47/64	.7344	9-3/4	5-7/8	2	C68817
3/4	.7500	9-3/4	5-7/8	2	C68818
49/64	.7656	9-7/8	6	2	C68819
25/32	.7812	9-7/8	6	2	C68820
51/64	.7969	10-3/4	6-1/8	3	C68821
13/16	.8125	10-3/4	6-1/8	3	C68822
53/64	.8281	10-3/4	6-1/8	3	C68823
27/32	.8438	10-3/4	6-1/8	3	C68824
55/64	.8594	10-3/4	6-1/8	3	C68825
7/8	.8750	10-3/4	6-1/8	3	C68826
57/64	.8906	10-3/4	6-1/8	3	C68827
29/32	.9062	10-3/4	6-1/8	3	C68828
59/64	.9219	10-3/4	6-1/8	3	C68829
15/16	.9375	10-3/4	6-1/8	3	C68830
61/64	.9531	11	6-3/8	3	C68831
31/32	.9688	11	6-3/8	3	C68832
63/64	.9844	11	6-3/8	3	C68833

Diámetro Fraccional	Equivalencia Decimal	Longitud de Canal	Longitud Total	Cono Morse	Código
		pulg	pulg		
1	1.0000	11	6-3/8	3	C68834
1-1/64	1.0156	11-1/8	6-1/2	3	C68835
1-1/32	1.0312	11-1/8	6-1/2	3	C68836
1-3/64	1.0469	11-1/4	6-5/8	3	C68837
1-1/16	1.0625	11-1/4	6-5/8	3	C68838
1-5/64	1.0781	12-1/2	6-7/8	4	C68839
1-3/32	1.0938	12-1/2	6-7/8	4	C68840
1-7/64	1.1094	12-3/4	7-1/8	4	C68841
1-1/8	1.1250	12-3/4	7-1/8	4	C68842
1-9/64	1.1406	12-7/8	7-1/4	4	C68843
1-5/32	1.1562	12-7/8	7-1/4	4	C68844
1-11/64	1.1719	13	7-3/8	4	C68845
1-3/16	1.1875	13	7-3/8	4	C68846
1-13/64	1.2031	13-1/8	7-1/2	4	C68847
1-7/32	1.2188	13-1/8	7-1/2	4	C68848
1-15/64	1.2344	13-1/2	7-7/8	4	C68849
1-1/4	1.2500	13-1/2	7-7/8	4	C68850
1-17/64	1.2656	14-1/8	8-1/2	4	C68851
1-9/32	1.2812	14-1/8	8-1/2	4	C68852
1-19/64	1.2969	14-1/4	8-5/8	4	C68853
1-5/16	1.3125	14-1/4	8-5/8	4	C68854
1-21/64	1.3281	14-3/8	8-3/4	4	C68855
1-11/32	1.3438	14-3/8	8-3/4	4	C68856
1-23/64	1.3594	14-1/2	8-7/8	4	C68857
1-3/8	1.3750	14-1/2	8-7/8	4	C68858
1-25/64	1.3906	14-5/8	9	4	C68859
1-13/32	1.4062	14-5/8	9	4	C68860
1-27/64	1.4219	14-3/4	9-1/8	4	C68861
1-7/16	1.4375	14-3/4	9-1/8	4	C68862
1-29/64	1.4531	14-7/8	9-1/4	4	C68863
1-15/32	1.4688	14-7/8	9-1/4	4	C68864
1-31/64	1.4844	15	9-3/8	4	C68865
1-1/2	1.5000	15	9-3/8	4	C68866
1-17/32	1.5312	15	9-3/8	4	C68762
1-9/16	1.5625	16-5/8	9-5/8	5	C68784
1-19/32	1.5938	16-7/8	9-7/8	5	C68785
1-5/8	1.6250	17	10	5	C68786
1-21/32	1.6562	17-1/8	10-1/8	5	C68787
1-11/16	1.6875	17-1/8	10-1/8	5	C68788
1-23/32	1.7188	17-1/8	10-1/8	5	C68764
1-3/4	1.7500	17-1/8	10-3/8	5	C68789
1-13/16	1.8125	17-1/8	10-1/8	5	C68790
1-7/8	1.8750	17-3/8	10-3/8	5	C68791
1-15/16	1.9375	17-3/8	10-3/8	5	C68792
2	2.0000	17-3/8	10-3/8	5	C68793

 Ver página 192 para Información Técnica.

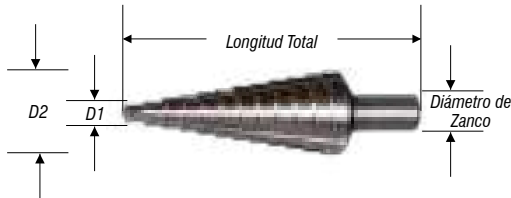
► LISTA: 1874 Y 1874TN BROCA ESCALONADA



Aplicaciones



Características



Descripción	Diámetro		Diámetro del Zanco	Longitud Total	Brillante	TiN
	D1	D2				
3/16"-1/2" x 1/16	3/16	1/2	1/4	3-1/8	C20285	C20295
3/16"-7/8" x 1/16	3/16	7/8	3/8	3-1/4	C20288	C20298
1/8"-1/2" x 1/32	1/8	1/2	1/4	3-1/8	C20286	C20296
1/4"-3/4" x 1/16	1/4	3/4	3/8	2-3/4	C20287	C20297
7/8" x 1-3/8	7/8	1-3/8	3/8	3-1/4	C20290	-
7/8" x 1-1/8	7/8	1-1/8	3/8	3-7/64	C20293	-

Descripción	Diámetro		Diámetro del Zanco	Longitud Total	Brillante	TiN
	D1	D2				
4.0 - 12.0 x 1.0	4.0	12.0	6	65	C20305	C20315
4.0 - 20.0 x 2.0	4.0	20.0	6	67	C20306	-
4.0 - 30.0 x 2.0	6.0	30.0	6	98	C20307	-

