

<b>E000</b>	216	<b>E250</b>	201	<b>E501</b>	204	<b>EP006G</b>	210
<b>E000TIN</b>	216	<b>E251</b>	201	<b>E504</b>	204	<b>EP006H</b>	210
<b>E001</b>	216	<b>E252</b>	203	<b>E510</b>	217	<b>EP00TIN</b>	210
<b>E002</b>	229	<b>E255</b>	213	<b>E513</b>	239	<b>EP016H</b>	210
<b>E002TIN</b>	229	<b>E256</b>	213	<b>E515</b>	255	<b>EP10</b>	243
<b>E003</b>	229	<b>E258</b>	221	<b>E524</b>	264	<b>EP10TIN</b>	243
<b>E011</b>	247	<b>E260</b>	226	<b>E531</b>	273	<b>EP11</b>	243
<b>E013</b>	252	<b>E261</b>	226	<b>E533</b>	276	<b>EP20</b>	257
<b>E021</b>	258	<b>E263</b>	221	<b>E534</b>	275	<b>EP21</b>	257
<b>E023</b>	260	<b>E266</b>	219	<b>E536</b>	277	<b>EP30</b>	266



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<b>E031</b>	267	<b>E268</b>	237	<b>E538</b>	279	<b>EP31</b>	266
<b>E033</b>	269	<b>E275</b>	254	<b>E539</b>	278	<b>EP40</b>	286
<b>E041</b>	287	<b>E278</b>	263	<b>E542</b>	280	<b>EP41</b>	286
<b>E043</b>	290	<b>E282</b>	284	<b>E544</b>	282	<b>EX006G</b>	224
<b>E052</b>	223	<b>E290</b>	237	<b>E545</b>	281	<b>EX006H</b>	224
<b>E100</b>	199	<b>E291</b>	232	<b>E547</b>	285	<b>EX00TIN</b>	224
<b>E101</b>	199	<b>E292</b>	232	<b>E550</b>	293	<b>EX016H</b>	224
<b>E102</b>	199	<b>E293</b>	232	<b>E570</b>	271	<b>EX10</b>	248
<b>E105</b>	234	<b>E294</b>	232	<b>E600</b>	209	<b>EX10TIN</b>	248
<b>E108</b>	253	<b>E295</b>	233	<b>E605</b>	231	<b>EX11</b>	248
<b>E111</b>	262	<b>E296</b>	233	<b>E606</b>	218	<b>EX20</b>	259
<b>E115</b>	272	<b>E297</b>	212	<b>E610</b>	209	<b>EX21</b>	259
<b>E119</b>	283	<b>E298</b>	225	<b>E620</b>	291	<b>EX30</b>	268
<b>E200</b>	201	<b>E299</b>	245	<b>E621</b>	292	<b>EX31</b>	268
<b>E201</b>	203	<b>E300</b>	250	<b>E650</b>	230	<b>EX40</b>	288
<b>E207</b>	221	<b>E303</b>	208	<b>E651</b>	261	<b>EX41</b>	288
<b>E212</b>	221	<b>E382</b>	289	<b>E653</b>	297	<b>L110</b>	302
<b>E216</b>	219	<b>E383</b>	251	<b>E654</b>	270	<b>L111</b>	303
<b>E225</b>	254	<b>E384</b>	246	<b>E708</b>	300	<b>L113</b>	306
<b>E229</b>	263	<b>E390</b>	203	<b>E709</b>	299	<b>L114</b>	307
<b>E237</b>	201	<b>E422</b>	219	<b>E710</b>	295	<b>L115</b>	308
<b>E238</b>	227	<b>E423</b>	219	<b>E711</b>	296	<b>L119</b>	304
<b>E239</b>	227	<b>E471</b>	215	<b>E712</b>	298	<b>L120</b>	309
<b>E240</b>	214	<b>E472</b>	215	<b>E714</b>	294	<b>L126</b>	305
<b>E241</b>	214	<b>E473</b>	228	<b>E720</b>	299		
<b>E242</b>	237	<b>E474</b>	228	<b>E721</b>	295		
<b>E243</b>	301	<b>E500</b>	204				

螺纹形式	Tipo de Rosca	Forma de Rosca	Thread form
标准	Norma	Estándar	Standard
公差	Tolerância	Tolerancia	Tolerance
孔型	Tipo do furo	Tipo de agujero	Hole Type
深度	Profundidade	Profundidad	Depth
材料	Material	Material	Material
倒锥	Chanfro	Chañán	Chamfer
槽型	Geometria	Geometría	Flute geometry
加工方向	Direção	Dirección	Direction
涂层	Tratamento	Tratamiento superficial	Coating
■ 性能卓越	Excelente para a Aplicação	Excelente para Aplicación	Excellent for Application
■ 性能良好	Bom para a Aplicação	Bueno para Aplicación	Good for Application
实例 10 = 外缘处的切削速度, 米/分, +/- 10%	Exemplo 10 = Velocidade periférica em metros/minuto +/- 10%	Ejemplo 10 = Velocidad Periférica en metros/minuto +/- 10%	Example 10 = Peripheral speed in metres/minute +/- 10%
产品型号	Código	Código de producto	Product Codes
尺寸范围	Gama de medidas	Rango de Diámetros	Size Range

AMG	中文	Português	Español	English
1.1	铁磁性低碳钢	Aço macio magnético	Acero blando	Magnetic soft steel
1.2	结构钢, 表面渗碳钢	Aço estrutural, Aço cementado	Acero de construcción/cementación	Structural steel, case carburizing steel
1.3	普通碳钢	Aço-carbono	Acero al carbono	Plain Carbon steel
1.4	合金钢	Aço de liga	Acero aleado	Alloy steel
1.5	合金钢, 淬火回火钢	Aço de liga, Aço temperado	Acero aleado/temple y revenido	Alloy steel, Hardened and tempered steel
1.6	合金钢, 淬火回火钢	Aço de liga, Aço temperado	Acero aleado/temple y revenido	Alloy steel, Hardened and tempered steel
1.7	热处理合金钢	Aço de liga temperado	Acero aleado cementado	Alloy steel, Heat treated
1.8	淬火合金钢, 耐磨钢	Aço de liga temperado	Acero aleado cementado	Alloy steel, Hardened & Wear resistant steel
2.1	易切削不锈钢	Aço inoxidável de maquinação fácil	Acero inoxidable fácil mecanizado	Free machining, Stainless Steel
2.2	奥氏体不锈钢	Austenítico	Austenítico	Austenitic
2.3	铁素体 + 奥氏体, 马氏体不锈钢	Ferrítico + Austenítico + Martensítico	Ferrítico, Ferr. + Aust., Marten	Ferritic + Austenitic, Ferritic, Martensitic
2.4	沉淀硬化不锈钢	Aço inoxidável de fácil usinagem	Acero Inoxidable Templado	Precipitation Hardened
3.1	灰铸铁	Grafite laminar	Con grafito laminar	Lamellar graphite
3.2	灰铸铁	Grafite laminar	Con grafito laminar	Lamellar graphite
3.3	球墨铸铁, 可锻铸铁	Grafite nodular/ Ferro fundido maleável	Con graf. laminar, fundic. maleable	Nodular graphite, Malleable Cast Iron
3.4	球墨铸铁, 可锻铸铁	Grafite nodular/ Ferro fundido maleável	Con graf. laminar, fundic. maleable	Nodular graphite, Malleable Cast Iron
4.1	纯钛	Titânio, sem liga	Titanio no aleado	Titanium, unalloyed
4.2	钛合金	Titânio, com liga	Titanio aleado	Titanium, alloyed
4.3	钛合金	Titânio, com liga	Titanio aleado	Titanium, alloyed
5.1	纯镍	Níquel, sem liga	Níquel no aleado	Nickel, unalloyed
5.2	镍合金	Níquel, com liga	Níquel aleado	Nickel, alloyed
5.3	镍合金	Níquel, com liga	Níquel aleado	Nickel, alloyed
6.1	紫铜	Cobre	Cobre	Copper
6.2	β黄铜, 青铜	Latão beta, bronze	β-Latón, bronce	β-Brass, Bronze
6.3	α黄铜	Latão alfa	α-Latón	α-Brass
6.4	高强度青铜	Bronze de alta resistência	Metal AMPCO	High Strength Bronze
7.1	纯铝, 纯镁	Al, Mg, sem liga	Al, Mg, no aleado	Al, Mg, unalloyed
7.2	铝合金, 硅含量 < 0.5%	Al com liga, Si<0.5%	Al aleado con Si < 0.5%	Al alloyed, Si < 0.5%
7.3	铝合金, 硅含量 > 0.5% < 10%	Al com liga, Si>0.5%<10%	Al aleado con Si > 0.5% < 10%	Al alloyed, Si > 0.5% < 10%
7.4	铝合金, 硅含量 > 10% 晶须增强铝合金, 镁合金	Al com liga, Si>10% reforçadas com monocristais filiformes, ligas de Al/Mg	Al aleado, Si>10% Reforzado por filamentos, Al-aleados, Mg-aleados	Al alloyed, Si > 10% Whisker reinforced Al-alloys Mg-alloys
8.1	热塑性塑料	Termoplásticos	Termoplásticos	Thermoplastics
8.2	热固性塑料	Plásticos termóduros	Plásticos endurecidos por calor	Thermosetting plastics
8.3	增强塑料	Materiais plásticos reforçados	Materiales plásticos reforzados	Reinforced plastic materials
9.1	金属陶瓷	Cerametal (metalocerâmica)	Cermetales (metales-cerâmicas)	Cermets (metals-ceramics)
10.1	标准石墨	Grafite standard	Grafito standard	Graphite

	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M						
	DIN 352	DIN 352	DIN 352	DIN 371	DIN 376	DIN 371	DIN 376	DIN 371	DIN 376	DIN 376	DIN 376	DIN 376	DIN 376	DIN 376	DIN 376	DIN 376	DIN 376						
	6H	6HX	6H	6H	6H	6H	6H	6H	6HX	6HX	6HX	6H	6H	6H	6H	6H	6H						
	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	2XD	2XD	2XD	2XD	1.5XD	1.5XD	1.5XD	2XD	1.5XD	1.5XD	2.5XD					
	HSS	HSS-E	HSS	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E PM	HSS-E PM	HSS	HSS	HSS	HSS-E	HSS-E	HSS-E	HSS-E						
	C 2-3	C 2-3	C 2-3	A 6-8 C 2-3	A 6-8 C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3				D18-20 C 2-3	C 2-3	C 2-3	B 3.5-5					
	E100	E102	E101	E200	E250	E237	E251	E201	E252	E390	E500	E501	E504	E303	E600	E610	EP006H						
	M1.6 - M52	M3 - M30	M4 - M16	M2 - M10	M3 - M52	M3 - M10	M12 - M24	M3 - M10	M8 - M24	M3 - M20	M1 - M56	M3 - M24	M3 - M24	M3 - M20	M3 - M30	M3 - M16	M2 - M30						
								<b>NEW</b>	<b>NEW</b>	<b>NEW</b>													
AMG	199	199	199	201	201	201	201	203	203	203	204	204	204	208	209	209	210	ISO					
1.1	1	1	1	12	12	12	12				7	7	14	12	7	14	25	P 1					
1.2	1	1	1	10	10	10	10				6	6	12	10	6	12	22	P 1					
1.3	1	1	1	8	8	8	8				5	5	10	8	5	10	18	P 2					
1.4	1	1	1	6	6	6	6				4	4	8	6	4	8	16	P 3					
1.5	1	1	1	5	5	5	5				3	3	6	5	3	6	10	P 4					
1.6																		5	H 1				
1.7																			H 3				
1.8																			H 4				
2.1		1																	M 1				
2.2		1																	M 3				
2.3		1																	M 2				
2.4																			S 2				
3.1	1	1	1	14	14	14	14	15	15	30	12	12	18	14	12	18	15		K 1				
3.2	1	1	1	8	8	8	8	8	8	25	7	7	12	8	7	12	8		K 2				
3.3	1	1	1	12	12	12	12	15	15	35	10	10	22	12	10	22	15		K 3				
3.4	1	1	1					8	8	25	5	5	12		5	12	8		K 4				
4.1		1																	10	S 1			
4.2		1																	5	S 2			
4.3		1																		S 3			
5.1		1																		12	S 1		
5.2		1																		5	S 2		
5.3		1																			S 3		
6.1	1	1	1								4	4			4		12			N 3			
6.2	1	1	1	16	16	16	16	20	20	30	10	10	20	16	10	20	30				N 4		
6.3	1	1	1	12	12	12	12				7	7	14	12	7	14	20				N 3		
6.4	1	1	1					5	5	5	2	2	4		2	4					N 4		
7.1																					16	N 1	
7.2	1	1	1	20	20	20	20				12	12	24	20	12	24	35					N 1	
7.3	1	1	1	12	12	12	12				7	7	14	12	7	14	20					N 1	
7.4	1	1	1					15	15	20	5	5	10		5	10	15					N 2	
8.1																						30	O
8.2	1	1	1	8	8	8	8	10	10	15	5	5	10	8	5	10							O
8.3	1	1	1								3	3	6		3	6							O
9.1																							H
10.1																							O

