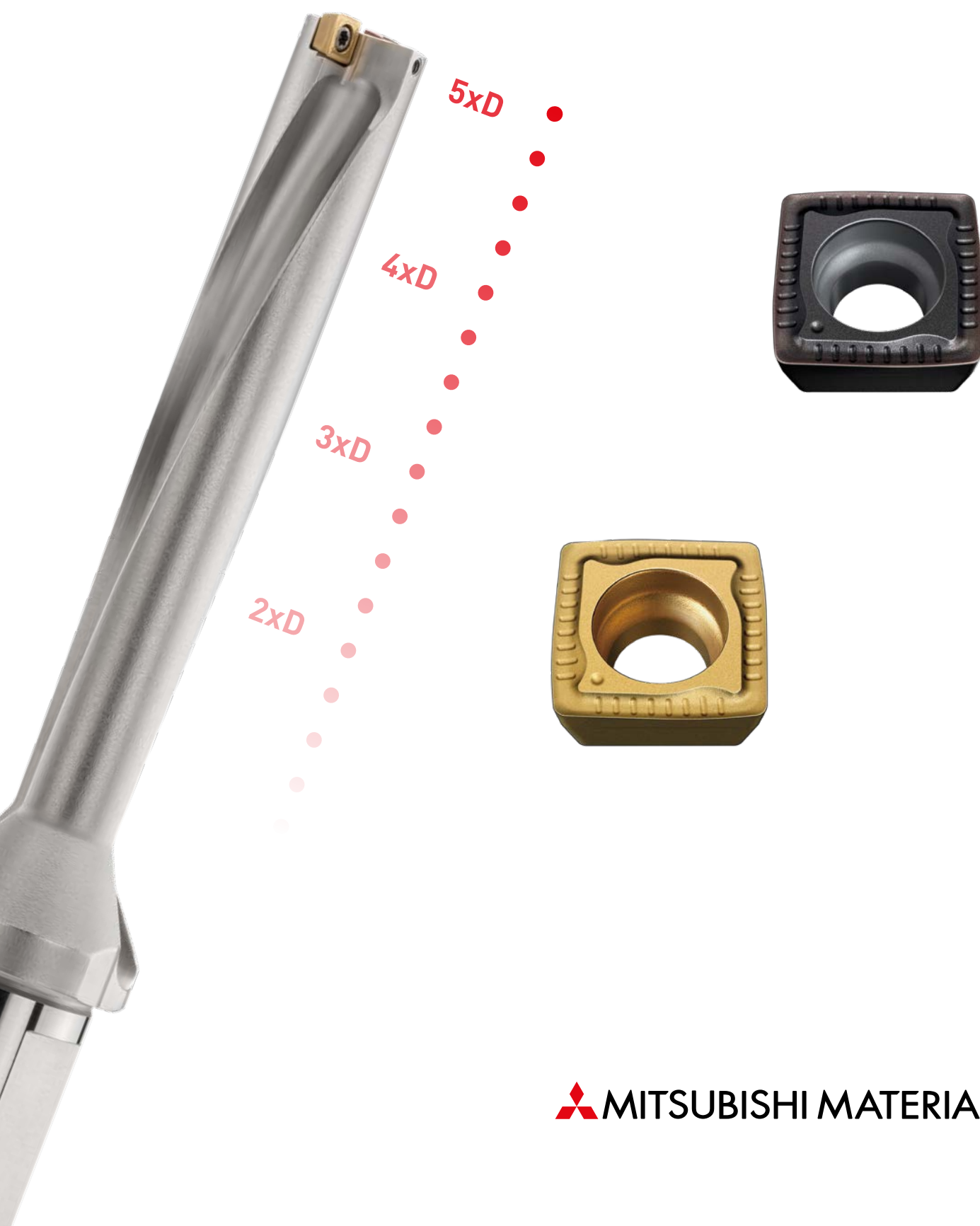


MVX + MINI MVX

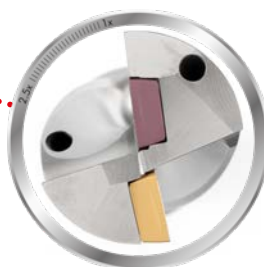
BROCA CON PLACA INTERCAMBIABLE
ÚLTIMA TECNOLOGÍA QUE PROPORCIONA UNA ELEVADA
RIGIDEZ DEL CUERPO



MVX + MINI MVX

BROCA CON PLACAS INTERCAMBIABLES

4 FILOS DE CORTE



Placa económica de 4 filos de corte.

TIPOS DE PLACAS



Diferentes tipos de placas para una amplia gama de materiales de trabajo y aplicaciones.

EXCELENTES ACABADOS DE LAS SUPERFICIES



Wiper

La geometría de tipo wiper del filo de corte periférico ofrece una excelente precisión.

COMBINACIÓN IDEAL DE PLACAS DE CVD Y PVD

Mientras que para el filo periférico se utiliza una placa con recubrimiento de CVD muy resistente al desgaste, para la posición interior se emplea una placa con recubrimiento de PVD que le confiere una estabilidad adicional.

MINI MVX: PROFUNDIDAD DE TALADRADO ~ 5 LD

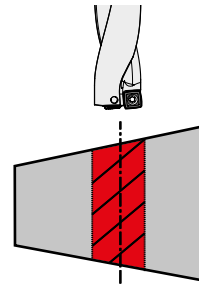
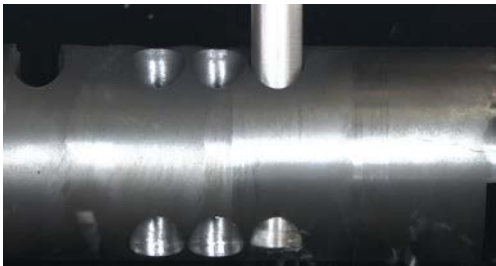
Cuerpo de elevada rigidez y posición de la placa optimizada que controla la deformación y la vibración del portaherramientas.

EJEMPLOS DE APLICACIONES ESPECIALES

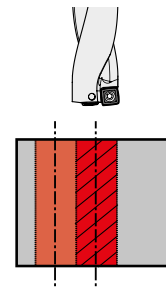
Ejemplos de aplicación

Tipo de corte

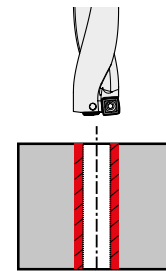
TALADRADO EN PENDIENTE



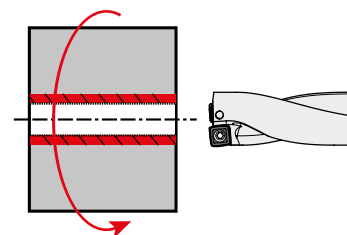
AGUJEROS SOLAPADOS



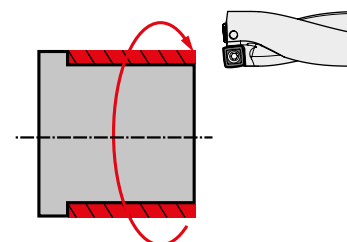
MANDRINADO



TORNEADO INTERIOR



TORNEADO EXTERIOR



Para aplicaciones especiales, utilice únicamente un cuerpo de herramienta con una longitud de hasta DCx4.

ROMPEVIRUTAS

ROMPEVIRUTAS UH PARA ACERO ENDURECIDO

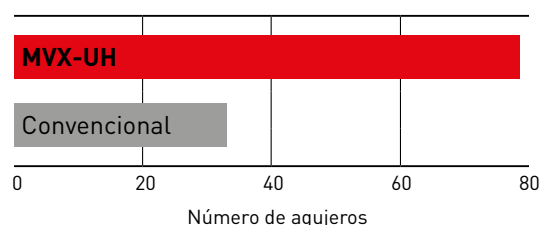
Filo de corte reforzado para el taladrado de acero endurecido de hasta 45 HRC.

