

TAFS, TAFM, TAFL

BROCAS CON PLACAS INTERCAMBIABLES
BAJO NIVEL DE RUIDO AL TALADRAR Y CUERPO
RESISTENTE



*M*plus...

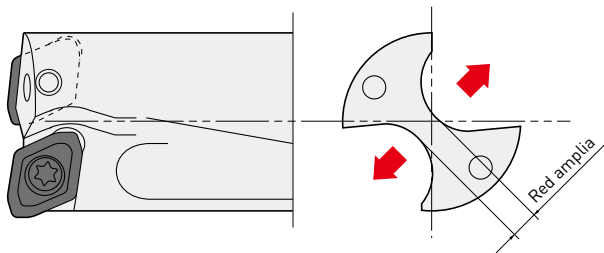
TAFS, TAFM, TAFL

BROCAS CON PLACAS INTERCAMBIABLES

CARACTERÍSTICAS

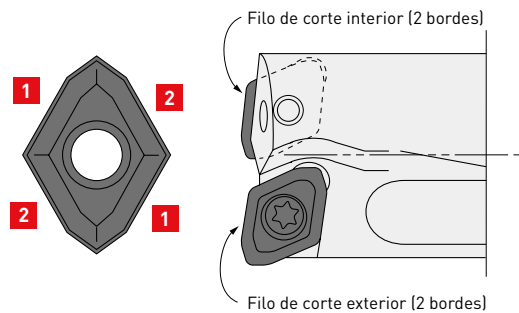
Cuerpo resistente

- El diseño amplio reduce las vibraciones.
- Bajo ruido de corte.
- Alta rigidez del asiento de la placa, para una fijación más fiable.



Placa económica

- Uso económico de los cuatro filos.



1 Filo interior

2 Filo exterior



TAFS, TAFM, TAFL

PRUEBAS DE CORTE

GEOMETRÍA VIRUTA

Rompevirutas U1

Material	Acero dulce
Diámetro de la broca (mm)	Ø 25
Vc (m/min)	200
f (mm/rev.)	0.10



Rompevirutas U2

Material	DIN X5CrNi189
Diámetro de la broca (mm)	Ø 25
Vc (m/min)	150
f (mm/rev.)	0.10



Rompevirutas U3

Material	DIN Ck45
Diámetro de la broca (mm)	Ø 25
Vc (m/min)	150
f (mm/rev.)	0.14



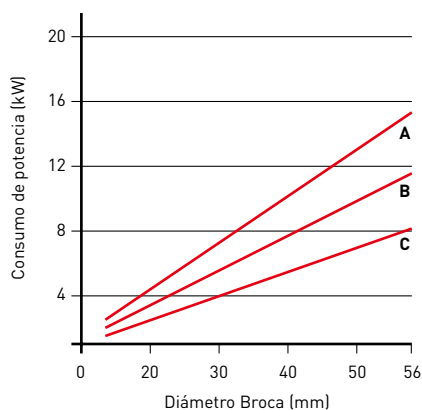
Rompevirutas U3

Material	DIN 42CrMo4
Diámetro de la broca (mm)	Ø 25
Vc (m/min)	150
f (mm/rev.)	0.12

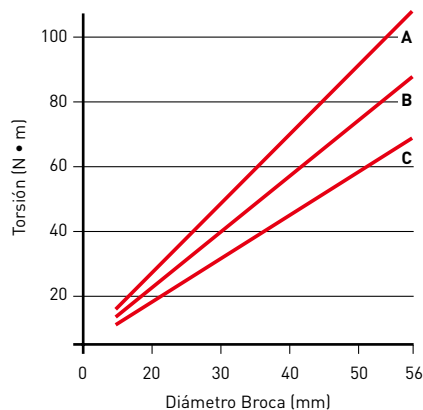


RESISTENCIA DE CORTE

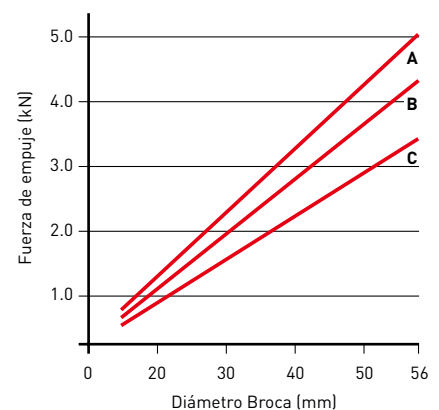
CONSUMO DE POTENCIA



TORSIÓN



FUERZA DE EMPUJE

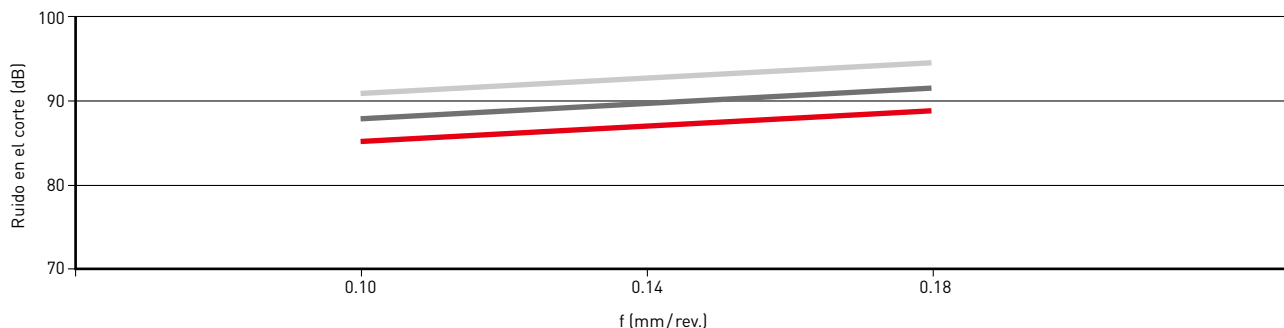


Material: DIN X5CrNi189 (220HB) Velocidad de corte: 150 m/min Placa: Rompevirutas U2

A: f = 0.15 mm/rev. B: f = 0.1 mm/rev. C: f = 0.06 mm/rev.

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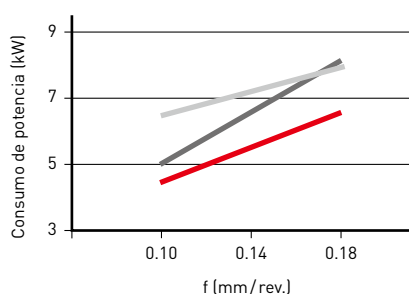
RUIDO EN EL CORTE



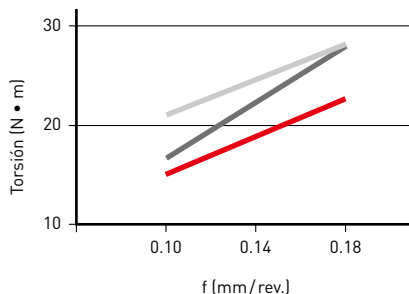
Material: DIN 42CrMo4 (200 – 220 HB) Diámetro Broca (mm): Ø 25 Velocidad de corte: 150 m/min Placa: Rompevirutas U2