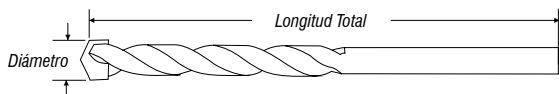
▶ LISTA: 8900 BROCA PARA CONCRETO



Aplicaciones



Características



Diámetro Fraccional	Longitud Total		Código
	pulg	mm	
1/8	3	76.20	890304
5/32	3	76.20	890305
3/16	4	101.60	890406
3/16	6	152.40	890606
1/4	4	101.60	890408
1/4	6	152.40	890608
5/16	4	101.60	890410
5/16	6	152.40	890610
3/8	4	101.60	890412
3/8	6	152.40	890612
7/16	6	152.40	890614
1/2	6	152.40	890616
5/8	6	152.40	890620
3/4	6	152.40	890624
7/8	6	152.40	890628
1	6	152.40	890632
1/4	12	304.80	891308
5/16	12	304.80	891310
3/8	12	304.80	891312
1/2	12	304.80	891316
5/8	12	304.80	891320
3/4	12	304.80	891324
7/8	12	304.80	891328
1	12	304.80	891332
1-1/8	12	304.80	891336
1-1/4	12	304.80	891340
1-3/8	12	304.80	891344
1-1/2	12	304.80	891348
1/4	18	457.20	891808
3/8	18	457.20	891812
1/2	18	457.20	891816
5/16	18	457.20	891810
1/4	24	609.60	892408
3/8	24	609.60	892412
1/2	24	609.60	892416
5/16	24	609.60	892410
5/8	24	609.60	892420
1/4	31.5	800.10	893108
3/8	31.5	800.10	893112
1/2	31.5	800.10	893116
5/16	31.5	800.10	893110

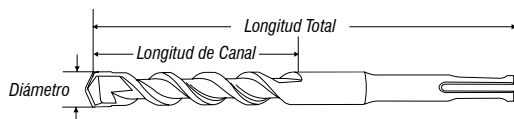
▶ LISTA: 8700 BROCA PARA CONCRETO SDS-PLUS



Aplicaciones



Características



Diámetro Fraccional	Longitud Total		Código
	pulg	mm	
1/4	4	101.60	870408
1/4	6	152.40	870608
1/4	8	203.20	870808
1/4	12	304.80	871208
1/4	18	457.20	871808
9/32	4	101.60	870409
9/32	6	152.40	870609
5/16	4	101.60	870410
5/16	6	52.40	870610
5/16	8	203.20	870810
5/16	12	304.80	871210
3/8	6	152.40	870612
3/8	8	203.20	870812
3/8	12	304.80	871212
3/8	18	457.20	871812
3/8	24	609.60	872412
7/16	6	152.40	870614
7/16	12	304.80	871214
1/2	6	152.40	870616
1/2	8	203.20	870816
1/2	12	304.80	871216
1/2	18	457.20	871816
1/2	24	609.60	872416
9/16	6	152.40	870618
9/16	12	304.80	871218
9/16	18	457.20	871818
5/8	6	152.40	870620
5/8	8	203.20	870820
5/8	12	304.80	871220
5/8	18	457.20	871820
5/8	24	609.60	872420
11/16	6	152.40	870622
11/16	8	203.20	870822
3/4	6	152.40	870624
3/4	8	203.20	870824
3/4	12	304.80	871224
3/4	16	406.40	871624
3/4	18	457.20	871824
27/32	6	152.40	870627
7/8	10	254.00	871028
7/8	12	304.80	871228
7/8	18	457.20	871828
1	12	304.80	871232
1	18	457.20	871832

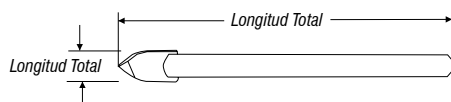
▶ LISTA: 8800 BROCA PARA VIDRIO Y AZULEJO



Aplicaciones



Características



Fraccional	Diámetro		Longitud Total pulg	Código
	Decimal	Milimétrica		
1/8	.1250	3.18	2-1/2	882504
3/16	.1875	4.76	2-1/2	882506
1/4	.2500	6.35	2-1/2	882508
5/16	.3125	7.94	2-3/4	882810
3/8	.3750	9.53	3-1/8	883112
1/2	.5000	12.70	3-1/8	883116