RESULTADOS DE CORTE

Broca	MVX1700X3F20
Placa	MC1020-UM exterior DP8020-UH interior
Material de trabajo	DIN X40CrMoV51 (45 HRC)
Vc (m/min)	50
f (mm/rev)	0.08
ap (mm)	30 (agujero pasante)



Comparación del número de agujeros taladrados



ROMPEVIRUTAS UN PARA ALEACIONES DE ALUMINIO

El rompevirutas UN se ha diseñado con un afilado filo rectificado que ofrece una excelente evacuación de las virutas. El fundido del aluminio también se evita gracias a las superficies de incidencia lisas.



Comparación de la calidad de acabado de las superficies



ROMPEVIRUTAS UN (TF15)

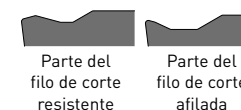
Convencional

RESULTADOS DE CORTE

Broca	MVX1700X5F20
Placa	TF15-UN exterior TF15-UN interior
Material de trabajo	JIS ADC12
Vc (m/min)	400
f (mm/rev)	0.05
ap (mm)	40 (agujero ciego)

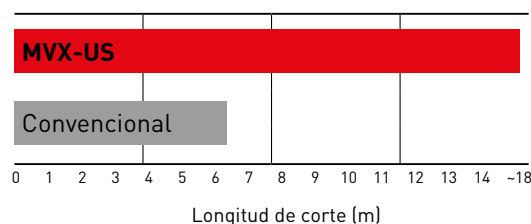
ROMPEVIRUTAS US PARA ACERO INOXIDABLE

Diseño específico para el filo interior. Excelente resistencia a la rotura y al fundido.



Parte del filo de corte resistente
Parte del filo de corte afilada

Comparación de la longitud de corte



RESULTADOS DE CORTE

Broca	MVX3000X3F32
Placa	MC1020-UM exterior VP15TF-US interior
Material de trabajo	DIN X5CrNi18-10
Vc (m/min)	120
f (mm/rev)	0.12
ap (mm)	50 (agujero pasante)

ROMPEVIRUTAS UM PARA USO GENERAL EN VELOCIDADES DE AVANCE MEDIAS Y ALTAS

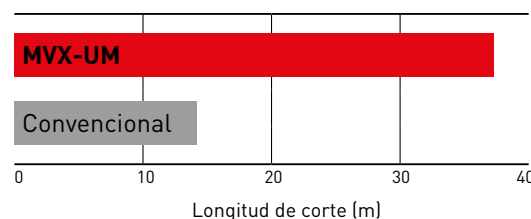
Rompevirutas de uso general para acero, acero inoxidable, fundición y acero endurecido.

RESULTADOS DE CORTE

Broca	MVX1900X3F25
Placa	MC1020-UM exterior VP15TF-UM interior
Material de trabajo	DIN C50
Vc (m/min)	220
f (mm/rev)	0.1
ap (mm)	50 (agujero pasante)



Comparación de la longitud de corte



PLACAS

La velocidad de corte periférica es, naturalmente, más baja hacia el centro de la broca, lo que facilita la aparición del fundido de las virutas. A continuación se describen algunos puntos importantes que le ayudarán a elegir la placa correcta.

1.ª recomendación		Rotura de la placa exterior	
Exterior	Interior	Exterior	Interior
P	MC1020	VP15TF	VP15TF
			
	UM	UM	UM
M	MC1020	VP15TF	VP15TF
			
	UM	UM	US
K	MC5020	VP15TF	VP15TF
			
	UM	UM	UM
N	TF15	TF15	
			
	UN	UN	
H	MC1020	DP8020	VP15TF
			
	UM	UH	UH

CARACTERÍSTICAS DEL RECUBRIMIENTO

MC1020

MC1020 es un recubrimiento de CVD para unas velocidades de corte más elevadas. Sus principales propiedades son una mayor resistencia a la deformación plástica y al desgaste para mejorar la fiabilidad.

DP8020

Combinación de un duradero sustrato especial de metal duro y un recubrimiento de Ti-Al-Si de excepcional dureza.
DP8020 es una calidad de metal duro con recubrimiento de PVD apta para acero endurecido (45 HRC o inferior) y para evitar roturas durante el mecanizado de acero y la fundición.

MC5020

MC5020 es un recubrimiento de CVD apto para el taladrado de fundición. Cuenta con una excelente resistencia a la abrasión y ofrece una prolongada vida útil gracias al control de la virutas y el agrietamiento térmico que se produce durante el taladrado de funciones nodulares.

VP15TF

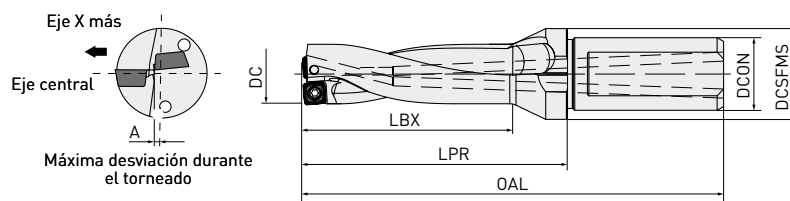
VP15TF es un recubrimiento de PVD ideal para una amplia gama de aplicaciones. El sustrato de micrograno y el recubrimiento Miracle ofrecen una excelente resistencia a la abrasión.

TF15

La calidad TF15 es un metal duro micrograno sin recubrimiento con un afilado filo de corte para el taladrado de aleaciones de aluminio.

MINI MVX

P M K

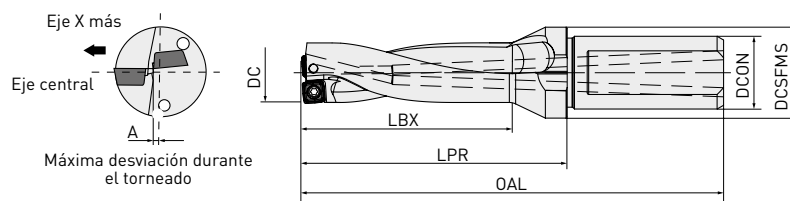


Referencia	DC	L x DC	Stock	LBX	LPR	OAL	DCON	DCSFMS	A	Placa
MVX1400X2F20	14.0	2	●	35	50	93	20	25	0.6	SOX05
MVX1400X3F20		3	●	49	64	107	20	25	0.6	
MVX1400X4F20		4	●	63	78	121	20	25	0.6	
MVX1400X5F20		5	●	77	92	135	20	25	0.6	
MVX1450X2F20	14.5	2	●	36	51	94	20	25	0.5	SOX05
MVX1450X3F20		3	●	50.5	65.5	108.5	20	25	0.5	
MVX1450X4F20		4	●	65	80	123	20	25	0.5	
MVX1450X5F20		5	●	79.5	94.5	137.5	20	25	0.5	
MVX1500X2F20	15.0	2	●	37	52	95	20	25	0.35	SOX05
MVX1500X3F20		3	●	52	67	110	20	25	0.35	
MVX1500X4F20		4	●	67	82	125	20	25	0.35	
MVX1500X5F20		5	●	82	97	140	20	25	0.35	
MVX1550X2F20	15.5	2	●	38	53	96	20	25	0.3	SOX05
MVX1550X3F20		3	●	53.5	68.5	111.5	20	25	0.3	
MVX1550X4F20		4	●	69	84	127	20	25	0.3	
MVX1550X5F20		5	●	84.5	99.5	142.5	20	25	0.3	
MVX1600X2F20	16.0	2	●	39	54	97	20	25	0.25	SOX05
MVX1600X3F20		3	●	55	70	113	20	25	0.25	
MVX1600X4F20		4	●	71	86	129	20	25	0.25	
MVX1600X5F20		5	●	87	102	145	20	25	0.25	
MVX1650X2F20	16.5	2	●	40	55	98	20	25	0.25	SOX05
MVX1650X3F20		3	●	56.5	71.5	114.5	20	25	0.25	
MVX1650X4F20		4	●	73	88	131	20	25	0.25	
MVX1650X5F20		5	●	89.5	104.5	147.5	20	25	0.25	

