

08

Brocas para furar
Brocas para taladrar

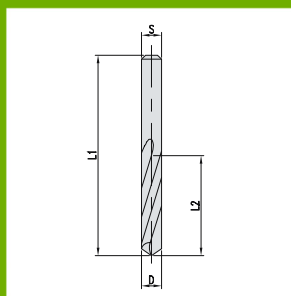
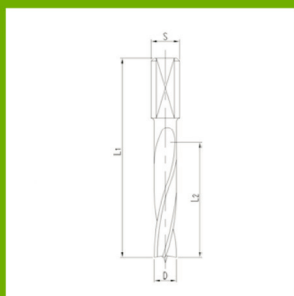
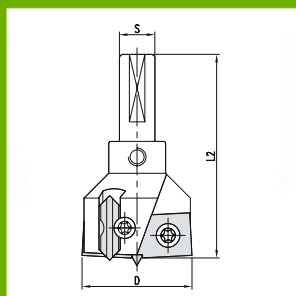


araújo&silva
ferramentas de corte

JÁ MEDIU A SUA PRODUTIVIDADE?



A Araujo&Silva, Lda. desenvolve ferramentas especiais, proporcionando aos seus clientes as soluções mais rentáveis.



araujo&silva
ferramentas de corte

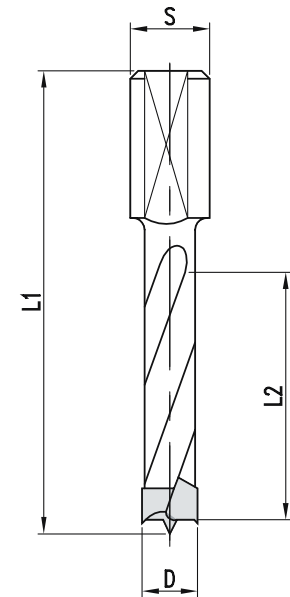
ESPECIALISTAS EM FERRAMENTA DE CORTE

www.araujosilva.pt



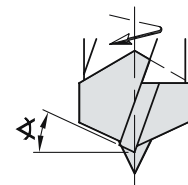
HW · MAN

D	L2	L1	S	Z	Ref. Esq	Ref. Drt
L1 = 57,5mm						
5	30	57,5	8x20	2	4003.005.530.08	4003.005.030.08
6	30	57,5	8x20	2	4003.006.530.08	4003.006.030.08
7	30	57,5	8x20	2	4003.007.530.08	4003.007.030.08
8	30	57,5	8x20	2	4003.008.530.08	4003.008.030.08
9	30	57,5	8x20	2	4003.009.530.08	4003.009.030.08
10	30	57,5	8x20	2	4003.010.530.08	4003.010.030.08
12	30	57,5	8x20	2	4003.012.530.08	4003.012.030.08
L1 = 70.0mm						
5	40	70	8x20	2	4003.005.540.08	4003.005.040.08
6	40	70	8x20	2	4003.006.540.08	4003.006.040.08
7	40	70	8x20	2	4003.007.540.08	4003.007.040.08
8	40	70	8x20	2	4003.008.540.08	4003.008.040.08
9	40	70	8x20	2	4003.009.540.08	4003.009.040.08
10	40	70	8x20	2	4003.010.540.08	4003.010.040.08
12	40	70	8x20	2	4003.012.540.08	4003.012.040.08

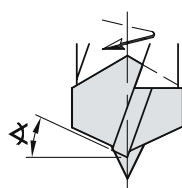
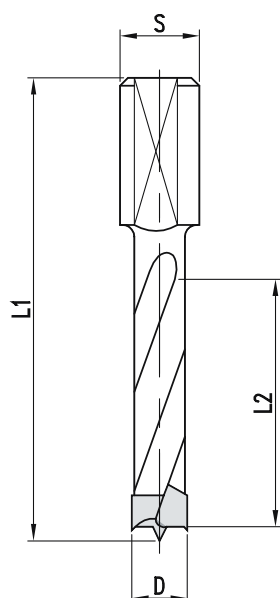


ACESSÓRIOS - Piezas de recambio

	Dim.	Ref.
Perno de afinação (DIN916)	M5x10	5106.005



VINCADOR COM ÂNGULO NEGATIVO PARA FUROS DE PRECISÃO E MAIOR DURABILIDADE DA FERRAMENTA.
Precortadores con ángulo negativo para agujeros de gran precisión y más duración de la broca.



VINGADOR COM ÂNGULO NEGATIVO PARA FUROS DE PRECISÃO E MAIOR DURABILIDADE DA FERRAMENTA.
Precortadores con ángulo negativo para agujeros de gran precisión y más duración de la broca.

