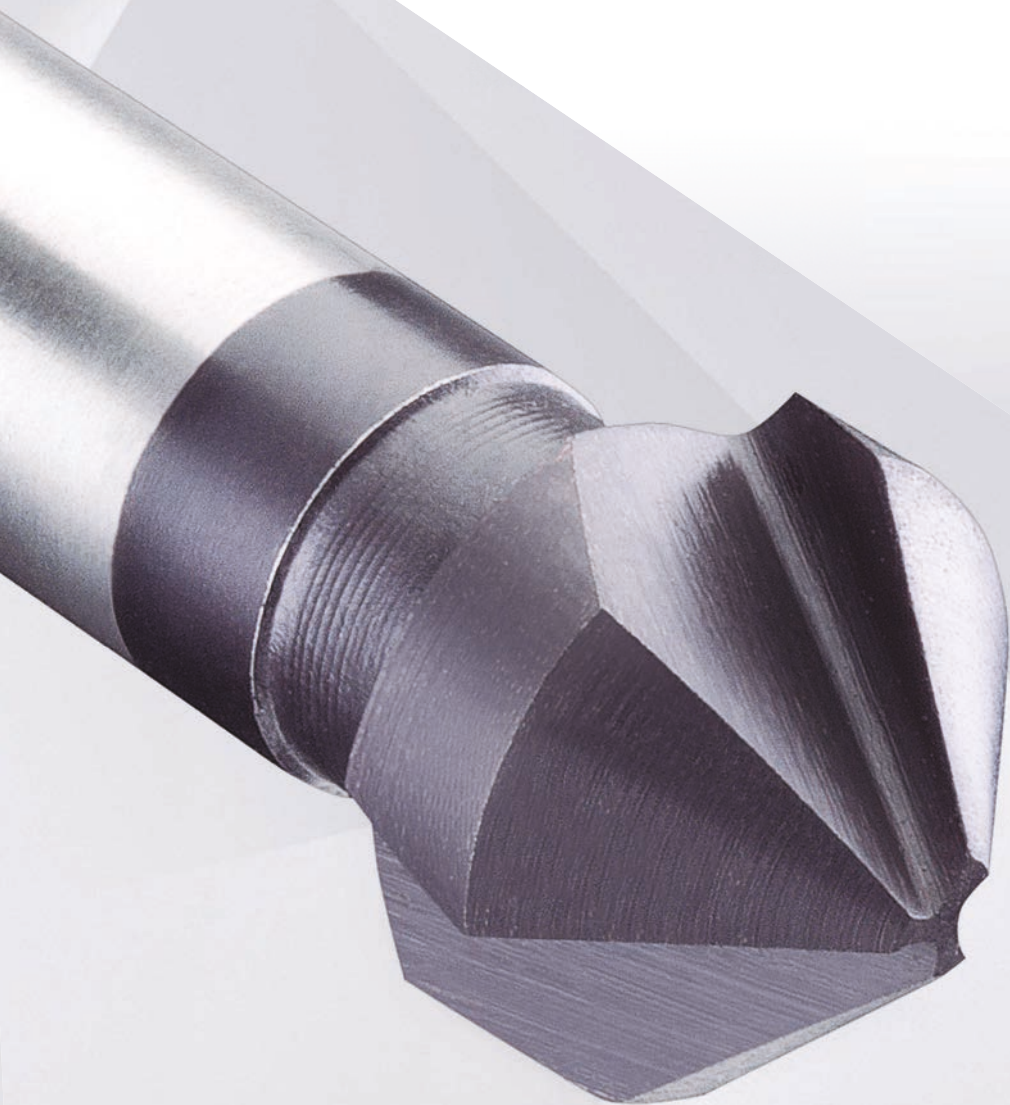


AVELLANADORES



BLUE-MASTER®
by *celesa*

CUTTING TECHNOLOGIES

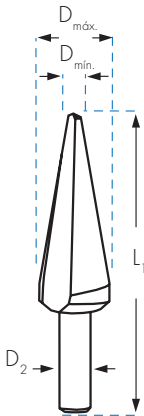
BROCAS AVELLANADORAS PARA TUBO Y CHAPA HSS Y HSSCo

HSS

Ref. AV30



118°



AV30						
	D mín. mm	D máx. mm	D2 mm	L1 mm	HSS €	TiN €
AV30BM0B	3,0	14,0	6,0	58	19,54	39,06
AV30BM8B	3,0	22,5	8,0	85	54,03	97,91
AV30BM5B	3,0	31,0	10,0	102	86,40	129,48
AV30BM9B	5,0	25,4	10,0	87	61,44	117,37
AV30BM1B	6,0	20,0	8,0	63	27,57	57,00
AV30BM2B	16,0	30,0	10,0	79	53,33	94,32
AV30BM3B	26,0	40,0	13,0	86	110,34	172,79
AV30BM4	36,0	50,0	13,0	89	162,52	250,70
AV30BM6	40,0	61,0	13,0	98	269,24	419,29

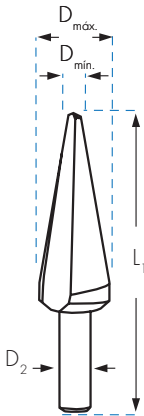
* Las referencias acabadas en B, se suministran en blister.