RESISTENCIA DE CORTE

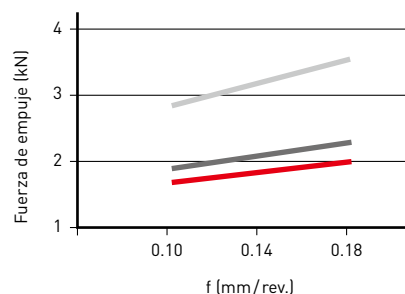
CONSUMO DE POTENCIA



TORSIÓN



FUERZA DE EMPUJE



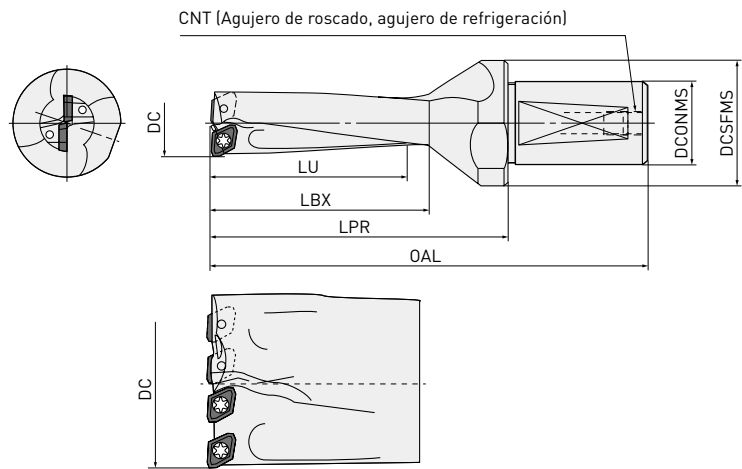
Material: DIN 42CrMo4 (200 – 220 HB) Diámetro Broca (mm): Ø 25 Velocidad de corte: 150 m/min Placa: Rompevirutas U3

IDENTIFICACIÓN

	TA	F	S	3200	F	40
Placa intercambiable de broca						
Símbolo broca TAF						
L/D: S : 2D, M : 3D, L : 4D						
Diámetro de broca: Ø 32.00						
Tipo de mango: F: tipo refr. lateral						
Diámetro mango: Ø 40						

TAFS, TAFM, TAFL

P M K



Número de dientes = 4 (DC > 49)

Referencia	Stock	DC	L/D	ZNF	LU	LBX	LPR	OAL	DCONMS	DCSFMS	CNT	Placa
TAFS1200F20	●	12.0	2	2	24	29	39	82	20	25	PT1/8	GCMT040204-U [○]
TAFM1200F20	●		3		36	41	51	94	20	25	PT1/8	
TAFL1200F20	●		4		48	53	63	106	20	25	PT1/8	
TAFS1250F20	●	12.5	2	2	25	29	39	82	20	25	PT1/8	GCMT040204-U [○]
TAFM1250F20	●		3		37.5	41	51	94	20	25	PT1/8	
TAFL1250F20	●		4		50	53	63	106	20	25	PT1/8	
TAFS1300F20	●	13.0	2	2	26	31	41	84	20	25	PT1/8	GCMT040204-U [○]
TAFM1300F20	●		3		39	44	54	97	20	25	PT1/8	
TAFL1300F20	●		4		52	57	67	110	20	25	PT1/8	
TAFS1350F20	●	13.5	2	2	27	31	41	84	20	25	PT1/8	GCMT040204-U [○]
TAFM1350F20	●		3		40.5	44	54	97	20	25	PT1/8	
TAFL1350F20	●		4		54	57	67	110	20	25	PT1/8	
TAFS1400F20	●	14.0	2	2	28	33	43	86	20	25	PT1/8	GCMT040204-U [○]
TAFM1400F20	●		3		42	47	57	100	20	25	PT1/8	
TAFL1400F20	●		4		56	61	71	114	20	25	PT1/8	
TAFS1450F20	●	14.5	2	2	29	33	43	86	20	25	PT1/8	GCMT040204-U [○]
TAFM1450F20	●		3		43.5	47	57	100	20	25	PT1/8	
TAFL1450F20	●		4		58	61	71	114	20	25	PT1/8	
TAFS1500F20	●	15.0	2	2	30	35	45	88	20	25	PT1/8	GPMT060204-U [○]
TAFM1500F20	●		3		45	50	60	103	20	25	PT1/8	
TAFL1500F20	●		4		60	65	75	118	20	25	PT1/8	
TAFS1550F20	●	15.5	2	2	31	35	45	88	20	25	PT1/8	GPMT060204-U [○]
TAFM1550F20	●		3		46.5	50	60	103	20	25	PT1/8	
TAFL1550F20	●		4		62	65	75	118	20	25	PT1/8	
TAFS1600F25	●	16.0	2	2	32	38	57	107	25	35	PT1/8	GPMT060204-U [○]
TAFM1600F25	●		3		48	54	73	123	25	35	PT1/8	
TAFL1600F25	●		4		64	70	89	139	25	35	PT1/8	
TAFS1650F25	●	16.5	2	2	33	38	57	107	25	35	PT1/8	GPMT060204-U [○]
TAFM1650F25	●		3		49.5	54	73	123	25	35	PT1/8	