1/1



MVX



Referencia	DC	L x DC	Stock	LBX	LPR	OAL	DCON	DCSFMS	A	Placa
MVX1700X2F20	17.0	2	●	41	56	99	20	25	0.5	SOX06
MVX1700X3F20		3	●	58	73	116	20	25	0.5	
MVX1700X4F20		4	●	75	90	133	20	25	0.5	
MVX1700X5F20		5	●	92	107	150	20	25	0.5	
MVX1700X6F20		6	●	109	124	167	20	25	0.5	
MVX1750X2F25	17.5	2	●	42	62	112	25	32	0.45	SOX06
MVX1750X3F25		3	●	59.5	79.5	129.5	25	32	0.45	
MVX1750X4F25		4	●	77	97	147	25	32	0.45	
MVX1750X5F25		5	●	94.5	114.5	164.5	25	32	0.45	
MVX1750X6F25		6	●	112	132	182	25	32	0.45	
MVX1800X2F25	18.0	2	●	43	63	113	25	32	0.4	SOX06
MVX1800X3F25		3	●	61	81	131	25	32	0.4	
MVX1800X4F25		4	●	79	99	149	25	32	0.4	
MVX1800X5F25		5	●	97	117	167	25	32	0.4	
MVX1800X6F25		6	●	115	135	185	25	32	0.4	
MVX1850X2F25	18.5	2	●	44	64	114	25	32	0.35	SOX06
MVX1850X3F25		3	●	62.5	82.5	132.5	25	32	0.35	
MVX1850X4F25		4	●	81	101	151	25	32	0.35	
MVX1850X5F25		5	●	99.5	119.5	169.5	25	32	0.35	
MVX1850X6F25		6	●	118	138	188	25	32	0.35	
MVX1900X2F25	19.0	2	●	45	65	115	25	32	0.3	SOX06
MVX1900X3F25		3	●	64	84	134	25	32	0.3	
MVX1900X4F25		4	●	83	103	153	25	32	0.3	
MVX1900X5F25		5	●	102	122	172	25	32	0.3	
MVX1900X6F25		6	●	121	141	191	25	32	0.3	
MVX1950X2F25	19.5	2	●	46	66	116	25	32	0.25	SOX06
MVX1950X3F25		3	●	65.5	85.5	135.5	25	32	0.25	
MVX1950X4F25		4	●	85	105	155	25	32	0.25	
MVX1950X5F25		5	●	104.5	124.5	174.5	25	32	0.25	
MVX1950X6F25		6	●	124	144	194	25	32	0.25	
MVX2000X2F25	20.0	2	●	47	67	117	25	32	0.6	SOX07
MVX2000X3F25		3	●	67	87	137	25	32	0.6	
MVX2000X4F25		4	●	87	107	157	25	32	0.6	
MVX2000X5F25		5	●	107	127	177	25	32	0.6	
MVX2000X6F25		6	●	127	147	197	25	32	0.6	
MVX2050X2F25	20.5	2	●	48	68	118	25	32	0.55	SOX07
MVX2050X3F25		3	●	68.5	88.5	138.5	25	32	0.55	

1/7

MVX

Referencia	DC	L x DC	Stock	LBX	LPR	OAL	DCON	DCSFMS	A	Placa
MVX2100X2F25	21.0	2	●	49	69	119	25	32	0.5	SOX07
MVX2100X3F25		3	●	70	90	140	25	32	0.5	
MVX2100X4F25		4	●	91	111	161	25	32	0.5	
MVX2100X5F25		5	●	112	132	182	25	32	0.5	
MVX2100X6F25		6	●	133	153	203	25	32	0.5	
MVX2150X2F25	21.5	2	●	50	70	120	25	32	0.45	SOX07
MVX2150X3F25		3	●	71.5	91.5	141.5	25	32	0.45	
MVX2200X2F25	22.0	2	●	51	71	121	25	32	0.4	SOX07
MVX2200X3F25		3	●	73	93	143	25	32	0.4	
MVX2200X4F25		4	●	95	115	165	25	32	0.4	
MVX2200X5F25		5	●	117	137	187	25	32	0.4	
MVX2200X6F25		6	●	139	159	209	25	32	0.4	
MVX2250X2F25	22.5	2	●	52	72	122	25	32	0.35	SOX07
MVX2250X3F25		3	●	74.5	94.5	144.5	25	32	0.35	
MVX2300X2F25	23.0	2	●	53	73	123	25	32	0.8	SOX08
MVX2300X3F25		3	●	76	96	146	25	32	0.8	
MVX2300X4F25		4	●	99	119	169	25	32	0.8	
MVX2300X5F25		5	●	122	142	192	25	32	0.8	
MVX2300X6F25		6	●	145	165	215	25	32	0.8	
MVX2350X2F25	23.5	2	●	54	74	124	25	32	0.75	SOX08
MVX2350X3F25		3	●	77.5	97.5	147.5	25	32	0.75	
MVX2400X2F25	24.0	2	●	55	75	125	25	32	0.7	SOX08
MVX2400X3F25		3	●	79	99	149	25	32	0.7	
MVX2400X4F25		4	●	103	123	173	25	32	0.7	
MVX2400X5F25		5	●	127	147	197	25	32	0.7	
MVX2400X6F25		6	●	151	171	221	25	32	0.7	
MVX2450X2F25	24.5	2	●	56	76	126	25	32	0.65	
MVX2450X3F25		3	●	80.5	100.5	150.5	25	32	0.65	
MVX2500X2F25	25.0	2	●	57	77	127	25	32	0.6	SOX08
MVX2500X3F25		3	●	82	102	152	25	32	0.6	
MVX2500X4F25		4	●	107	127	177	25	32	0.6	
MVX2500X5F25		5	●	132	152	202	25	32	0.6	
MVX2500X6F25		6	●	157	177	227	25	32	0.6	
MVX2550X2F25	25.5	2	●	58	78	128	25	32	0.6	SOX08
MVX2550X3F25		3	●	83.5	103.5	153.5	25	32	0.6	
MVX2600X2F32	26.0	2	●	59	79	134	32	42	0.5	SOX08
MVX2600X3F32		3	●	85	105	160	32	42	0.5	
MVX2600X4F32		4	●	111	131	186	32	42	0.5	
MVX2600X5F32		5	●	137	157	212	32	42	0.5	
MVX2600X6F32		6	●	163	183	238	32	42	0.5	
MVX2650X2F32	26.5	2	●	60	80	135	32	42	0.5	SOX08
MVX2650X3F32		3	●	86.5	106.5	161.5	32	42	0.5	
MVX2700X2F32	27.0	2	●	61	81	136	32	42	0.45	SOX08
MVX2700X3F32		3	●	88	108	163	32	42	0.45	
MVX2700X4F32		4	●	115	135	190	32	42	0.45	
MVX2700X5F32		5	●	142	162	217	32	42	0.45	
MVX2700X6F32		6	●	169	189	244	32	42	0.45	
MVX2750X2F32	27.5	2	●	62	82	137	32	42	0.4	SOX08
MVX2750X3F32		3	●	89.5	109.5	164.5	32	42	0.4	