HSSCo

Ref. AVC30



118°



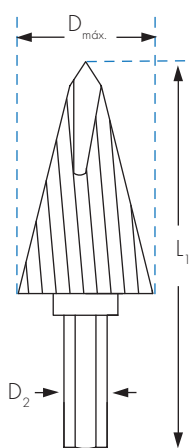
AVC30						
	D mín. mm	D máx. mm	D2 mm	L1 mm	HSSCo €	TiN €
AVC30BM0B	3,0	14,0	6,0	58	36,17	47,25
AVC30BM1B	6,0	20,0	8,0	63	47,96	72,84
AVC30BM2B	16,0	30,0	10,0	79	79,14	105,51
AVC30BM3B	26,0	40,0	13,0	86	205,91	222,21

BROCAS AVELLANADORAS PARA CHAPA HSS CARACTERISTICAS ESPECIALES

HSS

Ref. AG

Broca-avellanadora para cortar tubo y chapa de acero y aleaciones ligeras, materiales plásticos. Indicado hasta 5 mm de profundidad.



FRESA PARA TUBO Y CHAPA

	D_máx. mm	D_2 mm	L_1 mm	Nº dientes	AG	
					HSS	€
AG2500	25,0	8,0	72	20		27,59
AG3200	32,0	10,0	81	30		41,43
AG4500	45,0	10,0	94	36		68,43

HSS

Ref. AV31



TOPE DE PROFUNDIDAD

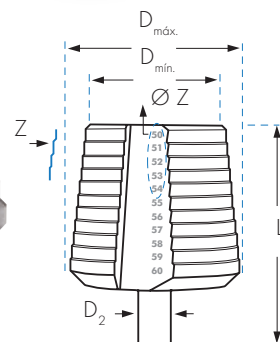
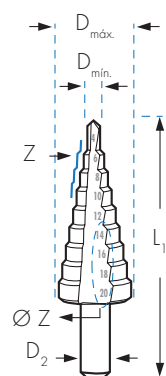
	D_mín. mm	D_máx. mm	D_2 mm	L_1 mm	AV31	
					HSS	TiN
					€	€
AV31BM0B	3,0	7,8	6,0	48	31,32	47,40
AV31BM1B	3,0	10,2	6,0	52	41,13	64,48
AV31BM2B	3,0	11,8	6,0	56	45,77	80,88

BROCAS ESCALONADAS DE CANALES RECTOS HSS

HSS

Ø ≥ 3

Ref. AV40



BM1

BM2

BM3

BM4

BM5

Ref. AV40BM25 / 26 / 27 / 28 / 29

AV40

	D min. mm	D max. mm	D2 mm	L1 mm	Z	Ø Z mm menor-mayor	HSS €	TiN €
AV40BM1B	4,0	12,0	6,0	65	5	4-6-8-10-12	40,72	62,38
AV40BM2B	4,0	12,0	6,0	65	9	4-5-6-7-8-9-10-11-12	40,55	62,74
AV40BM3B	4,0	20,0	8,0	69	9	4-6-8-10-12-14-16-18-20	51,99	80,08
AV40BM4B	4,0	30,0	10,0	96	14	4-6-8-10-12-14-16-18-20-22-24-26-28-30	85,28	130,00
AV40BM14	4,0	39,0	10,0	107	13	4-6-9-12-15-18-21-24-27-30-33-36-39	211,59	326,75
AV40BM16B	5,0	28,0	10,0	69	7	5-8-8-11,8-15,3-19-24,5-28	98,15	154,46
AV40BM35B	5,0	35,0	13,0	80	13	5-7-10-12-15-17-20-22-25-27-30-32-35	127,06	184,74
AV40BM11B	6,0	25,0	10,0	65	7	6-9-12-16-20-22,50-25	80,15	114,77
AV40BM10B	6,0	26,7	10,0	75	8	6-9-11,40-14-17,25-19-21,25-26,75	156,05	245,56
AV40BM17B	6,0	30,5	10,0	80	9	6-9-12,5-15,2-18,6-20,4-22,5-28,3-30,5	165,68	260,71
AV40BM12B	6,0	32,0	10,0	75	9	6-9-12-16-20-22,5-25-28,5-32	113,12	154,64
AV40BM18B	6,0	37,0	10,0	100	12	6-9-12,5-15,2-18,6-20,4-22,5-26-28,3-30,5-34-37	184,13	285,40
AV40BM5B	6,0	38,0	10,0	96	12	6-9-13-16-19-21-23-26-29-32-35-38	198,66	284,04
AV40BM13	6,0	40,0	13,0	105	16	6-11-17-23-29-30-31-32-33-34-35-36-37-38-39-40	273,95	336,61
AV40BM15B	6,5	32,5	10,0	79	9	6,50-8,50-10,50-12,50-16,50-20,50-25,50-29-32,50	130,97	183,55
AV40BM20	6,5	40,5	10,0	96	11	6,50-8,50-10,50-12,50-16,50-20,50-25,50-29-32,50-36,50-40,50	205,33	323,12
AV40BM21B	7,0	20,0	10,0	80	12	7-10-11-12-13-14-15-16-17-18-19-20	82,16	129,28
AV40BM22B	10,0	30,0	13,0	83	12	10-20-21-22-23-24-25-26-27-28-29-30	128,60	201,76
AV40BM25B	12,0	20,0	8,0	66	9	12-13-14-15-16-17-18-19-20	76,17	101,95
AV40BM26B	20,0	30,0	10,0	78	11	20-21-22-23-24-25-26-27-28-29-30	111,12	156,53
AV40BM27	30,0	40,0	10,0	78	11	30-31-32-33-34-35-36-37-38-39-40	166,43	214,27
AV40BM28	40,0	50,0	13,0	85	11	40-41-42-43-44-45-46-47-48-49-50	237,92	331,60
AV40BM29	50,0	60,0	13,0	85	11	50-51-52-53-54-55-56-57-58-59-60	299,78	372,38