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TAFS, TAFM, TAFL

Referencia	Stock	DC	L/D	ZNF	LU	LBX	LPR	OAL	DCONMS	DCSFMX	CNT	Placa
TAFS1700F25	●	17.0	2	2	34	41	59	109	25	35	PT1/8	GPMT060204-U○
TAFM1700F25	●		3		51	58	76	126	25	35	PT1/8	
TAFL1700F25	●		4		68	75	93	143	25	35	PT1/8	
TAFS1750F25	●	17.5	2	2	35	41	59	109	25	35	PT1/8	GPMT060204-U○
TAFM1750F25	●		3		52.5	58	76	126	25	35	PT1/8	
TAFL1750F25	●		4		70	75	93	143	25	35	PT1/8	
TAFS1800F25	●	18.0	2	2	36	43	61	111	25	35	PT1/8	GPMT070204-U○
TAFM1800F25	●		3		54	61	79	129	25	35	PT1/8	
TAFL1800F25	●		4		72	79	97	147	25	35	PT1/8	
TAFS1850F25	●	18.5	2	2	37	43	61	111	25	35	PT1/8	GPMT070204-U○
TAFM1850F25	●		3		55.5	61	79	129	25	35	PT1/8	
TAFS1900F25	●	19.0	2	2	38	46	63	113	25	35	PT1/8	GPMT070204-U○
TAFM1900F25	●		3		57	65	82	132	25	35	PT1/8	
TAFL1900F25	●		4		76	84	101	151	25	35	PT1/8	
TAFS1950F25	●	19.5	2	2	39	46	63	113	25	35	PT1/8	GPMT070204-U○
TAFM1950F25	●		3		58.5	65	82	132	25	35	PT1/8	
TAFS2000F25	●	20.0	2	2	40	48	65	115	25	35	PT1/8	GPMT070204-U○
TAFM2000F25	●		3		60	68	85	135	25	35	PT1/8	
TAFL2000F25	●		4		80	88	105	155	25	35	PT1/8	
TAFS2050F25	●	20.5	2	2	41	48	65	115	25	35	PT1/8	GPMT070204-U○
TAFM2050F25	●		3		61.5	68	85	135	25	35	PT1/8	
TAFS2100F25	●	21.0	2	2	42	50	67	117	25	35	PT1/8	GPMT070204-U○
TAFM2100F25	●		3		63	71	88	138	25	35	PT1/8	
TAFL2100F25	●		4		84	92	109	159	25	35	PT1/8	
TAFS2150F25	●	21.5	2	2	43	50	67	117	25	35	PT1/8	GPMT070204-U○
TAFM2150F25	●		3		64.5	71	88	138	25	35	PT1/8	
TAFS2200F25	●	22.0	2	2	44	53	69	119	25	35	PT1/8	GPMT070204-U○
TAFM2200F25	●		3		66	75	91	141	25	35	PT1/8	
TAFL2200F25	●		4		88	97	113	163	25	35	PT1/8	
TAFS2250F25	●	22.5	2	2	45	53	69	119	25	35	PT1/8	GPMT070204-U○
TAFM2250F25	●		3		67.5	75	91	141	25	35	PT1/8	
TAFS2300F25	●	23.0	2	2	46	55	71	121	25	35	PT1/8	GPMT090304-U○
TAFM2300F25	●		3		69	78	94	144	25	35	PT1/8	
TAFL2300F25	●		4		92	101	117	167	25	35	PT1/8	
TAFS2350F25	●	23.5	2	2	47	55	71	121	25	35	PT1/8	GPMT090304-U○
TAFM2350F25	●		3		70.5	78	94	144	25	35	PT1/8	
TAFL2350F25	●		4		94	101	117	167	25	35	PT1/8	
TAFS2400F25	●	24.0	2	2	48	58	73	123	25	35	PT1/8	GPMT090304-U○
TAFM2400F25	●		3		72	82	97	147	25	35	PT1/8	
TAFL2400F25	●		4		96	106	121	171	25	35	PT1/8	
TAFS2450F25	●	24.5	2	2	49	58	73	123	25	35	PT1/8	GPMT090304-U○
TAFM2450F25	●		3		73.5	82	97	147	25	35	PT1/8	
TAFS2500F32	●	25.0	2	2	50	60	75	130	32	42	PT1/8	GPMT090304-U○
TAFM2500F32	●		3		75	85	100	155	32	42	PT1/8	
TAFL2500F25	●		4		100	110	125	180	25	35	PT1/8	
TAFL2500F32	●		4		100	110	125	180	32	42	PT1/8	
TAFS2550F32	●	25.5	2	2	51	60	75	130	32	42	PT1/8	GPMT090304-U○
TAFM2550F32	●		3		76.5	85	100	155	32	42	PT1/8	
TAFS2600F32	●	26.0	2	2	52	62	77	132	32	42	PT1/8	GPMT090304-U○
TAFM2600F32	●		3		78	88	103	158	32	42	PT1/8	
TAFL2600F32	●		4		104	114	129	184	32	42	PT1/8	

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TAFS, TAFM, TAFL

Referencia	Stock	DC	L/D	ZNF	LU	LBX	LPR	OAL	DCONMS	DCSFMX	CNT	Placa
TAFS2650F32	●	26.5	2	2	53	62	77	132	32	42	PT1/8	GPMT090304-U○
TAFM2650F32	●		3		79.5	88	103	158	32	42	PT1/8	
TAFL2650F32	●		4		106	114	129	184	32	42	PT1/8	
TAFS2700F32	●	27.0	2	2	54	65	79	134	32	42	PT1/8	GPMT090304-U○
TAFM2700F32	●		3		81	92	106	161	32	42	PT1/8	
TAFL2700F32	●		4		108	119	133	188	32	42	PT1/8	
TAFS2750F32	●	27.5	2	2	55	65	79	134	32	42	PT1/8	GPMT090304-U○
TAFM2750F32	●		3		82.5	92	106	161	32	42	PT1/8	
TAFS2800F32	●		2		56	67	81	136	32	42	PT1/8	
TAFM2800F32	●	28.0	3	2	84	95	109	164	32	42	PT1/8	GPMT11T308-U○
TAFL2800F32	●		4		112	123	137	192	32	42	PT1/8	
TAFS2850F32	●		2		57	67	81	136	32	42	PT1/8	
TAFM2850F32	●	28.5	3	2	85.5	95	109	164	32	42	PT1/8	GPMT11T308-U○
TAFL2850F40	●		4		114	123	137	202	40	50	PT1/8	
TAFS2900F32	●		2		58	70	83	138	32	42	PT1/8	
TAFM2900F32	●	29.0	3	2	87	99	112	167	32	42	PT1/8	GPMT11T308-U○
TAFL2900F32	●		4		116	128	141	196	32	42	PT1/8	
TAFS2950F32	●		2		59	70	83	138	32	42	PT1/8	
TAFM2950F32	●	29.5	3	2	88.5	99	112	167	32	42	PT1/8	GPMT11T308-U○
TAFS3000F32	●		2		60	72	90	145	32	50	PT1/8	
TAFS3000F40	●		2		60	72	90	155	40	50	PT1/4	
TAFM3000F32	●	30.0	3	2	90	102	120	175	32	50	PT1/8	GPMT11T308-U○
TAFM3000F40	●		3		90	102	120	185	40	50	PT1/4	
TAFL3000F32	●		4		120	132	150	205	32	42	PT1/8	
TAFL3000F40	●	30.5	4		120	132	150	215	40	50	PT1/4	
TAFS3050F40	●		2	2	61	72	90	155	40	50	PT1/4	GPMT11T308-U○
TAFM3050F40	●		3		91.5	102	120	185	40	50	PT1/4	
TAFS3100F32	●	31.0	2		62	74	92	147	32	50	PT1/8	
TAFS3100F40	●		2		62	74	92	157	40	50	PT1/4	
TAFM3100F32	●		3	2	93	105	123	178	32	50	PT1/8	GPMT11T308-U○
TAFM3100F40	●	31.0	3		93	105	123	188	40	50	PT1/4	
TAFL3100F32	●		4		124	135	154	209	32	42	PT1/8	
TAFL3100F40	●	32.0	4		124	136	154	219	40	50	PT1/4	
TAFS3200F32	●		2	2	64	77	94	149	32	50	PT1/8	GPMT11T308-U○
TAFS3200F40	●		2		64	77	94	159	40	50	PT1/4	
TAFM3200F32	●	32.0	3		96	109	126	181	32	50	PT1/8	
TAFM3200F40	●		3		96	109	126	191	40	50	PT1/4	
TAFL3200F32	●		4	2	128	141	158	213	32	42	PT1/8	GPMT11T308-U○
TAFL3200F40	●	33.0	4		128	141	158	223	40	50	PT1/4	
TAFS3300F32	●		2		66	79	96	151	32	50	PT1/8	
TAFS3300F40	●	33.0	2	2	66	79	96	161	40	50	PT1/4	GPMT11T308-U○
TAFM3300F32	●		3		99	112	129	184	32	50	PT1/8	
TAFM3300F40	●		3		99	112	129	194	40	50	PT1/4	
TAFL3300F32	●	34.0	4	2	132	145	162	217	32	42	PT1/8	GPMT11T308-U○
TAFL3300F40	●		4		132	145	162	227	40	50	PT1/4	
TAFS3400F32	●		2		68	82	98	153	32	50	PT1/8	
TAFS3400F40	●	34.0	2	2	68	82	98	163	40	50	PT1/4	GPMT11T308-U○
TAFM3400F32	●		3		102	116	132	187	32	50	PT1/8	
TAFM3400F40	●		3		102	116	132	197	40	50	PT1/4	
TAFL3400F32	●	34.0	4	2	136	150	166	231	32	42	PT1/8	GPMT11T308-U○
TAFL3400F40	●		4		136	150	166	231	40	50	PT1/4	

