MITSUBISHI

MITSUBISHI CARBIDE

Broca de tipo intercambiable

B013S

Brocas TAF

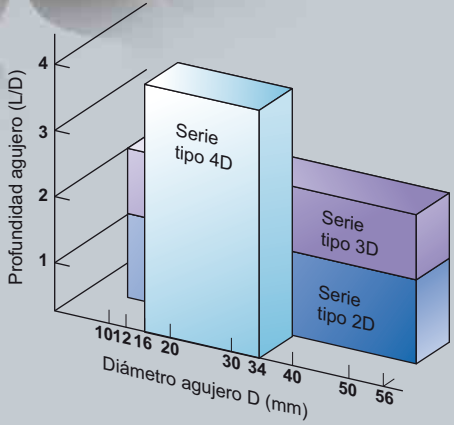
Económica, 4 filos de corte por placa.

Bajo nivel de ruido al taladrar y cuerpo resistente

■ Nueva ***MIRACLE***® **revestida *VP15TF*** (rompeviruta ***U2***) para mecanizado estable y área de aplicación amplia.

JUST FIT SLEEVE

Permite aumentar el diámetro de la broca. Incrementos de 0.1 mm hasta un máximo de 0.5 mm.



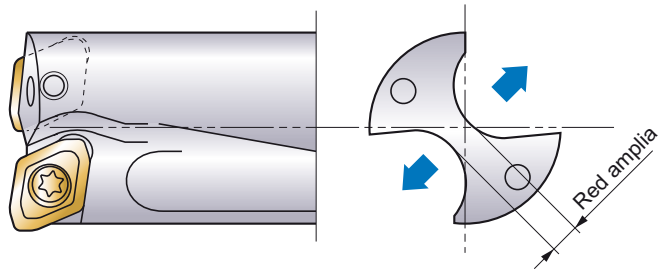
Broca de tipo intercambiable

Brocas TAF

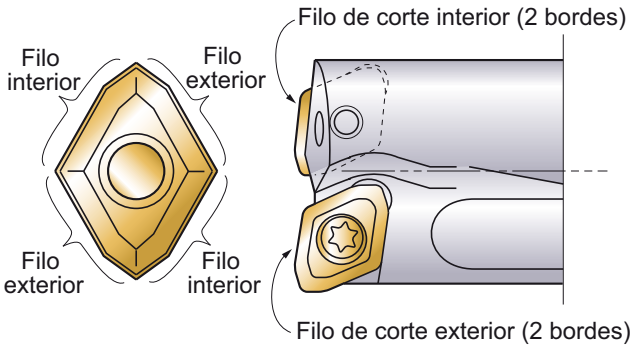
Características

Cuerpo resistente

①Su nuevo y más amplio diseño de red reduce la vibración.
②Ahora menor ruido en el corte.
③Alta rigidez del asiento de la placa, para una fijación más fiable.



Placa económica



Uso económico de los cuatro filos

Selección de calidad

Rompevirutas \ Calidad	VP15TF (NUEVO)		UP20M		GP20M		UE6020		US735		F5010	
	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT
U1			Acero dulce	Acero dulce								
U2	Acero al carbono Acero aleado Acero inoxidable Fundición Fundición dúctil	Acero inoxidable			Acero al carbono Acero aleado Acero inoxidable Fundición Fundición dúctil					Acero inoxidable		
U3				Fundición dúctil				Acero al carbono Acero aleado				Fundición Fundición dúctil

*Ver arriba 1ª recomendación. Para más información, consulte P.7.

Designación

TA F S 3200 F 40

- 40 — Diámetro mango: ø40
- F — Símbolo tipo de mango. F: tipo refr. lateral
- 3200 — Diámetro de broca: ø32.00
- S — Símbolo L/D - S: 2D, M: 3D, L: 4D.
- F — Símbolo broca TAF
- TA — Placa intercambiable de estilo broca

Pruebas de corte

●Geometría viruta

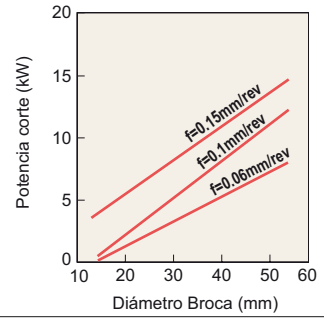
Diámetro broca: ø25

Rompevirutas U1	Rompevirutas U2	Rompevirutas U3	Rompevirutas U3
Material : Acero dulce	Material : DIN X5CrNi189	Material : DIN Ck45	Material : DIN 42CrMo4
Velocidad de corte : 200m/min	Velocidad de corte : 150m/min	Velocidad de corte : 150m/min	Velocidad de corte : 150m/min
Avance : 0.10mm/rev.	Avance : 0.10mm/rev.	Avance : 0.14mm/rev.	Avance : 0.12mm/rev.
			

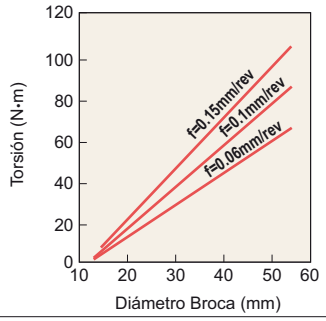
●Resistencia de corte

Material: DIN 42CrMo4 (200 HB - 220 HB) Velocidad de corte: 150 m/min Placa: rompevirutas U2

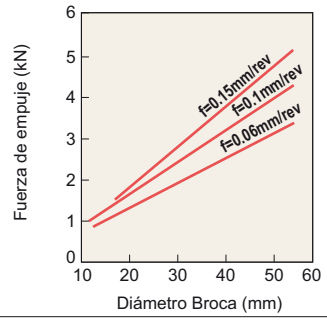
Potencia corte



Torsión

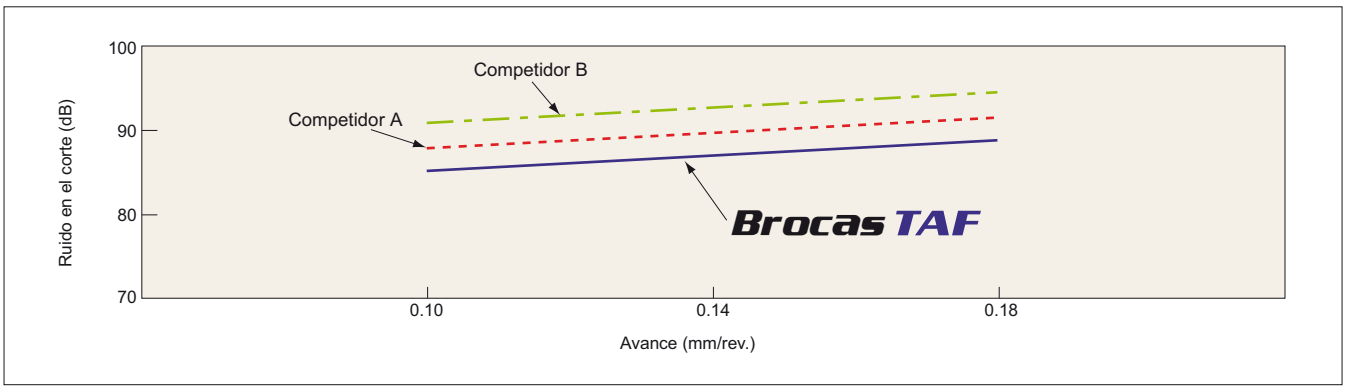


Fuerza de empuje



●Ruido en el corte

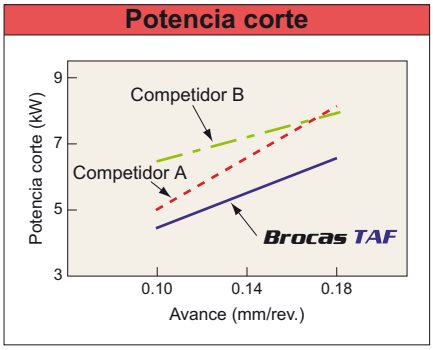
Material: DIN 42CrMo4 (200 HB - 220 HB) Diámetro de broca: ø25 Placa: rompevirutas U2. Velocidad de corte: 150 m/min