	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	ISO 529	ISO 529	ISO 529	ISO 529	ISO 2283	DIN 371	DIN 376	
	6G	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	
	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	1XD	2.5XD	3XD	3XD	
	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E	HSS-E	HSS-E	HSS	HSS-E	HSS-E	HSS-E	
	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	
		TN	ST	G2		TAM Top	ST	Super 8		Super 8		TN	ST					
	EP006G	EP00TIN	EP016H	E297	E255	E256	E240	E241	E471	E472	E000	E000TIN	E001	E510	E606	E216	E266	
	M3 - M20	M3 - M30	M2 - M30	M3 - M30	M3 - M20	M3 - M20	M3 - M30	M3 - M20	M3 - M20	M3 - M20	M1.6 - M24	M3 - M20	M1.6 - M24	M3 - M10	M3 - M24	M3 - M10	M12 - M24	
	<b>NEW</b>			<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>								
AMG	210	210	210	212	213	213	214	214	215	215	216	216	216	217	218	219	219	ISO
1.1	■25	■40	■25	■25					●25		■25	■40	■25		●20	●22	●22	P 1
1.2	■22	■40	■22	■22					●22	■40	■22	■40	■22		●18	■20	■20	P 1
1.3	■18	■32	■18	■18					●32	■18	■32	■18	■18		●14	■16	■16	P 2
1.4	■16	■27	■16	■16	■16	■30			●27		■16	■27	■16		●10	■12	■12	P 3
1.5	■10	■13	■10	■10	●7	■17	●10		●17		■10	■13	■10	●7	●5	●7	●7	P 4
1.6	●5	●11	●5		●4	●11	●5		●11		●5	●11	●5	●4	●3			H 1
1.7																		H 3
1.8																		H 4
2.1		■8	●7				■8	■14				■8	●7	●7	●6			M 1
2.2		■7	●6				■7	■10				■7	●6	●5	●4			M 3
2.3		●5	●4				■5	■6				●5	●4	●7	●3			M 2
2.4																		S 2
3.1	●15	●22	●15								●15	●22	●15	●12		●12	●12	K 1
3.2	●8	●18	●8								●8	●18	●8	●7		●7	●7	K 2
3.3	●15	●25	●15								●15	●25	●15	●10		●10	●10	K 3
3.4	●8	●18	●8								●8	●18	●8			●5	●5	K 4
4.1	●10	●15							■25		●10	●15				●15	●15	S 1
4.2	●5	●7			●5	●10					●5	●7						S 2
4.3																		S 3
5.1	●12	●18							■25		●12	●18			●3	●4	●4	S 1
5.2	●5	●8			●5	●10					●5	●8			●4	●5	●5	S 2
5.3																		S 3
6.1	■12	■18		■12					●12		■12	■18			●10	●12	●12	N 3
6.2	●30	●45		●30					■30	■45	●30	●45			●30	●30	●30	N 4
6.3	■20	■35		■20					■20	●35	■20	■35			●15	●20	●20	N 3
6.4																		N 4
7.1	■16								■16	●35	■16				●10	●16	●16	N 1
7.2	■35								■35	■45	■35				●25	●35	●35	N 1
7.3	■20	■30							■20	■30	■20	■30			●13	●20	●20	N 1
7.4	■15	■22							■15	■20	■15	■22			●10	●15	●15	N 2
8.1	●30								■25	●30	●30				●20	●25	●25	O
8.2		●45											●45					O
8.3																		O
9.1																		H
10.1																		O

	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
	DIN 371	DIN 376	DIN 371	DIN 376	DIN 371	DIN 376	ISO 529	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	DIN 376c10 376b12	
	6H	6H	6H	6H	6H	6H	6H	6H	6G	6H	6H	6H	6H	6H	6H	6H	6H	
	3XD	3XD	1.5XD	1.5XD	1.5XD	1.5XD	2XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2XD	2.5XD	2.5XD	2.5XD	2.5XD	
	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	
	B 3.5-5	B 3.5-5	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	
	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 40^\circ$	$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 40^\circ$	$\lambda 35^\circ$	
	TN	TN			TN	TN			TN	ST	Gr		TN Top	ST	Super 8			
	E422	E423	E207	E258	E212	E263	E052	EX006H	EX006G	EX00TIN	EX016H	E298	E260	E261	E238	E239	E473	
	M3 - M10	M12 - M24	M2 - M10	M4 - M36	M3 - M10	M12 - M36	M3 - M16	M2 - M64	M3 - M20	M3 - M30	M2 - M64	M3 - M30	M3 - M20	M3 - M20	M3 - M30	M3 - M20	M3 - M20	
												NEW	NEW	NEW	NEW	NEW	NEW	
AMG	219	219	221	221	221	221	223	224	224	224	224	225	226	226	227	227	228	ISO
1.1	35	35			35	35	25	25	25	40	25	25					25	P 1
1.2	35	35	20	20	35	35	22	22	22	40	22	22					22	P 1
1.3	28	28	16	16	28	28	18	18	18	32	18	18				32	18	P 2
1.4	24	24	12	12	24	24	16	16	16	27	16	16	16	30		27		P 3
1.5	10	10	7	7	10	10	10	10	10	13	10	10	7	20	10	13		P 4
1.6													4	11	5	11		H 1
1.7																		H 3
1.8																		H 4
2.1										8	7				8	14		M 1
2.2										7	6				7	10		M 3
2.3										5	4				5	6		M 2
2.4																		S 2
3.1	18	18										22						K 1
3.2	15	15										18						K 2
3.3	20	20										25						K 3
3.4	15	15										18						K 4
4.1	27	27						10	10	15								S 1
4.2					10	10		5	5	7			5	10				S 2
4.3	5	5			7	7												S 3
5.1	20	20						12	12	18								S 1
5.2	8	8						5	5	8			5	10				S 2
5.3																		S 3
6.1	18	18					12					12					12	N 3
6.2	45	45					30					30					30	N 4
6.3	35	35					20					20					20	N 3
6.4																		N 4
7.1	25	25					16	16	16								16	N 1
7.2	45	45	30	30	35	35	35	35	35								35	N 1
7.3	30	30	15	15	20	20	20	20	20	30							20	N 1
7.4	20	20					15	15	15	22							15	N 2
8.1	30	30															25	O
8.2																		O
8.3																		O
9.1																		H
10.1																		O

	M	M	M	M	M	M	M	M	M	M	M	MF	MF	MF	MF	MF		
	DIN 37610 37612	ISO 529	ISO 529	ISO 529	DORMER ISO	ISO 2283	DIN 2174	DIN 2174	DIN 2174	DIN 2174	DIN 2174	DIN 2181	DIN 374	DIN 371	DIN 374	ISO 529		
	6H	6H	6H	6H	6H	6H	6HX	6HX	6HX	6HX	6GX	6GX	6H	6H	6H	6H	6H	
	2.5XD	2.5XD	2.5XD	2.5XD	1.5XD	2XD	3XD	3XD	3XD	3.5XD	3XD	3XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	
	HSS-E PM	HSS-E	HSS-E	HSS-E	HSS	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS	HSS-E	HSS-E	HSS-E	HSS	
	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3.5	C 2-3.5	E 1.5-2	C 2-3.5	C 2-3.5	E 1.5-2	C 2-3	C 2-3	C 2-3	C 2-3		
	λ 35°	λ 45°	λ 45°	λ 45°	λ 30°	λ 40°												
	Supr 9		TN	ST	ST			TN	TN	TN	TN	TN						
	E474	E002	E002TIN	E003	E650	E605	E291	E292	E293	E294	E295	E296	E105	E268	E242	E290	E513	
	M3 - M20	M2 - M24	M3 - M20	M2 - M24	M3 - M16	M3 - M20	M1.6 - M16	M1.6 - M16	M3 - M10	M3 - M16	M3 - M12	M3 - M10	M2.5 - M50	M4 - M50	M8 - M10	M12 - M24	M3 - M50	
	<b>NEW</b>						<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>						
AMG	228	229	229	229	230	231	232	232	232	232	233	233	234	237	237	237	239	ISO
1.1		■25	■40	■25	■25		■30	■55	■55	■55	■55	■55	■1	■12	■12	■12	■7	P 1
1.2	■40	■22	■40	■22	■22	■18	■27	■50	■50	■50	■50	■50	■1	■10	■10	■10	■6	P 1
1.3	■32	■18	■32	■18	■18	■14	■23	■45	■45	■45	■45	■45	■1	■8	■8	■8	■5	P 2
1.4		■16	■27	■16	■15	■10	■20	■40	■40	■40	■40	■40	■1	■6	■6	■6	■4	P 3
1.5		■10	■13	■10		■5		■20	■20	■20	■20	■20	■1	■5	■5	■5	■3	P 4
1.6																		H 1
1.7																		H 3
1.8																		H 4
2.1		■8	■7		■6		■18	■18	■18	■18	■18	■18						M 1
2.2		■7	■6		■4		■15	■15	■15	■15	■15	■15						M 3
2.3			■5	■4	■3		■10	■10	■10	■10	■10	■10						M 2
2.4																		S 2
3.1			■22										■1	■14	■14	■14	■12	K 1
3.2			■18		■8								■1	■8	■8	■8	■7	K 2
3.3			■25										■1	■12	■12	■12	■10	K 3
3.4			■18										■1				■5	K 4
4.1	■25	■10	■15				■35	■35	■35	■35	■35	■35						S 1
4.2		■5	■7															S 2
4.3																		S 3
5.1	■25	■12	■18				■20	■20	■20	■20	■20	■20						S 1
5.2		■5	■8		■4		■8	■8	■8	■8	■8	■8						S 2
5.3																		S 3
6.1							■25	■25	■25	■25	■25	■25	■1				■4	N 3
6.2	■45				■30								■1	■16	■16	■16	■10	N 4
6.3	■35				■20		■40	■40	■40	■40	■40	■40	■1	■12	■12	■12	■7	N 3
6.4													■1				■2	N 4
7.1	■35	■16			■18	■10	■26	■55	■55	■55	■55	■55						N 1
7.2	■45	■35			■35	■25	■38	■55	■55	■55	■55	■55	■1	■20	■20	■20	■12	N 1
7.3	■30	■20	■30		■13	■22	■40	■40	■40	■40	■40	■40	■1	■12	■12	■12	■7	N 1
7.4	■20	■15	■22		■10		■25	■25	■25	■25	■25	■25	■1				■5	N 2
8.1	■30				■30													O
8.2													■1	■8	■8	■8	■5	O
8.3													■1				■3	O
9.1																		H
10.1																		O