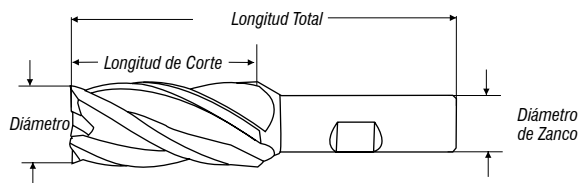
▶ LISTA: 600 CORTADORES VERTICALES HSS



Aplicaciones



Características



Diámetro		Diámetro de Zanco		Longitud de Corte		Longitud Total		Canales	Código
Fracional	Milimétrica	pulg	mm	pulg	mm	pulg	mm		
	3	0.375	9.53	0.375	9.53	2.313	58.74	4	610312
1/8		0.375	9.53	0.375	9.53	2.313	58.74	4	600412
5/32		0.375	9.53	0.500	12.70	2.375	60.33	4	600512
	4	0.375	9.53	0.500	12.70	2.375	60.33	4	610412
3/16		0.375	9.53	0.500	12.70	2.375	60.33	4	600612
	5	0.375	9.53	0.625	15.88	2.438	61.91	4	610512
7/32		0.375	9.53	0.625	15.88	2.438	61.91	4	600712
	6	0.375	9.53	0.625	15.88	2.438	61.91	4	610612
1/4		0.375	9.53	0.625	15.88	2.438	61.91	4	600812
	7	0.375	9.53	0.750	19.05	2.500	63.50	4	610712
5/16		0.375	9.53	0.750	19.05	2.500	63.50	4	601012
	8	0.375	9.53	0.750	19.05	2.500	63.50	4	610812
	9	0.375	9.53	0.750	19.05	2.500	63.50	4	610912
3/8		0.375	9.53	0.750	19.05	2.500	63.50	4	601212
	10	0.375	9.53	1.000	25.40	2.688	68.26	4	611012
	11	0.375	9.53	1.000	25.40	2.688	68.26	4	611112
7/16		0.375	9.53	1.000	25.40	2.688	68.26	4	601412
	12	0.500	12.70	1.250	31.75	3.250	82.55	4	611216
1/2		0.375	9.53	1.000	25.40	2.688	68.26	4	601612
1/2		0.500	12.70	1.250	31.75	3.250	82.55	4	601616
	13	0.500	12.70	1.375	34.93	3.375	85.73	4	611316
	14	0.500	12.70	1.375	34.93	3.375	85.73	4	611416
9/16		0.500	12.70	1.375	34.93	3.375	85.73	4	601816
	15	0.500	12.70	1.375	34.93	3.375	85.73	4	611516
5/8		0.500	12.70	1.375	34.93	3.375	85.73	4	602016
5/8		0.625	15.88	1.625	41.28	3.750	95.25	4	602020
	16	0.591	15.00	1.625	41.28	3.750	95.25	4	611620
11/16		0.500	12.70	1.625	41.28	3.375	85.73	4	602216
11/16		0.625	15.88	1.625	41.28	3.750	95.25	4	602220
	18	0.625	15.88	1.625	41.28	3.750	95.25	4	611820
	19	0.750	19.05	1.625	41.28	3.875	98.43	4	611924
3/4		0.500	12.70	1.625	41.28	3.375	85.73	4	602416
3/4		0.625	15.88	1.625	41.28	3.750	95.25	4	602420
3/4		0.750	19.05	1.625	41.28	3.875	98.43	4	602424
	20	0.625	15.88	1.875	47.63	4.000	101.60	4	612020
13/16		0.625	15.88	1.875	47.63	4.000	101.60	4	602620
13/16		0.750	19.05	1.875	47.63	4.125	104.78	4	602624
7/8		0.500	12.70	1.625	41.28	3.625	92.08	4	602816
7/8		0.625	15.88	1.875	47.63	4.000	101.60	4	602820
7/8		0.750	19.05	1.875	47.63	4.125	104.78	4	602824
7/8		0.875	22.23	1.875	47.63	4.125	104.78	4	602828
	24	1.000	25.40	2.000	50.80	4.500	114.30	4	612432
1		0.500	12.70	1.875	47.63	4.125	104.78	4	603216
1		0.625	15.88	1.875	47.63	4.000	101.60	4	603220

Diámetro		Diámetro de Zanco		Longitud de Corte		Longitud Total		Canales	Código
Fracional	Milimétrica	pulg	mm	pulg	mm	pulg	mm		
1		0.750	19.05	1.875	47.63	4.125	104.78	4	603224
1		0.875	22.23	1.875	47.63	4.125	104.78	4	603228
1		1.000	25.40	2.000	50.80	4.500	114.30	4	603232
1-1/8		0.875	22.23	2.000	50.80	4.313	109.54	6	603628
1-1/8		1.000	25.40	2.000	50.80	4.500	114.30	6	603632
1-1/4		0.875	22.23	2.000	50.80	4.313	109.54	6	604028
1-1/4		1.000	25.40	2.000	50.80	4.500	114.30	6	604032
1-1/4		1.250	31.75	2.000	50.80	4.500	114.30	6	604040
1-3/8		1.000	25.40	2.000	50.80	4.500	114.30	6	604432
1-1/2		1.000	25.40	2.000	50.80	4.500	114.30	6	604832
1-1/2		1.250	31.75	2.000	50.80	4.500	114.30	6	604840
1-3/4		1.250	31.75	2.000	50.80	4.500	114.30	6	605640
2		1.250	31.75	2.000	50.80	4.500	114.30	8	606440

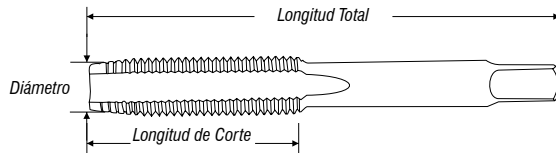
▶ LISTA: 1070 MACHUELOS DE ACERO AL CARBÓN



Aplicaciones



Características



Diámetro Fraccional	Hilos por Pulgada	Longitud de Corte pulgs	Longitud Total pulgs	Diámetro Zanco	Semicónico	Set
1/8	NS-40	5/8	1-15/16	9/64	10788	107883
1/8	NS-44	5/8	1-15/16	9/64	10791	107913
5/32	NS-32	3/4	2-1/8	11/64	10794	107943
5/32	NS-36	3/4	2-1/8	11/64	10796	107963
3/16	NS-24	7/8	2-3/8	3/16	10800	108003
3/16	NS-32	7/8	2-3/8	3/16	10803	108033
1/4	NC-20	1	2-1/2	1/4	10811	108113
1/4	NF-28	1	2-1/2	1/4	10814	108143
5/16	NC-18	1-1/8	2-23/32	5/16	10817	108173
5/16	NF-24	1-1/8	2-23/32	5/16	10820	108203
3/8	NC-16	1-1/4	2-15/16	5/16	10823	108233
3/8	NF-24	1-1/4	2-15/16	5/16	10826	108263
7/16	NC-14	1-7/16	3-5/32	3/8	10829	108293
7/16	NF-20	1-7/16	3-5/32	3/8	10832	108323
1/2	NC-13	1-21/32	3-3/8	23/64	10835	108353
1/2	NF-20	1-21/32	3-3/8	23/64	10838	108383
9/16	NC-12	1-21/32	3-19/32	27/64	10841	108413
9/16	NF-18	1-21/32	3-19/32	27/64	10844	108443
5/8	NC-11	1-13/16	3-13/16	7/16	10847	108473
5/8	NF-18	1-13/16	3-13/16	7/16	10850	108503
3/4	NC-10	2	4-1/4	19/32	10853	108533
3/4	NF-16	2	4-1/4	19/32	10856	108563
7/8	NC-9	2-7/32	4-11/16	11/16	10859	108593
7/8	NF-14	2-7/32	4-11/16	11/16	10862	108623
1	NC-8	2-1/2	5-1/8	13/16	10866	108663
1	NF-12	2-1/2	5-1/8	13/16	10870	108703
1	NS-14	2-1/2	5-1/8	13/16	10873	108733
1-1/8	NC-7	2-9/16	5-7/16	57/64	10876	108763
1-1/8	NF-12	2-9/16	5-7/16	57/64	10879	108793
1-1/4	NC-7	2-9/16	5-3/4	1-1/16	10882	108823
1-1/4	NF-12	2-9/16	5-3/4	1-1/16	10885	108853
1-3/8	NC-6	3	6-1/2	1-1/8	10888	108883
1-3/8	NF-12	3	6-1/2	1-1/8	10891	108913
1-1/2	NC-6	3	6-3/8	1-1/4	10894	108943
1-1/2	NF-12	3	6-3/8	1-1/4	10897	108973

Nota: Set de 3 piezas; un cónico, un semi cónico y un recto.