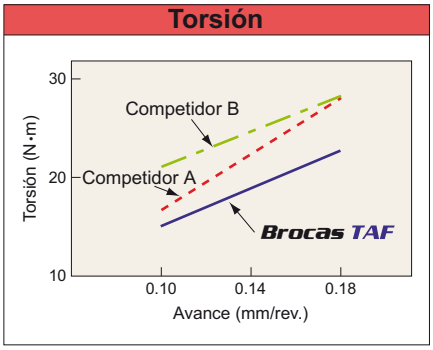
●Resistencia de corte

Material: DIN 42CrMo4 (200 HB - 220 HB) Diámetro de broca: ø25 Placa: rompevirutas U3. Velocidad de corte: 150 m/min

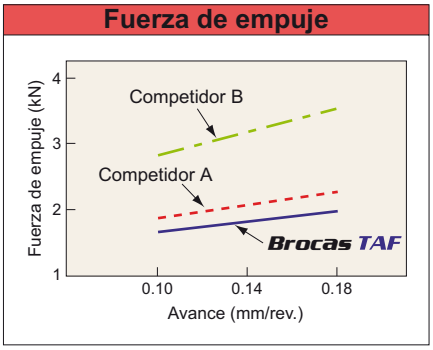
Potencia corte



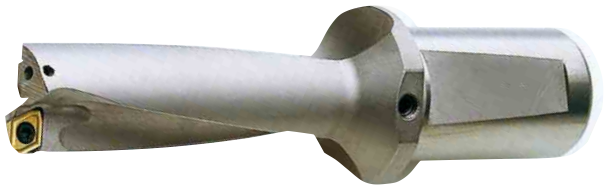
Torsión

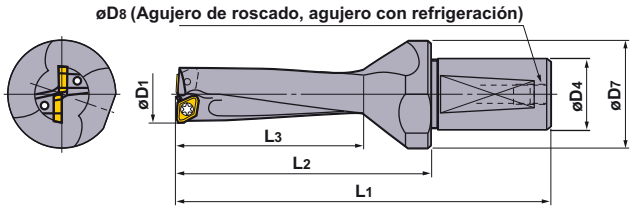


Fuerza de empuje



TAFS,TAFM,TAFL



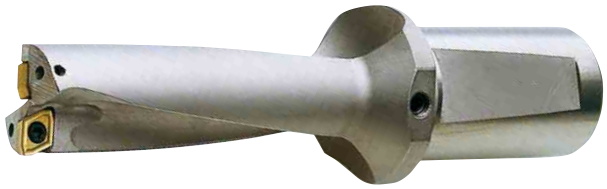


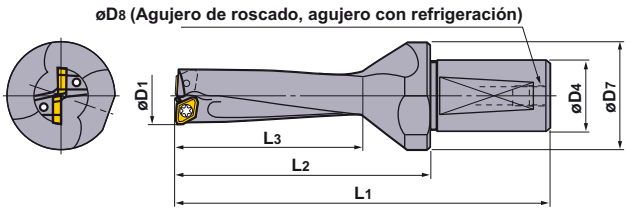
Diám. broca D1 (mm)	Profundidad agujero (l/d)	Referencia	Stock	Número de dientes	Dimensiones (mm)						Tipo de placa	Tornillo roscado	Llave
					D4	D7	D8	L1	L2	L3			
12.0	2	**TAFS1200F20**	●	2	20	25	PT1/8	82	39	29	**GCMT040204-U○**	TS2	TKY06F
	3	**TAFM1200F20**	●	2	20	25	PT1/8	94	51	41	**GCMT040204-U○**	TS2	TKY06F
	4	**TAFL1200F20**	●	2	20	25	PT1/8	106	63	53	**GCMT040204-U○**	TS2	TKY06F
12.5	2	**TAFS1250F20**	●	2	20	25	PT1/8	82	39	29	**GCMT040204-U○**	TS2	TKY06F
	3	**TAFM1250F20**	●	2	20	25	PT1/8	94	51	41	**GCMT040204-U○**	TS2	TKY06F
	4	**TAFL1250F20**	●	2	20	25	PT1/8	106	63	53	**GCMT040204-U○**	TS2	TKY06F
13.0	2	**TAFS1300F20**	●	2	20	25	PT1/8	84	41	31	**GCMT040204-U○**	TS2	TKY06F
	3	**TAFM1300F20**	●	2	20	25	PT1/8	97	54	44	**GCMT040204-U○**	TS2	TKY06F
	4	**TAFL1300F20**	●	2	20	25	PT1/8	110	67	57	**GCMT040204-U○**	TS2	TKY06F
13.5	2	**TAFS1350F20**	●	2	20	25	PT1/8	84	41	31	**GCMT040204-U○**	TS2	TKY06F
	3	**TAFM1350F20**	●	2	20	25	PT1/8	97	54	44	**GCMT040204-U○**	TS2	TKY06F
	4	**TAFL1350F20**	●	2	20	25	PT1/8	110	67	57	**GCMT040204-U○**	TS2	TKY06F
14.0	2	**TAFS1400F20**	●	2	20	25	PT1/8	86	43	33	**GCMT040204-U○**	TS2	TKY06F
	3	**TAFM1400F20**	●	2	20	25	PT1/8	100	57	47	**GCMT040204-U○**	TS2	TKY06F
	4	**TAFL1400F20**	●	2	20	25	PT1/8	114	71	61	**GCMT040204-U○**	TS2	TKY06F
14.5	2	**TAFS1450F20**	●	2	20	25	PT1/8	86	43	33	**GCMT040204-U○**	TS2	TKY06F
	3	**TAFM1450F20**	●	2	20	25	PT1/8	100	57	47	**GCMT040204-U○**	TS2	TKY06F
	4	**TAFL1450F20**	●	2	20	25	PT1/8	114	71	61	**GCMT040204-U○**	TS2	TKY06F
15.0	2	**TAFS1500F20**	●	2	20	25	PT1/8	88	45	35	**GPMT060204-U○**	TS2	TKY06F
	3	**TAFM1500F20**	●	2	20	25	PT1/8	103	60	50	**GPMT060204-U○**	TS2	TKY06F
	4	**TAFL1500F20**	●	2	20	25	PT1/8	118	75	65	**GPMT060204-U○**	TS2	TKY06F
15.5	2	**TAFS1550F20**	●	2	20	25	PT1/8	88	45	35	**GPMT060204-U○**	TS2	TKY06F
	3	**TAFM1550F20**	●	2	20	25	PT1/8	103	60	50	**GPMT060204-U○**	TS2	TKY06F
	4	**TAFL1550F20**	●	2	20	25	PT1/8	118	75	65	**GPMT060204-U○**	TS2	TKY06F
16.0	2	**TAFS1600F25**	●	2	25	35	PT1/8	107	57	38	**GPMT060204-U○**	TS2	TKY06F
	3	**TAFM1600F25**	●	2	25	35	PT1/8	123	73	54	**GPMT060204-U○**	TS2	TKY06F
	4	**TAFL1600F25**	●	2	25	35	PT1/8	139	89	70	**GPMT060204-U○**	TS2	TKY06F
16.5	2	**TAFS1650F25**	●	2	25	35	PT1/8	107	57	38	**GPMT060204-U○**	TS2	TKY06F
	3	**TAFM1650F25**	●	2	25	35	PT1/8	123	73	54	**GPMT060204-U○**	TS2	TKY06F
17.0	2	**TAFS1700F25**	●	2	25	35	PT1/8	109	59	41	**GPMT060204-U○**	TS2	TKY06F
	3	**TAFM1700F25**	●	2	25	35	PT1/8	126	76	58	**GPMT060204-U○**	TS2	TKY06F
	4	**TAFL1700F25**	●	2	25	35	PT1/8	143	93	75	**GPMT060204-U○**	TS2	TKY06F
17.5	2	**TAFS1750F25**	●	2	25	35	PT1/8	109	59	41	**GPMT060204-U○**	TS2	TKY06F
	3	**TAFM1750F25**	●	2	25	35	PT1/8	126	76	58	**GPMT060204-U○**	TS2	TKY06F
	4	**TAFL1750F25**	●	2	25	35	PT1/8	143	93	75	**GPMT060204-U○**	TS2	TKY06F