PARA PASAR TUBERÍAS ROSCA GAS

AV40BM6B	6,0	32,0	10,0	75	8	6-9-11,20(1/8)-14,50(1/4)-18,20(3/8)-22,30(1/2)-27,90(3/4)-32	117,36	160,88
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PARA REMACHES CIEGOS M3 - M4 - M5 - M6 Y M7

AV40BM7B	4,8	10,6	6,0	54	5	4,80-6,40-7,20-9,60-10,65	38,24	54,56
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PARA CONDUCCIONES ELÉCTRICAS (ANTIGUA Y NUEVA NORMA)

AV40PG21B	PG7	PG21	13,0	70	11	6,5-8,5-10,5-12,5(PG7)-15,2(PG9)-18,6(PG11) 20,4(PG13,5)-22,5(PG16)-25,5-18,3(PG21)-30,5	129,23	182,70
AV40PG29B	PG7	PG29	13,0	81	14	6,5-9-11-12,5(PG7)-15,2(PG9)-18,6(PG11)-20,4(PG13,5) 22,5(PG16)-26-28,3(PG21)-30,5-33-35-37(PG29)	166,95	234,20
AV40BM8B	8,5	32,5	10,0	70	12	8,5-10,5-12,5-14,5-16,5-18,5-20,5-23,5-25,5 28-30,5-32,5	97,97	150,64
AV40BM9B	8,5	40,5	12,0	84	16	8,5-10,5-12,5-14,5-16,5-18,5-20,5-23,5-25,5 28-30,5-32,5-34,5-36,5-38,5-40,5	143,69	224,93

BROCAS ESCALONADAS DE CANALES RECTOS HSSCo



AVC40							
	D mín. mm	D máx. mm	D ₂ mm	L ₁ mm	Z	Ø Z mm menor-mayor	
AVC40BM1B	4,0	12,0	6,0	65	5	4-6-8-10-12	HSSCo € 62,60
AVC40BM2B	4,0	12,0	6,0	65	9	4-5-6-7-8-9-10-11-12	TiN € 90,33
AVC40BM3B	4,0	20,0	8,0	69	9	4-6-8-10-12-14-16-18-20	€ 66,10
AVC40BM4B	4,0	30,0	10,0	96	14	4-6-8-10-12-14-16-18-20-22-24-26-28-30	€ 99,91
AVC40BM18B	6,0	37,0	10,0	100	12	6-9-12,5-15,2-18,6-20,4-22,5-26-28,3-30,5-34-37	€ 123,61
							€ 143,70
							€ 257,43
							€ 325,55