HW · MAN

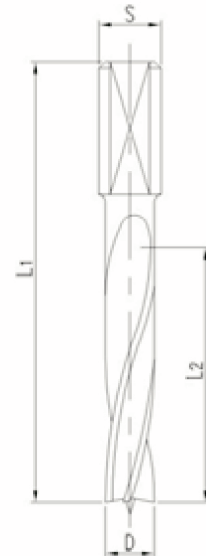
D	L2	L1	S	Z	Ref. Esq	Ref. Drt
L1 = 57,5mm						
4	30	57,5	10x20	2	4003.004.530.10	4003.004.030.10
5	30	57,5	10x20	2	4003.005.530.10	4003.005.030.10
6	30	57,5	10x20	2	4003.006.530.10	4003.006.030.10
7	30	57,5	10x20	2	4003.007.530.10	4003.007.030.10
8	30	57,5	10x20	2	4003.008.530.10	4003.008.030.10
9	30	57,5	10x20	2	4003.009.530.10	4003.009.030.10
10	30	57,5	10x20	2	4003.010.530.10	4003.010.030.10
11	30	57,5	10x20	2	4003.011.530.10	4003.011.030.10
12	30	57,5	10x20	2	4003.012.530.10	4003.012.030.10
13	30	57,5	10x20	2	4003.013.530.10	4003.013.030.10
14	30	57,5	10x20	2	4003.014.530.10	4003.014.030.10
15	30	57,5	10x20	2	4003.015.530.10	4003.015.030.10
16	30	57,5	10x20	2	4003.016.530.10	4003.016.030.10
L1 = 70mm						
4	43	70	10x20	2	4003.004.543.10	4003.004.043.10
5	43	70	10x20	2	4003.005.543.10	4003.005.043.10
6	43	70	10x20	2	4003.006.543.10	4003.006.043.10
7	43	70	10x20	2	4003.007.543.10	4003.007.043.10
8	43	70	10x20	2	4003.008.543.10	4003.008.043.10
9	43	70	10x20	2	4003.009.543.10	4003.009.043.10
10	43	70	10x20	2	4003.010.543.10	4003.010.043.10
11	43	70	10x20	2	4003.011.543.10	4003.011.043.10
12	43	70	10x20	2	4003.012.543.10	4003.012.043.10
14	43	70	10x20	2	4003.014.543.10	4003.014.043.10
15	43	70	10x20	2	4003.015.543.10	4003.015.043.10
16	43	70	10x20	2	4003.016.543.10	4003.016.043.10
L1 = 77mm						
5	50	77	10x20	2	4003.005.550.10	4003.005.050.10
6	50	77	10x20	2	4003.006.550.10	4003.006.050.10
7	50	77	10x20	2	4003.007.550.10	4003.007.050.10
8	50	77	10x20	2	4003.008.550.10	4003.008.050.10
10	50	77	10x20	2	4003.010.550.10	4003.010.050.10
12	50	77	10x20	2	4003.012.550.10	4003.012.050.10
L1 = 85mm						
5	50	85	10x27	2	4003.005.650.10	4003.005.150.10
6	50	85	10x27	2	4003.006.650.10	4003.006.150.10
8	50	85	10x27	2	4003.007.650.10	4003.007.150.10
10	50	85	10x27	2	4003.008.650.10	4003.008.150.10
12	50	85	10x27	2	4003.010.650.10	4003.010.150.10

ACESSÓRIOS - Peças de recambio

	Dim.	Ref.
Perno de afinação (DIN916)	M5x10	5106.005

HS · MAN

D	L2	L1	S	Z	Ref. Esq	Ref. Drt
L1 = 57,5mm						
5	30	57,5	10x20	2	4004.005.530.10	4004.005.030.10
6	30	57,5	10x20	2	4004.006.530.10	4004.006.030.10
7	30	57,5	10x20	2	4004.007.530.10	4004.007.030.10
8	30	57,5	10x20	2	4004.008.530.10	4004.008.030.10
9	30	57,5	10x20	2	4004.009.530.10	4004.009.030.10
10	30	57,5	10x20	2	4004.010.530.10	4004.010.030.10
12	30	57,5	10x20	2	4004.012.530.10	4004.012.030.10
L1 = 70mm						
5	43	70	10x20	2	4004.005.543.10	4004.005.043.10
6	43	70	10x20	2	4004.006.543.10	4004.006.043.10
7	43	70	10x20	2	4004.007.543.10	4004.007.043.10
8	43	70	10x20	2	4004.008.543.10	4004.008.043.10
9	43	70	10x20	2	4004.009.543.10	4004.009.043.10
10	43	70	10x20	2	4004.010.543.10	4004.010.043.10
12	43	70	10x20	2	4004.012.543.10	4004.012.043.10



