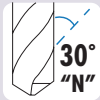




FERRAMENTAS EM POLEGADAS

BLUE-MASTER[®]
by *celesa*

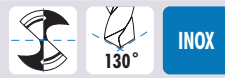
CUTTING TECHNOLOGIES

BROCAS PARA METAL
**DIN
338**


BC2P

BC5P

BC95P


**10
Uds.**
 $\varnothing 1/32'' - \varnothing 13/32''$
**6
Uds.**
 $\varnothing 27/64'' - \varnothing 9/16''$
**1
Ud.**
 $\varnothing 37/64'' - \varnothing 1''$


	BC2P			BC5P			BC95P		
	HSS	OX	€	HSSCo	DOURADO	€	HSSCo	DOURADO OX	€
1/32"	BC2P1/32		2,25	BC5P1/32		2,76	BC95P1/32		2,87
3/64"	BC2P3/64		1,88	BC5P3/64		2,89	BC95P3/64		2,87
1/16"	BC2P1/16		1,61	BC5P1/16		2,95	BC95P1/16		2,87
5/64"	BC2P5/64		1,43	BC5P5/64		2,89	BC95P5/64		2,69
3/32"	BC2P3/32		1,50	BC5P3/32		2,84	BC95P3/32		2,69
7/64"	BC2P7/64		1,54	BC5P7/64		2,77	BC95P7/64		2,65
1/8"	BC2P1/8		1,35	BC5P1/8		2,64	BC95P1/8		2,63
9/64"	BC2P9/64		1,77	BC5P9/64		3,32	BC95P9/64		3,07
5/32"	BC2P5/32		1,83	BC5P5/32		3,32	BC95P5/32		3,43
11/64"	BC2P11/64		2,15	BC5P11/64		3,32	BC95P11/64		3,82
3/16"	BC2P3/16		1,96	BC5P3/16		3,45	BC95P3/16		4,07
13/64"	BC2P13/64		2,49	BC5P13/64		3,65	BC95P13/64		4,52
7/32"	BC2P7/32		3,25	BC5P7/32		5,07	BC95P7/32		4,75
15/64"	BC2P15/64		3,05	BC5P15/64		5,54	BC95P15/64		5,05
1/4"	BC2P1/4		2,82	BC5P1/4		5,68	BC95P1/4		5,49
17/64"	BC2P17/64		3,52	BC5P17/64		6,33	BC95P17/64		6,43
9/32"	BC2P9/32		5,51	BC5P9/32		8,63	BC95P9/32		7,48
19/64"	BC2P19/64		6,44	BC5P19/64		10,45	BC95P19/64		8,23
5/16"	BC2P5/16		5,90	BC5P5/16		10,43	BC95P5/16		8,76
21/64"	BC2P21/64		6,96	BC5P21/64		9,99	BC95P21/64		9,14
11/32"	BC2P11/32		6,69	BC5P11/32		11,91	BC95P11/32		11,64
23/64"	BC2P23/64		8,83	BC5P23/64		14,10	BC95P23/64		11,64
3/8"	BC2P3/8		6,08	BC5P3/8		10,33	BC95P3/8		12,06
25/64"	BC2P25/64		10,40	BC5P25/64		16,48	BC95P25/64		13,32
13/32"	BC2P13/32		10,40	BC5P13/32		19,07	BC95P13/32		13,32
27/64"	BC2P27/64		10,66	BC5P27/64		22,87	BC95P27/64		18,00
7/16"	BC2P7/16		12,89	BC5P7/16		25,12	BC95P7/16		19,86
29/64"	BC2P29/64		10,28	BC5P29/64		21,21	BC95P29/64		22,87
15/32"	BC2P15/32		13,85	BC5P15/32		26,05	BC95P15/32		24,51
31/64"	BC2P31/64		14,34	BC5P31/64		29,86	BC95P31/64		27,32
1/2"	BC2P1/2		14,64	BC5P1/2		31,62	BC95P1/2		27,71
33/64"	BC2P33/64		16,98	BC5P33/64		31,19			
17/32"	BC2P17/32		18,50	BC5P17/32		31,29			
35/64"	BC2P35/64		26,68	BC5P35/64		36,94			
9/16"	BC2P9/16		28,91	BC5P9/16		40,85			
37/64"	BC2P37/64		23,24	BC5P37/64		51,60			
19/32"	BC2P19/32		21,60	BC5P19/32		44,52			
39/64"	BC2P39/64		32,13	BC5P39/64		71,22			
5/8"	BC2P5/8		26,29	BC5P5/8		53,46			
*41/64"	BC2P41/64		29,76	BC5P41/64		54,90			
*21/32"	BC2P21/32		30,31	BC5P21/32		57,17			
*43/64"	BC2P43/64		30,36	BC5P43/64		60,20			
*11/16"	BC2P11/16		34,80	BC5P11/16		66,69			
*45/64"	BC2P45/64		38,39	BC5P45/64		70,51			
*23/32"	BC2P23/32		39,13	BC5P23/32		72,94			
*47/64"	BC2P47/64		40,87	BC5P47/64		80,23			
*3/4"	BC2P3/4		46,41	BC5P3/4		84,93			
*49/64"	BC2P49/64		48,00	BC5P49/64		91,40			
*25/32"	BC2P25/32		49,92	BC5P25/32		95,50			
*1"	BC2P1		100,85	BC5P1		201,90			