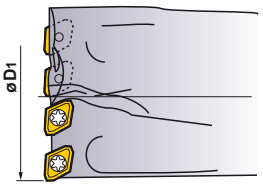
● : Existencias en Europa.

Diám. broca D_1 (mm)	Profundidad agujero (l/d)	Referencia	Stock	Número de dientes	Dimensiones (mm)						Tipo de placa		
					D_4	D_7	D_8	L_1	L_2	L_3		Tornillo roscado	Llave
18.0	2	**TAFS1800F25**	●	2	25	35	PT1/8	111	61	43	**GPMT070204-U○**	TS25	TKY08F
	3	**TAFM1800F25**	●	2	25	35	PT1/8	129	79	61	**GPMT070204-U○**	TS25	TKY08F
	4	**TAFL1800F25**	●	2	25	35	PT1/8	147	97	79	**GPMT070204-U○**	TS25	TKY08F
18.5	2	**TAFS1850F25**	●	2	25	35	PT1/8	111	61	43	**GPMT070204-U○**	TS25	TKY08F
	3	**TAFM1850F25**	●	2	25	35	PT1/8	129	79	61	**GPMT070204-U○**	TS25	TKY08F
19.0	2	**TAFS1900F25**	●	2	25	35	PT1/8	113	63	46	**GPMT070204-U○**	TS25	TKY08F
	3	**TAFM1900F25**	●	2	25	35	PT1/8	132	82	65	**GPMT070204-U○**	TS25	TKY08F
	4	**TAFL1900F25**	●	2	25	35	PT1/8	151	101	84	**GPMT070204-U○**	TS25	TKY08F
19.5	2	**TAFS1950F25**	●	2	25	35	PT1/8	113	63	46	**GPMT070204-U○**	TS25	TKY08F
	3	**TAFM1950F25**	●	2	25	35	PT1/8	132	82	65	**GPMT070204-U○**	TS25	TKY08F
20.0	2	**TAFS2000F25**	●	2	25	35	PT1/8	115	65	48	**GPMT070204-U○**	TS25	TKY08F
	3	**TAFM2000F25**	●	2	25	35	PT1/8	135	85	68	**GPMT070204-U○**	TS25	TKY08F
	4	**TAFL2000F25**	●	2	25	35	PT1/8	155	105	88	**GPMT070204-U○**	TS25	TKY08F
20.5	2	**TAFS2050F25**	●	2	25	35	PT1/8	115	65	48	**GPMT070204-U○**	TS25	TKY08F
	3	**TAFM2050F25**	●	2	25	35	PT1/8	135	85	68	**GPMT070204-U○**	TS25	TKY08F
21.0	2	**TAFS2100F25**	●	2	25	35	PT1/8	117	67	50	**GPMT070204-U○**	TS25	TKY08F
	3	**TAFM2100F25**	●	2	25	35	PT1/8	138	88	71	**GPMT070204-U○**	TS25	TKY08F
	4	**TAFL2100F25**	●	2	25	35	PT1/8	159	109	92	**GPMT070204-U○**	TS25	TKY08F
21.5	2	**TAFS2150F25**	●	2	25	35	PT1/8	117	67	50	**GPMT070204-U○**	TS25	TKY08F
	3	**TAFM2150F25**	●	2	25	35	PT1/8	138	88	71	**GPMT070204-U○**	TS25	TKY08F
22.0	2	**TAFS2200F25**	●	2	25	35	PT1/8	119	69	53	**GPMT070204-U○**	TS25	TKY08F
	3	**TAFM2200F25**	●	2	25	35	PT1/8	141	91	75	**GPMT070204-U○**	TS25	TKY08F
	4	**TAFL2200F25**	●	2	25	35	PT1/8	163	113	97	**GPMT070204-U○**	TS25	TKY08F
22.5	2	**TAFS2250F25**	●	2	25	35	PT1/8	119	69	53	**GPMT070204-U○**	TS25	TKY08F
	3	**TAFM2250F25**	●	2	25	35	PT1/8	141	91	75	**GPMT070204-U○**	TS25	TKY08F
23.0	2	**TAFS2300F25**	●	2	25	35	PT1/8	121	71	55	**GPMT090304-U○**	TS3	TKY08F
	3	**TAFM2300F25**	●	2	25	35	PT1/8	144	94	78	**GPMT090304-U○**	TS3	TKY08F
	4	**TAFL2300F25**	●	2	25	35	PT1/8	167	117	101	**GPMT090304-U○**	TS3	TKY08F
23.5	2	**TAFS2350F25**	●	2	25	35	PT1/8	121	71	55	**GPMT090304-U○**	TS3	TKY08F
	3	**TAFM2350F25**	●	2	25	35	PT1/8	144	94	78	**GPMT090304-U○**	TS3	TKY08F
	4	**TAFL2350F25**	●	2	25	35	PT1/8	167	117	101	**GPMT090304-U○**	TS3	TKY08F
24.0	2	**TAFS2400F25**	●	2	25	35	PT1/8	123	73	58	**GPMT090304-U○**	TS3	TKY08F
	3	**TAFM2400F25**	●	2	25	35	PT1/8	147	97	82	**GPMT090304-U○**	TS3	TKY08F
	4	**TAFL2400F25**	●	2	25	35	PT1/8	171	121	106	**GPMT090304-U○**	TS3	TKY08F
24.5	2	**TAFS2450F25**	●	2	25	35	PT1/8	123	73	58	**GPMT090304-U○**	TS3	TKY08F
	3	**TAFM2450F25**	●	2	25	35	PT1/8	147	97	82	**GPMT090304-U○**	TS3	TKY08F
25.0	2	**TAFS2500F32**	●	2	32	42	PT1/8	130	75	60	**GPMT090304-U○**	TS3	TKY08F
	3	**TAFM2500F32**	●	2	32	42	PT1/8	155	100	85	**GPMT090304-U○**	TS3	TKY08F
	4	**TAFL2500F25**	●	2	32	42	PT1/8	180	125	110	**GPMT090304-U○**	TS3	TKY08F
	4	**TAFL2500F32**	●	2	32	42	PT1/8	180	125	110	**GPMT090304-U○**	TS3	TKY08F
25.5	2	**TAFS2550F32**	●	2	32	42	PT1/8	130	75	60	**GPMT090304-U○**	TS3	TKY08F
	3	**TAFM2550F32**	●	2	32	42	PT1/8	155	100	85	**GPMT090304-U○**	TS3	TKY08F
26.0	2	**TAFS2600F32**	●	2	32	42	PT1/8	132	77	62	**GPMT090304-U○**	TS3	TKY08F
	3	**TAFM2600F32**	●	2	32	42	PT1/8	158	103	88	**GPMT090304-U○**	TS3	TKY08F
	4	**TAFL2600F32**	●	2	32	42	PT1/8	184	129	114	**GPMT090304-U○**	TS3	TKY08F
26.5	2	**TAFS2650F32**	●	2	32	42	PT1/8	132	77	62	**GPMT090304-U○**	TS3	TKY08F
	3	**TAFM2650F32**	●	2	32	42	PT1/8	158	103	88	**GPMT090304-U○**	TS3	TKY08F
	4	**TAFL2650F32**	●	2	32	42	PT1/8	184	129	114	**GPMT090304-U○**	TS3	TKY08F