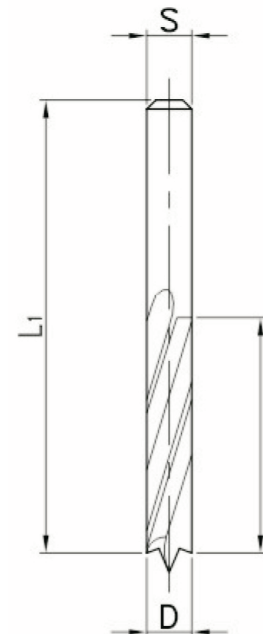
ACESSÓRIOS - Piezas de recambio

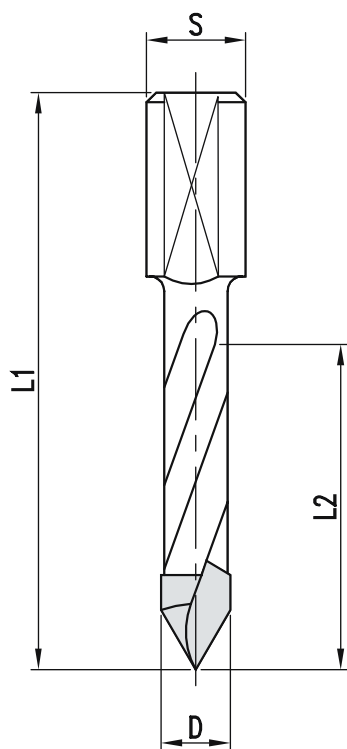
	Dim.	Ref.
Perno de afinação (DIN916)	M5x10	5106.005

Brocas para furo cego 4005 Brocas para agujero ciego

HS · MAN

D	L2	L1	S	Z	Ref. Esq	Ref. Drt
2	24	49	2	2	4005.002.524.02	4005.002.024.02
2,5	30	57	2,5	2	4005.902.530.92	4005.902.030.92
3	33	61	3	2	4005.003.533.03	4005.003.033.03
3,5	39	70	3,5	2	4005.903.539.93	4005.903.039.93
4	43	75	4	2	4005.004.543.04	4005.004.043.04
4,5	47	80	4,5	2	4005.904.547.94	4005.904.047.94
5	52	86	5	2	4005.005.552.05	4005.005.052.05
5,5	57	93	5,5	2	4005.905.557.05	4005.905.057.05
6	57	93	6	2	4005.006.557.06	4005.006.057.06
7	69	109	7	2	4005.007.569.07	4005.007.069.07
8	75	117	8	2	4005.008.575.08	4005.008.075.08
9	81	125	9	2	4005.009.581.09	4005.009.081.09
10	87	133	10	2	4005.010.587.10	4005.010.87.10





HW · MAN

D	L2	L1	S	Z	Ref. Esq	Ref. Drt
L1 = 57,5mm						
5	30	57,5	8x20	2	4006.005.530.08	4006.005.030.08
8	30	57,5	8x20	2	4006.008.530.08	4006.008.030.08
L1 = 70mm						
5	45	70	8x20	2	4006.005.545.08	4006.005.045.08
6	45	70	8x20	2	4006.006.545.08	4006.006.045.08
7	45	70	8x20	2	4006.007.545.08	4006.007.045.08
8	45	70	8x20	2	4006.008.545.08	4006.008.045.08

HW · MAN

D	L2	L1	S	Z	Ref. Esq	Ref. Drt
L1 = 57,5mm						
5	27	57	10x26	2	4006.005.527.10	4006.005.027.10
6	27	57	10x26	2	4006.006.527.10	4006.006.027.10
7	27	57	10x26	2	4006.007.527.10	4006.007.027.10
8	27	57	10x26	2	4006.008.527.10	4006.008.027.10
10	27	57	10x26	2	4006.010.527.10	4006.010.027.10
12	27	57	10x26	2	4006.012.527.10	4006.012.027.10
L1 = 70mm						
5	35	70	10x26	2	4006.005.535.10	4006.005.035.10
6	35	70	10x26	2	4006.006.535.10	4006.006.035.10
7	35	70	10x26	2	4006.007.535.10	4006.007.035.10
8	35	70	10x26	2	4006.008.535.10	4006.008.035.10
10	35	70	10x26	2	4006.010.535.10	4006.010.035.10
12	35	70	10x26	2	4006.012.535.10	4006.012.035.10
L1 = 77mm						
5	44	77	10x26	2	4006.005.544.10	4006.005.044.10
6	44	77	10x26	2	4006.006.544.10	4006.006.044.10
7	44	77	10x26	2	4006.007.544.10	4006.007.044.10
8	44	77	10x26	2	4006.008.544.10	4006.008.044.10
10	44	77	10x26	2	4006.010.544.10	4006.010.044.10
12	44	77	10x26	2	4006.012.544.10	4006.012.044.10