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TAFS, TAFM, TAFL

Referencia	Stock	DC	L/D	ZNF	LU	LBX	LPR	OAL	DCONMS	DCSFMX	CNT	Placa
TAFS3500F32	●	35.0	2	2	70	84	100	155	32	50	PT1/8	GPMT140408-U○
TAFS3500F40	●		2		70	84	100	165	40	50	PT1/4	
TAFM3500F32	●		3		105	119	135	190	32	50	PT1/8	
TAFM3500F40	●		3		105	119	135	200	40	50	PT1/4	
TAFL3500F32	●		4		140	154	170	235	32	42	PT1/8	
TAFL3500F40	●		4		140	154	170	235	40	50	PT1/4	
TAFS3600F32	□	36.0	2	2	72	86	102	157	32	50	PT1/8	GPMT140408-U○
TAFS3600F40	□		2		72	86	102	167	40	50	PT1/4	
TAFM3600F32	□		3		108	122	138	193	32	50	PT1/8	
TAFM3600F40	□		3		108	122	138	203	40	50	PT1/4	
TAFL3600F32	□		4		144	158	174	229	32	42	PT1/8	
TAFL3600F40	□		4		144	158	174	239	40	50	PT1/4	
TAFS3700F32	□	37.0	2	2	74	89	104	159	32	50	PT1/8	GPMT140408-U○
TAFS3700F40	□		2		74	89	104	169	40	50	PT1/4	
TAFM3700F32	□		3		111	126	141	196	32	50	PT1/8	
TAFM3700F40	□		3		111	126	141	206	40	50	PT1/4	
TAFL3700F32	□		4		148	163	178	233	32	42	PT1/8	
TAFL3700F40	□		4		148	163	178	243	40	50	PT1/4	
TAFS3750F32	□	37.5	2	2	75	89	104	159	32	50	PT1/8	GPMT140408-U○
TAFS3750F40	□		2		75	89	104	169	40	50	PT1/4	
TAFM3750F32	□		3		112.5	126	141	196	32	50	PT1/8	
TAFM3750F40	□		3		112.5	126	141	206	40	50	PT1/4	
TAFL3750F32	□		4		150	163	178	233	32	42	PT1/8	
TAFL3750F40	□		4		150	163	178	243	40	50	PT1/4	
TAFS3800F32	□	38.0	2	2	76	91	106	161	32	50	PT1/8	GPMT140408-U○
TAFS3800F40	□		2		76	91	106	171	40	50	PT1/4	
TAFM3800F32	□		3		114	129	144	199	32	50	PT1/8	
TAFM3800F40	□		3		114	129	144	209	40	50	PT1/4	
TAFL3800F32	□		4		152	167	182	247	32	42	PT1/8	
TAFL3800F40	□		4		152	167	182	247	40	50	PT1/4	
TAFS3900F32	□	39.0	2	2	78	94	108	163	32	50	PT1/8	GPMT140408-U○
TAFS3900F40	□		2		78	94	108	173	40	50	PT1/4	
TAFM3900F32	□		3		117	133	147	202	32	50	PT1/8	
TAFM3900F40	□		3		117	133	147	212	40	50	PT1/4	
TAFL3900F32	□		4		156	172	186	251	32	42	PT1/8	
TAFL3900F40	□		4		156	172	186	251	40	50	PT1/4	
TAFS4000F32	□	40.0	2	2	80	96	110	165	32	50	PT1/8	GPMT140408-U○
TAFS4000F40	□		2		80	96	110	175	40	50	PT1/4	
TAFM4000F32	□		3		120	136	150	205	32	50	PT1/8	
TAFM4000F40	□		3		120	136	150	215	40	50	PT1/4	
TAFL4000F32	□		4		160	176	190	245	32	42	PT1/8	
TAFL4000F40	□		4		160	176	190	255	40	50	PT1/4	
TAFS4100F40	□	41.0	2	2	82	98	112	177	40	50	PT1/4	GPMT140408-U○
TAFM4100F40	□		3		123	139	153	218	40	50	PT1/4	
TAFL4100F40	□		4		164	180	194	259	40	50	PT1/4	
TAFS4200F40	□	42.0	2	2	84	101	114	179	40	50	PT1/4	GPMT140408-U○
TAFM4200F40	□		3		126	143	156	221	40	50	PT1/4	
TAFL4200F40	□		4		168	185	198	263	40	50	PT1/4	
TAFS4300F40	□	43.0	2	2	86	103	116	181	40	50	PT1/4	GPMT140408-U○
TAFM4300F40	□		3		129	146	159	224	40	50	PT1/4	
TAFL4300F40	□		4		172	189	202	267	40	50	PT1/4	