TAFS,TAFM,TAFL







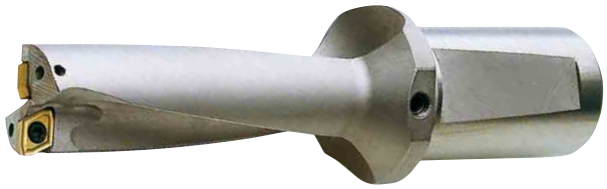
Número de dientes = 4 (ø D1 ≥ 49)

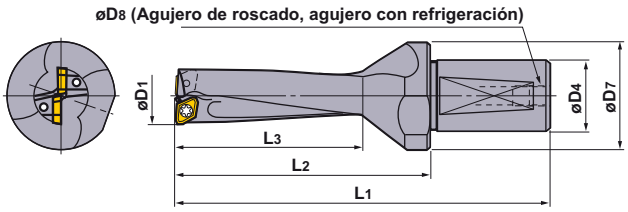
Diám. broca D1 (mm)	Profundidad agujero (l/d)	Referencia	Stock	Número de dientes	Dimensiones (mm)						Tipo de placa	Tornillo roscado	Llave
					D4	D7	D8	L1	L2	L3			
27.0	2	TAFS2700F32	●	2	32	42	PT1/8	134	79	65	GPMT090304-U○	TS3	①TKY08F
	3	TAFM2700F32	●	2	32	42	PT1/8	161	106	92	GPMT090304-U○	TS3	①TKY08F
	4	TAFL2700F32	●	2	32	42	PT1/8	188	133	119	GPMT090304-U○	TS3	①TKY08F
27.5	2	TAFS2750F32	●	2	32	42	PT1/8	134	79	65	GPMT090304-U○	TS3	①TKY08F
	3	TAFM2750F32	●	2	32	42	PT1/8	161	106	92	GPMT090304-U○	TS3	①TKY08F
28.0	2	TAFS2800F32	●	2	32	42	PT1/8	136	81	67	GPMT11T308-U○	TS4	②TKY15D
	3	TAFM2800F32	●	2	32	42	PT1/8	164	109	95	GPMT11T308-U○	TS4	②TKY15D
	4	TAFL2800F32	●	2	32	42	PT1/8	192	137	123	GPMT11T308-U○	TS4	②TKY15D
28.5	2	TAFS2850F32	●	2	32	42	PT1/8	136	81	67	GPMT11T308-U○	TS4	②TKY15D
	3	TAFM2850F32	●	2	32	42	PT1/8	164	109	95	GPMT11T308-U○	TS4	②TKY15D
	4	TAFL2850F40	●	2	40	50	PT1/8	202	137	123	GPMT11T308-U○	TS4	②TKY15D
29.0	2	TAFS2900F32	●	2	32	42	PT1/8	138	83	70	GPMT11T308-U○	TS4	②TKY15D
	3	TAFM2900F32	●	2	32	42	PT1/8	167	112	99	GPMT11T308-U○	TS4	②TKY15D
	4	TAFL2900F32	●	2	32	42	PT1/8	196	141	128	GPMT11T308-U○	TS4	②TKY15D
29.5	2	TAFS2950F32	●	2	32	42	PT1/8	138	83	70	GPMT11T308-U○	TS4	②TKY15D
	3	TAFM2950F32	●	2	32	42	PT1/8	167	112	99	GPMT11T308-U○	TS4	②TKY15D
30.0	2	TAFS3000F32	●	2	32	42	PT1/8	145	90	72	GPMT11T308-U○	TS4	②TKY15D
	2	TAFS3000F40	●	2	40	50	PT1/4	155	90	72	GPMT11T308-U○	TS4	②TKY15D
	3	TAFM3000F32	●	2	32	42	PT1/8	175	120	102	GPMT11T308-U○	TS4	②TKY15D
	3	TAFM3000F40	●	2	40	50	PT1/4	185	120	102	GPMT11T308-U○	TS4	②TKY15D
	4	TAFL3000F32	●	2	32	42	PT1/8	205	150	132	GPMT11T308-U○	TS4	②TKY15D
	4	TAFL3000F40	●	2	40	50	PT1/4	215	150	132	GPMT11T308-U○	TS4	②TKY15D
30.5	2	TAFS3050F40	●	2	40	50	PT1/4	155	90	72	GPMT11T308-U○	TS4	②TKY15D
	3	TAFM3050F40	●	2	40	50	PT1/4	185	120	102	GPMT11T308-U○	TS4	②TKY15D
31.0	2	TAFS3100F32	●	2	32	42	PT1/8	147	92	74	GPMT11T308-U○	TS4	②TKY15D
	2	TAFS3100F40	●	2	40	50	PT1/4	157	92	74	GPMT11T308-U○	TS4	②TKY15D
	3	TAFM3100F32	●	2	32	42	PT1/8	178	123	105	GPMT11T308-U○	TS4	②TKY15D
	3	TAFM3100F40	●	2	40	50	PT1/4	188	123	105	GPMT11T308-U○	TS4	②TKY15D
	4	TAFL3100F32	●	2	32	42	PT1/8	209	154	136	GPMT11T308-U○	TS4	②TKY15D
	4	TAFL3100F40	●	2	40	50	PT1/4	219	154	136	GPMT11T308-U○	TS4	②TKY15D

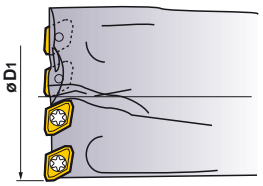
● : Existencias en Europa.