2/7

MVX

Referencia	DC	L x DC	Stock	LBX	LPR	OAL	DCON	DCSFMS	A	Placa
MVX2800X2F32	28.0	2	●	63	83	138	32	42	0.85	SOX09
MVX2800X3F32		3	●	91	111	166	32	42	0.85	
MVX2800X4F32		4	●	119	139	194	32	42	0.85	
MVX2800X5F32		5	●	147	167	222	32	42	0.85	
MVX2800X6F32		6	●	175	195	250	32	42	0.85	
MVX2850X2F32	28.5	2	●	64	84	139	32	42	0.8	SOX09
MVX2850X3F32		3	●	92.5	112.5	167.5	32	42	0.8	
MVX2900X2F32	29.0	2	●	65	85	140	32	42	0.75	SOX09
MVX2900X3F32		3	●	94	114	169	32	42	0.75	
MVX2900X4F32		4	●	123	143	198	32	42	0.75	
MVX2900X5F32		5	●	152	172	227	32	42	0.75	
MVX2900X6F32		6	●	181	201	256	32	42	0.75	
MVX2950X2F32	29.5	2	●	66	86	141	32	42	0.7	SOX09
MVX2950X3F32		3	●	95.5	115.5	170.5	32	42	0.7	
MVX3000X2F32	30.0	2	●	67	87	142	32	42	0.65	SOX09
MVX3000X3F32		3	●	97	117	172	32	42	0.65	
MVX3000X4F32		4	●	127	147	202	32	42	0.65	
MVX3000X5F32		5	●	157	177	232	32	42	0.65	
MVX3000X6F32		6	●	187	207	262	32	42	0.65	
MVX3050X3F32	30.5	3	●	98.5	118.5	173.5	32	42	0.6	SOX09
MVX3100X2F40	31.0	2	●	69	89	154	40	50	0.55	SOX09
MVX3100X3F40		3	●	100	120	185	40	50	0.55	
MVX3100X4F40		4	●	131	151	216	40	50	0.55	
MVX3100X5F40		5	●	162	182	247	40	50	0.55	
MVX3100X6F40		6	●	193	213	278	40	50	0.55	
MVX3150X3F40	31.5	3	●	101.5	121.5	186.5	40	50	0.55	SOX09
MVX3200X2F40	32.0	2	●	71	91	156	40	50	0.45	SOX09
MVX3200X3F40		3	●	103	123	188	40	50	0.45	
MVX3200X4F40		4	●	135	155	220	40	50	0.45	
MVX3200X5F40		5	●	167	187	252	40	50	0.45	
MVX3200X6F40		6	●	199	219	284	40	50	0.45	
MVX3250X3F40	32.5	3	●	104.5	124.5	189.5	40	50	0.45	SOX09
MVX3300X2F40	33.0	2	●	73	93	158	40	50	0.4	SOX09
MVX3300X3F40		3	●	106	126	191	40	50	0.4	
MVX3300X4F40		4	●	139	159	224	40	50	0.4	
MVX3300X5F40		5	●	172	192	257	40	50	0.4	
MVX3300X6F40		6	●	205	225	290	40	50	0.4	
MVX3350X3F40	33.5	3	●	107.5	127.5	192.5	40	50	1.2	SOX11
MVX3400X2F40	34.0	2	●	75	105	170	40	50	1.1	SOX11
MVX3400X3F40		3	●	109	139	204	40	50	1.1	
MVX3400X4F40		4	●	143	173	238	40	50	1.1	
MVX3400X5F40		5	●	177	207	272	40	50	1.1	
MVX3400X6F40		6	●	211	241	306	40	50	1.1	
MVX3450X3F40	34.5	3	●	110.5	140.5	205.5	40	50	1.1	SOX11
MVX3500X2F40	35.0	2	●	77	107	172	40	50	1.0	SOX11
MVX3500X3F40		3	●	112	142	207	40	50	1.0	
MVX3500X4F40		4	●	147	177	242	40	50	1.0	
MVX3500X5F40		5	●	182	212	277	40	50	1.0	
MVX3500X6F40		6	●	217	247	312	40	50	1.0	
MVX3550X3F40	35.5	3	●	113.5	143.5	208.5	40	50	1.0	SOX11

3/7

MVX

Referencia	DC	L x DC	Stock	LBX	LPR	OAL	DCON	DCSFMS	A	Placa
MVX3600X2F40	36.0	2	●	79	109	174	40	50	1.0	SOX11
MVX3600X3F40		3	●	115	145	210	40	50	1.0	
MVX3600X4F40		4	●	151	181	246	40	50	1.0	
MVX3600X5F40		5	●	187	217	282	40	50	1.0	
MVX3600X6F40		6	●	223	253	318	40	50	0.9	
MVX3700X2F40	37.0	2	●	81	111	176	40	50	0.9	SOX11
MVX3700X3F40		3	●	118	148	213	40	50	0.9	
MVX3700X4F40		4	●	155	185	250	40	50	0.9	
MVX3700X5F40		5	●	192	222	287	40	50	0.9	
MVX3700X6F40		6	●	229	259	324	40	50	0.9	
MVX3800X2F40	38.0	2	●	83	113	178	40	50	0.8	SOX11
MVX3800X3F40		3	●	121	151	216	40	50	0.8	
MVX3800X4F40		4	●	159	189	254	40	50	0.8	
MVX3800X5F40		5	●	197	227	292	40	50	0.8	
MVX3800X6F40		6	●	235	265	330	40	50	0.8	
MVX3900X2F40	39.0	2	●	85	115	180	40	50	0.7	SOX11
MVX3900X3F40		3	●	124	154	219	40	50	0.7	
MVX3900X4F40		4	●	163	193	258	40	50	0.7	
MVX3900X5F40		5	●	202	232	297	40	50	0.7	
MVX3900X6F40		6	●	241	271	336	40	50	0.7	
MVX4000X2F40	40.0	2	●	87	117	182	40	50	1.5	SOX13
MVX4000X3F40		3	●	127	157	222	40	50	1.5	
MVX4000X4F40		4	●	167	197	262	40	50	1.5	
MVX4000X5F40		5	●	207	237	302	40	50	1.5	
MVX4000X6F40		6	●	247	277	342	40	50	1.4	
MVX4100X2F40	41.0	2	●	89	119	184	40	50	1.4	SOX13
MVX4100X3F40		3	●	130	160	225	40	50	1.4	
MVX4100X4F40		4	●	171	201	266	40	50	1.4	
MVX4100X5F40		5	●	212	242	307	40	50	1.4	
MVX4100X6F40		6	●	253	283	348	40	50	1.4	
MVX4200X2F40	42.0	2	●	91	121	186	40	50	1.3	SOX13
MVX4200X3F40		3	●	133	163	228	40	50	1.3	
MVX4200X4F40		4	●	175	205	270	40	63	1.3	
MVX4200X4F50		4	★	175	205	280	50	63	1.3	
MVX4200X5F40		5	●	217	247	312	40	63	1.3	
MVX4200X5F50		5	★	217	247	322	50	63	1.3	
MVX4200X6F40		6	●	259	289	354	40	63	1.3	
MVX4200X6F50		6	★	259	289	364	50	63	1.3	
MVX4300X2F40	43.0	2	●	93	123	188	40	50	1.2	SOX13
MVX4300X3F40		3	●	136	166	231	40	50	1.2	
MVX4300X4F40		4	●	179	209	274	40	63	1.2	
MVX4300X4F50		4	★	179	209	284	50	63	1.2	
MVX4300X5F40		5	●	222	252	317	40	63	1.2	
MVX4300X5F50		5	★	222	252	327	50	63	1.2	
MVX4300X6F40		6	●	265	295	360	40	63	1.2	
MVX4300X6F50		6	★	265	295	370	50	63	1.2	

