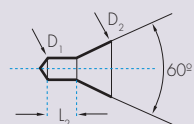


BROCAS DE CENTRAR

Ref. BC10
Ref. BC10Co

Ref. BC65
Ref. BC10I
Ref. BC10MD

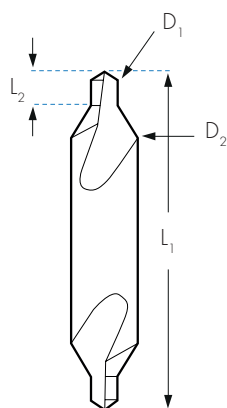


**DIN
333A**



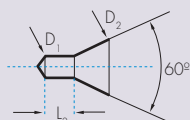
Brocas Metal

Rosa



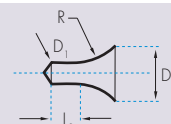
		BC10	BC10Co	BC65	BC10I	BC10MD
		HSS	HSSCo 5%	TiN	HSS	MD
D1 x D2 mm	L1 x L2 mm	€	€	€	€	€
0,50 x 3,00	31 x 1	14,00				
0,50 x 3,15	25 x 1	8,22	8,94	14,10		
0,63 x 3,15	25 x 1	8,22				63,91
0,80 x 3,15	25 x 1	8,08	8,94	13,97		
1,00 x 3,15	31 x 1	5,98	8,94	11,88		60,87
1,25 x 3,15	33 x 1	5,98	8,94	11,88		60,87
0,75 x 3,50	35 x 1	8,73	8,94	14,63		
1,00 x 4,00	35 x 1	7,51	8,94	13,41		68,24
1,25 x 4,00	35 x 1	6,35		12,69		
1,50 x 5,00	40 x 2	7,23	9,62	14,32		69,62
1,60 x 4,00	37 x 2	5,98	8,94	12,34	9,27	65,01
1,60 x 5,00	40 x 2	6,32		13,40		
2,00 x 5,00	42 x 2	6,43	9,62	13,51	9,96	74,08
2,00 x 6,00	45 x 2	7,23	10,14	14,79		78,98
2,00 x 6,30	45 x 2	6,49		14,54	10,57	
2,50 x 6,30	47 x 3	7,15	10,69	14,72	11,07	84,41
2,50 x 8,00	50 x 3	7,88	10,69	15,43	12,22	99,44
3,00 x 8,00	50 x 3	7,89	11,27	15,46		99,44
3,15 x 8,00	52 x 4	7,86	11,75	15,43	12,19	94,71
3,00 x 10,00	55 x 4	10,26	15,58	18,34		118,00
3,15 x 10,00	56 x 4	9,30			14,40	
4,00 x 10,00	59 x 5	10,91	15,58	20,82	16,91	118,00
4,00 x 12,00	63 x 5	17,63	24,56	26,87		
4,00 x 12,50	63 x 5	12,70			19,69	
5,00 x 12,00	63 x 5	17,63	24,56	26,87		191,15
5,00 x 12,50	66 x 6	19,13	25,67	28,49	29,66	197,08
5,00 x 14,00	69 x 6	30,30	33,92	40,82		
5,00 x 16,00	71 x 6	30,30			46,97	
6,30 x 16,00	74 x 8	26,17	36,74	37,15		314,82
6,30 x 18,00	77 x 8	46,13				
6,30 x 20,00	80 x 8	46,13		60,50		
8,00 x 20,00	81 x 27	50,52	100,53	75,17		
8,00 x 25,00	100 x 10	110,18				
10,00 x 25,00	100 x 31	78,39	110,65	112,55		
10,00 x 31,50	125 x 12	232,53				
12,50 x 31,50	125 x 33	186,47	242,34	243,72		