Diám. broca D_1 (mm)	Profundidad agujero (l/d)	Referencia	Stock	Número de dientes	Dimensiones (mm)						Tipo de placa	 Tornillo roscado	 Llave
					D_4	D_7	D_8	L_1	L_2	L_3			
32.0	2	**TAFS3200F32**	●	2	32	42	PT1/8	149	94	77	**GPMT11T308-U○**	TS4	TKY15D
	2	**TAFS3200F40**	●	2	40	50	PT1/4	159	94	77	**GPMT11T308-U○**	TS4	TKY15D
	3	**TAFM3200F32**	●	2	32	42	PT1/8	181	126	109	**GPMT11T308-U○**	TS4	TKY15D
	3	**TAFM3200F40**	●	2	40	50	PT1/4	191	126	109	**GPMT11T308-U○**	TS4	TKY15D
	4	**TAFL3200F32**	●	2	32	42	PT1/8	213	158	141	**GPMT11T308-U○**	TS4	TKY15D
	4	**TAFL3200F40**	●	2	40	50	PT1/4	223	158	141	**GPMT11T308-U○**	TS4	TKY15D
33.0	2	**TAFS3300F32**	●	2	32	42	PT1/8	151	96	79	**GPMT11T308-U○**	TS4	TKY15D
	2	**TAFS3300F40**	●	2	40	50	PT1/4	161	96	79	**GPMT11T308-U○**	TS4	TKY15D
	3	**TAFM3300F32**	●	2	32	42	PT1/8	184	129	112	**GPMT11T308-U○**	TS4	TKY15D
	3	**TAFM3300F40**	●	2	40	50	PT1/4	194	129	112	**GPMT11T308-U○**	TS4	TKY15D
	4	**TAFL3300F32**	●	2	32	42	PT1/8	217	162	145	**GPMT11T308-U○**	TS4	TKY15D
	4	**TAFL3300F40**	●	2	40	50	PT1/4	227	162	145	**GPMT11T308-U○**	TS4	TKY15D
34.0	2	**TAFS3400F32**	●	2	32	42	PT1/8	153	98	82	**GPMT11T308-U○**	TS4	TKY15D
	2	**TAFS3400F40**	●	2	40	50	PT1/4	163	98	82	**GPMT11T308-U○**	TS4	TKY15D
	3	**TAFM3400F32**	●	2	32	42	PT1/8	187	132	116	**GPMT11T308-U○**	TS4	TKY15D
	3	**TAFM3400F40**	●	2	40	50	PT1/4	197	132	116	**GPMT11T308-U○**	TS4	TKY15D
	4	**TAFL3400F32**	●	2	32	42	PT1/8	231	166	150	**GPMT11T308-U○**	TS4	TKY15D
	4	**TAFL3400F40**	●	2	40	50	PT1/4	231	166	150	**GPMT11T308-U○**	TS4	TKY15D
35.0	2	**TAFS3500F32**	●	2	32	42	PT1/8	155	100	84	**GPMT140408-U○**	TS5	TKY25D
	2	**TAFS3500F40**	●	2	40	50	PT1/4	165	100	84	**GPMT140408-U○**	TS5	TKY25D
	3	**TAFM3500F32**	●	2	32	42	PT1/8	190	135	119	**GPMT140408-U○**	TS5	TKY25D
	3	**TAFM3500F40**	●	2	40	50	PT1/4	200	135	119	**GPMT140408-U○**	TS5	TKY25D
	4	**TAFL3500F32**	●	2	32	42	PT1/8	235	170	154	**GPMT140408-U○**	TS5	TKY25D
	4	**TAFL3500F40**	●	2	40	50	PT1/4	235	170	154	**GPMT140408-U○**	TS5	TKY25D
36.0	2	**TAFS3600F32**	●	2	32	42	PT1/8	157	102	86	**GPMT140408-U○**	TS5	TKY25D
	2	**TAFS3600F40**	●	2	40	50	PT1/4	167	102	86	**GPMT140408-U○**	TS5	TKY25D
	3	**TAFM3600F32**	●	2	32	42	PT1/8	193	138	122	**GPMT140408-U○**	TS5	TKY25D
	3	**TAFM3600F40**	●	2	40	50	PT1/4	203	138	122	**GPMT140408-U○**	TS5	TKY25D
	4	**TAFL3600F32**	●	2	32	42	PT1/8	229	174	158	**GPMT140408-U○**	TS5	TKY25D
	4	**TAFL3600F40**	●	2	40	50	PT1/4	239	174	158	**GPMT140408-U○**	TS5	TKY25D
37.0	2	**TAFS3700F32**	●	2	32	42	PT1/8	159	104	89	**GPMT140408-U○**	TS5	TKY25D
	2	**TAFS3700F40**	●	2	40	50	PT1/4	169	104	89	**GPMT140408-U○**	TS5	TKY25D
	3	**TAFM3700F32**	●	2	32	42	PT1/8	196	141	126	**GPMT140408-U○**	TS5	TKY25D
	3	**TAFM3700F40**	●	2	40	50	PT1/4	206	141	126	**GPMT140408-U○**	TS5	TKY25D
	4	**TAFL3700F32**	●	2	32	42	PT1/8	233	178	163	**GPMT140408-U○**	TS5	TKY25D
	4	**TAFL3700F40**	●	2	40	50	PT1/4	243	178	163	**GPMT140408-U○**	TS5	TKY25D
37.5	2	**TAFS3750F32**	●	2	32	42	PT1/8	159	104	89	**GPMT140408-U○**	TS5	TKY25D
	2	**TAFS3750F40**	●	2	40	50	PT1/4	169	104	89	**GPMT140408-U○**	TS5	TKY25D
	3	**TAFM3750F32**	●	2	32	42	PT1/8	196	141	126	**GPMT140408-U○**	TS5	TKY25D
	3	**TAFM3750F40**	●	2	40	50	PT1/4	206	141	126	**GPMT140408-U○**	TS5	TKY25D
	4	**TAFL3750F32**	●	2	32	42	PT1/8	233	178	163	**GPMT140408-U○**	TS5	TKY25D
	4	**TAFL3750F40**	●	2	40	50	PT1/4	243	178	163	**GPMT140408-U○**	TS5	TKY25D
38.0	2	**TAFS3800F32**	●	2	32	42	PT1/8	161	106	91	**GPMT140408-U○**	TS5	TKY25D
	2	**TAFS3800F40**	●	2	40	50	PT1/4	171	106	91	**GPMT140408-U○**	TS5	TKY25D
	3	**TAFM3800F32**	●	2	32	42	PT1/8	199	144	129	**GPMT140408-U○**	TS5	TKY25D
	3	**TAFM3800F40**	●	2	40	50	PT1/4	209	144	129	**GPMT140408-U○**	TS5	TKY25D
	4	**TAFL3800F32**	●	2	32	42	PT1/8	247	182	167	**GPMT140408-U○**	TS5	TKY25D
	4	**TAFL3800F40**	●	2	40	50	PT1/4	247	182	167	**GPMT140408-U○**	TS5	TKY25D

TAFS,TAFM,TAFL



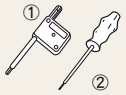




Número de dientes = 4 (øD1 ≥ 49)