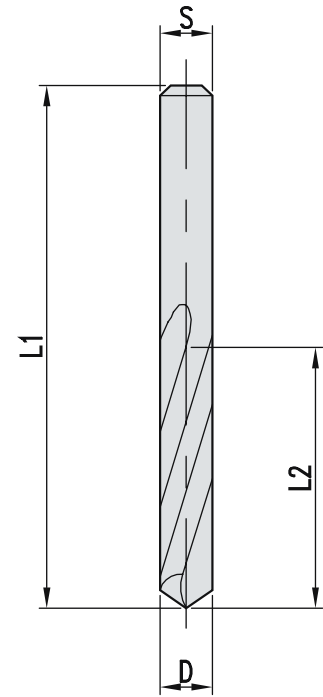
ACESSÓRIOS - Peças de recambio

	Dim.	Ref.
Perno de afinação (DIN916)	M5x10	5106.005



HW · MAN

D	L2	L1	S	Z	Ref. Esq	Ref. Drt
2	16	49	2	2	4002.002.516.02	4002.002.016.02
2,5	27	55	2,5	2	4002.902.527.92	4002.902.027.92
3	27	55	3	2	4002.003.527.03	4002.003.027.03
3,5	30	55	3,5	2	4002.903.530.93	4002.903.030.93
4	30	55	4	2	4002.004.530.04	4002.004.030.04
5	30	55	5	2	4002.005.530.05	4002.005.030.05

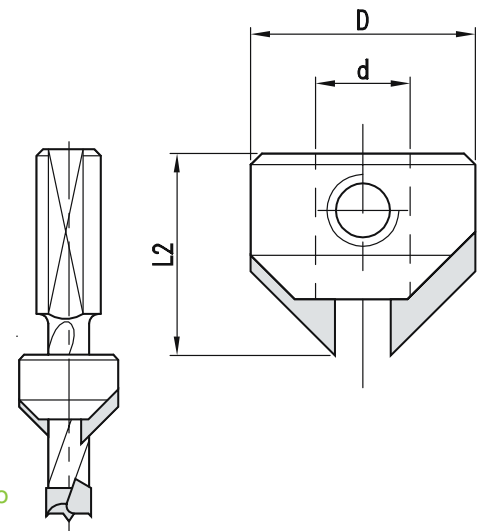


Escariador – aperto na hélice
Avellanador, fijación en la hélice

4020

HW · MAN

d	D	Z	Ref. Esq	Ref. Drt
4	16	2	4020.004.515.04	4020.004.015.04
5	16	2	4020.005.515.05	4020.005.015.05
6	16	2	4020.006.515.06	4020.006.015.06
7	16	2	4020.007.515.07	4020.007.015.07
8	18	2	4020.008.515.08	4020.008.015.08
9	18	2	4020.009.515.09	4020.009.015.09
10	20	2	4020.010.520.10	4020.010.020.10
11	20	2	4020.011.520.11	4020.011.020.11
12	20	2	4020.012.520.12	4020.012.020.12

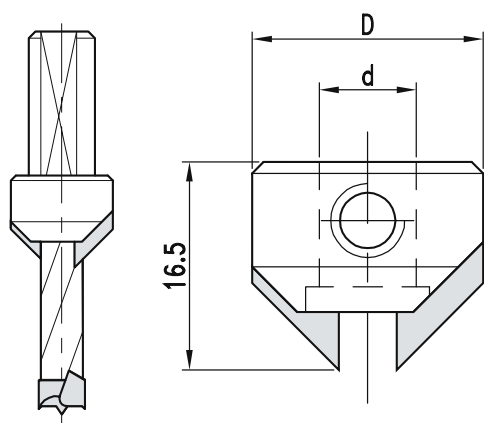


ACESSÓRIOS - Piezas de recambio

	Dim.	Ref.
Perno (DIN916)	M5x5	5106.003
Chave	SW2,5	5302.006



4021 Escariador – aperto no encabadouro Avellanador - fijación en el mango



HW · MAN

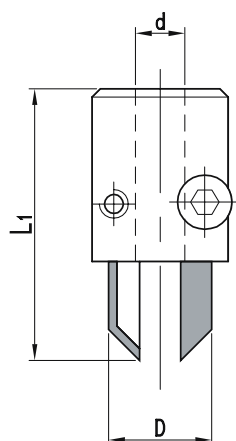
d	D	Ø	Z	Ref. Esq	Ref. Drt
10	20	5-10	2	4021.004.516.04	4021.004.016.04
10	22	11-12	2	4021.004.516.04	4021.004.016.04