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TAFS, TAFM, TAFL

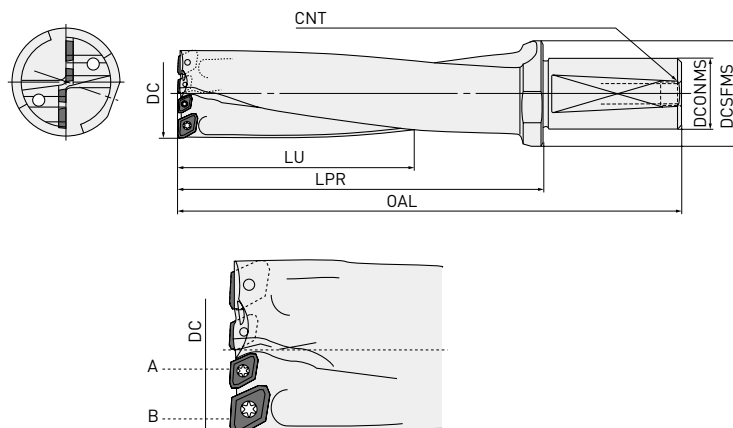
Referencia	Stock	DC	L/D	ZNF	LU	LBX	LPR	OAL	DCONMS	DCSFMX	CNT	Placa
TAFS4400F40	☐		2		88	106	118	183	40	50	PT1/4	GPMT140408-U○
TAFM4400F40	☐	44.0	3	2	132	150	162	227	40	50	PT1/4	
TAFL4400F40	☐		4		176	194	206	271	40	50	PT1/4	
TAFS4500F40	☐		2		90	108	120	185	40	54	PT1/4	GPMT140408-U○
TAFM4500F40	☐	45.0	3	2	135	153	165	230	40	54	PT1/4	
TAFL4500F40	☐		4		180	198	210	275	40	54	PT1/4	
TAFS4600F40	☐		2		92	110	122	187	40	54	PT1/4	GPMT140408-U○
TAFM4600F40	☐	46.0	3	2	138	156	168	233	40	54	PT1/4	
TAFL4600F40	☐		4		184	202	214	279	40	54	PT1/4	
TAFS4700F40	☐		2		94	113	124	189	40	54	PT1/4	GPMT140408-U○
TAFM4700F40	☐	47.0	3	2	141	160	171	236	40	54	PT1/4	
TAFL4700F40	☐		4		188	207	218	283	40	54	PT1/4	
TAFS4800F40	☐		2		96	115	126	191	40	54	PT1/4	GPMT140408-U○
TAFM4800F40	☐	48.0	3	2	144	163	174	239	40	54	PT1/4	
TAFL4800F40	☐		4		192	211	222	287	40	54	PT1/4	
TAFS4900F40	☐		2		98	118	133	198	40	58	PT1/4	GPMT090304-U○
TAFM4900F40	☐	49.0	3	4	147	167	182	247	40	58	PT1/4	
TAFL4900F40	☐		4		196	216	231	296	40	58	PT1/4	
TAFS5000F40	☐		2		100	120	135	200	40	58	PT1/4	GPMT090304-U○
TAFM5000F40	☐	50.0	3	4	150	170	185	250	40	58	PT1/4	
TAFL5000F40	☐		4		200	220	235	300	40	58	PT1/4	
TAFS5100F40	☐		2		102	122	137	202	40	58	PT1/4	GPMT090304-U○
TAFM5100F40	☐	51.0	3	4	153	173	188	253	40	58	PT1/4	
TAFL5100F40	☐		4		204	224	239	304	40	58	PT1/4	
TAFS5200F40	☐		2		104	125	139	204	40	58	PT1/4	GPMT090304-U○
TAFM5200F40	☐	52.0	3	4	156	177	191	256	40	58	PT1/4	
TAFL5200F40	☐		4		208	229	243	308	40	58	PT1/4	
TAFS5300F40	☐		2		106	127	141	206	40	63	PT1/4	GPMT090304-U○
TAFM5300F40	☐	53.0	3	4	159	180	194	259	40	63	PT1/4	
TAFL5300F40	☐		4		212	233	247	312	40	63	PT1/4	
TAFS5400F40	☐		2		108	128	143	208	40	63	PT1/4	GPMT090304-U○
TAFM5400F40	☐	54.0	3	4	162	182	197	262	40	63	PT1/4	
TAFL5400F40	☐		4		216	236	251	316	40	63	PT1/4	
TAFS5500F40	☐		2		110	130	145	210	40	63	PT1/4	GPMT090304-U○
TAFM5500F40	☐	55.0	3	4	165	185	200	265	40	63	PT1/4	
TAFL5500F40	☐		4		220	240	255	320	40	63	PT1/4	
TAFS5600F40	☐		2		112	132	147	212	40	63	PT1/4	GPMT090304-U○
TAFM5600F40	☐	56.0	3	4	168	188	203	268	40	63	PT1/4	
TAFL5600F40	☐		4		224	244	259	324	40	63	PT1/4	

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TAFS, TAFM, TAFL

TIPO DE MAYOR RIGIDEZ

P M K



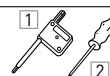
Referencia	Stock	DC	L/D	ZNF	DCONMS	DCSFMS	CNT	OAL	LPR	LU	Tipo interior/ exterior	Placa
TAFS5000F40-E	□	50.0	2	4	40	58	PT1/4	200	135	120	A	GPMT090304-U
											B	GPMT11T308-U
TAFM5000F40-E	□		3	4	40	58	PT1/4	250	185	170	A	GPMT090304-U
											B	GPMT11T308-U
TAFL5000F40-E	□	51.0	4	4	40	58	PT1/4	300	235	220	A	GPMT090304-U
											B	GPMT11T308-U
TAFS5100F40-E	□		2	4	40	58	PT1/4	202	137	122	A	GPMT090304-U
											B	GPMT11T308-U
TAFM5100F40-E	□	52.0	3	4	40	58	PT1/4	253	188	173	A	GPMT090304-U
											B	GPMT11T308-U
TAFL5100F40-E	□		4	4	40	58	PT1/4	304	239	224	A	GPMT090304-U
											B	GPMT11T308-U
TAFS5200F40-E	□	53.0	2	4	40	58	PT1/4	204	139	125	A	GPMT090304-U
											B	GPMT11T308-U
TAFM5200F40-E	□		3	4	40	58	PT1/4	256	191	177	A	GPMT090304-U
											B	GPMT11T308-U
TAFL5200F40-E	□	54.0	4	4	40	58	PT1/4	308	243	229	A	GPMT090304-U
											B	GPMT11T308-U
TAFS5300F40-E	□		2	4	40	63	PT1/4	206	141	127	A	GPMT11T308-U
TAFM5300F40-E	□	55.0	3	4	40	63	PT1/4	259	194	180		
TAFL5300F40-E	□		4	4	40	63	PT1/4	312	247	233		
TAFS5400F40-E	□	56.0	2	4	40	63	PT1/4	208	134	128	A	GPMT11T308-U
TAFM5400F40-E	□		3	4	40	63	PT1/4	262	197	182		
TAFL5400F40-E	□		4	4	40	63	PT1/4	316	251	236		
TAFS5500F40-E	□	57.0	2	4	40	63	PT1/4	210	145	130	A	GPMT11T308-U
TAFM5500F40-E	□		3	4	40	63	PT1/4	265	200	185		
TAFL5500F40-E	□		4	4	40	63	PT1/4	320	255	240		
TAFS5600F40-E	□	58.0	2	4	40	63	PT1/4	212	147	132	A	GPMT11T308-U
TAFM5600F40-E	□		3	4	40	63	PT1/4	268	203	188		
TAFL5600F40-E	□		4	4	40	63	PT1/4	324	259	244		

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TAFS, TAFM, TAFL

PIEZAS DE REPUESTO

Tipo de portaherramientas



Tornillo de fijación

Llave

GCMT040204-U○	TS2	1 TKY06F
GPMT060204-U○	TS2	1 TKY06F
GPMT070204-U○	TS25	1 TKY08F
GPMT090304-U○	TS3	1 TKY08F
GPMT11T308-U○	TS4	2 TKY15D
GPMT140408-U○	TS5	2 TKY25D
GPMT090304-U○	TS3	1 TKY08F