	MF	MF	MF	MF	MF	MF	MF	MF	MF	MF	MF	MF	UNC	UNC	UNC	UNC	UNC	
	DIN 374	DIN 374	DIN 374	DIN 374	DIN 374	ISO 529	DIN 374	DIN 374	DIN 374	DIN 374	DIN 374	DIN 374	ISO 529	DIN 352	DIN 371	DIN 376	ISO 529	DIN 2184-1
	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	2B	2B	2B	2B	2B	
	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E PM	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E PM	HSS-E	HSS	HSS-E	HSS-E	HSS	HSS-E	
	B	B	B	B	B	B	C	C	C	C	C	C	C	C	C	C	B	
	3,5-5	3,5-5	3,5-5	3,5-5	3,5-5	3,5-5	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	3,5-5	
	M4 - M30	M8 - M20	M4 - M30	M4 - M30	M6 - M20	M4 - M24	M4 - M30	M8 - M20	M4 - M30	M4 - M30	M6 - M20	M4 - M22	No.5 - 1"	No.2 - 1/4	5/16 - 1.1/2	No.1 - 2"	No.4 - 1"	
			<b>NEW</b>	<b>NEW</b>						<b>NEW</b>	<b>NEW</b>							
AMG	243	243	243	245	246	247	248	248	248	250	251	252	253	254	254	255	257	ISO
1.1	25	40	25	25		25	25	40	25	25		25	1	12	12	7	25	P 1
1.2	22	40	22	22		22	22	40	22	22		22	1	10	10	6	22	P 1
1.3	18	32	18	18		18	18	32	18	18		18	1	8	8	5	18	P 2
1.4	16	27	16	16		16	16	27	16	16		16	1	6	6	4	16	P 3
1.5	10	13	10	10	10	10	10	13	10	10		10	1	5	5	3	10	P 4
1.6	5	11	5		5	5					5						5	H 1
1.7																		H 3
1.8																		H 4
2.1		8	7		8	7		8	7		8	7						M 1
2.2		7	6		7	6		7	6		7	6						M 3
2.3		5	4		5	4		5	4		5	4						M 2
2.4																		S 2
3.1	15	22	15			15		22					1	14	14	12	15	K 1
3.2	8	18	8			8		18					1	8	8	7	8	K 2
3.3	15	25	15			15		25					1	12	12	10	15	K 3
3.4	8	18	8			8		18					1			5	8	K 4
4.1	10	15					10	15									10	S 1
4.2	5	7					5	7									5	S 2
4.3																		S 3
5.1	12	18					12	18									12	S 1
5.2	5	8					5	8									5	S 2
5.3																		S 3
6.1	12	18		12					12				1			4	12	N 3
6.2	30	45		30					30				1	16	16	10	30	N 4
6.3	20	35		20					20				1	12	12	7	20	N 3
6.4													1			2		N 4
7.1	16						16										16	N 1
7.2	35						35						1	20	20	12	35	N 1
7.3	20	30					20	30					1	12	12	7	20	N 1
7.4	15	22					15	22					1			5	15	N 2
8.1	30																30	O
8.2		45											1	8	8	5		O
8.3													1			3		O
9.1																		H
10.1																		O











	UNC	UNC	UNC	UNC	UNC	UNC	UNF	UNF	UNF	UNF	UNF	UNF	UNF	UNF	UNF	UNF	UNF	
	DIN 2184-1	ISO 529	DIN 2184-1	DIN 2184-1	ISO 529	DORMER DIN	DIN 2181	DIN 371	DIN 374	ISO 529	DIN 2184-1	DIN 2184-1	ISO 529	DIN 2184-1	DIN 2184-1	ISO 529	DORMER DIN	
	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	Medium
	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	1.5XD	
	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS	HSS	HSS-E	HSS-E	HSS	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS	
	B 3,5-5	B 3,5-5	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3		C 2-3	C 2-3	B 3,5-5	C 2-3	C 2-3	C 2-3	C 2-3	
			$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 30^\circ$							$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 30^\circ$	
	ST	ST		ST	ST	ST						ST	ST		ST	ST	ST	
	EP21	E021	EX20	EX21	E023	E651	E111	E229	E278	E524	EP30	EP31	E031	EX30	EX31	E033	E654	
	No.4 - 1"	No.2 - 1"	No.4 - 1"	No.4 - 1"	No.2 - 1"	No.6 - 5/8	No.5 - 1"	No.2 - 1/4	5/16 - 1.1/2	No.0 - 1.1/2	No.8 - 1"	No.8 - 1"	No.8 - 1"	No.8 - 1"	No.8 - 1"	No.8 - 1"	No.8 - 5/8	
AMG	257	258	259	259	260	261	262	263	263	264	266	266	267	268	268	269	270	ISO
1.1	■25	■25	■25	■25	■25	■25	■1	■12	■12	■7	■25	■25	■25	■25	■25	■25	■25	P 1
1.2	■22	■22	■22	■22	■22	■22	■1	■10	■10	■6	■22	■22	■22	■22	■22	■22	■22	P 1
1.3	■18	■18	■18	■18	■18	■18	■1	■8	■8	■5	■18	■18	■18	■18	■18	■18	■18	P 2
1.4	■16	■16	■16	■16	■16	■16	■1	■6	■6	■4	■16	■16	■16	■16	■16	■16	■16	P 3
1.5	■10	■10	■10	■10	■10		■1	■5	■5	■3	■10	■10	■10	■10	■10	■10		P 4
1.6	■5	■5									■5	■5	■5			■5		H 1
1.7																		H 3
1.8																		H 4
2.1	■7	■7		■7	■7							■7	■7		■7	■7		M 1
2.2	■6	■6		■6	■6							■6	■6		■6	■6		M 3
2.3	■4	■4		■4	■4							■4	■4		■4	■4		M 2
2.4																		S 2
3.1	■15	■15					■1	■14	■14	■12	■15	■15	■15					K 1
3.2	■8	■8				■8	■1	■8	■8	■7	■8	■8	■8				■8	K 2
3.3	■15	■15					■1	■12	■12	■10	■15	■15	■15					K 3
3.4	■8	■8					■1			■5	■8	■8	■8					K 4
4.1			■10								■10			■10				S 1
4.2			■5								■5			■5				S 2
4.3																		S 3
5.1			■12								■12			■12				S 1
5.2			■5								■5			■5				S 2
5.3																		S 3
6.1							■1			■4	■12							N 3
6.2						■30	■1	■16	■16	■10	■30					■30		N 4
6.3						■20	■1	■12	■12	■7	■20					■20		N 3
6.4							■1			■2								N 4
7.1		■16				■18					■16			■16			■18	N 1
7.2		■35				■35	■1	■20	■20	■12	■35			■35			■35	N 1
7.3		■20					■1	■12	■12	■7	■20			■20			■20	N 1
7.4		■15					■1			■5	■15			■15			■15	N 2
8.1						■30					■30						■30	O
8.2							■1	■8	■8	■5								O
8.3							■1			■3								O
9.1																		H
10.1																		O




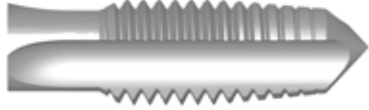

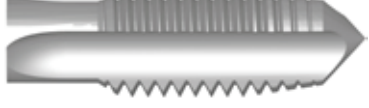


	UN	BSW	BSW	BSW	BSW	BSF	BSF	BSF	BA	BA	BA	G	G	G	G	G	G		
	ISO 529	DIN 351	ISO 529	ISO 529	ISO 529	ISO 529	ISO 529	ISO 529	ISO 529	ISO 529	ISO 529	DIN 5157	DIN 5156	ISO 2284	DIN 5156	DIN 5156	DORMER ISO		
	2B	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal		
	1.5XD	1.5XD	1.5XD	2.5XD	2XD	1.5XD	2.5XD	2XD	1.5XD	2.5XD	2XD	1.5XD	1.5XD	1.5XD	2.5XD	2.5XD	2.5XD		
	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS-E	HSS	HSS-E	HSS-E	HSS-E		
	C 2-3	C 2-3		B 3,5-5	C 2-3		B 3,5-5	C 2-3		B 3,5-5	C 2-3	C 2-3	C 2-3		B 3,5-5	B 3,5-5	B 3,5-5		
	E570	E115	E531	E534	E533	E536	E539	E538	E542	E545	E544	E119	E282	E547	EP40	EP41	E041		
	1/4 - 1.5/16	1/8 - 1"	1/8 - 1"	1/8 - 3/4	1/8 - 3/4	3/16 - 1"	1/4 - 1/2	1/4 - 1/2	No.10 - No.0	No.10 - No.2	No.8 - No.2	1/8 - 3"	1/8 - 1.1/2	1/8 - 2"	1/8 - 1"	1/8 - 1"	1/8 - 3/4		
AMG	271	272	273	275	276	277	278	279	280	281	282	283	284	285	286	286	287	ISO	
1.1	7	1	7	20		22	20		7	20		1	12	7	25	25	25	P 1	
1.2	6	1	6	18	18	20	18	18	6	18	18	1	10	6	22	22	22	P 1	
1.3	5	1	5	14	14	16	14	14	5	14	14	1	8	5	18	18	18	P 2	
1.4	4	1	4	10	10	12	10	10	4	10	10	1	6	4	16	16	16	P 3	
1.5	3	1	3	5	5	7	5	5	3	5	5	1	5	3	10	10	10	P 4	
1.6				3		4	3			3					5	5	5	H 1	
1.7																		H 3	
1.8																		H 4	
2.1				6	6	7	6	6		6	6						7	7	M 1
2.2				4	4	5	4	4		4	4						6	6	M 3
2.3				3	3	7	3	3		3	3						4	4	M 2
2.4																			S 2
3.1	12	1	12			12			12			1	14	12	15	15	15	K 1	
3.2	7	1	7			7			7			1	8	7	8	8	8	K 2	
3.3	10	1	10			10			10			1	12	10	15	15	15	K 3	
3.4	5	1	5			5			5			1		5	8	8	8	K 4	
4.1															10			S 1	
4.2															5			S 2	
4.3				3			3			3								S 3	
5.1				10			10			10					12			S 1	
5.2				4	4		4	4		4	4				5			S 2	
5.3																		S 3	
6.1	4	1	4	10		12	10		4	10		1		4	12			N 3	
6.2	10	1	10			30			10			1	16	10	30			N 4	
6.3	7	1	7	15		20	15		7	15		1	12	7	20			N 3	
6.4	2	1	2			4			2			1		2				N 4	
7.1				10	10		10	10		10	10				16			N 1	
7.2	12	1	12	25	25	35	25	25	12	25	25	1	20	12	35			N 1	
7.3	7	1	7	13	13	20	13	13	7	13	13	1	12	7	20			N 1	
7.4	5	1	5	10	10	15	10	10	5	10	10	1		5	15			N 2	
8.1				20			20			20					30			O	
8.2	5	1	5			12			5			1	8	5				O	
8.3	3	1	3			7			3			1		3				O	
9.1																		H	
10.1																		O	