Diámetro Milimétrica	Paso por Pulgada	Longitud de Corte	Longitud Total	Diámetro Zanco	Semicónico	Set
		pulg	pulg			
M3	0.50	5/8	1-15/16	1/8	30007660	300076603
M4	0.70	3/4	2-1/8	1/64	30007692	300076923
M5	0.80	7/8	2-3/8	3/16	30007725	300077253
M5	0.90	7/8	2-3/8	3/16	30007726	-
M6	1.00	1	2-1/2	1/4	30007756	300077563
M7	1.00	1-1/8	2-23/32	9/32	30007776	300077763
M8	1.25	1-1/8	2-23/32	21/64	30007800	300078003
M9	1.25	1-1/4	2-15/16	23/64	30007814	300078143
M10	1.50	1-1/4	2-15/16	13/32	30007848	300078483
M10	0.75	1-1/4	2-15/16	13/32	30007822	300078223
M10	1.00	1-1/4	2-15/16	13/32	30007829	300078293
M10	1.25	1-1/4	2-15/16	13/32	30007840	300078403
M11	1.50	1-7/16	3-5/32	5/16	30007858	300078583
M12	1.00	1-21/32	3-3/8	3/8	30007868	300078683
M12	1.25	1-21/32	3-3/8	3/8	30007875	300078753
M12	1.50	1-21/32	3-3/8	3/8	30007878	300078783
M12	1.75	1-21/32	3-3/8	3/8	30007888	300078883
M14	1.25	1-1/4	3-1/32	27/64	30007915	300079153
M14	1.50	1-1/4	3-1/32	27/64	30007918	300079183
M14	2.00	1-1/4	3-1/32	27/64	30007928	300079283
M16	1.00	1-3/4	3	31/64	30007975	300079753
M16	2.00	1-3/4	3-13/16	31/64	30007978	300079783
M18	1.50	1-3/16	3	17/32	30008010	300080103
M18	2.50	1-3/16	3	17/32	30008038	300080383
M20	1.00	2	4-1/4	19/32	30008050	300080503
M20	2.50	2	4-1/4	19/32	30008078	300080783
M22	1.50	2-3/16	4-5/8	11/16	30008111	300081113
M22	2.50	2-3/16	4-5/8	11/16	30008118	300081183
M24	1.50	2-3/8	4-15/64	23/32	30008151	300081513
M24	3.00	2-1/4	4-3/4	47/64	30008158	300081583
M27	3.00	2-1/2	5-1/8	51/64	30008238	-
M30	1.50	2-9/16	5-7/16	57/64	30008261	300082613
M30	2.00	2-9/16	5-7/16	57/64	30008315	300083153
M30	3.50	2-9/16	5-7/16	57/64	30008318	300083183
M33	3.50	2-1/2	5-3/4	1-1/16	30008378	-
M36	4.00	3	6-1/8	1-1/8	30008428	-

Nota: Set de 3 piezas; un cónico, un semi cónico y un recto.

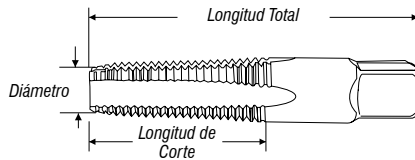
▶ LISTA: 1080 MACHUELOS DE ACERO AL CARBÓN NPT



Aplicaciones



Características



Diámetro Fraccional	Longitud de Corte pulgs	Longitud Total pulgs	Hilos por Pulgada	Diámetro Zanco	Código
1/8	3/4	2-1/8	27	7/16	10899
1/4	1-1/6	2-7/16	18	9/16	10900
3/8	1-1/16	2-9/16	18	23/32	10901
1/2	1-3/8	3-1/8	14	11/16	10902
3/4	1-3/8	3-1/4	14.0	29/32	10903
1	1-3/4	3-1/4	11.5	1-1/8	10904
1-1/4	1-5/8	4	11.5	1-5/16	10905
1-1/2	1-3/4	4-1/4	11.5	1-5/16	10906

▶ LISTA: 222 MANERAL PARA DADO DE ROSCADO



Número de Producto	Diámetro de Tarraja	Longitud Total	Código
2	13/16	7	C67223
3	1	10-1/2	C67224
5	1-1/2	14-1/2	C67226
6	2	23	C67227
7	2-1/2	29	C67228
8	3	40	C67229

▶ LISTA: 224 MANERAL PARA DADO DE ROSCADO



Número de Producto	Die O.D.	Longitud Total	Código
13	13/16	6-1/4	C67235
14	1	13	C67236
15	1-1/2	18	C67237
16	2	26	C67238

▶ LISTA: 240 MANERAL UNIVERSAL



Número de Producto	Rangos de Tamaños de Machuelos				Largo Total	Código
	Pernos Máq.	Fraccional	Métrico	NPT		
0	0 a 14	1/16 a 1/4	M1.5 a M6.3	-	5	C67201
1	0 a 14	3/16 a 3/8	M5 a M10	1/8 a 25/64	9	C67199
2	8 a 14	5/32 a 1/2	M4 a M12.5	1/8	11	C67202
3	8 a 14	1/4 a 3/4	M6 a M19	1/8 a 1/4	15	C67203
5	-	5/16 a 1-1/8	M7 a M27	1/8 a 3/4	19	C67204
8	-	3/4 a 1-5/8	M19 a M40	3/8 a 1-1/4	40	C67205

▶ LISTA: 243 MANERAL TIPO "T"