PLACAS

Referencia	VP15TF	UP20M	GP20M	UE6020	US735	L	W1	IC	S	RE	Diám. broca	Forma
U1												
GCMT040204-U1	●					5.0	4.7	—	2.38	0.4	Ø 12 – 14.5	
GPMT060204-U1	●		●	●	—	—	5.56	2.38	0.4	Ø 15 – 17.5		
GPMT070204-U1	●		●	●	—	—	6.35	2.38	0.4	Ø 18 – 22.5		
GPMT090304-U1	●		●	●	—	—	7.94	3.18	0.4	Ø 23 – 27.5		
GPMT090304-U1	●		●	●	—	—	7.94	3.18	0.4	Ø 49 – 56		
GPMT11T308-U1	●		●	●	—	—	9.525	3.97	0.8	Ø 28 – 34		
GPMT140408-U1	●		●	●	—	—	12.70	4.76	0.8	Ø 35 – 48		
U2												
GCMT040204-U2	●		●			5.0	4.7	—	2.38	0.4	Ø 12 – 14.5	
GPMT060204-U2	●	●		●	●	—	—	5.56	2.38	0.4	Ø 15 – 17.5	
GPMT070204-U2	●	●		●	●	—	—	6.35	2.38	0.4	Ø 18 – 22.5	
GPMT090304-U2	●	●		●	●	—	—	7.94	3.18	0.4	Ø 23 – 27.5	
GPMT090304-U2	●	●		●	●	—	—	7.94	3.18	0.4	Ø 49 – 56	
GPMT11T308-U2	●	●		●	●	—	—	9.525	3.97	0.8	Ø 28 – 34	
GPMT140408-U2	●	●		●	●	—	—	12.70	4.76	0.8	Ø 35 – 48	
U3												
GPMT060204-U3		●		●	●	—	—	5.56	2.38	0.4	Ø 15 – 17.5	
GPMT070204-U3		●		●	●	—	—	6.35	2.38	0.4	Ø 18 – 22.5	
GPMT090304-U3		●		●	●	—	—	7.94	3.18	0.4	Ø 23 – 27.5	
GPMT090304-U3		●		●	●	—	—	7.94	3.18	0.4	Ø 49 – 56	
GPMT11T308-U3		●		●	●	—	—	9.525	3.97	0.8	Ø 28 – 34	
GPMT140408-U3		●		●	●	—	—	12.70	4.76	0.8	Ø 35 – 48	

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TAFS, TAFM, TAFL

ROMPEVIRUTAS RECOMENDADO

Material	1.ª recomendación		2.ª recomendación	
	GCMT	GPMT	GCMT	GPMT
	U1	U1	U2	U2
P Acero dulce			U2	U2
				U3
			U1	U1
				U2
M Acero inoxidable	U2	U2		U3
			U1	U1
				U3
				U2
K Fundición gris Fundición dúctil			U1	U1
	U2	U3		U2

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RECOMENDACIÓN CALIDAD DE PLACA

Material	Calidad			
	1.ª recomendación		2.ª recomendación	
	GCMT	GPMT	GCMT	GPMT
P Acero dulce			VP15TF	VP15TF
	UP20M	UP20M		
			GP20M	
				UE6020
M Acero inoxidable				US735
	VP15TF	VP15TF		
			UP20M	UP20M
	GP20M	UE6020	GP20M	VP15TF
K Fundición gris Fundición dúctil				US735
	VP15TF	VP15TF		
			UP20M	UP20M
	GP20M			UE6020
K Fundición gris Fundición dúctil				US735
	VP15TF			
			UP20M	UP20M
	GP20M			UE6020
K Fundición gris Fundición dúctil				US735
				VP15TF

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TAFS, TAFM, TAFL

CONDICIONES DE CORTE RECOMENDADAS

Material		Dureza	Vc				Vc				
			L/D = 2, 3		L/D = 4		Diám. broca				
			Ø 12 – Ø 14.5	Ø 15 –	Ø 16 –		Ø 12 – Ø 14.5	Ø 15 – Ø 22.5	Ø 23 – Ø 34	Ø 35 – Ø 48	Ø 49 – Ø 56
P	Acero dulce	≤180HB	150	200	140	U1	0.06 (0.04 – 0.10)	0.07 (0.04 – 0.10)	0.08 (0.04 – 0.10)	0.10 (0.04 – 0.12)	0.08 (0.04 – 0.10)
			(100 – 200)	(150 – 300)	(100 – 200)	U2	0.06 (0.04 – 0.10)	0.08 (0.04 – 0.12)	0.10 (0.04 – 0.12)	0.12 (0.04 – 0.14)	0.10 (0.04 – 0.12)
						U3	—	0.08 (0.04 – 0.12)	0.10 (0.04 – 0.12)	0.12 (0.04 – 0.14)	0.10 (0.04 – 0.12)
	Acero al carbono	180 – 280 HB	120	150	100	U1	0.06 (0.04 – 0.10)	0.09 (0.06 – 0.12)	0.12 (0.08 – 0.14)	0.15 (0.08 – 0.18)	0.12 (0.08 – 0.14)
			(80 – 160)	(120 – 180)	(80 – 120)	U2	0.06 (0.04 – 0.10)	0.12 (0.06 – 0.14)	0.14 (0.08 – 0.18)	0.17 (0.08 – 0.20)	0.14 (0.08 – 0.18)
						U3	—	0.12 (0.06 – 0.14)	0.14 (0.08 – 0.18)	0.17 (0.08 – 0.20)	0.14 (0.08 – 0.18)
	Acero aleado	180 – 280 HB	120	150	100	U1	0.06 (0.04 – 0.10)	0.08 (0.06 – 0.10)	0.09 (0.06 – 0.12)	0.11 (0.06 – 0.14)	0.09 (0.06 – 0.12)
			(80 – 160)	(120 – 180)	(80 – 120)	U2	0.06 (0.04 – 0.10)	0.10 (0.06 – 0.12)	0.12 (0.08 – 0.16)	0.14 (0.08 – 0.18)	0.12 (0.08 – 0.16)
						U3	—	0.10 (0.06 – 0.12)	0.12 (0.08 – 0.16)	0.14 (0.08 – 0.18)	0.12 (0.08 – 0.16)
M	Acero inoxidable	≤200HB	100	150	110	U1	0.07 (0.04 – 0.10)	0.07 (0.04 – 0.10)	0.08 (0.04 – 0.10)	0.10 (0.04 – 0.12)	0.08 (0.04 – 0.10)
			(80 – 120)	(120 – 200)	(80 – 140)	U2	0.07 (0.04 – 0.10)	0.08 (0.04 – 0.12)	0.10 (0.04 – 0.14)	0.12 (0.04 – 0.16)	0.10 (0.04 – 0.14)
						U3	—	0.08 (0.04 – 0.12)	0.10 (0.04 – 0.14)	0.12 (0.04 – 0.16)	0.10 (0.04 – 0.14)
K	Fundición	Resistencia a la tracción ≤350MPa	120	150	140	U1	0.07 (0.06 – 0.10)	0.07 (0.06 – 0.10)	0.10 (0.04 – 0.14)	0.10 (0.06 – 0.14)	0.10 (0.06 – 0.14)
			(80 – 160)	(120 – 180)	(110 – 160)	U2	0.07 (0.06 – 0.10)	0.15 (0.10 – 0.18)	0.20 (0.10 – 0.25)	0.20 (0.10 – 0.25)	0.20 (0.10 – 0.25)
						U3	—	0.15 (0.10 – 0.18)	0.20 (0.10 – 0.25)	0.20 (0.10 – 0.25)	0.20 (0.10 – 0.25)
	Fundición dúctil	Resistencia a la tracción ≤450MPa	120	150	100	U1	0.06 (0.04 – 0.10)	0.07 (0.06 – 0.10)	0.10 (0.06 – 0.14)	0.10 (0.06 – 0.14)	0.10 (0.06 – 0.14)
			(80 – 150)	(120 – 180)	(80 – 120)	U2	0.06 (0.04 – 0.10)	0.12 (0.08 – 0.14)	0.15 (0.08 – 0.20)	0.18 (0.08 – 0.20)	0.15 (0.08 – 0.20)
						U3	—	0.12 (0.08 – 0.14)	0.15 (0.08 – 0.20)	0.18 (0.08 – 0.20)	0.15 (0.08 – 0.20)