Ø Para brocas de diâmetro

ACESSÓRIOS - Piezas de recambio

	Dim.	Ref.
Perno (DIN916)	M5x5	5106.003
Chave	SW2,5	5302.006

4022 Escariador – extensível Avellanador ajustable

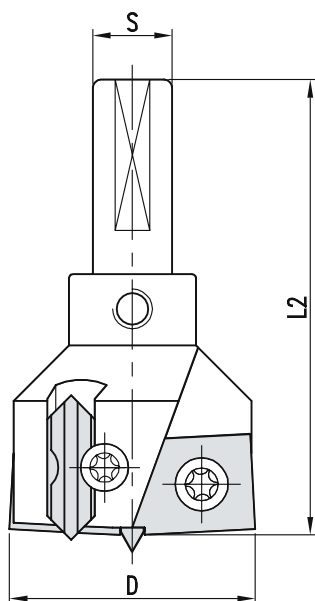


HW · MAN

D	d	Z	Ref.
10 – 14,	3 – 7,	2	4022.003.033.03

ESCARIADOR EXTENSÍVEL. UM SÓ ESCARIADOR PARA BROCAS Ø 3,0 A 7,2.
Avellanador ajustable. Un solo avellanador para brocas Ø 3,0 a 7,2.

4500 Porta-lâminas para dobradiça Porta-cuchillas para bisagra con cuchillas reversibles



HW · MAN

D	L2	S	Z	V	Ref. Esq	Ref. Drt
25	55,5	10x26	2	2	4500.025.555.10	4500.025.055.10
26	55,5	10x26	2	2	4500.026.555.10	4500.026.055.10
30	55,5	10x26	2	2	4500.030.555.10	4500.030.055.10
35	55,5	10x26	2	2	4500.035.555.10	4500.035.055.10

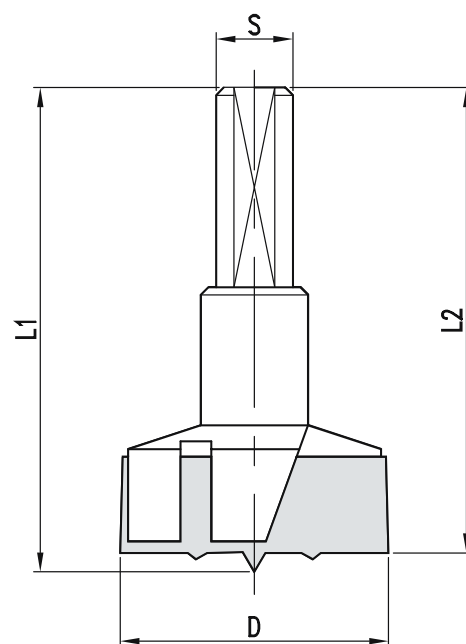
ACESSÓRIOS - Piezas de recambio

	D	Dim.	Ref.
Lâminas	25	10,5x12x1,5	5000.17.1
	26	11x12x1,5	5000.18.1
	30	13x12x1,5	5000.19.1
	35	15,7x12x1,5	5000.20.1
Parafuso		M3,5x5	5109.005
		M3,5x6,5	5109.004
Vincador		18x6x3,5	V.4500
Parafuso		M3,5x6	P.4500
Centralizador		Ø3x33,5	B.4500
Perno (DIN 916)		M6x6	5106.006
Perno de Afinação (DIN 916)		M5x10	5106.005
Chave		SW3	5302.007
Chave Torx		T15	5302.202