Número de Producto	Rangos de Tamaños de Machuelos			Largo Total	Código
	Pernos Máq.	Fraccional	Métrico		
T11	0 A 14	1/16 a 1/4	M1.5 a M6.3	2-3/4	C67208
T12	12 A 14	7/32 a 1/2	M5.5 a M12.5	3-5/8	C67209

▶ LISTA: 245 MANERAL TIPO "T" ZANCO LARGO



Número de Producto	Rangos de Tamaños de Machuelos			Largo Total	Código
	Pernos Máq.	Fraccional	Métrico		
T16	0 A 14	1/16 a 1/4	M1.5 a M6.3	8-3/4	C67212
T17	12 A 14	7/32 a 1/2	M5.5 a M12.5	10-5/8	C67213

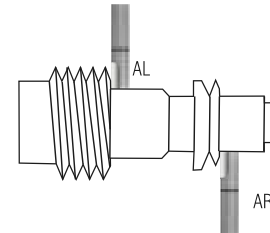
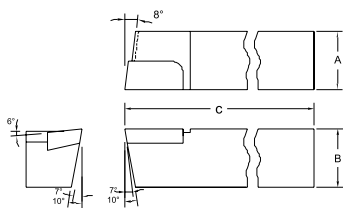
▶ LISTA: 1060 & 1020 BURIL CALZADO



Aplicaciones

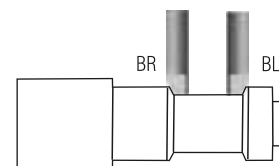
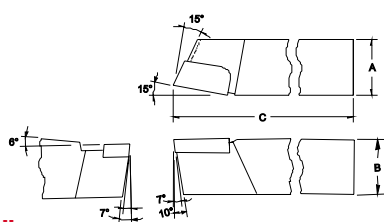


Características



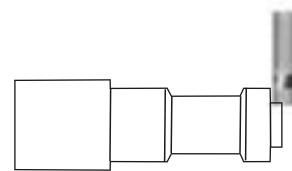
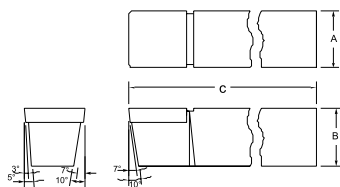
Tipo "A"

Modelo	A	B	C	Sentido de Corte		Grado C-6	Grado C-2
				Izquierda	Derecha		
AR-4	1/4	1/4	2		*	BT-10608	BT-10208
AR-5	5/16	5/16	2-1/4		*	BT-10610	BT-10210
AR-6	3/8	3/8	2-1/2		*	BT-10612	BT-10212
AR-7	7/16	7/16	3		*	BT-10614	BT-10214
AR-8	1/2	1/2	3-1/2		*	BT-10616	BT-10216
AR-10	5/8	5/8	4		*	BT-10620	BT-10220
AR-12	3/4	3/4	4-1/2		*	BT-10624	BT-10224
AR-16	1	1	7		*	BT-10632	BT-10232
AL-4	1/4	1/4	2	*		BT-11608	BT-11208
AL-5	5/16	5/16	2-1/4	*		BT-11610	BT-11210
AL-6	3/8	3/8	2-1/2	*		BT-11612	BT-11212
AL-7	7/16	7/16	3	*		BT-11614	BT-11214
AL-8	1/2	1/2	3-1/2	*		BT-11616	BT-11216
AL-10	5/8	5/8	4	*		BT-11620	BT-11220
AL-12	3/4	3/4	4-1/2	*		BT-11624	BT-11224
AL-16	1	1	7	*		BT-11632	BT-11232



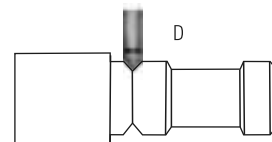
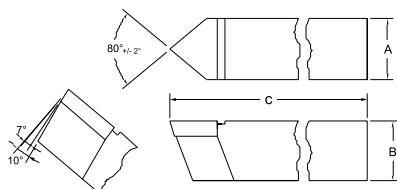
Tipo "B"

Modelo	A	B	C	Sentido de Corte		Grado C-6	Grado C-2
				Izquierda	Derecha		
BR-5	5/16	5/16	2-1/4		*	BT-17610	BT-17210
BR-6	3/8	3/8	2-1/2		*	BT-17612	BT-17212
BR-8	1/2	1/2	3-1/2		*	BT-17616	BT-17216
BR-10	5/8	5/8	4		*	BT-17620	BT-17220
BR-12	3/4	3/4	4-1/2		*	BT-17624	BT-17224
BL-5	5/16	5/16	2-1/4	*		BT-18610	BT-18210
BL-6	3/8	3/8	2-1/2	*		BT-18612	BT-18212
BL-8	1/2	1/2	3-1/2	*		BT-18616	BT-18216
BL-10	5/8	5/8	4	*		BT-18620	BT-18220
BL-12	3/4	3/4	4-1/2	*		BT-18624	BT-18224



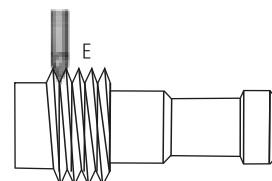
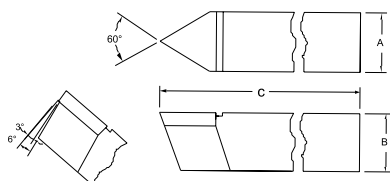
Tipo "C"

Modelo	A	B	C	Grado C-6	Grado C-2
C-4	1/4	1/4	2	BT-12608	BT-12208
C-5	5/16	5/16	2-1/4	BT-12610	BT-12210
C-6	3/8	3/8	2-1/2	BT-12612	BT-12212
C-7	7/16	7/16	3	BT-12614	BT-12214
C-8	1/2	1/2	3-1/2	BT-12616	BT-12216
C-10	5/8	5/8	4	BT-12620	BT-12220
C-12	3/4	3/4	4-1/2	BT-12624	BT-12224
C-16	1	1	7	BT-12632	BT-12232



Tipo "D"