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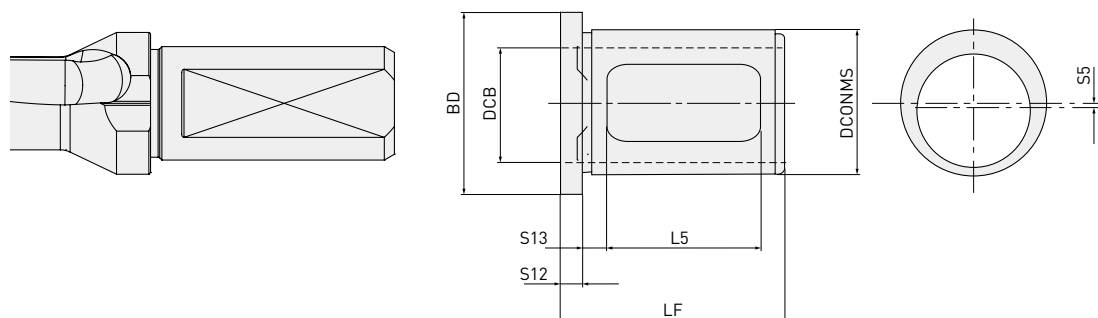
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Al utilizar brocas para l/d=4, el avance debería reducirse al 80 % de las recomendaciones previas.

TAFS, TAFM, TAFL

JUST FIT SLEEVE [JFS]

Casquillo para el mango de la broca que permite aumentar el diámetro del taladro.



Referencia	Referencia kit	Stock	DCB	DCONMS	BD	LF	L5	* Aumento (S5x2)	Apta para: Brocas de tipo TAF
JFS2520-10	JFS-1	●	20	25	33	43	30	0.1	TAFS/M/L1200F20 - TAFS/M/L1550F20
JFS2520-20		●	20	25	33	43	30	0.2	
JFS2520-30		●	20	25	33	43	30	0.3	
JFS2520-40		●	20	25	33	43	30	0.4	
JFS2520-50		●	20	25	33	43	30	0.5	
JFS3225-10	JFS-2	●	25	32	40	50	34	0.1	TAFS/M/L1600F25 - TAFS/M/L2450F25
JFS3225-20		●	25	32	40	50	34	0.2	
JFS3225-30		●	25	32	40	50	34	0.3	
JFS3225-40		●	25	32	40	50	34	0.4	
JFS3225-50		●	25	32	40	50	34	0.5	
JFS4032-10	JFS-3	●	32	40	48	55	40	0.1	TAFS/M/L2500F32 - TAFS/M/L2950F32
JFS4032-20		●	32	40	48	55	40	0.2	
JFS4032-30		●	32	40	48	55	40	0.3	
JFS4032-40		●	32	40	48	55	40	0.4	
JFS4032-50		●	32	40	48	55	40	0.5	
JFS5040-10	JFS-4	●	40	50	68	65	50	0.1	AFS/M/L2850F40 - TAFS/M/L5600F40 TAFS/M/L5000F40-E
JFS5040-20		●	40	50	68	65	50	0.2	
JFS5040-30		●	40	50	68	65	50	0.3	
JFS5040-40		●	40	50	68	65	50	0.4	
JFS5040-50		●	40	50	68	65	50	0.5	

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Aumento: Tamaño de aumento en el diámetro de corte.

TAFS, TAFM, TAFL

GUIA PARA ELEGIR JUST FIT SLEEVE

Diámt. Deseado = Broca Ø + Incremento de JFS + 0.1 mm

[Ej.] El diámetro deseado es 20.3 mm la tolerancia que tomamos es de 0.1 mm.

$$\varnothing 20.3 = (\text{TAFS/M/L2000F25} + \text{JFS3225-20}) + 0.1$$

Broca de 20 mm

Utilizando JFS un
incremento de 0.2 mm

Voladizo

Herramienta seleccionada

Broca: TAFM2000F25

Just fit sleeve (JFS): JFS3225-20

La tolerancia puede variar debido a las condiciones de corte utilizadas, por favor siga la tabla de arriba.

PEDIDOS DE JUST FIT SLEEVE

MÉTODO DE COMPRA 1

El voladizo puede variar en función de las condiciones de corte utilizadas. Por lo tanto, se recomienda comprar como un lote. Cuando haga un pedido, utilice las referencias indicadas. (5 fundas/lote)

MÉTODO DE COMPRA 2

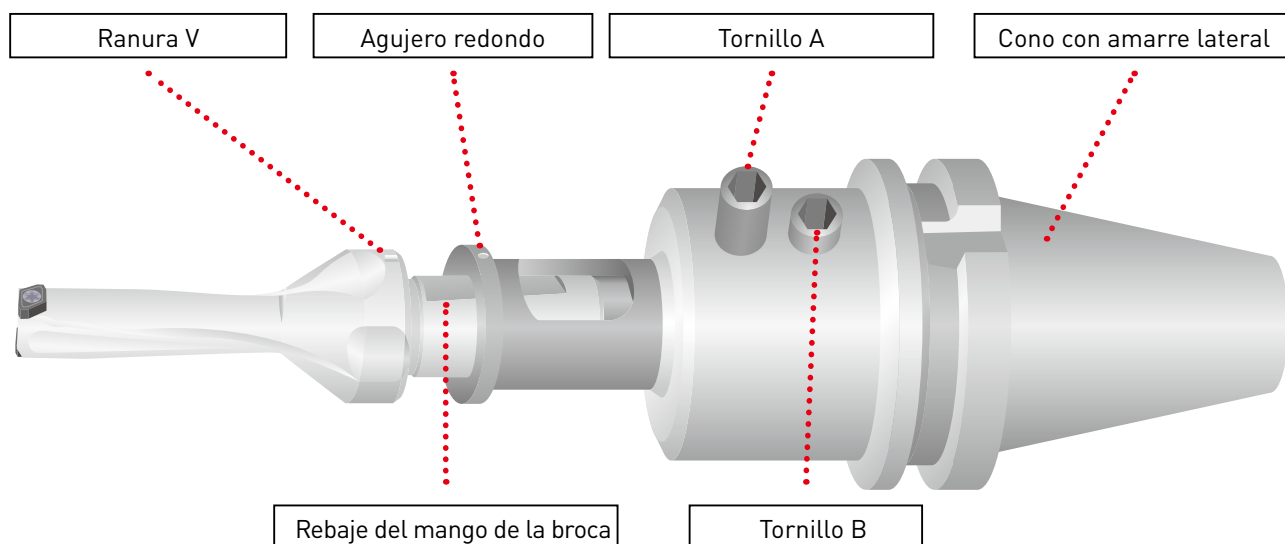
Es posible hacer pedidos individualmente. Cuando haga un pedido, utilice las referencias individuales.

APLICACIÓN DE JUST FIT SLEEVE

Cuando coloque la herramienta en el cono de amarre, alinee la ranura V con el filo periférico exterior de la broca, así como los agujeros redondos del eje periférico exterior de la brida del casquillo y los tornillos de amarre para fijar la broca. (Si la broca no tiene ranura V, alinear el rebaje del mango de la broca con los agujeros redondos del casquillo.)