BROCAS ESCALONADAS DE CANALES HELICOIDALES HSS



Ref. AV42



AV42							
	D mín. mm	D máx. mm	D ₂ mm	L ₁ mm	Z	Ø Z mm menor-mayor	
AV42BM1B	4,0	12,0	6,0	65	5	4-6-8-10-12	HSS € 53,78
AV42BM2B	4,0	12,0	6,0	68	9	4-5-6-7-8-9-10-11-12	TiN € 72,73
AV42BM3B	4,0	20,0	8,0	69	9	4-6-8-10-12-14-16-18-20	€ 55,63
AV42BM4B	4,0	30,0	10,0	96	14	4-6-8-10-12-14-16-18-20-22-24-26-28-30	€ 74,20
AV42BM5B	6,0	38,0	10,0	96	12	6-9-13-16-19-21-23-26-29-32-35-38	€ 105,89
AV42BM11B	6,0	25,0	10,0	65	7	6-9-12-16-20-22,50-25	€ 230,22
AV42BM12B	6,0	32,0	10,0	75	9	6-9-12-16-20-22,5-25-28,5-32	€ 300,73
AV42BM13	6,0	40,0	13,0	105	16	6-11-17-23-29-30-31-32-33-34-35-36-37-38-39-40	€ 124,60
AV42BM8B	8,5	32,5	10,0	70	12	8,5-10,5-12,5-14,5-16,5-18,5-20,5-23,5 25,5-28-30,5-32,5	€ 156,30
AV42BM9B	8,5	40,5	12,0	84	16	8,5-10,5-12,5-14,5-16,5-18,5-20,5-23,5 25,5-28-30,5-32,5-34,5-36,5-38,5-40,5	€ 275,03
							€ 125,76
							€ 162,53
							€ 197,76
							€ 240,53

BROCAS ESCALONADAS HSS CARACTERÍSTICAS ESPECIALES

HSS

MANGO HEXAGONAL 1/4"

	D mín. mm	D máx. mm		L1 mm	Z	Ø Z mm menor-mayor	AV41	
							HSS €	TiN €
AV41BM2B	4,0	12,0	1/4"	72	9	4-5-6-7-8-9-10-11-12	89,48	110,95
AV41BM3B	4,0	20,0	1/4"	81	9	4-6-8-10-12-14-16-18-20	118,29	146,71
AV41BM4B	4,0	30,0	1/4"	105	14	4-6-8-10-12-14-16-18-20-22-24-26-28-30	140,21	168,90



Ref. AV41BM2B

SERIE CORTA Máximo 2 mm de espesor

	D mín. mm	D máx. mm	D2 mm	L1 mm	Z	Ø Z mm menor-mayor	AV41C	
							HSS €	TiN €
AV41CBM2B	4,0	12,0	6,0	48	9	4-5-6-7-8-9-10-11-12	63,67	85,46
AV41CBM3B	4,0	20,0	8,0	58	9	4-6-8-10-12-14-16-18-20	79,05	110,45
AV41CBM4B	4,0	30,0	10,0	72	14	4-6-8-10-12-14-16-18-20-22-24-26-28-30	128,87	198,42



Ref. AV41CBM3B

ATORNILLAMIENTOS MÉTRICOS DE CABLE

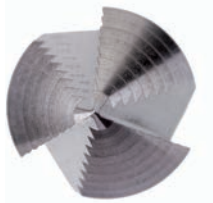
	DIN	D mín. mm	D máx. mm	D2 mm	L1 mm	Z	Ø Z mm menor-mayor	AV45	
								HSS €	TiN €
AV45BM0B	60423	5,3	30,5	10,0	79	9	5,3-7-9-10,5-14,5-18,5-23,5-27-30,5	175,67	226,53
AV45BM2B	60423	5,3	38,5	10,0	96	11	5,3-7-9-10,5-14,5-18,5-23,5-27-30,5-34,5-38,5	211,25	266,90



Ref. AV45BM2B

ESCALONADA RECTA CON 3 CORTES

	D mín. mm	D máx. mm	D2 mm	L1 mm	Z	Ø Z mm menor-mayor	AV43	
							HSS €	TiN €
AV43BM1B	4,0	12,0	6,0	65	9	4-5-6-7-8-9-10-11-12	76,74	100,41
AV43BM2B	4,0	20,0	8,0	75	9	4-6-8-10-12-14-16-18-20	105,21	163,02
AV43BM3B	4,0	30,0	10,0	100	14	4-6-8-10-12-14-16-18-20-22-24-26-28-30	154,68	252,99



Ref. AV43BM3B

BROCA ESCALONADA CON BROCA GUÍA INTERCAMBIABLE

	D mín. mm	D máx. mm	D2 mm	L1 mm	Z	Ø Z mm menor-mayor	AV4	
							HSS €	
AV4BM3040	30,0	40,0	13,0	76	11	30-31-32-33-34-35-36-37-38-39-40	161,00	
AV4BM4050	40,0	50,0	13,0	76	11	40-41-42-43-44-45-46-47-48-49-50	232,54	
AV4BM5060	50,0	60,0	13,0	76	11	50-51-52-53-54-55-56-57-58-59-60	295,19	



Ref. AV4BM3040

BROCA GUÍA



BAV4BM		
	DESCRIPCIÓN	€
BAV4BM	10X35mm	10,42