4/7

MVX

Referencia	DC	L x DC	Stock	LBX	LPR	OAL	DCON	DCSFMS	A	Placa
MVX4400X2F40	44.0	2	●	95	125	190	40	50	1.1	SOX13
MVX4400X3F40		3	●	139	169	234	40	50	1.1	
MVX4400X4F40		4	●	183	213	278	40	63	1.1	
MVX4400X4F50		4	★	183	213	288	50	63	1.1	
MVX4400X5F40		5	●	227	257	322	40	63	1.1	
MVX4400X5F50		5	★	227	257	332	50	63	1.1	
MVX4500X2F40	45.0	2	●	97	127	192	40	50	1.0	SOX13
MVX4500X3F40		3	●	142	172	237	40	50	1.0	
MVX4500X4F40		4	●	187	217	282	40	63	1.0	
MVX4500X4F50		4	★	187	217	292	50	63	1.0	
MVX4500X5F40		5	●	232	262	327	40	63	1.0	
MVX4500X5F50		5	★	232	262	337	50	63	1.0	
MVX4600X2F40	46.0	2	●	99	129	194	40	50	0.9	SOX13
MVX4600X3F40		3	●	145	175	240	40	50	0.9	
MVX4600X4F40		4	●	191	221	286	40	63	0.9	
MVX4600X4F50		4	★	191	221	296	50	63	0.9	
MVX4600X5F40		5	●	237	267	332	40	63	0.9	
MVX4600X5F50		5	★	237	267	342	50	63	0.9	
MVX4700X2F40	47.0	2	●	101	141	206	40	63	1.9	SOX16
MVX4700X3F40		3	●	148	188	253	40	63	1.9	
MVX4700X4F40		4	●	195	235	300	40	63	1.9	
MVX4700X4F50		4	★	195	235	310	50	63	1.9	
MVX4700X5F40		5	●	242	282	347	40	63	1.9	
MVX4700X5F50		5	★	242	282	357	50	63	1.9	
MVX4800X2F40	48.0	2	●	103	143	208	40	63	1.8	SOX16
MVX4800X3F40		3	●	151	191	256	40	63	1.8	
MVX4800X4F40		4	●	199	239	304	40	63	1.8	
MVX4800X4F50		4	★	199	239	314	50	63	1.8	
MVX4800X5F40		5	●	247	287	352	40	63	1.8	
MVX4800X5F50		5	★	247	287	362	50	63	1.8	
MVX4900X2F40	49.0	2	●	105	145	210	40	63	1.7	SOX16
MVX4900X3F40		3	●	154	194	259	40	63	1.7	
MVX4900X4F40		4	●	203	243	308	40	63	1.7	
MVX4900X4F50		4	★	203	243	318	50	63	1.7	
MVX4900X5F40		5	●	252	292	357	40	63	1.7	
MVX4900X5F50		5	★	252	292	367	50	63	1.7	
MVX5000X2F40	50.0	2	●	107	147	212	40	63	1.6	SOX16
MVX5000X3F40		3	●	157	197	262	40	63	1.6	
MVX5000X4F40		4	●	207	247	312	40	63	1.6	
MVX5000X4F50		4	★	207	247	322	50	63	1.6	
MVX5000X5F40		5	●	257	297	362	40	63	1.6	
MVX5000X5F50		5	★	257	297	372	50	63	1.6	
MVX5100X2F40	51.0	2	●	109	149	214	40	63	1.5	SOX16
MVX5100X3F40		3	●	160	200	265	40	63	1.5	
MVX5100X4F40		4	●	211	251	316	40	63	1.5	
MVX5100X4F50		4	★	211	251	326	50	63	1.5	
MVX5100X5F40		5	●	262	302	367	40	63	1.5	
MVX5100X5F50		5	★	262	302	377	50	63	1.5	

5/7



MVX

Referencia	DC	L x DC	Stock	LBX	LPR	OAL	DCON	DCSFMS	A	Placa
MVX5200X2F40	52.0	2	●	111	151	216	40	63	1.4	S00X16
MVX5200X3F40		3	●	163	203	268	40	63	1.4	
MVX5200X4F40		4	●	215	255	320	40	63	1.4	
MVX5200X4F50		4	★	215	255	330	50	63	1.4	
MVX5200X5F40		5	●	267	307	372	40	63	1.4	
MVX5200X5F50		5	★	267	307	382	50	63	1.4	
MVX5300X2F40	53.0	2	●	113	153	218	40	63	1.3	S00X16
MVX5300X3F40		3	●	166	206	271	40	63	1.3	
MVX5300X4F40		4	●	219	259	324	40	63	1.3	
MVX5300X4F50		4	★	219	259	334	50	63	1.3	
MVX5300X5F40		5	●	272	312	377	40	63	1.3	
MVX5300X5F50		5	★	272	312	387	50	63	1.3	
MVX5400X2F40	54.0	2	●	115	155	220	40	63	1.2	S00X16
MVX5400X3F40		3	●	169	209	274	40	63	1.2	
MVX5400X4F40		4	●	223	263	328	40	63	1.2	
MVX5400X4F50		4	★	223	263	338	50	63	1.2	
MVX5400X5F40		5	●	277	317	382	40	63	1.2	
MVX5400X5F50		5	★	277	317	392	50	63	1.2	
MVX5500X2F40	55.0	2	●	117	157	222	40	63	1.1	S00X16
MVX5500X3F40		3	●	172	212	277	40	63	1.1	
MVX5500X4F40		4	●	227	267	332	40	63	1.1	
MVX5500X4F50		4	★	227	267	342	50	63	1.1	
MVX5500X5F40		5	●	282	322	387	40	63	1.1	
MVX5500X5F50		5	★	282	322	397	50	63	1.1	
MVX5600X2F40	56.0	2	●	119	159	224	40	63	1.0	S00X16
MVX5600X3F40		3	●	175	215	280	40	63	1.0	
MVX5600X4F40		4	●	231	271	336	40	63	1.0	
MVX5600X4F50		4	★	231	271	346	50	63	1.0	
MVX5600X5F40		5	●	287	327	392	40	63	1.0	
MVX5600X5F50		5	★	287	327	402	50	63	1.0	
MVX5700X2F40	57.0	2	●	121	161	226	40	68	1.5	S00X18
MVX5700X3F40		3	●	178	218	283	40	68	1.5	
MVX5700X4F40		4	●	235	275	340	40	68	1.5	
MVX5700X4F50		4	★	235	275	350	50	68	1.5	
MVX5700X5F40		5	●	292	332	397	40	68	1.5	
MVX5700X5F50		5	★	292	332	407	50	68	1.5	
MVX5800X2F40	58.0	2	●	123	163	228	40	68	1.4	S00X18
MVX5800X3F40		3	●	181	221	286	40	68	1.4	
MVX5800X4F40		4	●	239	279	344	40	68	1.4	
MVX5800X4F50		4	★	239	279	354	50	68	1.4	
MVX5800X5F40		5	●	297	337	402	40	68	1.4	
MVX5800X5F50		5	★	297	337	412	50	68	1.4	
MVX5900X2F40	59.0	2	●	125	165	230	40	68	1.3	S00X18
MVX5900X3F40		3	●	184	224	289	40	68	1.3	
MVX5900X4F40		4	●	243	283	348	40	68	1.3	
MVX5900X4F50		4	★	243	283	358	50	68	1.3	
MVX5900X5F40		5	●	302	342	407	40	68	1.3	
MVX5900X5F50		5	★	302	342	417	50	68	1.3	

6/7

MVX

Referencia	DC	L x DC	Stock	LBX	LPR	OAL	DCON	DCSFMS	A	Placa
MVX6000X2F40	60.0	2	●	127	167	232	40	68	1.2	SOX18
MVX6000X3F40		3	●	187	227	292	40	68	1.2	
MVX6000X4F40		4	●	247	287	352	40	68	1.2	
MVX6000X4F50		4	★	247	287	362	50	68	1.2	
MVX6000X5F40		5	●	307	347	412	40	68	1.2	
MVX6000X5F50		5	★	307	347	422	50	68	1.2	
MVX6100X2F40	61.0	2	●	129	169	234	40	68	1.1	SOX18
MVX6100X3F40		3	●	190	230	295	40	68	1.1	
MVX6100X4F40		4	●	251	291	356	40	68	1.1	
MVX6100X4F50		4	★	251	291	366	50	68	1.1	
MVX6100X5F40		5	●	312	352	417	40	68	1.1	
MVX6100X5F50		5	★	312	352	427	50	68	1.1	
MVX6200X2F40	62.0	2	●	131	171	236	40	68	1.0	SOX18
MVX6200X3F40		3	●	193	233	298	40	68	1.0	
MVX6200X4F40		4	●	255	295	360	40	68	1.0	
MVX6200X4F50		4	★	255	295	370	50	68	1.0	
MVX6200X5F40		5	●	317	357	422	40	68	1.0	
MVX6200X5F50		5	★	317	357	432	50	68	1.0	
MVX6300X2F40	63.0	2	●	133	173	238	40	68	0.8	SOX18
MVX6300X3F40		3	●	196	236	301	40	68	0.8	
MVX6300X4F40		4	●	259	299	364	40	68	0.8	
MVX6300X4F50		4	★	259	299	374	50	68	0.8	
MVX6300X5F40		5	●	322	362	427	40	68	0.8	
MVX6300X5F50		5	★	322	362	437	50	68	0.8	