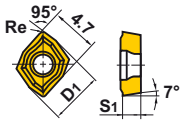
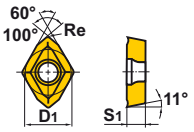
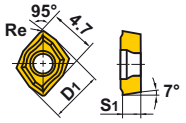
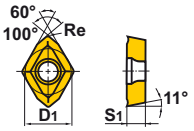
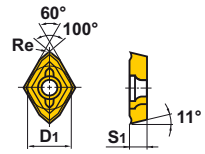
Diám. broca D1 (mm)	Profundidad agujero (l/d)	Referencia	Stock	Número de dientes	Dimensiones (mm)						Tipo de placa	Tornillo roscado	Llave
					D4	D7	D8	L1	L2	L3			
39.0	2	TAFS3900F32	●	2	32	42	PT1/8	163	108	94	GPMT140408-U○	TS5	TKY25D
	2	TAFS3900F40	●	2	40	50	PT1/4	173	108	94	GPMT140408-U○	TS5	TKY25D
	3	TAFM3900F32	●	2	32	42	PT1/8	202	147	133	GPMT140408-U○	TS5	TKY25D
	3	TAFM3900F40	●	2	40	50	PT1/4	212	147	133	GPMT140408-U○	TS5	TKY25D
	4	TAFL3900F32	●	2	32	42	PT1/8	251	186	172	GPMT140408-U○	TS5	TKY25D
	4	TAFL3900F40	●	2	40	50	PT1/4	251	186	172	GPMT140408-U○	TS5	TKY25D
40.0	2	TAFS4000F32	●	2	32	42	PT1/8	165	110	96	GPMT140408-U○	TS5	TKY25D
	2	TAFS4000F40	●	2	40	50	PT1/4	175	110	96	GPMT140408-U○	TS5	TKY25D
	3	TAFM4000F32	●	2	32	42	PT1/8	205	150	136	GPMT140408-U○	TS5	TKY25D
	3	TAFM4000F40	●	2	40	50	PT1/4	215	150	136	GPMT140408-U○	TS5	TKY25D
	4	TAFL4000F32	●	2	32	42	PT1/8	245	190	176	GPMT140408-U○	TS5	TKY25D
	4	TAFL4000F40	●	2	40	50	PT1/4	255	190	176	GPMT140408-U○	TS5	TKY25D
41.0	2	TAFS4100F40	●	2	40	50	PT1/4	177	112	98	GPMT140408-U○	TS5	TKY25D
	3	TAFM4100F40	●	2	40	50	PT1/4	218	153	139	GPMT140408-U○	TS5	TKY25D
	4	TAFL4100F40	●	2	40	50	PT1/4	259	194	180	GPMT140408-U○	TS5	TKY25D
42.0	2	TAFS4200F40	●	2	40	50	PT1/4	179	114	101	GPMT140408-U○	TS5	TKY25D
	3	TAFM4200F40	●	2	40	50	PT1/4	221	156	143	GPMT140408-U○	TS5	TKY25D
	4	TAFL4200F40	●	2	40	50	PT1/4	263	198	185	GPMT140408-U○	TS5	TKY25D
43.0	2	TAFS4300F40	●	2	40	50	PT1/4	181	116	103	GPMT140408-U○	TS5	TKY25D
	3	TAFM4300F40	●	2	40	50	PT1/4	224	159	146	GPMT140408-U○	TS5	TKY25D
	4	TAFL4300F40	●	2	40	50	PT1/4	267	202	189	GPMT140408-U○	TS5	TKY25D
44.0	2	TAFS4400F40	●	2	40	50	PT1/4	183	118	106	GPMT140408-U○	TS5	TKY25D
	3	TAFM4400F40	●	2	40	50	PT1/4	227	162	150	GPMT140408-U○	TS5	TKY25D
	4	TAFL4400F40	●	2	40	50	PT1/4	271	206	194	GPMT140408-U○	TS5	TKY25D
45.0	2	TAFS4500F40	●	2	40	54	PT1/4	185	120	108	GPMT140408-U○	TS5	TKY25D
	3	TAFM4500F40	●	2	40	54	PT1/4	230	165	153	GPMT140408-U○	TS5	TKY25D
	4	TAFL4500F40	●	2	40	54	PT1/4	275	210	198	GPMT140408-U○	TS5	TKY25D
46.0	2	TAFS4600F40	●	2	40	54	PT1/4	187	122	110	GPMT140408-U○	TS5	TKY25D
	3	TAFM4600F40	●	2	40	54	PT1/4	233	168	156	GPMT140408-U○	TS5	TKY25D
	4	TAFL4600F40	●	2	40	54	PT1/4	279	214	202	GPMT140408-U○	TS5	TKY25D

● : Existencias en Europa.

Diám. broca D_1 (mm)	Profundidad agujero (l/d)	Referencia	Stock	Número de dientes	Dimensiones (mm)						Tipo de placa	 Tornillo roscado	 Llave
					D_4	D_7	D_8	L_1	L_2	L_3			
47.0	2	**TAFS4700F40**	●	2	40	54	PT1/4	189	124	113	**GPMT140408-U○**	TS5	②TKY25D
	3	**TAFM4700F40**	●	2	40	54	PT1/4	236	171	160	**GPMT140408-U○**	TS5	②TKY25D
	4	**TAFL4700F40**	●	2	40	54	PT1/4	283	218	207	**GPMT140408-U○**	TS5	②TKY25D
48.0	2	**TAFS4800F40**	●	2	40	54	PT1/4	191	126	115	**GPMT140408-U○**	TS5	②TKY25D
	3	**TAFM4800F40**	●	2	40	54	PT1/4	239	174	163	**GPMT140408-U○**	TS5	②TKY25D
	4	**TAFL4800F40**	●	2	40	54	PT1/4	287	222	211	**GPMT140408-U○**	TS5	②TKY25D
49.0	2	**TAFS4900F40**	●	4	40	58	PT1/4	198	133	118	**GPMT090304-U○**	TS3	①TKY08F
	3	**TAFM4900F40**	●	4	40	58	PT1/4	247	182	167	**GPMT090304-U○**	TS3	①TKY08F
	4	**TAFL4900F40**	●	4	40	58	PT1/4	296	231	216	**GPMT090304-U○**	TS3	①TKY08F
50.0	2	**TAFS5000F40**	●	4	40	58	PT1/4	200	135	120	**GPMT090304-U○**	TS3	①TKY08F
	3	**TAFM5000F40**	●	4	40	58	PT1/4	250	185	170	**GPMT090304-U○**	TS3	①TKY08F
	4	**TAFL5000F40**	●	4	40	58	PT1/4	300	235	220	**GPMT090304-U○**	TS3	①TKY08F
51.0	2	**TAFS5100F40**	●	4	40	58	PT1/4	202	137	122	**GPMT090304-U○**	TS3	①TKY08F
	3	**TAFM5100F40**	●	4	40	58	PT1/4	253	188	173	**GPMT090304-U○**	TS3	①TKY08F
	4	**TAFL5100F40**	●	4	40	58	PT1/4	304	239	224	**GPMT090304-U○**	TS3	①TKY08F
52.0	2	**TAFS5200F40**	●	4	40	58	PT1/4	204	139	125	**GPMT090304-U○**	TS3	①TKY08F
	3	**TAFM5200F40**	●	4	40	58	PT1/4	256	191	177	**GPMT090304-U○**	TS3	①TKY08F
	4	**TAFL5200F40**	●	4	40	58	PT1/4	308	243	229	**GPMT090304-U○**	TS3	①TKY08F
53.0	2	**TAFS5300F40**	●	4	40	63	PT1/4	206	141	127	**GPMT090304-U○**	TS3	①TKY08F
	3	**TAFM5300F40**	●	4	40	63	PT1/4	259	194	180	**GPMT090304-U○**	TS3	①TKY08F
	4	**TAFL5300F40**	●	4	40	63	PT1/4	312	247	233	**GPMT090304-U○**	TS3	①TKY08F
54.0	2	**TAFS5400F40**	●	4	40	63	PT1/4	208	134	128	**GPMT090304-U○**	TS3	①TKY08F
	3	**TAFM5400F40**	●	4	40	63	PT1/4	262	197	182	**GPMT090304-U○**	TS3	①TKY08F
	4	**TAFL5400F40**	●	4	40	63	PT1/4	316	251	236	**GPMT090304-U○**	TS3	①TKY08F
55.0	2	**TAFS5500F40**	●	4	40	63	PT1/4	210	145	130	**GPMT090304-U○**	TS3	①TKY08F
	3	**TAFM5500F40**	●	4	40	63	PT1/4	265	200	185	**GPMT090304-U○**	TS3	①TKY08F
	4	**TAFL5500F40**	●	4	40	63	PT1/4	320	255	240	**GPMT090304-U○**	TS3	①TKY08F
56.0	2	**TAFS5600F40**	●	4	40	63	PT1/4	212	147	132	**GPMT090304-U○**	TS3	①TKY08F
	3	**TAFM5600F40**	●	4	40	63	PT1/4	268	203	188	**GPMT090304-U○**	TS3	①TKY08F
	4	**TAFL5600F40**	●	4	40	63	PT1/4	324	259	244	**GPMT090304-U○**	TS3	①TKY08F