BROCAS DE CENTRAR

Ref. BC64
Ref. BC68DIN
333ADIN
333R

HSS

Ref. BC62



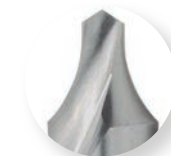
SERIE LARGA



D1 x D2 mm	L1 x L2 mm	BC64	BC68
		HSS €	TiN €
1,00 x 4,00	60 x 1	20,49	31,07
1,00 x 4,00	120 x 1	41,38	79,03
1,50 x 5,00	60 x 2	20,90	31,47
1,50 x 5,00	120 x 2	42,18	69,92
2,00 x 5,00	200 x 2	86,27	154,44
2,00 x 6,00	80 x 2	21,77	34,17
2,00 x 6,00	120 x 2	32,97	69,11
2,50 x 6,30	200 x 2	84,73	152,89
2,50 x 8,00	80 x 3	26,49	44,44
2,50 x 8,00	120 x 3	40,11	81,91
3,00 x 8,00	80 x 4	26,49	44,44
3,00 x 8,00	120 x 4	40,11	81,91
3,15 x 8,00	200 x 4	80,10	148,27
3,00 x 10,00	100 x 4	34,20	55,90
3,00 x 10,00	120 x 4	41,43	92,72
4,00 x 10,00	100 x 5	34,24	55,90
4,00 x 10,00	120 x 5	41,49	92,72
4,00 x 10,00	200 x 5	87,81	155,98
4,00 x 12,00	100 x 5	46,12	83,46
4,00 x 12,00	120 x 5	55,86	118,04
5,00 x 14,00	120 x 6	78,22	142,27

BC62

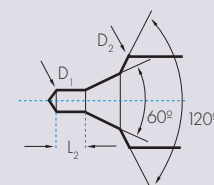
D1 x D2 mm	L1 x L2 mm	€
1,00 x 3,15	31 x 3	6,53
1,25 x 3,15	31 x 3	6,53
1,25 x 4,00	35 x 3	6,53
1,60 x 4,00	37 x 4	6,53
1,60 x 5,00	40 x 4	7,37
2,00 x 5,00	42 x 5	7,11
2,00 x 6,30	45 x 6	8,24
2,50 x 6,30	47 x 6	7,90
2,50 x 8,00	50 x 7	8,68
3,15 x 8,00	52 x 8	8,68
3,15 x 10,00	56 x 9	11,30
4,00 x 10,00	56 x 10	11,30
4,00 x 12,50	63 x 11	18,84
5,00 x 12,50	66 x 13	18,89
5,00 x 16,00	71 x 15	26,81
6,30 x 16,00	74 x 17	27,14
6,30 x 20,00	80 x 19	48,11
8,00 x 20,00	80 x 21	51,56
10,00 x 25,00	100 x 31	85,42
12,50 x 31,50	125 x 33	194,85



Ref. BC63

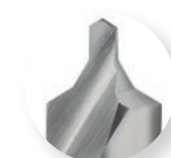
DIN
333B

HSS



BC63

D1 x D2 mm	L1 x L2 mm	€
1,00 x 4,00	37,50 x 1,60	10,95
1,25 x 5,00	42,00 x 1,90	10,95
1,60 x 6,30	47,00 x 2,40	10,95
2,00 x 8,00	52,00 x 2,90	11,49
2,50 x 10,00	59,00 x 3,60	13,29
3,15 x 11,20	63,00 x 4,40	15,36
4,00 x 14,00	70,00 x 5,60	23,62
5,00 x 18,00	78,00 x 6,90	32,65
6,30 x 20,00	83,00 x 8,60	47,63
8,00 x 25,00	100,00 x 26,00	105,20
10,00 x 31,50	125,00 x 30,00	208,46



BROCAS DE PUNTEAR

Utilizadas para el centrado previo de los taladros realizados con broca. Prepara la embocadura de la broca.
Incrementa la velocidad de ataque en el taladrado.

DIN
1412A

D2

TOL
h6

Ref. BC75
Ref. BI75
Ref. BC76

HSSCo
5%

TiAlN



BROCA DE PUNTEAR DOBLE PUNTA

Ref. DP75

HSSCo
5%

TiAlN



Ref. BC75



90°

Ref. BI75



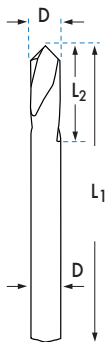
90°

Ref. BC76

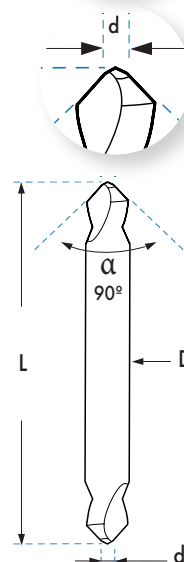


120°

D mm	L1 x L2 mm	BC75		BI75		BC76	
		90°	€	90°	€	120°	€
2	49 x 8	18,55				18,55	
3	50 x 10	21,46		66,16		21,46	
4	52 x 12	21,46		70,58		21,46	
5	60 x 15	24,20		74,99		24,20	
6	66 x 20	24,20		79,39		24,20	
8	79 x 25	27,33		88,21		27,33	
10	89 x 25	27,33		99,24		27,33	
12	102 x 30	37,70		110,27		37,70	
16	115 x 35	51,85				51,85	
20	131 x 40	102,04				102,04	