Modelo	A	B	C	Grado C-6	Grado C-2
D-4	1/4	1/4	2	BT-13608	BT-13208
D-5	5/16	5/16	2-1/4	BT-13610	BT-13210
D-6	3/8	3/8	2-1/2	BT-13612	BT-13212
D-7	7/16	7/16	3	BT-13614	BT-13214
D-8	1/2	1/2	3-1/2	BT-13616	BT-13216
D-10	5/8	5/8	4	BT-13620	BT-13220
D-12	3/4	3/4	4-1/2	BT-13624	BT-13224
D-16	1	1	7	BT-13632	BT-13232



Tipo "E"

Modelo	A	B	C	Grado C-6	Grado C-2
E-4	1/4	1/4	2	BT-14608	BT-14208
E-5	5/16	5/16	2-1/4	BT-14610	BT-14210
E-6	3/8	3/8	2-1/2	BT-14612	BT-14212
E-7	7/16	7/16	3	BT-14614	BT-14214
E-8	1/2	1/2	3-1/2	BT-14616	BT-14216
E-10	5/8	5/8	4	BT-14620	BT-14220
E-12	3/4	3/4	4-1/2	BT-14624	BT-14224
E-16	1	1	7	BT-14632	BT-14232

▶ LISTA: E0200 SEGUETA BIMETÁLICA



Aplicaciones



Características



Descripción	Código
18 Dientes por Pulg.	CLE1218BM
24 Dientes por Pulg.	CLE1224BM

▶ LISTA: 1887 SIERRA COPA BIMETÁLICA



Aplicaciones



Características



Diámetro		Código
pulg	mm	
9/16	14	C25000
5/8	16	C26121
11/16	17	C25002
3/4	19	C26113
-	20	C25004
13/16	21	C26105
7/8	22	C25006
15/16	24	C25007
1	25	C26101
1-1/16	27	C25009
1-1/8	29	C26103
1-3/16	30	C25011
1-1/4	32	C25012
1-5/16	33	C25013
1-3/8	35	C25014
1-7/16	37	C25015
1-1/2	38	C25016
1-9/16	40	C25017
1-5/8	41	C25018
1-11/16	43	C26104
1-3/4	44	C26107
-	45	C25021
1-13/16	46	C25022
1-7/8	48	C25023
(50mm)	50	C25024
2	51	C25025
2-1/16	52	C25026
2-1/8	54	C25027
55mm	55	C25028
2-1/4	57	C25029
2-5/16	59	C25030
2-3/8	60	C25031
2-1/2	64	C25032
2-9/16	65	C25033
2-5/8	67	C26111
-	68	C25035
2-3/4	70	C25036
2-7/8	73	C25037
-	75	C25038
3	76	C25039
3-1/8	79	C25040
3-1/4	83	C26115
3-3/8	86	C25042
3-1/2	89	C25043

Diámetro		Código
pulg	mm	
3-5/8	92	C25044
3-3/4	95	C25045
3-7/8	98	C25046
-	100	C25047
4	102	C25048
4-1/8	105	C25049
4-1/4	108	C25050
4-3/8	111	C25051
4-1/2	114	C25052
4-3/4	121	C26119
5	127	C25054
5-1/2	140	C25055
5-3/4	146	C25056
6	152	C25057

▶ MANDRIL



C17965



C17967



C17970

Capacidad	Zanco	Código
9/16 - 1 3/16	1/4 Redondo	C17965
9/16 - 1 3/16	3/8 Hexagonal	C17967
1 1/4 - 6	3/8 Hexagonal QC	C17970

▶ LISTA: CHK JUEGO SIERRA COPA BIMETÁLICA



Juegos	Descripción	Código
Juego de 7 Pzas. Mantenimiento	Incluye un mandril y un adaptador 5 Sierras Copa: 7/8, 1", 1-1/8, 1-1/4, 1-1/2	CHK01
Juego de 9 Pzas. Cerrajero	Incluye dos mandriles y un adaptador 6 Sierras Copa: 7/8, 1", 1-1/4, 1-1/2, 1-3/4, 2-1/8	CHK02
Juego de 9 Pzas. Plomero	Incluye dos mandriles y un adaptador 6 Sierras Copa: 3/4, 7/8, 1-1/8, 1-1/2, 1-3/4, 2-1/4	CHK03
Juego de 9 Pzas. Electricista	Incluye dos mandriles y un adaptador 6 Sierras Copa: 7/8, 1-1/8, 1-3/8, 1-3/4, 2", 2-1/2	CHK04
Juego de 9 Pzas. Electricista mm	Incluye dos mandriles y un adaptador 6 Sierras Copa: 16mm, 20mm, 25mm, 32mm, 40mm, 51mm	CHK05
Juego de 13 Pzas. Mantenimiento en General	Incluye dos mandriles, una broca piloto y un adaptador 9 Sierras Copa: 3/4, 7/8, 1-1/8, 1-3/8, 1-1/2, 1-3/4, 2", 2-1/4, 2-1/2	CHK06