7/7

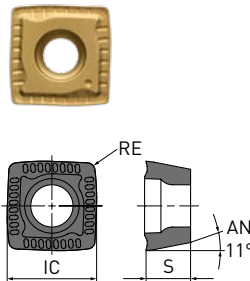
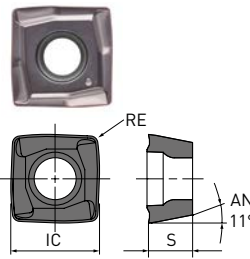
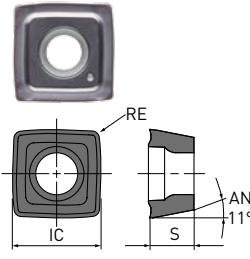
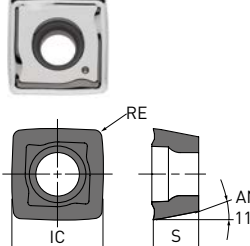
REPUESTOS

Diámetro de la broca (mm)		Par de sujeción (Nm)	Llave
	Tornillo roscado		
14 – 16.5	TPS20-1	0.6	TIP06F
17 – 19.5	TPS25	1.0	TIP07F
20 – 22.5	TPS3	2.0	TIP10W
23 – 27.5	TPS351	2.5	TIP10W
28 – 33	TPS4	3.5	TIP15W
33.5 – 46	TPS43	3.5	TIP15W
47 – 63	TPS54	7.5	TIP25D

TOLERANCIA AL MECANIZADO

L x DC	Ø 14 – 33	Ø 17 – 33	Ø 33.5 – 47	Ø 48 – 63
2-3	+ 0.25 0	+ 0.25 0	+ 0.3 0	+ 0.3 0
4-5	+ 0.35 0	+ 0.35 0	+ 0.4 0	+ 0.45 0
6	+ 0.45 0	+ 0.45 0	+ 0.6 0	—

PLACAS

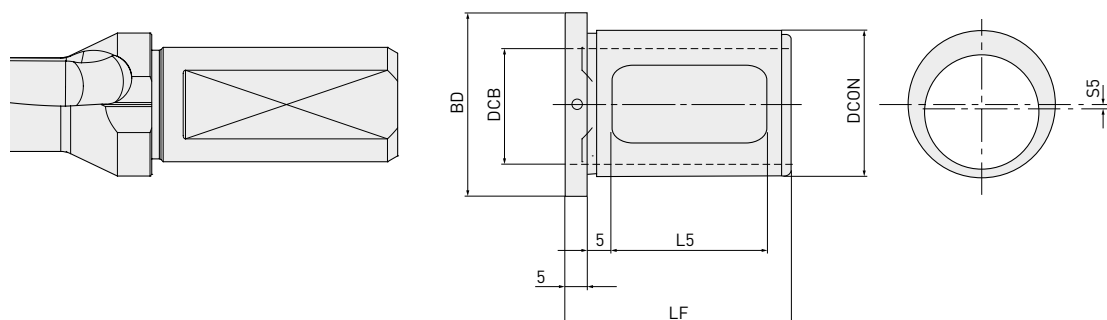
Referencia	MC5020 *	MC1020 *	VP15TF	DP8020	TF15	IC	S	RE	Diám. broca	Forma
UM										
SOMX052704-UM	●	●	●			5.0	2.7	0.4	Ø14 – 16.5	
SOMX063005-UM	●	●	●			6.0	3.0	0.5	Ø17 – 19.5	
SOMX073505-UM	●	●	●			7.0	3.5	0.5	Ø20 – 22.5	
SOMX084005-UM	●	●	●			8.3	4.0	0.5	Ø23 – 27.5	
SOMX094506-UM	●	●	●			9.7	4.5	0.6	Ø28 – 33	
SOMX115506-UM	●	●	●			11.6	5.5	0.6	Ø33.5 – 39	
SOMX136008-UM	●	●	●			13.8	6.0	0.8	Ø40 – 46	
SOMX166508-UM	●	●	●			16.5	6.5	0.8	Ø47 – 56	
SOMX187008-UM	●	●	●			18.2	7.0	0.8	Ø57 – 63	
US										
SOMX063005-US			●			6.0	3.0	0.5	Ø17 – 19.5	
SOMX073505-US			●			7.0	3.5	0.5	Ø20 – 22.5	
SOMX084005-US			●			8.3	4.0	0.5	Ø23 – 27.5	
SOMX094506-US			●			9.7	4.5	0.6	Ø28 – 33	
SOMX115506-US			●			11.6	5.5	0.6	Ø33.5 – 39	
SOMX136008-US			●			13.8	6.0	0.8	Ø40 – 46	
SOMX166508-US			●			16.5	6.5	0.8	Ø47 – 56	
SOMX187008-US			●			18.2	7.0	0.8	Ø57 – 63	
UH										
SOMX062905-UH				●		6.0	2.9	0.5	Ø17 – 19.5	
SOMX073405-UH				●		7.0	3.4	0.5	Ø20 – 22.5	
SOMX083905-UH				●		8.3	3.9	0.5	Ø23 – 27.5	
SOMX094406-UH				●		9.7	4.4	0.6	Ø28 – 33	
SOMX115406-UH				●		11.6	5.4	0.6	Ø33.5 – 39	
SOMX135908-UH				●		13.8	5.9	0.8	Ø40 – 46	
SOMX166408-UH				●		16.5	6.4	0.8	Ø47 – 56	
SOMX186908-UH				●		18.2	6.9	0.8	Ø57 – 63	
UN										
SOGX063005-UN					●	6.0	3.0	0.5	Ø17 – 19.5	
SOGX073505-UN					●	7.0	3.5	0.5	Ø20 – 22.5	
SOGX084005-UN					●	8.3	4.0	0.5	Ø23 – 27.5	
SOGX094506-UN					●	9.7	4.5	0.6	Ø28 – 33	
SOGX115506-UN					●	11.6	5.5	0.6	Ø33.5 – 39	
SOGX136008-UN					●	13.8	6.0	0.8	Ø40 – 46	
SOGX166508-UN					●	16.5	6.5	0.8	Ø47 – 56	
SOGX187008-UN					●	18.2	7.0	0.8	Ø57 – 63	

Las calidades MC1020 y MC5020 se han diseñado exclusivamente para su uso como placa exterior.



JUST FIT SLEEVE [JFS]

AUMENTO DEL DIÁMETRO DE CORTE



Referencia	Referencia kit	Stock	DCB	DCON	BD	LF	L5	Aumento [S5x2] *	Tipo de mango MVX
JFS2520-10	JFS-1	●	20	25	33	43	30	0.1	F20
JFS2520-20		●	20	25	33	43	30	0.2	F20
JFS2520-30		●	20	25	33	43	30	0.3	F20
JFS2520-40		●	20	25	33	43	30	0.4	F20
JFS2520-50		●	20	25	33	43	30	0.5	F20
JFS3225-10	JFS-2	●	25	32	40	50	34	0.1	F25
JFS3225-20		●	25	32	40	50	34	0.2	F25
JFS3225-30		●	25	32	40	50	34	0.3	F25
JFS3225-40		●	25	32	40	50	34	0.4	F25
JFS3225-50		●	25	32	40	50	34	0.5	F25
JFS4032-10	JFS-3	●	32	40	48	55	40	0.1	F32
JFS4032-20		●	32	40	48	55	40	0.2	F32
JFS4032-30		●	32	40	48	55	40	0.3	F32
JFS4032-40		●	32	40	48	55	40	0.4	F32
JFS4032-50		●	32	40	48	55	40	0.5	F32
JFS5040-10	—	★	40	50	68	65	50	0.1	F40
JFS5040-20		★	40	50	68	65	50	0.2	F40
JFS5040-30		★	40	50	68	65	50	0.3	F40
JFS5040-40		★	40	50	68	65	50	0.4	F40
JFS5040-50		★	40	50	68	65	50	0.5	F40

Aumento: tamaño del diámetro de corte aumentado.
No compatible con mangos de Ø 50 mm.