HW · MAN

D	L2	S	Z	V	Ref. Esq	Ref. Drt
L1 = 57,5mm						
15	55,5	10x26	2	2	4060.015.555.10	4060.015.055.10
16	55,5	10x26	2	2	4060.016.555.10	4060.016.055.10
18	55,5	10x26	2	2	4060.018.555.10	4060.018.055.10
20	55,5	10x26	2	2	4060.020.555.10	4060.020.055.10
22	55,5	10x26	2	2	4060.022.555.10	4060.022.055.10
24	55,5	10x26	2	2	4060.024.555.10	4060.024.055.10
25	55,5	10x26	2	2	4060.025.555.10	4060.025.055.10
26	55,5	10x26	2	2	4060.026.555.10	4060.026.055.10
28	55,5	10x26	2	2	4060.028.555.10	4060.028.055.10
30	55,5	10x26	2	2	4060.030.555.10	4060.030.055.10
32	55,5	10x26	2	2	4060.032.555.10	4060.032.055.10
34	55,5	10x26	2	2	4060.034.555.10	4060.034.055.10
35	55,5	10x26	2	2	4060.035.555.10	4060.035.055.10
38	55,5	10x26	2	2	4060.038.555.10	4060.038.055.10
40	55,5	10x26	2	2	4060.040.555.10	4060.040.055.10
L1 = 70mm						
15	68	10x26	2	2	4060.015.568.10	4060.015.068.10
18	68	10x26	2	2	4060.018.568.10	4060.018.068.10
20	68	10x26	2	2	4060.020.568.10	4060.020.068.10
25	68	10x26	2	2	4060.025.568.10	4060.025.068.10
26	68	10x26	2	2	4060.026.568.10	4060.026.068.10
30	68	10x26	2	2	4060.030.568.10	4060.030.068.10
35	68	10x26	2	2	4060.035.568.10	4060.035.068.10
40	68	10x26	2	2	4060.040.568.10	4060.040.068.10
L1 = 77mm						
18	75	10x26	2	2	4060.018.575.10	4060.018.075.10
20	75	10x26	2	2	4060.020.575.10	4060.020.075.10
25	75	10x26	2	2	4060.025.575.10	4060.025.075.10
30	75	10x26	2	2	4060.030.575.10	4060.030.075.10
35	75	10x26	2	2	4060.035.575.10	4060.035.075.10

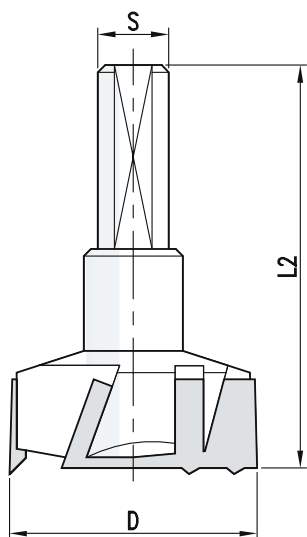


ACESSÓRIOS - Piezas de recambio

	Dim.	Ref.
Perno de afinação (DIN916)	M5x10	5106.005



4061 Brocas para dobradiça Brocas bisagra



HW · MAN

D	L2	S	Z	V	Ref. Esq	Ref. Drt
25	55,5	10x26	3	3	4061.025.555.10	4061.025.055.10
30	55,5	10x26	3	3	4061.030.555.10	4061.030.055.10
35	55,5	10x26	3	3	4061.035.555.10	4061.035.055.10

ACESSÓRIOS - Piezas de recambio

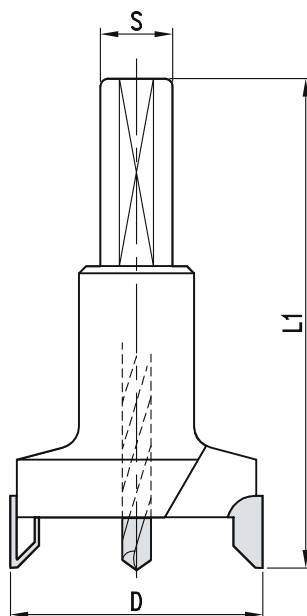
	Dim.	Ref.
Perno de afinação (DIN916)	M5x10	5106.005



SEM CENTRALIZADOR, PERMITINDO GRANDE APROXIMAÇÃO À FACE REVESTIDA.

Sin punto centrador, permite profundizar cerca del fondo del lado revestido.