D x d mm	L mm	DP75	
		90°	€
3,0 x 0,5	40		26,78
4,0 x 1,0	45		26,89
6,0 x 2,0	55		30,50
8,0 x 2,5	65		35,22
10,0 x 3,0	75		37,80
12,0 x 3,5	85		46,63
16,0 x 4,0	90		71,83
20,0 x 5,0	100		117,83



BROCA DE PUNTEAR METAL DURO

D2

D2

Ref. BC92
Ref. BC93

MD

DIN
1412A

TOL
h6

DIN
6535HB



Ref. BN75

HSSCo
5%

120
Kg/mm²

Ti

INC

Ni

INOX

PVC

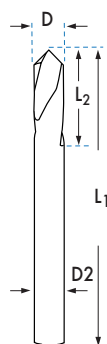


90°

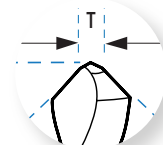
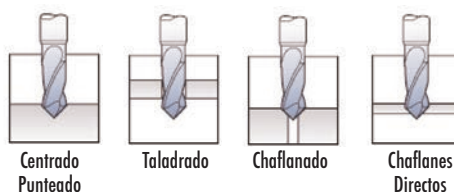


120°

D mm	L1 x L2 mm	BC92		BC93	
		90°	€	120°	€
1,0	26 x 6	28,44			
1,5	32 x 9	28,86			
2,0	38 x 12	29,16			
3,0	45 x 12	29,57		30,42	
4,0	50 x 15	29,87		30,73	
5,0	50 x 18	35,59		36,60	
6,0	50 x 13	46,16		47,48	
8,0	60 x 23	64,98		66,83	
10,0	70 x 24	92,12		94,75	
12,0	70 x 24	118,93		122,33	
14,0	70 x 27	179,11		184,22	
16,0	75 x 29	218,87		212,62	
18,0	100 x 33	326,17		335,49	
20,0	100 x 35	386,24		377,00	

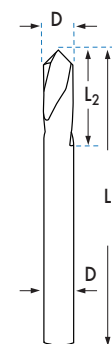


APLICACIÓN MULTITAREA



	D mm	L1 x L2 mm	T*	BN75	
				90°	€
BN750300	3,0	50 x 6	0,3		31,69
BN750400	4,0	52 x 8	0,4		34,36
BN750500	5,0	60 x 10	0,5		37,31
BN750600	6,0	66 x 12	0,6		39,99
BN750800	8,0	79 x 14	0,8		48,27
BN751000	10,0	89 x 16	1,0		57,75
BN751200	12,0	102 x 18	1,2		75,52
BN751400	14,0	115 x 21	1,4		106,61
BN751600	16,0	115 x 24	1,6		118,46

T*: Espesor del núcleo

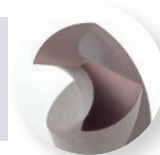


BROCAS DE PUNTEAR

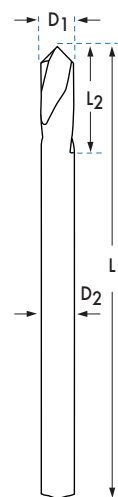
Utilizadas para el centrado previo de los taladros realizados con broca. Prepara la embocadura de la broca.
Incrementa la velocidad de ataque en el taladrado.

DIN
1412A
D₂
TOL
h6

Ref. BL75

HSSCo
5%
TiAlN


BL75		
HSSCo 5%	TiAlN	90°
D1 mm	L1 x L2 mm	€
3	80 x 10	44,11
4	100 x 12	48,51
5	120 x 15	52,93
6	140 x 20	57,34
8	140 x 25	63,95
10	170 x 25	79,39
12	170 x 30	97,04
16	200 x 35	130,12
20	200 x 40	165,40


BROCAS DE PUNTEAR MANGO CÓNICO

Ref. BP11

HSSCo
5%

120
Kg/mm²


BP11					
D1 mm	L1 mm	L2 mm	L3 mm	CM	90° €
10	130	25	64	1	132,33
12	130	30	64	1	143,35
16	148	35	68	2	176,43
20	148	40	68	2	220,54
25	171	45	72	3	297,73