Brocas TAF

Placas

Geometría	Diám. broca	Tipo de placa	Dimensiones (mm)			Calidad					
			D1	S1	Re	NUEVO VP15TF	UP20M	GP20M	UE6020	US735	F5010
Rompevirutas U1 GCMT  GPMT 	ϕ12 – ϕ14.5	**GCMT040204-U1**	5.0	2.38	0.4		●				
	ϕ15 – ϕ17.5	**GPMT060204-U1**	5.56	2.38	0.4		●		●	●	●
	ϕ18 – ϕ22.5	**GPMT070204-U1**	6.35	2.38	0.4		●		●	●	●
	ϕ23 – ϕ27.5 ϕ49 – ϕ56	**GPMT090304-U1**	7.94	3.18	0.4		●		●	●	●
	ϕ28 – ϕ34	**GPMT11T308-U1**	9.525	3.97	0.8		●		●	●	●
	ϕ35 – ϕ48	**GPMT140408-U1**	12.70	4.76	0.8		●		●	●	●
Rompevirutas U2 GCMT  GPMT 	ϕ12 – ϕ14.5	**GCMT040204-U2**	5.0	2.38	0.4	●		●			
	ϕ15 – ϕ17.5	**GPMT060204-U2**	5.56	2.38	0.4	●	●		●	●	●
	ϕ18 – ϕ22.5	**GPMT070204-U2**	6.35	2.38	0.4	●	●		●	●	●
	ϕ23 – ϕ27.5 ϕ49 – ϕ56	**GPMT090304-U2**	7.94	3.18	0.4	●	●		●	●	●
	ϕ28 – ϕ34	**GPMT11T308-U2**	9.525	3.97	0.8	●	●		●	●	●
	ϕ35 – ϕ48	**GPMT140408-U2**	12.70	4.76	0.8	●	●		●	●	●
Rompevirutas U3 GPMT 	ϕ15 – ϕ17.5	**GPMT060204-U3**	5.56	2.38	0.4		●		●	●	●
	ϕ18 – ϕ22.5	**GPMT070204-U3**	6.35	2.38	0.4		●		●	●	●
	ϕ23 – ϕ27.5 ϕ49 – ϕ56	**GPMT090304-U3**	7.94	3.18	0.4		●		●	●	●
	ϕ28 – ϕ34	**GPMT11T308-U3**	9.525	3.97	0.8		●		●	●	●
	ϕ35 – ϕ48	**GPMT140408-U3**	12.70	4.76	0.8		●		●	●	●

Placa recomendada

Rompevirutas recomendada

◎ : 1ª Recomendación ○ : 2ª Recomendación

Material / Rompevirutas	P						M		K			
	Acero dulce		Acero al carbono		Acero aleado		Acero inoxidable		Fundición dúctil		Fundición dúctil	
	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT
U1	◎	◎	○	○	○	○	○	○	○	○	○	○
U2	○	○	◎	○	◎	○	◎	◎	◎	○	◎	○
U3		○		◎		◎		○		◎		◎

Recomendación calidad de placa

◎ : 1ª Recomendación ○ : 2ª Recomendación

Material / Rompevirutas	P						M		K			
	Acero dulce		Acero al carbono		Acero aleado		Acero inoxidable		Fundición dúctil		Fundición dúctil	
	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT
NUEVO **VP15TF**	○	○	◎	○	◎	○	◎	◎	◎	○	◎	○
UP20M	◎	◎	○	○	○	○	○	○	○	○	○	◎
GP20M	○		◎		◎		◎		◎		◎	
UE6020		○		◎		◎		○		○		○
US735		○		○		○		◎		○		○
F5010										◎		◎

● : Existencias en Europa.

Condiciones de corte recomendadas

	Material	Dureza	Velocidad de corte (m/min) Para l/d=2, 3 (ϕ12 – ϕ14.5)	Velocidad de corte (m/min) Para l/d=2, 3 (ϕ15 –)	Velocidad de corte (m/min) Para l/d=4 (ϕ16 –)	Rompevirutas	Avance (mm/rev.) Diámetro broca (mm) ϕ12 – ϕ14.5	ϕ15 – ϕ22.5	ϕ23 – ϕ34	ϕ35 – ϕ48	ϕ49 – ϕ56
P	Acero dulce	≤180HB	150 (100 – 200)	200 (150 – 300)	140 (100 – 200)	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)
						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 – 280HB	120 (80 – 160)	150 (120 – 180)	100 (80 – 120)	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)
						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 – 280HB	120 (80 – 160)	150 (120 – 180)	100 (80 – 120)	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)
						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 (80 – 120)	150 (120 – 200)	110 (80 – 140)	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)
						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 dúctil	Resistencia a la tracción ≤350N/mm^2	120 (80 – 160)	150 (120 – 180)	140 (110 – 160)	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)
						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 ≤450N/mm^2	120 (80 – 150)	150 (120 – 180)	100 (80 – 120)	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)
						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)

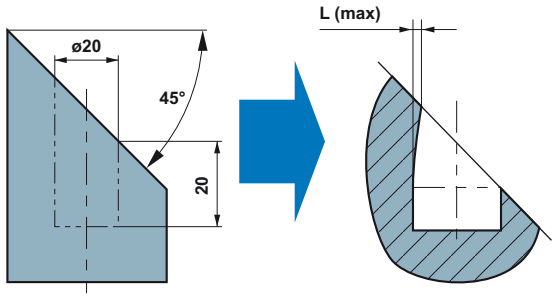
Nota: Al utilizar brocas para l/d=4, el avance debería reducirse al 80% de las recomendaciones previas.

Brocas TAF

Aplicaciones

●Taladrado de caras anguladas

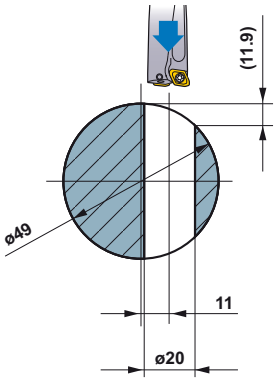
Material: DIN 42CrMo4 (180 HB - 280 HB)
Diámetro de broca: ø20 (tipo 3D).
Velocidad de corte: 80 m/min. Avance: 0.08 mm/rev.