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.

$$\text{Ø}20.3 = (\text{MVX2000 X } \text{F25} + \text{JFS3225-20}) + 0.1$$

<Herramienta seleccionada>
Broca: **MVX2000 X F25**
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

La tolerancia 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.

MVX + MINI MVX

CONDICIONES DE CORTE RECOMENDADAS

Material de trabajo	Dureza	Vc	Rompervituras interior	Ø14 - Ø16.5			Ø17 - Ø19.5			
				f			f			
				LxDC=2 - 3	LxDC=4	LxDC=5	LxDC=2 - 3	LxDC=4	LxDC=5	LxDC=6
P	Acero dulce (C15, Ck15)	≤180 HB (180 - 235)	UM	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.04 (0.04 - 0.05)
			UH	—	—	—	—	—	—	—
	Acero al carbono, acero aleado (Ck45, 41CrMo4)	180 - 280HB (115 - 180)	UM	0.08 (0.06 - 0.14)	0.08 (0.06 - 0.09)	0.08 (0.06 - 0.09)	0.08 (0.06 - 0.14)	0.08 (0.06 - 0.09)	0.08 (0.06 - 0.09)	0.05 (0.04 - 0.06)
			UH	—	—	—	—	—	—	—
	Acero al carbono, acero aleado (100Cr6)	280 - 350HB (75 - 140)	UM	0.08 (0.06 - 0.14)	0.08 (0.06 - 0.09)	0.08 (0.06 - 0.09)	0.08 (0.06 - 0.14)	0.08 (0.06 - 0.09)	0.08 (0.06 - 0.09)	0.05 (0.04 - 0.06)
			UH	—	—	—	—	—	—	—
	Acero para herramientas de aleación (X210Cr12)	≤350 HB (100 - 170)	UM	0.08 (0.06 - 0.14)	0.08 (0.06 - 0.09)	0.08 (0.06 - 0.09)	0.08 (0.06 - 0.14)	0.08 (0.06 - 0.09)	0.08 (0.06 - 0.09)	0.05 (0.04 - 0.06)
			UH	—	—	—	—	—	—	—
M	Acero inoxidable austenítico (X5CrNi18-10, X5CrNiMo17-12-2)	≤200 HB (80 - 180)	US	—	—	—	0.08 (0.06 - 0.12)	0.06 (0.04 - 0.08)	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)
			UM	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.04 (0.04 - 0.05)
	Acero inoxidable austenítico (X2CrNi18-9, X5CrNiMo17-11-2)	>200HB (80 - 180)	US	—	—	—	0.08 (0.06 - 0.12)	0.06 (0.04 - 0.08)	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)
			UM	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.04 (0.04 - 0.05)
	Acero inoxidable ferrítico y martensítico (X12Cr13, X6Cr17)	≤200 HB (80 - 165)	US	—	—	—	0.08 (0.06 - 0.12)	0.06 (0.04 - 0.08)	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)
			UM	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.04 (0.04 - 0.05)
	Acero inoxidable ferrítico y martensítico (X17CrNi16-2, X30Cr13)	>200HB (80 - 165)	US	—	—	—	0.08 (0.06 - 0.12)	0.06 (0.04 - 0.08)	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)
			UM	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.06 (0.04 - 0.08)	0.05 (0.04 - 0.06)	0.05 (0.04 - 0.06)	0.04 (0.04 - 0.05)
K	Fundición gris (GG25, GG30)	Resistencia a la tracción ≤350 MPa 160 (130 - 195)	UM	0.10 (0.06 - 0.14)	0.08 (0.06 - 0.10)	0.08 (0.06 - 0.10)	0.11 (0.08 - 0.14)	0.09 (0.08 - 0.10)	0.09 (0.08 - 0.10)	0.05 (0.04 - 0.06)
	Fundición dúctil (GGG40)	Resistencia a la tracción ≤450 MPa 100 (80 - 135)	UM	0.10 (0.06 - 0.14)	0.08 (0.06 - 0.10)	0.08 (0.06 - 0.10)	0.11 (0.08 - 0.14)	0.09 (0.08 - 0.10)	0.09 (0.08 - 0.10)	0.05 (0.04 - 0.06)
	Fundición dúctil (GGG70)	Resistencia a la tracción ≤800 MPa 100 (70 - 125)	UM	0.08 (0.06 - 0.12)	0.07 (0.06 - 0.08)	0.07 (0.06 - 0.08)	0.11 (0.08 - 0.14)	0.09 (0.08 - 0.10)	0.09 (0.08 - 0.10)	0.05 (0.04 - 0.06)
N	Aleación de aluminio (A6061, A7075)	Si<5% 200 (100 - 350)	UN	—	—	—	0.12 (0.05 - 0.18)	0.12 (0.05 - 0.18)	0.12 (0.05 - 0.18)	0.08 (0.05 - 0.12)
	Aleación de aluminio (AC4B)	5%≤Si≤10% 150 (100 - 200)	UN	—	—	—	0.12 (0.05 - 0.18)	0.12 (0.05 - 0.18)	0.12 (0.05 - 0.18)	0.08 (0.05 - 0.12)
	Aleación de aluminio (ADC12, A390)	Si>10% 150 (100 - 200)	UN	—	—	—	0.12 (0.05 - 0.18)	0.12 (0.05 - 0.18)	0.12 (0.05 - 0.18)	0.08 (0.05 - 0.12)
H	Acero endurecido (X40CrMoV51, 55NiCrMoV6)	38 - 45HRC 50 (30 - 80)	UH	—	—	—	0.08 (0.04 - 0.12)	0.06 (0.04 - 0.09)	—	—