▶ LISTA: 1816 SIERRA CINTA BIMÉTALICA



Aplicaciones



Características



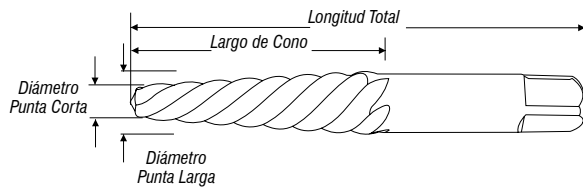
Ancho Pulgadas	Espesor Pulgadas	Ángulo de Diente	Descripción	Paso de Diente	Código
3/4	0.035	0°	SC BM Co 3/4 x 93"	6/10	C25149-93
3/4	0.035	0°	SC BM Co 3/4 x 93"	8/12	C25150-93
3/4	0.035	0°	SC BM Co 3/4 x 93"	10/14	C26136-93
3/4	0.035	5°	SC BM Co 3/4 x 93"	5/7	C25167-93
3/4	0.035	0°	SC BM Co 3/4 x 93"	14	C25153-93
3/4	0.035	5°	SC BM Co 3/4 x 93"	4/6	C25166-93
3/4	0.035	10°	SC BM Co 3/4 x 93"	4/6	C26146-93
1	0.035	0°	SC BM Co 1 x 93"	4/6	C26134-93
1	0.035	0°	SC BM Co 1 x 93"	3/4	C25154-93
1	0.035	0°	SC BM Co 1 x 93"	8/12	C25158-93
1	0.035	5°	SC BM Co 1 x 93"	3/4	C25169-93
1	0.035	5°	SC BM Co 1 x 93"	4/6	C25170-93
1	0.035	10°	SC BM Co 1 x 93"	3/4	C26140-93
1	0.035	10°	SC BM Co 1 x 93"	4/6	C25186-93
1-1/4	0.042	0°	SC BM Co 1-1/4 x 93"	4/6	C25162-93
1-1/4	0.042	5°	SC BM Co 1-1/4 x 93"	4/6	C25177-93
1-1/4	0.042	10°	SC BM Co 1-1/4 x 93"	4/6	C25189-93
1-1/2	0.050	0°	SC BM Co 1-1/2 x 93"	4/6	C26135-93
1-1/2	0.050	5°	SC BM Co 1-1/2 x 93"	4/6	C25182-93
1-1/2	0.050	10°	SC BM Co 1-1/2 x 93"	4/6	C25192-93
1/2	0.020	0°	SC BM Co 1/2 x 93"	10/14	C25133-93
1/2	0.020	0°	SC BM Co 1/2 x 93"	18	C25136-93
1/2	0.025	0°	SC BM Co 1/2 x 93"	10/14	C25141-93
1/2"	0.025	0°	SC BM Co 1/2 x 93"	18	C25143-93

Ver página 213 para Información Técnica.



Para una longitud específica contacte a su ejecutivo de cuenta.

▶ LISTA: 1829 EXTRACTORES DE TORNILLO



Número	Diámetro Menor	Diámetro Mayor	Largo de Cono		Longitud Total		Diámetro de Broca Recomendada	Código
			pulg	mm	pulg	mm	pulg	
1	.0625	5/32	3/4	19.05	2	50.80	5/64	C17170
2	.0860	3/16	3/4	19.05	2-3/8	60.32	7/64	C17171
3	.1250	1/4	1	25.40	2-3/4	69.86	5/32	C17172
4	.1875	5/16	1	25.40	3	76.20	1/4	C17173
5	.2500	7/16	1-1/2	38.10	3-3/8	85.73	9/32	C17174
6	.3750	19/32	1-3/4	44.45	3-3/4	95.25	13/32	C17176
7	.5000	25/32	2-1/4	57.15	4-1/8	104.77	17/32	C17178
8	.7500	1-1/32	2-1/4	57.15	4-3/8	111.13	13/16	C17180
9	1.0000	1-9/32	2-1/4	57.15	4-5/8	117.48	1-1/16	C17181
10	1.2500	1-9/16	2-1/2	63.50	5	127.00	1-5/16	C17182

▶ JUEGO DE EXTRACTORES DE TORNILLO

Número	Código
#1 AL #5	C21149
#1 AL #9	C21151



Utilice extractores de tornillos para quitar los tornillos y pernos rotos.

Los extractores de tornillo son especialmente utilizados en los departamentos de mantenimiento, talleres mecánicos y automotrices.

Para extraer un tornillo roto siga el procedimiento:
 -Taladre un agujero en la rotura del tornillo usando el diámetro de broca recomendada en la tabla anterior.
 -Inserte el extractor de tornillos adecuado en el agujero y girelo hacia la izquierda auxiliado con un maneral sobre el cuadro del extractor.

-El extractor se adhiere a la pared del agujero hecho en el tornillo roto y al girarlo, el tornillo sale sin dañar la rosca.

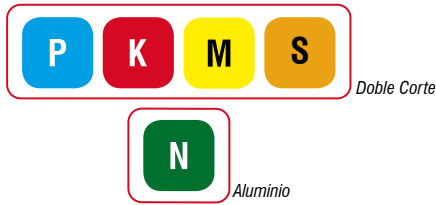
-En algunos casos es recomendable la ayuda de un lubricante para eliminar el óxido o corrosión entre la cuerda y el tornillo roto.



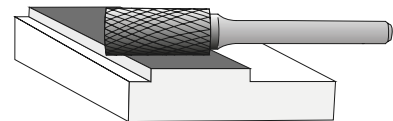
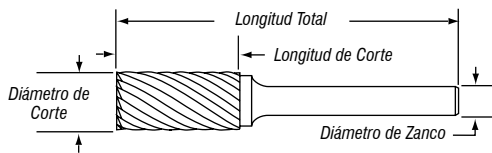
▶ LISTA: 1845 LIMA ROTATIVA SA CILÍNDRICA SIN CORTE FRONTAL



Aplicaciones

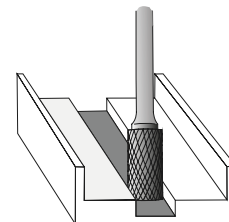
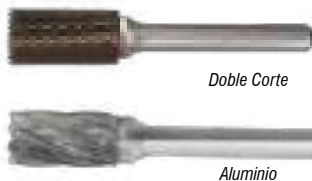
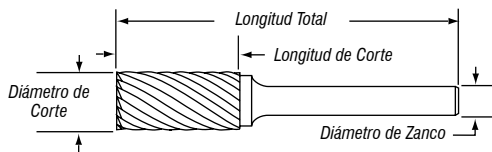


Características



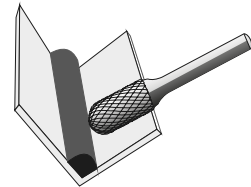
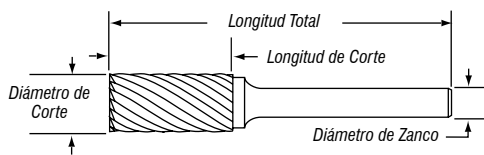
USCTI	Diámetro de Corte	Diámetro de Zanco	Longitud de Corte	Longitud Total	Doble Corte	Aluminio
SA-1	1/4	1/4	5/8	2-3/8	C17552	-
SA-3	3/8	1/4	3/4	2-1/2	C17554	C17210
SA-5	1/2	1/4	1	2-3/4	C17555	C17211
SA-51	1/4	1/4	5/8	2	C17605	-
SA-5L6	1/2	1/4	1	7	C17825	-
SA-2	5/16	1/4	3/4	2-1/2	C17553	-