Ref. BC2P



Ref. BC5P



Ref. BC95P



* Cabo reduzido 1/2"

BROCAS EM ESTOJOS DE METAL E PLÁSTICO

DIN 338 HSS



(Brocas Ref. BC2P)

REFERÊNCIA	DP7021	DP7029
Nº BROCAS	21	29
QUALIDADE	HSS	HSS
CONTEÚDO	Ø 1/16-3/8"	Ø 1/16-1/2"
P.V.P. €	75,38	171,88

DIN 338 HSS



(Brocas Ref. BC2P)

REFERÊNCIA	PP7021	PP7029
Nº BROCAS	21	29
QUALIDADE	HSS	HSS
CONTEÚDO	Ø 1/16-3/8"	Ø 1/16-1/2"
P.V.P. €	75,38	171,88

HSSCo 5%



(Brocas Ref. BC5P)

REFERÊNCIA	DCP7021	DCP7029
Nº BROCAS	21	29
QUALIDADE	HSSCo	HSSCo
CONTEÚDO	Ø 1/16-3/8"	Ø 1/16-1/2"
P.V.P. €	126,85	315,14

HSSCo 5%



(Brocas Ref. BC5P)

REFERÊNCIA	PCP7021	PCP7029
Nº BROCAS	21	29
QUALIDADE	HSSCo	HSSCo
CONTEÚDO	Ø 1/16-3/8"	Ø 1/16-1/2"
P.V.P. €	126,85	315,14

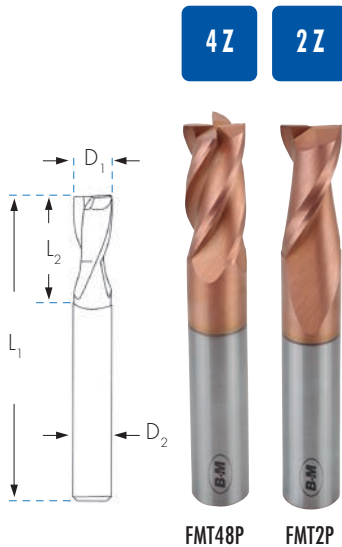
FRESAS METAL DURO
INOX
Al
Ti

 Ref. FMT48
 Ref. FMT2

MD



TiAlSiN



FMT48P

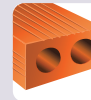
FMT2P

				FMT48P	FMT2P					FMT48P	FMT2P
D ₁	L ₂	D ₂	L ₁	€	€	D ₁	L ₂	D ₂	L ₁	€	€
1/32	3/32	1/8	1.1/2	38,07	38,07	21/64	7/8	3/8	2.1/2	78,14	78,14
3/64	1/8	1/8	1.1/2	38,07	38,07	11/32	7/8	3/8	2.1/2	78,14	78,14
1/16	1/4	1/8	1.1/2	30,48	30,48	23/64	7/8	3/8	2.1/2	78,14	78,14
5/64	1/4	1/8	1.1/2	29,79	29,79	3/8	7/8	3/8	2.1/2	76,86	76,86
3/32	3/8	1/8	1.1/2	25,08	25,08	25/64	7/8	7/16	2.1/2	103,09	103,09
7/64	3/8	1/8	1.1/2	25,08	25,08	13/32	7/8	7/16	2.1/2	103,09	103,09
1/8	1/2	1/8	1.1/2	25,08	25,08	27/64	7/8	7/16	2.1/2	103,09	103,09
9/64	9/16	3/16	2	28,59	28,59	7/16	1	7/16	2.1/2	103,09	103,09