MVX + MINI MVX CONDICIONES DE CORTE RECOMENDADAS

Vc		Rompevirutas interior	Ø20 – Ø23.5				Ø24 – Ø29.5				Ø30 – Ø63			
			f				f				f			
			LxDC=2-3	LxDC=4	LxDC=5	LxDC=6	LxDC=2-3	LxDC=4	LxDC=5	LxDC=6	LxDC=2-3	LxDC=4	LxDC=5	LxDC=6
P	200 (180 – 235)	UM UH	0.06 (0.04 – 0.08)	0.06 (0.04 – 0.07)	0.06 (0.04 – 0.07)	0.04 (0.04 – 0.05)	0.07 (0.04 – 0.08)	0.06 (0.04 – 0.07)	0.06 (0.04 – 0.07)	0.05 (0.04 – 0.06)	0.08 (0.06 – 0.10)	0.07 (0.06 – 0.08)	0.07 (0.06 – 0.08)	0.06 (0.06 – 0.07)
	140 (115 –180)	UM UH	0.10 (0.06 – 0.18)	0.09 (0.06 – 0.12)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.08)	0.12 (0.08 – 0.18)	0.10 (0.08 – 0.12)	0.10 (0.08 – 0.12)	0.09 (0.08 – 0.10)	0.14 (0.08 – 0.20)	0.12 (0.08 – 0.16)	0.12 (0.08 – 0.16)	0.11 (0.10 – 0.12)
	100 (75 – 140)	UM UH	0.10 (0.06 – 0.18)	0.09 (0.06 – 0.12)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.08)	0.12 (0.08 – 0.18)	0.10 (0.08 – 0.12)	0.10 (0.08 – 0.12)	0.09 (0.08 – 0.10)	0.14 (0.08 – 0.20)	0.12 (0.08 – 0.16)	0.12 (0.08 – 0.16)	0.11 (0.10 – 0.12)
	135 (100 – 170)	UM UH	0.10 (0.06 – 0.18)	0.09 (0.06 – 0.12)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.08)	0.12 (0.08 – 0.18)	0.10 (0.08 – 0.12)	0.10 (0.08 – 0.12)	0.09 (0.08 – 0.10)	0.14 (0.08 – 0.20)	0.12 (0.08 – 0.16)	0.12 (0.08 – 0.16)	0.10 (0.08 – 0.12)
M	130 (80 – 180)	US	0.10 (0.06 – 0.14)	0.07 (0.06 – 0.08)	0.07 (0.06 – 0.08)	0.06 (0.06 – 0.07)	0.10 (0.06 – 0.14)	0.08 (0.06 – 0.10)	0.08 (0.06 – 0.10)	0.07 (0.06 – 0.08)	0.10 (0.06 – 0.14)	0.09 (0.06 – 0.12)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.10)
		UM	0.08 (0.06 – 0.12)	0.07 (0.06 – 0.08)	0.07 (0.06 – 0.08)	0.06 (0.06 – 0.07)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.09)	0.07 (0.06 – 0.09)	0.06 (0.06 – 0.08)	0.09 (0.06 – 0.12)	0.08 (0.06 – 0.10)	0.08 (0.06 – 0.10)	0.07 (0.06 – 0.08)
	130 (80 – 180)	US	0.10 (0.06 – 0.14)	0.07 (0.06 – 0.08)	0.07 (0.06 – 0.08)	0.06 (0.06 – 0.07)	0.10 (0.06 – 0.14)	0.08 (0.06 – 0.10)	0.08 (0.06 – 0.10)	0.07 (0.06 – 0.08)	0.10 (0.06 – 0.14)	0.09 (0.06 – 0.12)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.10)
		UM	0.08 (0.06 – 0.12)	0.07 (0.06 – 0.08)	0.07 (0.06 – 0.08)	0.06 (0.06 – 0.07)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.09)	0.07 (0.06 – 0.09)	0.06 (0.06 – 0.08)	0.09 (0.06 – 0.12)	0.08 (0.06 – 0.10)	0.08 (0.06 – 0.10)	0.07 (0.06 – 0.08)
	120 (80 – 165)	US	0.10 (0.06 – 0.14)	0.07 (0.06 – 0.08)	0.07 (0.06 – 0.08)	0.06 (0.06 – 0.07)	0.10 (0.06 – 0.14)	0.08 (0.06 – 0.10)	0.08 (0.06 – 0.10)	0.07 (0.06 – 0.08)	0.10 (0.06 – 0.14)	0.09 (0.06 – 0.12)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.10)
		UM	0.08 (0.06 – 0.12)	0.07 (0.06 – 0.08)	0.07 (0.06 – 0.08)	0.06 (0.06 – 0.07)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.09)	0.07 (0.06 – 0.09)	0.06 (0.06 – 0.08)	0.09 (0.06 – 0.12)	0.08 (0.06 – 0.10)	0.08 (0.06 – 0.10)	0.07 (0.06 – 0.08)
	120 (80 – 165)	US	0.10 (0.06 – 0.14)	0.07 (0.06 – 0.08)	0.07 (0.06 – 0.08)	0.06 (0.06 – 0.07)	0.10 (0.06 – 0.14)	0.08 (0.06 – 0.10)	0.08 (0.06 – 0.10)	0.07 (0.06 – 0.08)	0.10 (0.06 – 0.14)	0.09 (0.06 – 0.12)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.10)
		UM	0.08 (0.06 – 0.12)	0.07 (0.06 – 0.08)	0.07 (0.06 – 0.08)	0.06 (0.06 – 0.07)	0.09 (0.06 – 0.12)	0.07 (0.06 – 0.09)	0.07 (0.06 – 0.09)	0.06 (0.06 – 0.08)	0.09 (0.06 – 0.12)	0.08 (0.06 – 0.10)	0.08 (0.06 – 0.10)	0.07 (0.06 – 0.08)
K	160 (130 – 195)	UM	0.14 (0.10 – 0.18)	0.10 (0.10 – 0.12)	0.10 (0.10 – 0.12)	0.07 (0.06 – 0.08)	0.15 (0.10 – 0.20)	0.11 (0.10 – 0.13)	0.11 (0.10 – 0.13)	0.09 (0.08 – 0.10)	0.15 (0.10 – 0.20)	0.12 (0.10 – 0.13)	0.12 (0.10 – 0.13)	0.11 (0.10 – 0.12)
	100 (80 – 135)	UM	0.13 (0.10 – 0.16)	0.10 (0.10 – 0.11)	0.10 (0.10 – 0.11)	0.07 (0.06 – 0.08)	0.14 (0.10 – 0.18)	0.11 (0.10 – 0.12)	0.11 (0.10 – 0.12)	0.09 (0.08 – 0.10)	0.15 (0.10 – 0.20)	0.12 (0.10 – 0.13)	0.12 (0.10 – 0.13)	0.11 (0.10 – 0.12)
	100 (70 – 125)	UM	0.13 (0.10 – 0.16)	0.10 (0.10 – 0.11)	0.10 (0.10 – 0.11)	0.07 (0.06 – 0.08)	0.14 (0.10 – 0.18)	0.11 (0.10 – 0.12)	0.11 (0.10 – 0.12)	0.09 (0.08 – 0.10)	0.15 (0.10 – 0.20)	0.12 (0.10 – 0.13)	0.12 (0.10 – 0.13)	0.11 (0.10 – 0.12)
N	200 (100 – 350)	UN	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.08 (0.05 – 0.12)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.08 (0.05 – 0.12)	0.12 (0.05 – 0.20)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.08 (0.05 – 0.12)
	150 (100 – 200)	UN	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.08 (0.05 – 0.12)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.08 (0.05 – 0.12)	0.12 (0.05 – 0.20)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.08 (0.05 – 0.12)
	150 (100 – 200)	UN	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.08 (0.05 – 0.12)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.08 (0.05 – 0.12)	0.12 (0.05 – 0.20)	0.12 (0.05 – 0.18)	0.12 (0.05 – 0.18)	0.08 (0.05 – 0.12)
H	50 (30 – 80)	UH	0.09 (0.06 – 0.14)	0.07 (0.06 – 0.09)	—	—	0.09 (0.06 – 0.14)	0.07 (0.06 – 0.09)	—	—	0.11 (0.06 – 0.16)	0.09 (0.06 – 0.12)	—	—

Reduce un 30 % la velocidad de corte al usar VP15TF como placa exterior.

L/D = 3 es la profundidad máxima recomendada si se utiliza refrigerante externo.

La refrigeración interna es esencial para el taladrado de acero inoxidable.

NOTAS

RED DE VENTAS EUROPEA

GERMANY

MITSUBISHI MATERIALS TOOLS EUROPE GMBH
Comeniusstr. 2 . 40670 Meerbusch
Phone +49 2159 91890 . Fax +49 2159 918966
Email admin@mmchg.de

UK Office

MMC HARDMETAL UK LTD
1 Centurion Court, Centurion Way
Tamworth, B77 5PN
Phone +44 1827 312312
Email sales@mitsubishicarbide.co.uk

UK Deliveries / Returns

Unit 4 B5K Business Park, Quartz Close
Tamworth, B77 4GR

SPAIN

MITSUBISHI MATERIALS ESPAÑA, S.A.
Calle Emperador 2 . 46136 Museros / Valencia
Phone +34 96 1441711
Email comercial@mmevalencia.es

FRANCE

MMC METAL FRANCE S.A.R.L.
6, Rue Jacques Monod . 91400 Orsay
Phone +33 1 69 35 53 53 . Fax +33 1 69 35 53 50
Email mmfsales@mmc-metal-france.fr

POLAND

MMC HARDMETAL POLAND SP. Z O.O
Al. Armii Krajowej 61 . 50-541 Wrocław
Phone +48 71335 1620 . Fax +48 71335 1621
Email sales@mitsubishicarbide.com.pl

ITALY

MMC ITALIA S.R.L.
Viale Certosa 144 . 20156 Milano
Phone +39 0293 77031 . Fax +39 0293 589093
Email info@mmc-italia.it

TURKEY

MITSUBISHI MATERIALS TOOLS EUROPE GMBH ALMANYA İZMİR MERKEZ ŞUBESİ
Adalet Mahallesi Anadolu Caddesi No: 41-1 . 15001 35530 Bayraklı / İzmir
Phone +90 232 5015000 . Fax +90 232 5015007
Email info@mmchg.com.tr

www.mmc-carbide.com

DISTRIBUIDO POR:

┌

┐

└

┘

B202S 

Publicado por:  MITSUBISHI MATERIALS TOOLS EUROPE | 2024.03