	G	G	G	G	EGM	EGM	Rc	NPT	NPT	NPT	NPT	NPT	NPTF	NPSF	NPSF	NPSM	PG	
	DIN 5156	DIN 5156	DIN 5156	DORMER ISO	DORMER ISO	DORMER ISO	ISO 2284	DORMER ANSI	ANSI B94.9	ANSI B94.9	ANSI B94.9	ANSI	ANSI B94.9	ANSI B94.9	ANSI B94.9	ANSI B94.9	DIN 40432	
	Normal	Normal	Normal	Normal	6H	6H	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
	2.5XD	2.5XD	2XD	2.5XD	1.5XD	2XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	
	HSS-E	HSS-E	HSS-E PM	HSS-E	HSS	HSS	HSS	HSS-E	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	
	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3		C 2-3		C 2-3			
	λ45°	λ45°	λ40°	λ45°		λ40°							λ27°					
		ST	ST	ST						TH					TH			
	EX40	EX41	E382	E043	E620	E621	E550	E714	E710	E721	E711	E653	E712	E709	E720	E708	E243	
	1/8 - 1.1/2	1/8 - 1.1/2	1/8 - 1"	1/8 - 3/4	M3 - M16	M3 - M16	1/8 - 2"	1/8 - 1"	1/16 - 2"	1/8 - 1"	1/8 - 1.1/2	1/8 - 1"	1/16 - 1.1/4	1/8 - 3/4	1/8 - 3/4	1/8 - 1"	No.7 - No.36	
			<b>NEW</b>															
AMG	288	288	289	290	291	292	293	294	295	295	296	297	298	299	299	300	301	ISO
1.1	■25	■25		■25	■7		■22	■4	■4	■4	■4	■25	■4	■4	■4	■4	■12	P 1
1.2	■22	■22		■22	■6	■18	■20	■4	■4	■4	■4	■22	■4	■4	■4	■4	■10	P 1
1.3	■18	■18		■18	■5	■14	■16	■6	■6	■6	■6	■18	■6	■6	■6	■6	■8	P 2
1.4	■16	■16		■16	■4	■10	■12	■5	■5	■5	■5	■15	■5	■5	■5	■5	■6	P 3
1.5	■10	■10	■10	■10	■3	■5	■7	■3	■3	■3	■3		■3	■3	■3	■3	■5	P 4
1.6			■5	■5			■4											H 1
1.7																		H 3
1.8																		H 4
2.1		■7	■8	■7		■6	■7											M 1
2.2		■6	■7	■6		■4	■5											M 3
2.3		■4	■5	■4		■3	■7											M 2
2.4																		S 2
3.1					■12		■12	■6	■6	■6	■6		■6	■6	■6	■6	■14	K 1
3.2					■7		■7	■4	■4	■4	■4	■8	■4	■4	■4	■4	■8	K 2
3.3					■10		■10	■6	■6	■6	■6	■6	■6	■6	■6	■6	■12	K 3
3.4					■5		■5	■4	■4	■4	■4	■4	■4	■4	■4	■4	■4	K 4
4.1	■10																	S 1
4.2	■5																	S 2
4.3																		S 3
5.1	■12																	S 1
5.2	■5					■4												S 2
5.3																		S 3
6.1					■4		■12											N 3
6.2					■10		■30	■11	■11	■11	■11	■30	■11	■11	■11	■11	■16	N 4
6.3					■7		■20					■20					■12	N 3
6.4					■2		■4											N 4
7.1	■16				■10							■18						N 1
7.2	■35				■12	■25	■35					■35					■20	N 1
7.3	■20				■7	■13	■20	■11	■11	■11	■11		■11	■11	■11	■11	■12	N 1
7.4	■15				■5	■10	■15	■7	■7	■7	■7		■7	■7	■7	■7	■7	N 2
8.1	■30							■4	■4	■4	■4	■30	■4	■4	■4	■4		O
8.2					■5		■12										■8	O
8.3					■3		■7											O
9.1																		H
10.1																		O

									
	<b>L110</b>	<b>L111</b>	<b>L119</b>	<b>L126</b>	<b>L113</b>	<b>L114</b>	<b>L115</b>	<b>L120</b>	
	16.00 - 4"	No.0 - BT2	Set	Set	Set	Set	Set	Set	
					<b>NEW</b>	<b>NEW</b>	<b>NEW</b>		
<b>AMG</b>	<b>302</b>	<b>303</b>	<b>304</b>	<b>305</b>	<b>306</b>	<b>307</b>	<b>308</b>	<b>309</b>	<b>ISO</b>
1.1									P 1
1.2									P 1
1.3									P 2
1.4									P 3
1.5									P 4
1.6									H 1
1.7									H 3
1.8									H 4
2.1									M 1
2.2									M 3
2.3									M 2
2.4									S 2
3.1									K 1
3.2									K 2
3.3									K 3
3.4									K 4
4.1									S 1
4.2									S 2
4.3									S 3
5.1									S 1
5.2									S 2
5.3									S 3
6.1									N 3
6.2									N 4
6.3									N 3
6.4									N 4
7.1									N 1
7.2									N 1
7.3									N 1
7.4									N 2
8.1									O
8.2									O
8.3									O
9.1									H
10.1									O

# NO1 - NO9



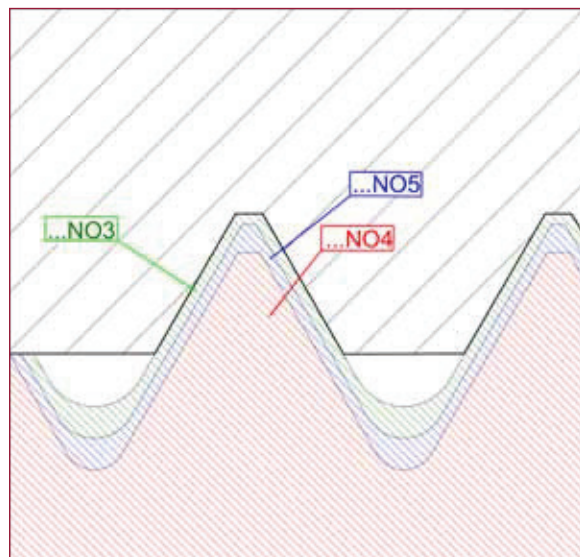
NO1 =		<b>A</b> 6-8	
NO2 =		<b>B</b> 4-6	
NO3 =		<b>C</b> 2-3	

ISO NO6 = NO1 + NO2 + NO3  
 NO7 = NO2 + NO3 \*

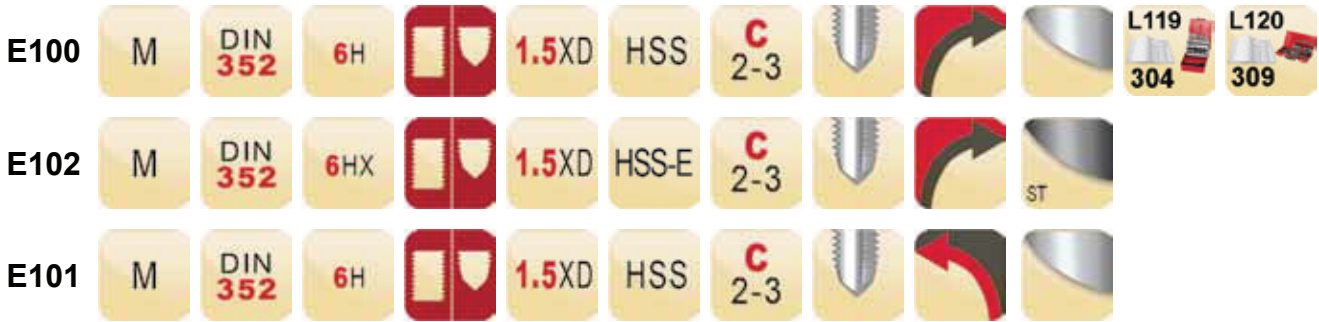
ANSI NO6 = NO1 (taper) + NO2 (plug) + NO3 (bottoming)

NO4 =		<b>A</b> 6-8	
NO5 =		<b>B</b> 3.5-5	

DIN NO8 = NO3 + NO4 + NO5  
 ISO NO9 = NO3 + NO4

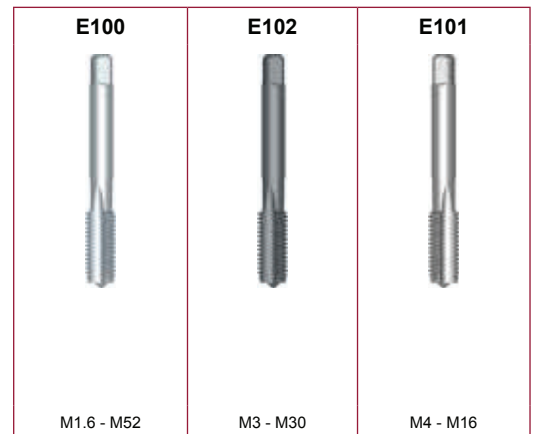
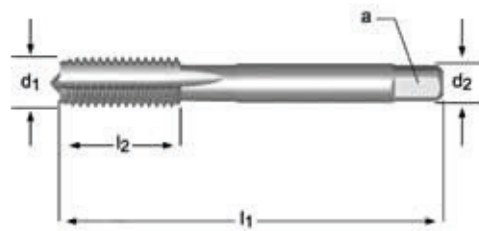


\* E550 E710 NO7 = NO3 (truncated) + NO3



- E100** • M 手用丝锥 直槽
- E102** • M Macho Manual Canal Reto
- M Machos de mano Estrías rectas
- E101** • M Hand Tap Straight Flute

E100	•	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3		
E102	•	1.1	1.2	1.3	1.4	1.5	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2
		6.3	6.4	7.2	7.3	7.4	8.2	8.3													
E101	•	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3		



M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	z		E100	E102	E101
1.6	0.35	32	7	2.5	2.1	3	1.25	E100M1.6NO3		
1.6	0.35	32	7	2.5	2.1	3	1.25	E100M1.6NO8		
1.8	0.35	32	7	2.5	2.1	3	1.5	E100M1.8NO3		
1.8	0.35	32	7	2.5	2.1	3	1.5	E100M1.8NO8		
2	0.40	36	8	2.8	2.1	3	1.6	E100M2NO3		
2	0.40	36	8	2.8	2.1	3	1.6	E100M2NO8		
2.2	0.45	36	9	2.8	2.1	3	1.75	E100M2.2NO3		
2.2	0.45	36	9	2.8	2.1	3	1.75	E100M2.2NO8		
2.5	0.45	40	9	2.8	2.1	3	2.05	E100M2.5NO3		
2.5	0.45	40	9	2.8	2.1	3	2.05	E100M2.5NO8		
3	0.50	40	10	3.5	2.7	3	2.5	E100M3NO3		
3	0.50	40	10	3.5	2.7	3	2.5	E100M3NO8	E102M3NO8	<sup>1)</sup>
3.5	0.60	45	10	4.0	3.0	3	2.9	E100M3.5NO3		
3.5	0.60	45	10	4.0	3.0	3	2.9	E100M3.5NO8		
4	0.70	45	12	4.5	3.4	3	3.3	E100M4NO3		<sup>1)</sup> E101M4NO3
4	0.70	45	12	4.5	3.4	3	3.3	E100M4NO8	E102M4NO8	E101M4NO8
4.5	0.75	50	14	6.0	4.9	3	3.8	E100M4.5NO3		
4.5	0.75	50	14	6.0	4.9	3	3.8	E100M4.5NO8		
5	0.80	50	14	6.0	4.9	3	4.2	E100M5NO3		<sup>1)</sup> E101M5NO3
5	0.80	50	14	6.0	4.9	3	4.2	E100M5NO8	E102M5NO8	E101M5NO8
6	1.00	56	16	6.0	4.9	3	5	E100M6NO3		<sup>1)</sup> E101M6NO3
6	1.00	56	16	6.0	4.9	3	5	E100M6NO8	E102M6NO8	E101M6NO8

<sup>1)</sup> 4号操作指示 / NO4 com guia piloto / NO4 con guía piloto / No4 with pilot Guide