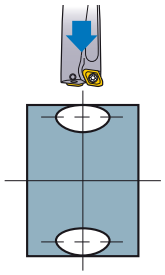


	L (mm)	L (max)
TAF	0.11	Bueno
Competidor A	0.17	Bueno
Competidor B	0.13	Los filos de corte interior y exterior se fracturan

●Taladrado de piezas redondas

Material: DIN 42CrMo4 (180 HB - 280 HB)
Diámetro de broca: ø20 (tipo 3D). Velocidad de corte: 50, 80 y 100 m/min. Avance: 0.08 mm/rev. (corte inicial 0.05 mm/rev.)

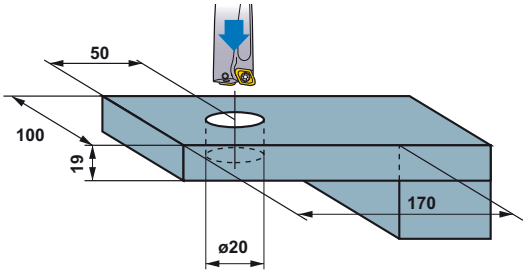


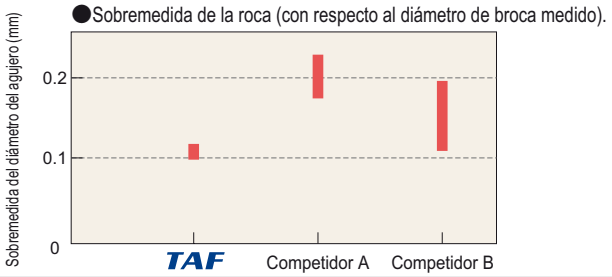


El filo de corte interior de la broca de la competencia se fractura.

●Taladrado de lados abiertos

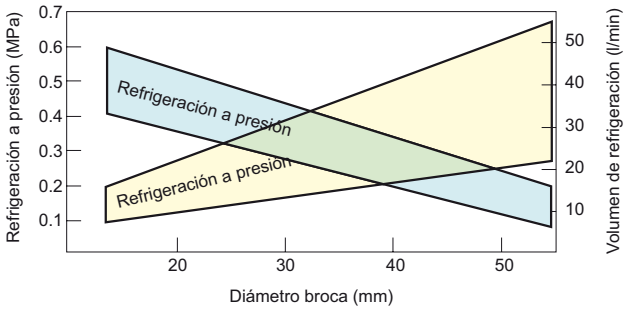
Material: DIN Ck50 (120 HB - 180 HB) Diámetro de broca: ø20 (tipo 3D). Velocidad de corte: 80 m/min. Avance: 0.08 mm/rev.





●Por favor, asegúrese de que existe la máxima rigidez posible entre el eje de la máquina y el cono de amarre.

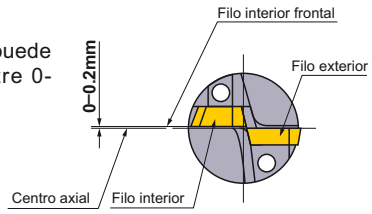
●Ver el siguiente gráfico para la presión y volumen del refrigerante. La refrigeración es un factor importante en la utilización eficaz de estas brocas.



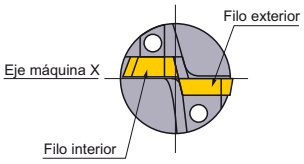
●No se puede utilizar para taladrar planchas superpuestas.
Al igual que muchas brocas con placas intercambiables, estas producen unos discos que al no poder ser evacuados al mecanizar pueden producir roturas.

●Utilización en un torno

(1) El filo de corte interior puede estar posicionado entre 0-0.2mm sobre el centro.

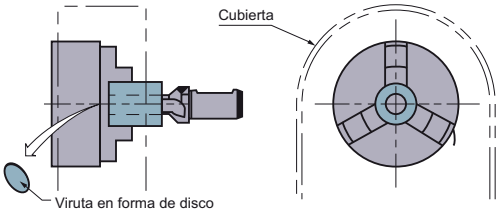


(2) Para ajustar el diámetro del agujero con el desplazamiento de la broca, el filo de corte y el eje de la máquina deben estar en paralelo.



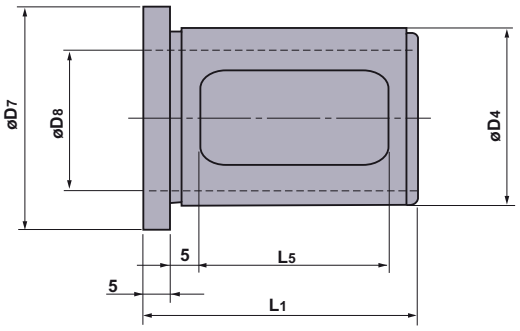
(3) Cuando producimos un agujero de sobremedida. El desplazamiento no debe ser más del 2% del diámetro. No es posible realizar agujeros más pequeños.

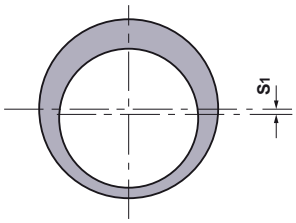
(4) Cuando taladramos un agujero pasante en un torno, el disco producido al taladrar el material puede ser expulsado por la alta velocidad. Para reducir el peligro de daños o deterioro es muy recomendable protegerlo con la cubierta.



JUST FIT SLEEVE

Casquillo diseñado para conseguir mejores resultados con la broca TAF, permite incrementar el diámetro de la broca en intervalos de 0.1mm.





*Aumento: Tamaño de aumento en el diámetro de corte.

Referencia conjunto	Referencia individual	Stock	Dimensiones (mm)					*Aumento (S1×2)	Indicado broca TAF
			D7	D4	D8	L1	L5		
JFS-1	JFS2520-10	●	33	25	20	43	30	0.10	TAFS/M/L1200F20 ~ TAFS/M/L1550F20
	2520-20	●	33	25	20	43	30	0.20	
	2520-30	●	33	25	20	43	30	0.30	
	2520-40	●	33	25	20	43	30	0.40	
	2520-50	●	33	25	20	43	30	0.50	
JFS-2	JFS3225-10	●	40	32	25	50	34	0.10	TAFS/M/L1600F25 ~ TAFS/M/L2450F25
	3225-20	●	40	32	25	50	34	0.20	
	3225-30	●	40	32	25	50	34	0.30	
	3225-40	●	40	32	25	50	34	0.40	
	3225-50	●	40	32	25	50	34	0.50	
JFS-3	JFS4032-10	●	48	40	32	55	40	0.10	TAFS/M/L2500F32 ~ TAFS/M/L2950F32
	4032-20	●	48	40	32	55	40	0.20	
	4032-30	●	48	40	32	55	40	0.30	
	4032-40	●	48	40	32	55	40	0.40	
	4032-50	●	48	40	32	55	40	0.50	

● : Existencias en Europa.

Guía para elegir just fit sleeve

Diám. deseado = Broca φ+ Incremento de JFS + 0.1mm

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

ø20.3=(TAS/M/L2000F25+JFS3225-20)+0.1

- TAS/M/L2000F25 → Broca de 20mm
- JFS3225-20 → Utilizando JFS un incremento de 0.2mm.
- 0.1 → Voladizo

<Herramienta seleccionada>
Broca TAF : **TAFM2000F25**
JUST FIT SLEEVE
: **JFS3225-20**

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