4063 Brocas para dobradiça (Portas com aro de alumínio) Brocas bisagra (Puertas con marco de aluminio)

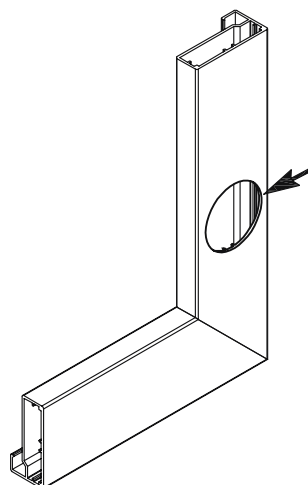


HW · MAN

D	L1	S	Z	Ref.
26	70	10x26	2	4063.026.070.10
35	70	10x26	2	4063.035.070.10

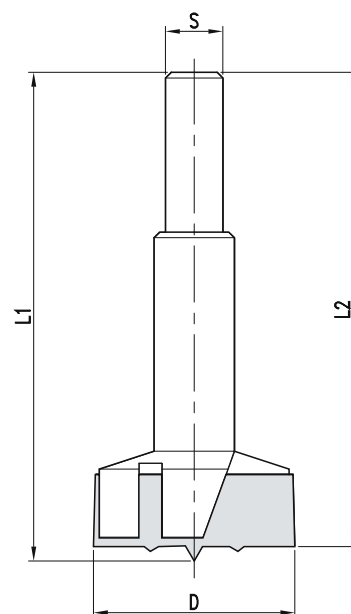
ACESSÓRIOS - Piezas de recambio

	Dim.	Ref.
Perno de afinação (DIN 916)	M5x10	5106.005
Broca central		B.4500
Perno (DIN 916)	M5x5	5106.003



HW · MAN

D	L2	L1	S	Z	V	Ref. Esq	Ref. Drt
L1 = 92mm							
15	90	92	10x30	2	2	4062.015.590.10	4062.015.090.10
16	90	92	10x30	2	2	4062.016.590.10	4062.016.090.10
18	90	92	10x30	2	2	4062.018.590.10	4062.018.090.10
20	90	92	10x30	2	2	4062.020.590.10	4062.020.090.10
22	90	92	10x30	2	2	4062.022.590.10	4062.022.090.10
24	90	92	10x30	2	2	4062.024.590.10	4062.024.090.10
25	90	92	10x30	2	2	4062.025.590.10	4062.025.090.10
26	90	92	10x30	2	2	4062.026.590.10	4062.026.090.10
28	90	92	10x30	2	2	4062.028.590.10	4062.028.090.10
30	90	92	10x30	2	2	4062.030.590.10	4062.030.090.10
32	90	92	10x30	2	2	4062.032.590.10	4062.032.090.10
35	90	92	10x30	2	2	4062.035.590.10	4062.035.090.10
38	90	92	10x30	2	2	4062.038.590.10	4062.038.090.10
40	90	92	10x30	2	2	4062.040.590.10	4062.040.090.10
45	90	92	10x30	2	2	4062.045.590.10	4062.045.090.10
50	90	92	10x30	2	2	4062.050.590.10	4062.050.090.10
L1 = 122mm							
50	120	122	16	2	2	4062.050.520.16	4062.050.020.16
55	120	122	16	2	2	4062.055.520.16	4062.055.020.16
60	120	122	16	2	2	4062.060.520.16	4062.060.020.16



4000 Broca para furar e ranhurar Broca para taladrar y escoplear

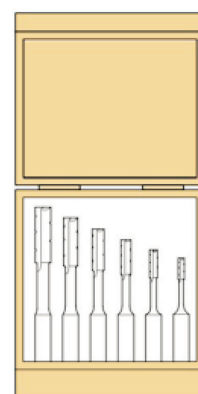
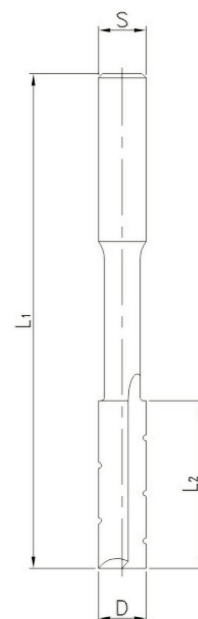
SP · MAN

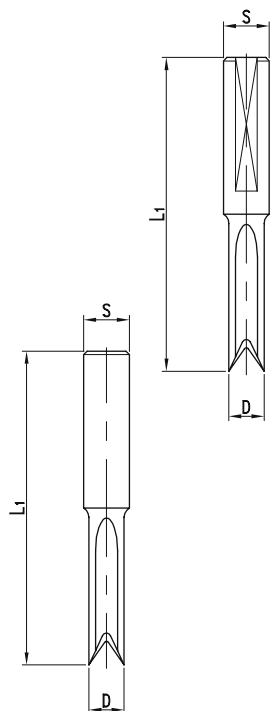
D	L2	L1	S	Z	Ref. Esq	Ref. Drt
6	35	110	13	2	4000.006.535.13	4000.006.035.13
7	35	115	13	2	4000.007.535.13	4000.007.035.13
8	38	120	13	2	4000.008.538.13	4000.008.038.13
9	40	125	13	2	4000.009.540.13	4000.009.040.13
10	42	130	13	2	4000.010.542.13	4000.010.042.13
11	45	135	13	2	4000.011.545.13	4000.011.045.13
12	48	140	13	2	4000.012.548.13	4000.012.048.13
13	50	145	13	2	4000.013.550.13	4000.013.050.13
14	54	150	13	2	4000.014.554.13	4000.014.054.13
15	57	155	13	2	4000.015.557.13	4000.015.057.13
16	57	160	13	2	4000.016.557.13	4000.016.057.13
18	65	170	13	2	4000.018.565.13	4000.018.065.13
20	70	180	13	2	4000.020.570.13	4000.020.070.13
22	70	185	13	2	4000.022.570.13	4000.022.070.13
24	75	185	13	2	4000.024.575.13	4000.024.075.13
26	83	185	13	2	4000.026.583.13	4000.026.083.13