M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	z		E100	E102	E101
7	1.00	56	16	6.0	4.9	3	6	E100M7NO3		
7	1.00	56	16	6.0	4.9	3	6	E100M7NO8		
8	1.25	63	19	6.0	4.9	3	6.8	E100M8NO3		E101M8NO3
8	1.25	63	19	6.0	4.9	3	6.8	E100M8NO8	E102M8NO8 <sup>1)</sup>	E101M8NO8
9	1.25	63	20	7.0	5.5	3	7.8	E100M9NO3		
9	1.25	63	20	7.0	5.5	3	7.8	E100M9NO8		
10	1.50	70	22	7.0	5.5	3	8.5	E100M10NO3		E101M10NO3
10	1.50	70	22	7.0	5.5	3	8.5	E100M10NO8	E102M10NO8 <sup>1)</sup>	E101M10NO8
11	1.50	70	20	8.0	6.2	3	9.5	E100M11NO3		
11	1.50	70	20	8.0	6.2	3	9.5	E100M11NO8		
12	1.75	75	25	9.0	7.0	4	10.3	E100M12NO3		E101M12NO3
12	1.75	75	25	9.0	7.0	4	10.3	E100M12NO8	E102M12NO8 <sup>1)</sup>	E101M12NO8
14	2.00	80	25	11.0	9.0	4	12	E100M14NO3		E101M14NO3
14	2.00	80	25	11.0	9.0	4	12	E100M14NO8	E102M14NO8 <sup>1)</sup>	E101M14NO8
16	2.00	80	25	12.0	9.0	4	14	E100M16NO3		E101M16NO3
16	2.00	80	25	12.0	9.0	4	14	E100M16NO8	E102M16NO8 <sup>1)</sup>	E101M16NO8
18	2.50	95	32	14.0	11.0	4	15.5	E100M18NO3		
18	2.50	95	32	14.0	11.0	4	15.5	E100M18NO8	E102M18NO8 <sup>1)</sup>	
20	2.50	95	32	16.0	12.0	4	17.5	E100M20NO3		
20	2.50	95	32	16.0	12.0	4	17.5	E100M20NO8	E102M20NO8 <sup>1)</sup>	
22	2.50	100	34	18.0	14.5	4	19.5	E100M22NO3		
22	2.50	100	34	18.0	14.5	4	19.5	E100M22NO8		
24	3.00	110	38	18.0	14.5	4	21	E100M24NO3		
24	3.00	110	38	18.0	14.5	4	21	E100M24NO8	E102M24NO8 <sup>1)</sup>	
27	3.00	110	38	20.0	16.0	4	24	E100M27NO3		
27	3.00	110	38	20.0	16.0	4	24	E100M27NO8	E102M27NO8 <sup>1)</sup>	
30	3.50	125	45	22.0	18.0	4	26.5	E100M30NO3		
30	3.50	125	45	22.0	18.0	4	26.5	E100M30NO8	E102M30NO8 <sup>1)</sup>	
33	3.50	125	50	25.0	20.0	4	29.5	E100M33NO3		
33	3.50	125	50	25.0	20.0	4	29.5	E100M33NO8		
36	4.00	150	56	28.0	22.0	4	32	E100M36NO3		
36	4.00	150	56	28.0	22.0	4	32	E100M36NO8		
39	4.00	150	60	32.0	24.0	4	35	E100M39NO3		
39	4.00	150	60	32.0	24.0	4	35	E100M39NO8		
42	4.50	150	60	32.0	24.0	4	37.5	E100M42NO3		
42	4.50	150	60	32.0	24.0	4	37.5	E100M42NO8		
45	4.50	160	65	36.0	29.0	6	40.5	E100M45NO3		
45	4.50	160	65	36.0	29.0	6	40.5	E100M45NO8		
48	5.00	180	70	36.0	29.0	6	43	E100M48NO3		
48	5.00	180	70	36.0	29.0	6	43	E100M48NO8		
52	5.00	180	70	40.0	32.0	6	47	E100M52NO3		
52	5.00	180	70	40.0	32.0	6	47	E100M52NO8		

<sup>1)</sup> 4号操作指示 / NO4 com guia piloto / NO4 con guía piloto / No4 with pilot Guide

<b>E200</b>	M	DIN 371	6H		1.5XD	HSS-E	A 6-8 C 2-3			
<b>E250</b>	M	DIN 376	6H		1.5XD	HSS-E	A 6-8 C 2-3			
<b>E237</b>	M	DIN 371	6H		1.5XD	HSS-E	C 2-3			
<b>E251</b>	M	DIN 376	6H		1.5XD	HSS-E	C 2-3			

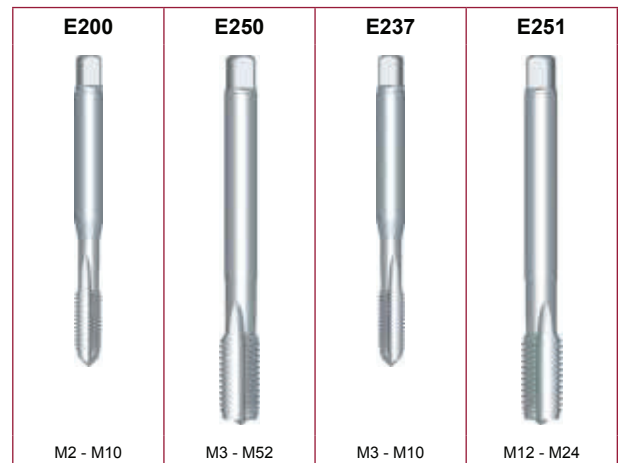
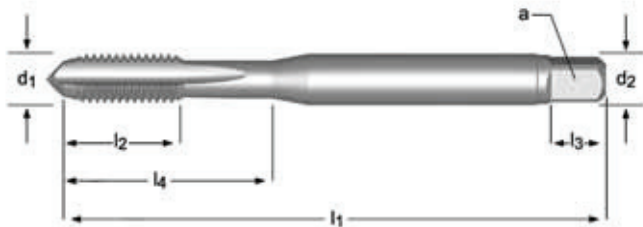
**E200** • M 机用丝锥 直槽

**E250** • M Macho Máquina Canal Reto

**E237** • M Machos de máquina Estrías rectas


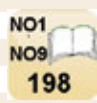
**E251** • M Machine Tap Straight Flute

E200; E250; E237; E251 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2



M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E200	E250	E237	E251
2	0.40	45	6	2.8	2.1	5	3	1.6	9	E200M2			
2.2	0.45	45	7	2.8	2.1	5	3	1.75	12	E200M2.2			
2.5	0.45	50	8	2.8	2.1	5	3	2.05	12.5	E200M2.5			
3	0.50	56	10	2.2	2.1	5	3	2.5			E250M3		
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E200M3		E237M3	
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E200M3NO1			
3.5	0.60	56	11	2.5	2.1	5	3	2.9			E250M3.5		
3.5	0.60	56	11	4.0	3.0	6	3	2.9	20	E200M3.5			
4	0.70	63	12	2.8	2.1	5	3	3.3			E250M4		
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E200M4		E237M4	
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E200M4NO1			
5	0.80	70	13	3.5	2.7	6	3	4.2			E250M5		
5	0.80	70	13	6.0	4.9	8	3	4.2	25	E200M5		E237M5	
5	0.80	70	13	6.0	4.9	8	3	4.2	25	E200M5NO1			
6	1.00	80	15	4.5	3.4	6	3	5.0			E250M6		
6	1.00	80	15	6.0	4.9	8	3	5.0	30	E200M6		E237M6	
6	1.00	80	15	4.5	3.4	6	3	5.0			E250M6NO1		
6	1.00	80	15	6.0	4.9	8	3	5.0	30	E200M6NO1			
7	1.00	80	15	5.5	4.3	7	3	6.0			E250M7		
7	1.00	80	15	7.0	5.5	8	3	6.0	30	E200M7			

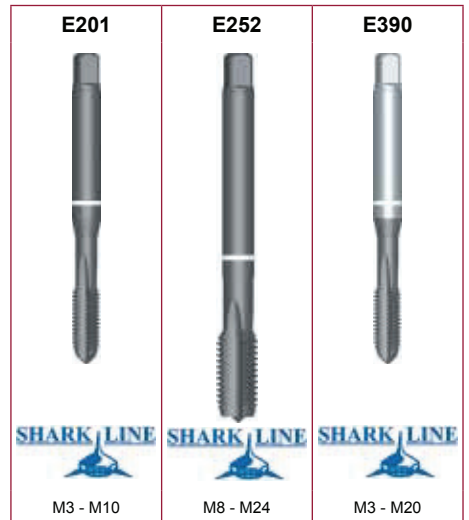
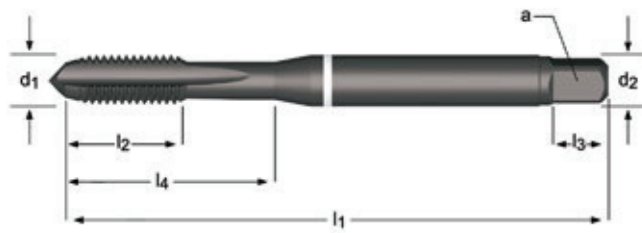


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z	 mm	l <sub>4</sub> mm	E200	E250	E237	E251
8	1.25	90	18	6.0	4.9	8	3	6.8			E250M8		
8	1.25	90	18	8.0	6.2	9	3	6.8	35	E200M8		E237M8	
8	1.25	90	18	6.0	4.9	8	3	6.8			E250M8NO1		
8	1.25	90	18	8.0	6.2	9	3	6.8	35	E200M8NO1			
10	1.50	100	20	10.0	8.0	11	3	8.5	39	E200M10		E237M10	
10	1.50	100	20	7.0	5.5	8	3	8.5			E250M10		
10	1.50	100	20	10.0	8.0	11	3	8.5	39	E200M10NO1			
10	1.50	100	20	7.0	5.5	8	3	8.5			E250M10NO1		
12	1.75	110	23	9.0	7.0	10	4	10.3					E251M12
12	1.75	110	23	9.0	7.0	10	3	10.3			E250M12		
12	1.75	110	23	9.0	7.0	10	3	10.3			E250M12NO1		
14	2.00	110	25	11.0	9.0	12	4	12.0					E251M14
14	2.00	110	25	11.0	9.0	12	3	12.0			E250M14		
14	2.00	110	25	11.0	9.0	12	3	12.0			E250M14NO1		
16	2.00	110	25	12.0	9.0	12	4	14.0					E251M16
16	2.00	110	25	12.0	9.0	12	3	14.0			E250M16		
16	2.00	110	25	12.0	9.0	12	3	14.0			E250M16NO1		
18	2.50	125	30	14.0	11.0	14	4	15.5					E251M18
18	2.50	125	30	14.0	11.0	14	3	15.5			E250M18		
18	2.50	125	30	14.0	11.0	14	3	15.5			E250M18NO1		
20	2.50	140	30	16.0	12.0	15	4	17.5					E251M20
20	2.50	140	30	16.0	12.0	15	3	17.5			E250M20		
20	2.50	140	30	16.0	12.0	15	3	17.5			E250M20NO1		
22	2.50	140	34	18.0	14.5	17	4	19.5					E251M22
22	2.50	140	34	18.0	14.5	17	4	19.5			E250M22		
22	2.50	140	34	18.0	14.5	17	4	19.5			E250M22NO1		
24	3.00	160	38	18.0	14.5	17	4	21.0					E251M24
24	3.00	160	38	18.0	14.5	17	4	21.0			E250M24		
27	3.00	160	38	20.0	16.0	19	4	24.0			E250M27		
30	3.50	180	45	22.0	18.0	21	4	26.5			E250M30		
33	3.50	180	50	25.0	20.0	23	4	29.5			E250M33		
36	4.00	200	55	28.0	22.0	25	4	32.0			E250M36		
39	4.00	200	60	32.0	24.0	27	4	35.0			E250M39		
42	4.50	200	60	32.0	24.0	27	4	37.5			E250M42		
45	4.50	220	65	36.0	29.0	32	6	40.5			E250M45		
48	5.00	250	70	36.0	29.0	32	6	43.0			E250M48		
52	5.00	250	70	40.0	32.0	35	6	47.0			E250M52		

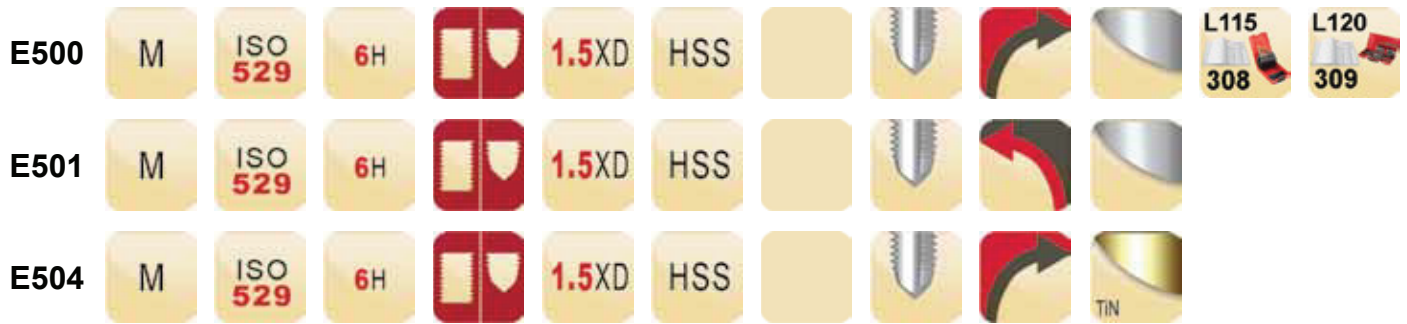
<b>E201</b>	M	DIN 371	6HX		2XD	HSS-E PM	C 2-3			ST
<b>E252</b>	M	DIN 376	6HX		2XD	HSS-E PM	C 2-3			ST
<b>E390</b>	M	DIN 371 <math>\leq 10</math> 376 > 12	6HX		2XD	HSS-E PM	C 2-3			TAIN