5/32	9/16	3/16	2	28,59	28,59	29/64	1	1/2	3	113,20	113,20
11/64	9/16	3/16	2	28,59	28,59	15/32	1	1/2	3	113,20	113,20
3/16	5/8	3/16	2	36,11	36,11	31/64	1	1/2	3	113,20	113,20
13/64	5/8	1/4	2.1/2	41,91	41,91	1/2	1	1/2	3	102,90	102,90
7/32	5/8	1/4	2.1/2	41,91	41,91	9/16	1.1/4	9/16	3.1/2	150,89	150,89
15/64	3/4	1/4	2.1/2	41,91	41,91	5/8	1.1/4	5/8	3.1/2	197,97	197,97
1/4	3/4	1/4	2.1/2	40,20	40,20	3/4	1.1/2	3/4	4	290,00	290,00
17/64	7/8	5/16	2.1/2	55,59	55,59	7/8	1.1/2	7/8	4	283,60	283,60
9/32	7/8	5/16	2.1/2	55,59	55,59	1	1.1/2	1	4	427,99	427,99
19/64	7/8	5/16	2.1/2	55,59	55,59	1.1/4	2	1.1/4	4.1/2	2.046,27	2.046,27
5/16	7/8	5/16	2.1/2	48,22	48,22						

* TiAlN sob demanda e ao mesmo preço.

BROCAS DE CONSTRUÇÃO

 Ref. BW6P
 Ref. BW1P

DIN
8039

SÉRIE PROFESSIONAL
SÉRIE STANDARD


Ref. BW6P



Ref. BW1P

	BW6P		BW1P	
	€		€	
1/8"	BW6P1/8	3,05	BW1P1/8	1,31
5/32"	BW6P5/32	3,05	BW1P5/32	1,31
3/16"	BW6P3/16	3,15	BW1P3/16	1,38
1/4"	BW6P1/4	3,65	BW1P1/4	1,49
9/32"	BW6P9/32	4,27	BW1P9/32	1,67
5/16"	BW6P5/16	4,46	BW1P5/16	1,89
11/32"	BW6P11/32	5,76	BW1P11/32	2,23
3/8"	BW6P3/8	6,20	BW1P3/8	2,45
7/16"	BW6P7/16	8,08	BW1P7/16	3,99
15/32"	BW6P15/32	9,09	BW1P15/32	4,11
1/2"	BW6P1/2	12,25	BW1P1/2	4,76
*9/16"	BW6P9/16	13,54	BW1P9/16	6,28
*19/32"	BW6P19/32	16,65	BW1P19/32	7,63
*5/8"	BW6P5/8	17,31	BW1P5/8	8,64
*11/16"	BW6P11/16	21,78	BW1P11/16	10,38
*3/4"	BW6P3/4	27,50	BW1P3/4	12,61
*7/8"	BW6P7/8	32,39	BW1P7/8	14,31
*1"	BW6P1	49,49	BW1P1	17,52

* Cabo reduzido 1/2"