TAMBÉM DISPONÍVEL COM S= 16MM
S= 16mm sobre pedido

Jogo de 6 brocas para furar e ranhurar
Juego de 6 brocas

D	S	Ref. Esq	Ref. Drt
6/8/10/12/14/16	13	4000.506.13	4000.006.13
6/8/10/12/14/16	16	4000.506.16	4000.006.16



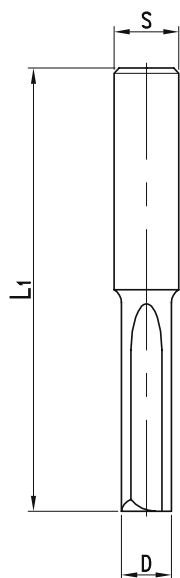
**4040****Broca para ranhuras (máquina de movimento vibratório)**
Brocas para escoplear (máquina movimento vibratorio)

HS · MAN

D	L1	S	Z	Ref.
6	60	12x30	2	4040.006.025.12
8	60	12x30	2	4040.008.025.12
10	60	12x30	4	4040.010.025.12
12	60	12x30	4	4040.012.025.12
14	60	12x30	4	4040.014.025.12

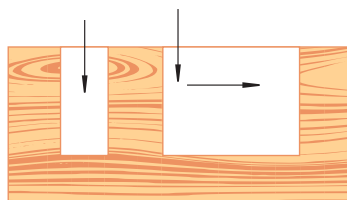
HS · MAN

D	L1	S	Z	Ref.
8	95	13x40	2	4040.008.035.13
10	105	13x40	2	4040.010.035.13
12	115	13x40	2	4040.012.035.13

4042**Broca para ranhuras (máquina de movimento vibratório)**
Brocas para escoplear (máquina movimento vibratorio)

HS· MAN

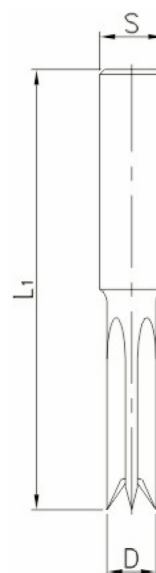
D1	L2	L1	S	Z	Ref. Esq	Ref. Drt
6	50	90	13	3	4042.006.550.13	4042.006.050.13
8	55	95	13	3	4042.008.555.13	4042.008.055.13
10	65	105	13	3	4042.010.565.13	4042.010.065.13
12	75	115	13	3	4042.012.575.13	4042.012.075.13
14	85	125	13	3	4042.014.585.13	4042.014.085.13
16	90	130	13	3	4042.016.590.13	4042.016.090.13
18	90	130	13	3	4042.018.590.13	4042.018.090.13





HS · MAN

D	L1	S	Z	Ref.
6	90	13x40	4	4043.006.090.13
8	95	13x40	4	4043.008.090.13
10	105	13x40	4	4043.010.105.13
12	115	13x40	4	4043.012.115.13
14	125	13x40	4	4043.014.125.13
16	130	13x40	4	4043.016.130.13

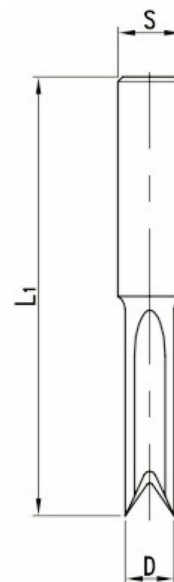


Broca para ranhuras (máquina de movimento vibratório)
Brocas para escoplar (máquina movimiento vibratorio)

4044

HS · MAN

D	L1	S	Z	Ref.
8	75	9,5	2	4044.008.075.95
10	75	9,5	2	4044.010.075.95
12	75	9,5	2	4044.012.075.95
8	75	10	2	4044.008.075.10
10	75	10	2	4044.010.075.10
12	75	10	2	4044.012.075.10







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