- E201** • M 机用直槽丝锥，白圈鲨鱼丝锥
- E252** • M Macho Máquina Canal Reto , Shark - Anel Branco
- E390** • M Machine Tap Straight Flute, White Shark

<b>E201; E252; E390</b>	■	3.1	3.2	3.3	8.2
	•	3.4	6.2	6.4	7.4



M	P mm	$l_1$ mm	$l_2$ mm	$d_2$ $\varnothing$ mm	$\sphericalangle$ a mm	$l_3$ mm	z		$l_4$ mm	E201	E252	E390
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E201M3		E390M3
4	0.70	63	12	4.5	3.4	6	4	3.3	21	E201M4		E390M4
5	0.80	70	13	6.0	4.9	8	4	4.2	25	E201M5		E390M5
6	1.00	80	15	6.0	4.9	8	4	5.0	30	E201M6		E390M6
8	1.25	90	18	6.0	4.9	8	4	6.8			E252M8	
8	1.25	90	18	8.0	6.2	9	4	6.8	35	E201M8		E390M8
10	1.50	100	20	10.0	8.0	11	4	8.5	39	E201M10		E390M10
10	1.50	100	20	7.0	5.5	8	4	8.5			E252M10	
12	1.75	110	23	9.0	7.0	10	4	10.3			E252M12	E390M12
14	2.00	110	25	11.0	9.0	12	4	12.0			E252M14	
16	2.00	110	25	12.0	9.0	12	4	14.0			E252M16	E390M16
18	2.50	125	30	14.0	11.0	14	4	15.5			E252M18	
20	2.50	140	30	16.0	12.0	15	4	17.5			E252M20	E390M20
22	2.50	140	34	18.0	14.5	17	4	19.5			E252M22	
24	3.00	160	38	18.0	14.5	17	4	21.0			E252M24	



## E500

- M 机用丝锥 直槽

## E501

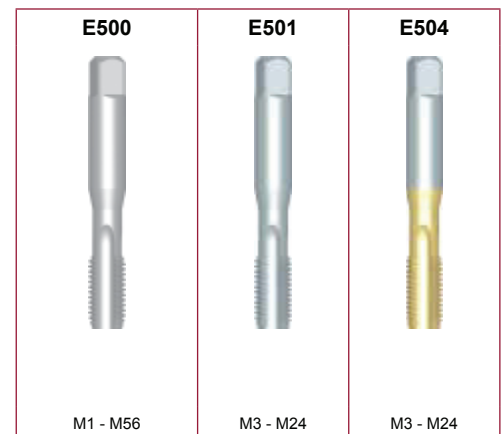
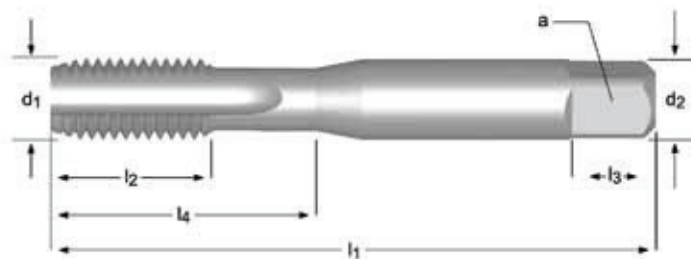
- M Macho Máquina Canal Reto

- M Machos de máquina Estrías rectas

## E504



- M Machine Tap Straight Flute



E500; E501	•	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3
E504	▪	3.1	3.2	3.3															
	•	1.1	1.2	1.3	1.4	1.5	3.4	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3				





M	P	$l_1$	$l_2$	$d_2$	$\square$	$l_3$	$z$	$l_4$	E500	E501	E504
mm	mm	mm	mm	mm	mm	mm		mm			
1	0.25	38	4.5	2.50	2.00	4	2	0.75	4.5	E500M1NO1	
1	0.25	38	4.5	2.50	2.00	4	2	0.75	4.5	E500M1NO2	
1	0.25	38	4.5	2.50	2.00	4	2	0.75	4.5	E500M1NO3	
1.2	0.25	38	4.5	2.50	2.00	4	2	0.95	4.5	E500M1.2NO1	
1.2	0.25	38	4.5	2.50	2.00	4	2	0.95	4.5	E500M1.2NO2	
1.2	0.25	38	4.5	2.50	2.00	4	2	0.95	4.5	E500M1.2NO3	
1.4	0.30	40	6	2.50	2.00	4	2	1.1	6	E500M1.4NO1	
1.4	0.30	40	6	2.50	2.00	4	2	1.1	6	E500M1.4NO2	
1.4	0.30	40	6	2.50	2.00	4	2	1.1	6	E500M1.4NO3	
1.6	0.35	41	8	2.50	2.00	4	2	1.25	8	E500M1.6NO1	
1.6	0.35	41	8	2.50	2.00	4	2	1.25	8	E500M1.6NO2	
1.6	0.35	41	8	2.50	2.00	4	2	1.25	8	E500M1.6NO3	
1.6	0.35	41	8	2.50	2.00	4	2	1.25	8	E500M1.6NO6	
1.7	0.35	41	8	2.50	2.00	4	2	1.35	8	E500M1.7NO1	
1.7	0.35	41	8	2.50	2.00	4	2	1.35	8	E500M1.7NO2	
1.7	0.35	41	8	2.50	2.00	4	2	1.35	8	E500M1.7NO3	
1.7	0.35	41	8	2.50	2.00	4	2	1.35	8	E500M1.7NO6	
1.7	0.35	41	8	2.50	2.00	4	2	1.35	8	E500M1.7NO8	
1.8	0.35	41	8	2.50	2.00	4	2	1.45	8	E500M1.8NO1	
1.8	0.35	41	8	2.50	2.00	4	2	1.45	8	E500M1.8NO2	
1.8	0.35	41	8	2.50	2.00	4	2	1.45	8	E500M1.8NO3	
2	0.40	41	8	2.50	2.00	4	3	1.6	8	E500M2NO1	
2	0.45	41	8	2.50	2.00	4	3	1.55	8	E500M2X.45NO1	
2	0.40	41	8	2.50	2.00	4	3	1.6	8	E500M2NO2	
2	0.45	41	8	2.50	2.00	4	3	1.55	8	E500M2X.45NO2	
2	0.40	41	8	2.50	2.00	4	3	1.6	8	E500M2NO3	

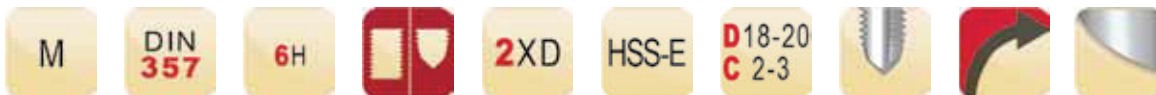


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E500	E501	E504
2	0.45	41	8	2.50	2.00	4	3	1.55	8	E500M2X.45NO3		
2	0.40	41	8	2.50	2.00	4	3	1.6	8	E500M2NO6		
2	0.40	41	8	2.50	2.00	4	3	1.6	8	E500M2NO8		
2.2	0.45	44.5	9.5	2.80	2.24	5	3	1.75	9.5	E500M2.2NO1		
2.2	0.45	44.5	9.5	2.80	2.24	5	3	1.75	9.5	E500M2.2NO2		
2.2	0.45	44.5	9.5	2.80	2.24	5	3	1.75	9.5	E500M2.2NO3		
2.3	0.45	44.5	9.5	2.80	2.24	5	3	1.85	9.5	E500M2.3NO1		
2.3	0.45	44.5	9.5	2.80	2.24	5	3	1.85	9.5	E500M2.3NO2		
2.3	0.45	44.5	9.5	2.80	2.24	5	3	1.85	9.5	E500M2.3NO3		
2.5	0.45	44.5	9.5	2.80	2.24	5	3	2.05	9.5	E500M2.5NO1		
2.5	0.45	44.5	9.5	2.80	2.24	5	3	2.05	9.5	E500M2.5NO2		
2.5	0.45	44.5	9.5	2.80	2.24	5	3	2.05	9.5	E500M2.5NO3		
2.5	0.45	44.5	9.5	2.80	2.24	5	3	2.05	9.5	E500M2.5NO6		
2.5	0.45	44.5	9.5	2.80	2.24	5	3	2.05	9.5	E500M2.5NO8		
2.6	0.45	44.5	9.5	2.80	2.24	5	3	2.15	9.5	E500M2.6NO1		
2.6	0.45	44.5	9.5	2.80	2.24	5	3	2.15	9.5	E500M2.6NO2		
2.6	0.45	44.5	9.5	2.80	2.24	5	3	2.15	9.5	E500M2.6NO3		
3	0.50	48	12.5	3.15	2.50	5	3	2.5	12.5	E500M3NO1	E501M3NO1	
3	0.60	48	12.5	3.15	2.50	5	3	2.4	12.5	E500M3X.6NO1		
3	0.50	48	12.5	3.15	2.50	5	3	2.5	12.5	E500M3NO2	E501M3NO2	
3	0.60	48	12.5	3.15	2.50	5	3	2.4	12.5	E500M3X.6NO2		
3	0.50	48	12.5	3.15	2.50	5	3	2.5	12.5	E500M3NO3	E501M3NO3	E504M3NO3
3	0.60	48	12.5	3.15	2.50	5	3	2.4	12.5	E500M3X.6NO3		
3	0.50	48	12.5	3.15	2.50	5	3	2.5	12.5	E500M3NO6		
3	0.50	48	12.5	3.15	2.50	5	3	2.5	12.5	E500M3NO7		
3	0.50	48	12.5	3.15	2.50	5	3	2.5	12.5	E500M3NO8		
3.5	0.60	50	14	3.55	2.80	5	3	2.9	14	E500M3.5NO1		
3.5	0.60	50	14	3.55	2.80	5	3	2.9	14	E500M3.5NO2		
3.5	0.60	50	14	3.55	2.80	5	3	2.9	14	E500M3.5NO3		
3.5	0.60	50	14	3.55	2.80	5	3	2.9	14	E500M3.5NO6		
4	0.70	53	14	4.00	3.15	6	3	3.3	14	E500M4NO1	E501M4NO1	
4	0.75	53	14	4.00	3.15	6	3	3.25	14	E500M4X.75NO1		
4	0.70	53	14	4.00	3.15	6	3	3.3	14	E500M4NO2	E501M4NO2	
4	0.75	53	14	4.00	3.15	6	3	3.25	14	E500M4X.75NO2		
4	0.70	53	14	4.00	3.15	6	3	3.3	14	E500M4NO3	E501M4NO3	E504M4NO3
4	0.75	53	14	4.00	3.15	6	3	3.25	14	E500M4X.75NO3		
4	0.70	53	14	4.00	3.15	6	3	3.3	14	E500M4NO6		
4	0.70	53	14	4.00	3.15	6	3	3.3	14	E500M4NO7		
4	0.70	53	14	4.00	3.15	6	3	3.3	14	E500M4NO8		
4.5	0.75	53	9.5	4.50	3.55	6	3	3.8	18	E500M4.5NO1		
4.5	0.75	53	9.5	4.50	3.55	6	3	3.8	18	E500M4.5NO2		
4.5	0.75	53	9.5	4.50	3.55	6	3	3.8	18	E500M4.5NO3		
4.5	0.75	53	9.5	4.50	3.55	6	3	3.8	18	E500M4.5NO6		
5	0.80	58	11	5.00	4.00	7	3	4.2	22	E500M5NO1		
5	0.90	58	11	5.00	4.00	7	3	4.1	22	E500M5X.9NO1		
5	0.80	58	11	5.00	4.00	7	3	4.2	22	E500M5NO2	E501M5NO2	
5	0.90	58	11	5.00	4.00	7	3	4.1	22	E500M5X.9NO2		
5	0.80	58	11	5.00	4.00	7	3	4.2	22	E500M5NO3	E501M5NO3	E504M5NO3
5	0.90	58	11	5.00	4.00	7	3	4.1	22	E500M5X.9NO3		
5	0.80	58	11	5.00	4.00	7	3	4.2	22	E500M5NO6		
5	0.80	58	11	5.00	4.00	7	3	4.2	22	E500M5NO7		
5	0.80	58	11	5.00	4.00	7	3	4.2	22	E500M5NO8		
5.5	0.90	62	12	5.60	4.50	7	3	4.6	21	E500M5.5X.9NO1		
5.5	0.90	62	12	5.60	4.50	7	3	4.6	21	E500M5.5X.9NO2		
5.5	0.90	62	12	5.60	4.50	7	3	4.6	21	E500M5.5X.9NO3		
6	1.00	66	13	6.30	5.00	8	3	5	26	E500M6NO1	E501M6NO1	
6	1.00	66	13	6.30	5.00	8	3	5	26	E500M6NO2	E501M6NO2	
6	1.00	66	13	6.30	5.00	8	3	5	26	E500M6NO3	E501M6NO3	E504M6NO3
6	1.00	66	13	6.30	5.00	8	3	5	26	E500M6NO6		
6	1.00	66	13	6.30	5.00	8	3	5	26	E500M6NO7		
6	1.00	66	13	6.30	5.00	8	3	5	26	E500M6NO8		
7	1.00	66	13	7.10	5.60	8	3	6	26	E500M7NO1		
7	1.00	66	13	7.10	5.60	8	3	6	26	E500M7NO2		
7	1.00	66	13	7.10	5.60	8	3	6	26	E500M7NO3		
7	1.00	66	13	7.10	5.60	8	3	6	26	E500M7NO6		
8	1.25	72	16	8.00	6.30	9	3	6.8	29	E500M8NO1	E501M8NO1	
8	1.25	72	16	8.00	6.30	9	3	6.8	29	E500M8NO2	E501M8NO2	
8	1.25	72	16	8.00	6.30	9	3	6.8	29	E500M8NO3	E501M8NO3	E504M8NO3
8	1.25	72	16	8.00	6.30	9	3	6.8	29	E500M8NO6		
8	1.25	72	16	8.00	6.30	9	3	6.8	29	E500M8NO7		