BROCAS DE CONSTRUÇÃO

Ref. W05P



Ref. W05P



D1	L1 x L2"								W05P
	4"	6"	8"	10"	12"	18"	24"	39"	€
1/8"	17,03	19,13							
9/64"	14,88	15,24							
5/32"	7,30	12,43							
13/64"	5,98	7,55	11,84		18,07				
7/32"	6,99	8,10	14,20	19,82					
15/64"	6,16	7,10	10,46	15,85		35,27			
1/4"	7,87	8,68	16,23	16,63	21,43				
9/32"	7,87	8,68	13,63	17,95	22,67	31,72			
5/16"	7,75	7,80	9,87	14,36	21,12	28,22	49,07		
23/64"		10,02	12,05	14,68					
3/8"		12,32							
25/64"	8,31	9,70	11,77	14,88	19,99	30,89	45,36	118,93	
7/16"		12,00	14,58	16,41	29,69				
15/32"		10,88	13,38	16,15	23,30	29,63	44,44	112,15	
1/2"		17,15	22,33	20,64	24,27	39,02			
35/64"		17,55	19,29	21,55	26,18	34,61	51,42	121,75	
19/32"		19,80	24,41	25,64		42,15			
5/8"		19,80	24,16	26,56	30,07	41,16	55,28	138,36	
43/64"			32,44						
45/64"			32,69	36,99	53,30	46,99	76,06	165,74	
3/4"			39,16		49,44	53,89			
25/32"			36,62	39,60	48,34	60,81	84,26	174,47	
7/8"				45,96	56,33	67,34	109,51	179,30	
29/32"				65,20					
15/16"				54,05		83,62			
1"				57,94	63,97	76,50	105,12	196,40	

W05P - 10 UNIDADES

D1	L1 x L2"		
	4"	6"	8"
13/64"	53,85	67,70	
15/64"	55,41	63,89	94,10
5/16"	69,86	70,44	88,83
25/64"	74,74	87,29	105,92
15/32"		97,80	120,48



W05P - 50 UNIDADES

D1	L1 x L2"
	6"
15/64"	308,77
5/16"	323,77



BROCAS DE CONSTRUÇÃO

Ref. W55P

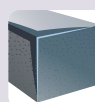


W55P

D1	L1 x L2"								
	4"	6"	8"	10"	12"	18"	24"	32"	39"
13/64"	7,92	9,86	14,79	16,99	22,29				
15/64"	8,13	10,17	14,31	17,12	22,36	36,51			
1/4"	9,79	10,38	14,98	17,64	22,50				
5/16"	10,25	10,44	15,14	17,77	25,37	36,96	58,93		
25/64"	10,97	12,71	16,62	19,51	28,20	40,81	59,46	153,70	162,13
15/32"		14,36	17,68	22,04	30,77	42,36	68,21		165,08
35/64"		22,13	25,47	28,48	34,56	45,73	69,64		171,54
5/8"				34,82		53,95	75,25	174,82	181,34
45/64"				48,50		61,60	103,68		217,25
25/32"				51,92		64,33	114,85		228,65
7/8"				60,23		88,27	143,55		234,99
15/16"				70,84		109,60	159,70		251,35
1"				75,95		100,28	166,56		267,71
1.1/8"				169,93		182,62	213,88		274,25
1.3/16"				203,55		233,31	273,25		342,68



Ref. AXP

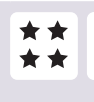


AXP

D1	L1 x L2"										
	12"	13"	20"	21"	28"	29"	36"	37"	52"	53"	59"
15/32"		82,42		99,06		122,94		179,44			
33/64"		90,88		102,34							
9/16"		91,35		104,47		145,19		187,17			
19/32"		93,98		116,60							
5/8"		114,46		129,84		150,49		192,47		417,71	
43/64"		118,82		135,68							
45/64"		120,07		140,95	165,22			195,28	425,92		
3/4"	126,06		140,51								
25/32"	120,78		143,79		189,19		221,99		431,43		
7/8"	133,81		150,81		193,34		233,04		438,13		
15/16"	139,79		162,14								445,31
1"	144,22		164,77		221,42		255,62		401,80		456,60
1.1/8"	173,01		190,38		244,23		299,79		520,32		591,26
1.1/4"	194,36		239,69		288,45		349,14		574,34		652,56
1.3/8"			257,79		290,06		418,84		607,01		
1.1/2"			312,24		367,35						
1.5/8"			372,27		416,48		460,26		723,00		884,96
1.3/4"			395,37								948,97
2"			532,41								

**FABRICADA
EM 2 PONTAS**

Ref. AXP



L1 x L2"

D1	L1 x L2"	
	23"	39"
	€	€
1.3/4"	572,80	616,91
2.1/4"	641,16	704,41
2.1/2"	709,04	796,84
3.1/4"	829,69	970,04