▶ LISTA: 1846 LIMA ROTATIVA SB CILÍNDRICA CON CORTE FRONTAL



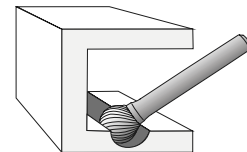
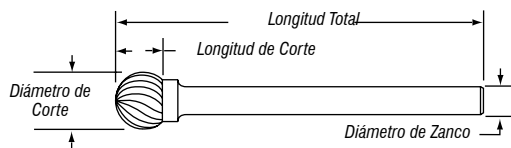
USCTI	Diámetro de Corte	Diámetro de Zanco	Longitud de Corte	Longitud Total	Doble Corte	Aluminio
SB-3	3/8	1/4	3/4	2-1/2	C17547	C17212
SB-5	1/2	1/4	1	2-3/4	-	C17213
SB-6	5/8	1/4	1	2-3/4	-	C17214

▶ LISTA: 1847 LIMA ROTATIVA SC CILÍNDRICA PUNTA DE BOLA



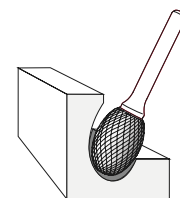
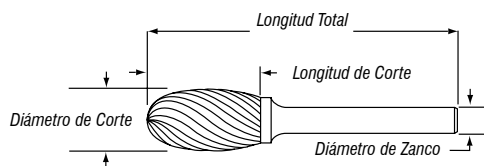
USCTI	Diámetro de Corte	Diámetro de Zanco	Longitud de Corte	Longitud Total	Doble Corte	Aluminio
SC-42	1/8	1/8	9/16	1-1/2	C17540	-
SC-1	1/4	1/4	5/8	2-3/8	C17541	-
SC-3	3/8	1/4	3/4	2-1/2	C17543	C17215
SC-5	1/2	1/4	1	2-3/4	C17544	C17216
SC-3L6	3/8	1/4	3/4	6-3/4	C17827	-
SC-11	1/8	1/4	1/2	2	C17539	-
SC-51	6.35	3	12.7	44.5	C17519	-

▶ LISTA: 1853 LIMA ROTATIVA SD ESFÉRICA



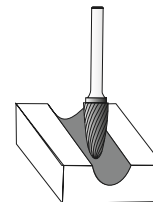
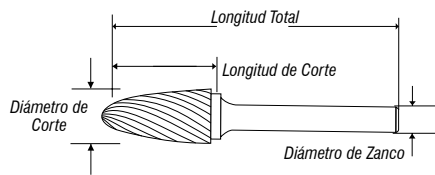
USCTI	Diámetro de Corte	Diámetro de Zanco	Longitud de Corte	Longitud Total	Doble Corte	Aluminio
SD-1	1/4	1/4	3/16	1-15/16	C17533	C17217
SD-3	3/8	1/4	5/16	2-1/16	C17535	C17218
SD-5	1/2	1/4	7/16	2-3/16	C17536	C17219
SD-5L6	1/2	1/4	7/16	6-7/16	C17831	-

▶ LISTA: 1851 LIMA ROTATIVA SE OVOIDE



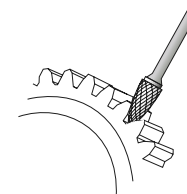
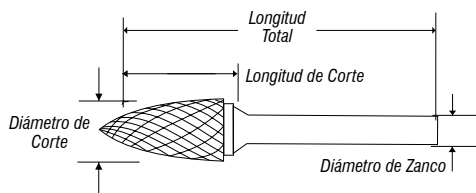
USCTI	Diámetro de Corte	Diámetro de Zanco	Longitud de Corte	Longitud Total	Doble Corte	Aluminio
SE-3	3/8	1/4	5/8	2-3/8	C17559	C17220
SE-51	1/4	1/8	3/8	1-5/8	C17357	-
SE-3L6	3/8	1/4	5/8	6-5/8	C17833	-

▶ LISTA: 1848 LIMA ROTATIVA SF FORMA DE ÁRBOL CON PUNTA DE BOLA



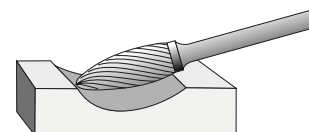
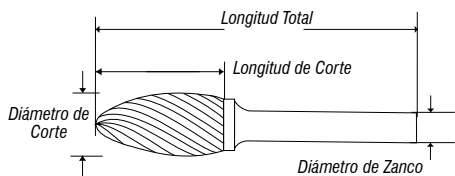
USCTI	Diámetro de Corte	Diámetro de Zanco	Longitud de Corte	Longitud Total	Doble Corte	Aluminio
SF-1	1/4	1/4	5/8	2-3/8	C17580	-
SF-3	3/8	1/4	3/4	2-1/2	C17581	C17221
SF-5	1/2	1/4	1	2-3/4	C17582	C17222
SF-5L6	1/2	1/4	1	7	C17837	-
SF-3L6	3/8	1/4	3/4	6-3/4	C17836	-
SF-51	6.35	3	12.7	44.5	C17597	-

▶ LISTA: 1849 LIMA ROTATIVA SG FORMA PUNTA DE ÁRBOL



USCTI	Diámetro de Corte	Diámetro de Zanco	Longitud de Corte	Longitud Total	Doble Corte	Aluminio
SG-1	1/4	1/4	5/8	2-3/8	C17575	C17223
SG-3	3/8	1/4	3/4	2-1/2	C17576	C17224
SG-5	1/2	1/4	1	2-3/4	C17578	C17225
SG-44	3	3	12.7	38.1	C17486	-

▶ LISTA: 1854 LIMA ROTATIVA SH FORMA DE FLAMA DOBLE CORTE



USCTI	Diámetro de Corte	Diámetro de Zanco	Longitud de Corte	Longitud Total	Código
SH-5	1/2	1/4	1-1/4	3	C17563
SH-1	1/4	1/4	1/2	2	C17300
SH-6	5/8	1/4	1-7/16	3-3/16	C17301