M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E500	E501	E504
8	1.25	72	16	8.00	6.30	9	3	6.8	29	E500M8NO8		
9	1.25	72	16	9.00	7.10	10	3	7.8	29	E500M9NO1		
9	1.25	72	16	9.00	7.10	10	3	7.8	29	E500M9NO2		
9	1.25	72	16	9.00	7.10	10	3	7.8	29	E500M9NO3		
9	1.25	72	16	9.00	7.10	10	3	7.8	29	E500M9NO6		
10	1.50	80	18	10.00	8.00	11	3	8.5	34	E500M10NO1	E501M10NO1	
10	1.50	80	18	10.00	8.00	11	3	8.5	34	E500M10NO2	E501M10NO2	
10	1.50	80	18	10.00	8.00	11	3	8.5	34	E500M10NO3	E501M10NO3	E504M10NO3
10	1.50	80	18	10.00	8.00	11	3	8.5	34	E500M10NO6		
10	1.50	80	18	10.00	8.00	11	3	8.5	34	E500M10NO7		
10	1.50	80	18	10.00	8.00	11	3	8.5	34	E500M10NO8		
11	1.50	85	19	8.00	6.30	9	3	9.5	-	E500M11NO1		
11	1.50	85	19	8.00	6.30	9	3	9.5	-	E500M11NO2		
11	1.50	85	19	8.00	6.30	9	3	9.5	-	E500M11NO3		
11	1.50	85	19	8.00	6.30	9	3	9.5	-	E500M11NO6		
12	1.75	89	22	9.00	7.10	10	3	10.3	-	E500M12NO1	E501M12NO1	
12	1.75	89	22	9.00	7.10	10	3	10.3	-	E500M12NO2	E501M12NO2	
12	1.75	89	22	9.00	7.10	10	3	10.3	-	E500M12NO3	E501M12NO3	E504M12NO3
12	1.75	89	22	9.00	7.10	10	3	10.3	-	E500M12NO6		
12	1.75	89	22	9.00	7.10	10	3	10.3	-	E500M12NO7		
12	1.75	89	22	9.00	7.10	10	3	10.3	-	E500M12NO8		
14	2.00	95	24	11.20	9.00	12	4	12	-	E500M14NO1	E501M14NO1	
14	2.00	95	24	11.20	9.00	12	4	12	-	E500M14NO2	E501M14NO2	
14	2.00	95	24	11.20	9.00	12	4	12	-	E500M14NO3	E501M14NO3	
14	2.00	95	24	11.20	9.00	12	4	12	-	E500M14NO6		
14	2.00	95	24	11.20	9.00	12	4	12	-	E500M14NO7		
14	2.00	95	24	11.20	9.00	12	4	12	-	E500M14NO8		
16	2.00	102	24	12.50	10.00	13	4	14	-	E500M16NO1	E501M16NO1	
16	2.00	102	24	12.50	10.00	13	4	14	-	E500M16NO2	E501M16NO2	
16	2.00	102	24	12.50	10.00	13	4	14	-	E500M16NO3	E501M16NO3	E504M16NO3
16	2.00	102	24	12.50	10.00	13	4	14	-	E500M16NO6		
16	2.00	102	24	12.50	10.00	13	4	14	-	E500M16NO7		
16	2.00	102	24	12.50	10.00	13	4	14	-	E500M16NO8		
18	2.50	112	29	14.00	11.20	14	4	15.5	-	E500M18NO1		
18	2.50	112	29	14.00	11.20	14	4	15.5	-	E500M18NO2		
18	2.50	112	29	14.00	11.20	14	4	15.5	-	E500M18NO3	E501M18NO3	
18	2.50	112	29	14.00	11.20	14	4	15.5	-	E500M18NO6		
20	2.50	112	29	14.00	11.20	14	4	17.5	-	E500M20NO1	E501M20NO1	
20	2.50	112	29	14.00	11.20	14	4	17.5	-	E500M20NO2	E501M20NO2	
20	2.50	112	29	14.00	11.20	14	4	17.5	-	E500M20NO3	E501M20NO3	E504M20NO3
20	2.50	112	29	14.00	11.20	14	4	17.5	-	E500M20NO6		
20	2.50	112	29	14.00	11.20	14	4	17.5	-	E500M20NO7		
20	2.50	112	29	14.00	11.20	14	4	17.5	-	E500M20NO8		
22	2.50	118	29	16.00	12.50	16	4	19.5	-	E500M22NO1		
22	2.50	118	29	16.00	12.50	16	4	19.5	-	E500M22NO2		
22	2.50	118	29	16.00	12.50	16	4	19.5	-	E500M22NO3	E501M22NO3	
22	2.50	118	29	16.00	12.50	16	4	19.5	-	E500M22NO6		
24	3.00	130	35	18.00	14.00	18	4	21	-	E500M24NO1		
24	3.00	130	35	18.00	14.00	18	4	21	-	E500M24NO2	E501M24NO2	
24	3.00	130	35	18.00	14.00	18	4	21	-	E500M24NO3	E501M24NO3	E504M24NO3
24	3.00	130	35	18.00	14.00	18	4	21	-	E500M24NO6		
24	3.00	130	35	18.00	14.00	18	4	21	-	E500M24NO7		
27	3.00	135	35	20.00	16.00	20	4	24	-	E500M27NO1		
27	3.00	135	35	20.00	16.00	20	4	24	-	E500M27NO2		
27	3.00	135	35	20.00	16.00	20	4	24	-	E500M27NO3		
30	3.50	138	41	20.00	16.00	20	4	26.5	-	E500M30NO1		
30	3.50	138	41	20.00	16.00	20	4	26.5	-	E500M30NO2		
30	3.50	138	41	20.00	16.00	20	4	26.5	-	E500M30NO3		
33	3.50	151	41	22.40	18.00	22	4	29.5	-	E500M33NO1		
33	3.50	151	41	22.40	18.00	22	4	29.5	-	E500M33NO2		
33	3.50	151	41	22.40	18.00	22	4	29.5	-	E500M33NO3		
36	4.00	162	47	25.00	20.00	24	4	32	-	E500M36NO1		
36	4.00	162	47	25.00	20.00	24	4	32	-	E500M36NO2		
36	4.00	162	47	25.00	20.00	24	4	32	-	E500M36NO3		
39	4.00	170	47	28.00	22.40	26	4	35	-	E500M39NO1		
39	4.00	170	47	28.00	22.40	26	4	35	-	E500M39NO2		
39	4.00	170	47	28.00	22.40	26	4	35	-	E500M39NO3		
42	4.50	170	53	28.00	22.40	26	6	37.5	-	E500M42NO1		
42	4.50	170	53	28.00	22.40	26	6	37.5	-	E500M42NO2		
42	4.50	170	53	28.00	22.40	26	6	37.5	-	E500M42NO3		

M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E500	E501	E504
45	4.50	187	54	31.50	25.00	28	6	40.5	-	E500M45NO1		
45	4.50	187	54	31.50	25.00	28	6	40.5	-	E500M45NO2		
45	4.50	187	54	31.50	25.00	28	6	40.5	-	E500M45NO3		
48	5.00	187	60	31.50	25.00	28	6	43	-	E500M48NO1		
48	5.00	187	60	31.50	25.00	28	6	43	-	E500M48NO2		
48	5.00	187	60	31.50	25.00	28	6	43	-	E500M48NO3		
52	5.00	200	60	35.50	28.00	31	6	47	-	E500M52NO3		
56	5.50	200	60	35.50	28.00	31	6	50.5	-	E500M56NO3		

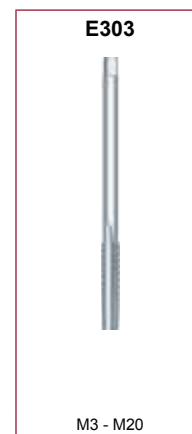
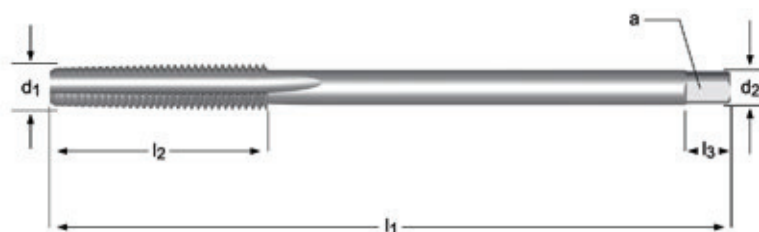
E303



- M 机用丝锥 直槽
- M Macho Máquina Canal Reto
- M Machos de máquina Estrías rectas
- M Machine Tap Straight Flute

## E303

E303 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2



M	P mm	$l_1$ mm	$l_2$ mm	$d_2$ Ø mm	□ a mm	$l_3$ mm	z		E303
3	0.50	70	22	2.2	2.1	5	3	2.5	E303M3NO1
3	0.50	70	22	2.2	2.1	5	3	2.5	E303M3NO3
4	0.70	90	25	2.8	2.1	5	3	3.3	E303M4NO1
4	0.70	90	25	2.8	2.1	5	3	3.3	E303M4NO3
5	0.80	100	28	3.5	2.7	6	3	4.2	E303M5NO1
5	0.80	100	28	3.5	2.7	6	3	4.2	E303M5NO3
6	1.00	110	32	4.5	3.4	6	3	5.0	E303M6NO1
6	1.00	110	32	4.5	3.4	6	3	5.0	E303M6NO3
8	1.25	125	40	6.0	4.9	8	3	6.8	E303M8NO1
8	1.25	125	40	6.0	4.9	8	3	6.8	E303M8NO3
10	1.50	140	45	7.0	5.5	8	3	8.5	E303M10NO1
10	1.50	140	45	7.0	5.5	8	3	8.5	E303M10NO3
12	1.75	180	50	9.0	7.0	10	3	10.3	E303M12NO1
12	1.75	180	50	9.0	7.0	10	3	10.3	E303M12NO3
14	2.00	200	56	11.0	9.0	12	3	12.0	E303M14NO1
14	2.00	200	56	11.0	9.0	12	3	12.0	E303M14NO3
16	2.00	200	63	12.0	9.0	12	3	14.0	E303M16NO1
16	2.00	200	63	12.0	9.0	12	3	14.0	E303M16NO3
18	2.50	220	63	14.0	11.0	14	3	15.5	E303M18NO1
18	2.50	220	63	14.0	11.0	14	3	15.5	E303M18NO3
20	2.50	250	70	16.0	12.0	15	3	17.5	E303M20NO1
20	2.50	250	70	16.0	12.0	15	3	17.5	E303M20NO3