Tornillos. A como brida lateral directamente para sujetar amarre de la broca. El tornillo B, solo aprieta a un grado para no dañar el cono.

- No se pueden realizar ajustes finos para el diámetro del casquillo.
- No puede utilizarse con herramientas con pinza de sujeción.



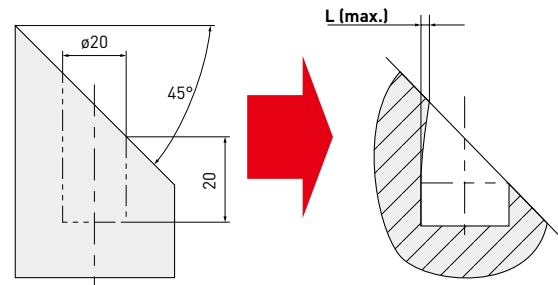
TAFS, TAFM, TAFL

EJEMPLOS DE APLICACIÓN

TALADRADO DE CARAS ANGULADAS

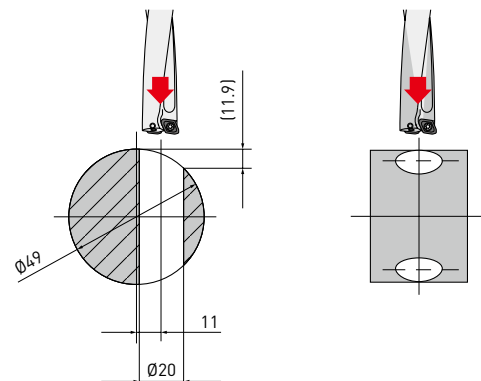
Material	DIN 42CrMo4 (180 – 280 HB)
Herramienta	Ø 20 (3 x D)
Vc (m/min)	80
f (mm/rev.)	0.08

Herramienta	L (mm)	L (max.)
TAF	0.11	Bueno
Convencional A	0.17	Bueno
Convencional B	0.13	Los filos de corte interior y exterior se fracturan



TALADRADO DE PIEZAS REDONDAS

Material	DIN Ck50 (120 HB – 180 HB)
Herramienta	Ø 20 (3 x D)
Vc (m/min)	50, 80, 100
f (mm/rev.)	0.08 Corte inicial 0.05

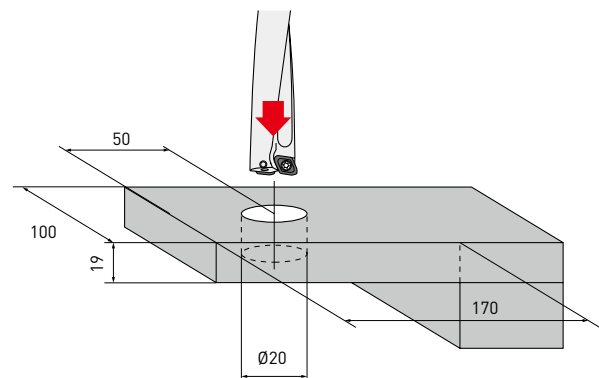
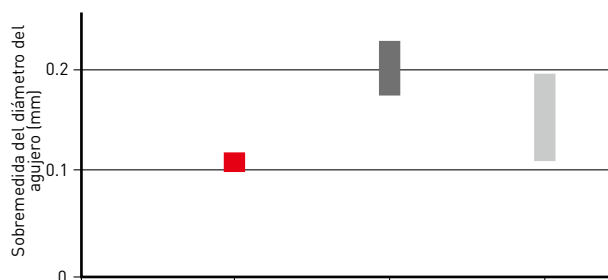


Con un taladro convencional, el filo interior se rompe.

TALADRADO DE LADOS ABIERTOS

Material	DIN Ck50 (120 – 180 HB)
Herramienta	Ø 20 (3 x D)
Vc (m/min)	80
f (mm/rev.)	0.08

Sobremedida de la roca
(con respecto al diámetro de broca medido)

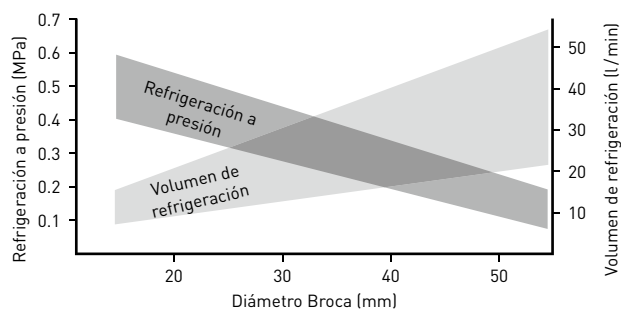


TAFS, TAFM, TAFL

APLICACIÓN

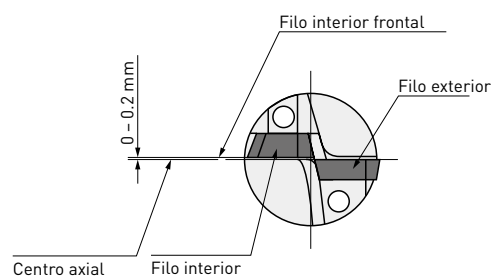
- Por favor, asegúrese que existe la máxima rigidez posible entre el eje de la máquina y el cono de amarre.
- Consulte la gráfica situada a la derecha para conocer el volumen y la presión de refrigeración. La refrigeración es un factor importante en la utilización eficaz de estas brocas.
- No se puede utilizar para taladrar planchas superpuestas.

En común con muchas brocas con placas intercambiables, estas producen unos discos que al no poder ser evacuados al mecanizar pueden producir roturas.



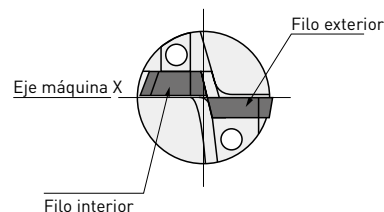
UTILIZACIÓN EN UN TORNO

El filo de corte interior puede estar posicionado entre 0 – 0.2 mm sobre el centro.



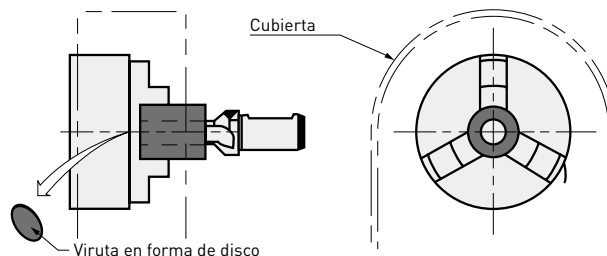
Para ajustar el diámetro del agujero con el desplazamiento de la broca, el filo de corte y el eje de la máquina deben estar en paralelo.

Cuando producimos un agujero de sobremedida. El desplazamiento no debe ser más del 2 % del diámetro. No es posible realizar agujeros más pequeños.



Cuando taladramos un agujero pasante en un torno, el disco producido al taladrar el material puede ser expulsado por la alta velocidad.

Para reducir el peligro de daños ó deterioro es muy recomendable protegerlo con la cubierta.



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