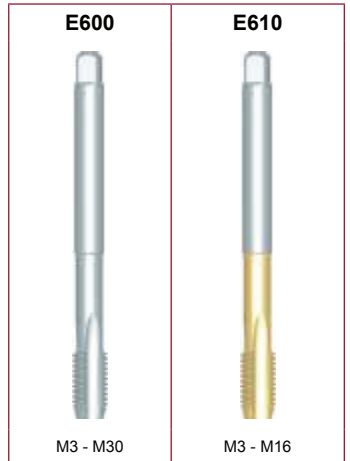
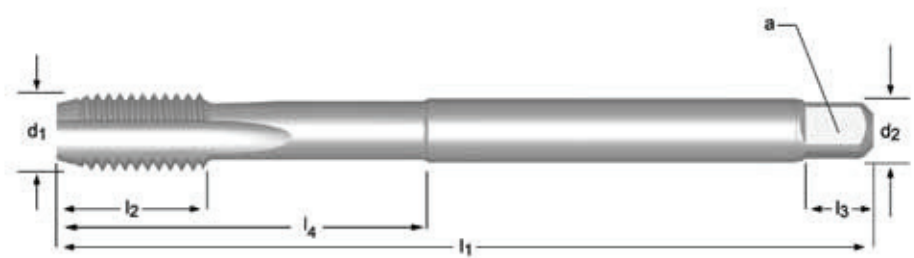
NO1  
NO3  
198





- E600**
- M 机用丝锥, 超长, 直槽
  - M Macho Máquina Extra Longo Canal Reto
- E610**
- M Machos de máquina Extra largo Estrías rectas
  - M Machine Tap, Extra Long Straight Flute

<b>E600</b>	•	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3	
<b>E610</b>	▪	3.1	3.2	3.3																
	•	1.1	1.2	1.3	1.4	1.5	3.4	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3					



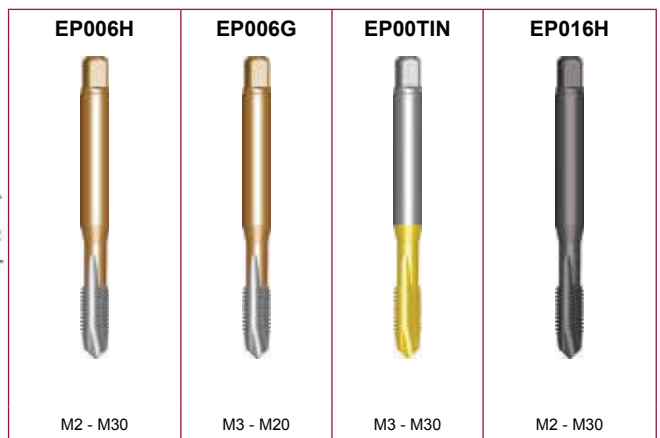
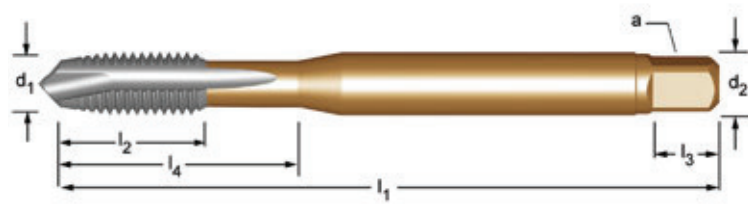
M	P mm	$l_1$ mm	$l_2$ mm	$d_2$ Ø mm	$\square$ a mm	$l_3$ mm	z		$l_4$ mm	E600	E610
3	0.50	66	9	3.15	2.50	5	3	2.5	18	E600M3NO3	E610M3NO3
4	0.70	73	12	3.15	2.50	5	3	3.3	-	E600M4NO1	
4	0.70	73	12	3.15	2.50	5	3	3.3	-	E600M4NO2	
4	0.70	73	12	3.15	2.50	5	3	3.3	-	E600M4NO3	E610M4NO3
5	0.80	79	12	4.00	3.15	6	3	4.2	-	E600M5NO1	
5	0.80	79	12	4.00	3.15	6	3	4.2	-	E600M5NO2	
5	0.80	79	12	4.00	3.15	6	3	4.2	-	E600M5NO3	E610M5NO3
6	1.00	89	14	4.50	3.55	6	3	5	-	E600M6NO1	
6	1.00	89	14	4.50	3.55	6	3	5	-	E600M6NO2	
6	1.00	89	14	4.50	3.55	6	3	5	-	E600M6NO3	E610M6NO3
8	1.25	97	17	6.30	5.00	8	3	6.8	-	E600M8NO1	
8	1.25	97	17	6.30	5.00	8	3	6.8	-	E600M8NO2	
8	1.25	97	17	6.30	5.00	8	3	6.8	-	E600M8NO3	E610M8NO3
10	1.50	108	19	8.00	6.30	9	3	8.5	-	E600M10NO1	
10	1.50	108	19	8.00	6.30	9	3	8.5	-	E600M10NO2	
10	1.50	108	19	8.00	6.30	9	3	8.5	-	E600M10NO3	E610M10NO3
12	1.75	119	23	9.00	7.10	10	3	10.3	-	E600M12NO1	
12	1.75	119	23	9.00	7.10	10	3	10.3	-	E600M12NO2	
12	1.75	119	23	9.00	7.10	10	3	10.3	-	E600M12NO3	E610M12NO3
14	2.00	127	25	11.20	9.00	12	4	12	-	E600M14NO3	E610M14NO3
16	2.00	137	25	12.50	10.0	13	4	14	-	E600M16NO3	E610M16NO3
20	2.50	149	30	14.00	11.2	14	4	17.5	-	E600M20NO2	
20	2.50	149	30	14.00	11.2	14	4	17.5	-	E600M20NO3	
24	3.00	172	36	18.00	14.0	18	4	21	-	E600M24NO3	
30	3.50	183	42	20.00	16.0	20	4	26.5	-	E600M30NO3	




EP006H	M	DIN 371≤10 376≥12	6H		2.5XD	HSS-E	B 3.5-5				L114 307
EP006G	M	DIN 371≤10 376≥12	6G		2.5XD	HSS-E	B 3.5-5				
EP00TIN	M	DIN 371≤10 376≥12	6H		2.5XD	HSS-E	B 3.5-5			TIN	
EP016H	M	DIN 371≤10 376≥12	6H		2.5XD	HSS-E	B 3.5-5			ST	

- EP006H** • M 机用螺尖 丝锥
- EP006G** • M Macho Máquina Ponta Helicoidal
- EP00TIN** • M Machos de máquina Entrada en hélice
- EP016H** • M Machine Tap Spiral Point

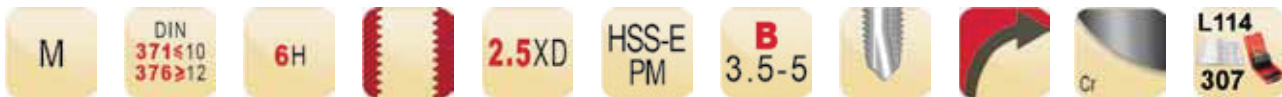
EP006H; EP006G	▪	1.1	1.2	1.3	1.4	1.5	6.1	6.3	7.1	7.2	7.3	7.4
	•	1.6	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.2	8.1
EP00TIN	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2	6.1	6.3	7.3	7.4
	•	1.6	2.3	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.2
EP016H	▪	1.1	1.2	1.3	1.4	1.5						
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4			



M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	EP006H	EP006G	EP00TIN	EP016H
2	0.40	50	6	2.8	2.1	5	2	1.6	9	EP00M2			EP01M2
2.5	0.45	50	8	2.8	2.1	5	2	2.1	12.5	EP00M2.5			EP01M2.5
3	0.50	56	10	2.2	1.8	4	3	2.5	18	EP00M3DIN376			EP01M3DIN376
3	0.50	56	9	3.5	2.7	6	3	2.5	18	EP00M3	EP006GM3	EP00TINM3	EP01M3
3.5	0.60	56	11	4.0	3.0	6	3	2.9	20	EP00M3.5			EP01M3.5
4	0.70	63	12	2.8	2.1	5	3	3.3	21	EP00M4DIN376			EP01M4DIN376
4	0.70	63	12	4.5	3.4	6	3	3.3	21	EP00M4	EP006GM4	EP00TINM4	EP01M4
4.5	0.75	70	13	6.0	4.9	8	3	3.8	25	EP00M4.5			EP01M4.5
5	0.80	70	13	3.5	2.7	6	3	4.2	25	EP00M5DIN376			EP01M5DIN376
5	0.80	70	13	6.0	4.9	8	3	4.2	25	EP00M5	EP006GM5	EP00TINM5	EP01M5
6	1.00	80	15	4.5	3.4	6	3	5	30	EP00M6DIN376			EP01M6DIN376
6	1.00	80	15	6.0	4.9	8	3	5	30	EP00M6	EP006GM6	EP00TINM6	EP01M6
7	1.00	80	15	7.0	5.5	8	3	6	30	EP00M7			EP01M7
8	1.25	90	18	6.0	4.9	8	3	6.8	35	EP00M8DIN376			EP01M8DIN376

M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	EP006H	EP006G	EP00TIN	EP016H
8	1.25	90	18	8.0	6.2	9	3	6.8	35	EP00M8	EP006GM8	EP00TINM8	EP01M8
10	1.50	100	20	10.0	8.0	11	3	8.5	39	EP00M10	EP006GM10	EP00TINM10	EP01M10
10	1.50	100	20	7.0	5.5	8	3	8.5	-	EP00M10DIN376			EP01M10DIN376
12	1.75	110	23	9.0	7.0	10	3	10.3	-	EP00M12	EP006GM12	EP00TINM12	EP01M12
14	2.00	110	25	11.0	9.0	12	3	12	-	EP00M14		EP00TINM14	EP01M14
16	2.00	110	25	12.0	9.0	12	3	14	-	EP00M16	EP006GM16	EP00TINM16	EP01M16
18	2.50	125	30	14.0	11.0	14	4	15.5	-	EP00M18		EP00TINM18	EP01M18
20	2.50	140	30	16.0	12.0	15	4	17.5	-	EP00M20	EP006GM20	EP00TINM20	EP01M20
22	2.50	140	34	18.0	14.5	17	4	19.5	-	EP00M22		EP00TINM22	EP01M22
24	3.00	160	38	18.0	14.5	17	4	21	-	EP00M24		EP00TINM24	EP01M24
27	3.00	160	38	20.0	16.0	19	4	24	-	EP00M27		EP00TINM27	EP01M27
30	3.50	180	45	22.0	18.0	21	4	26.5	-	EP00M30		EP00TINM30	EP01M30

E297

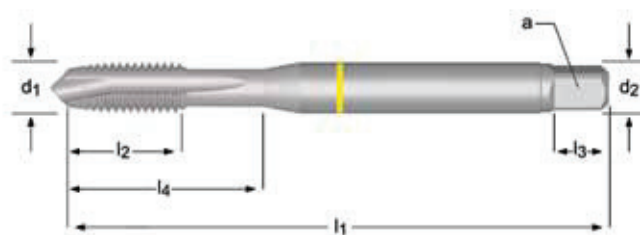


- M 机用螺尖丝锥，黄圈鲨鱼丝锥
- M Macho Máquina Ponta Helicoidal, Shark - Anel Amarelo
- M Macho de máquina con entrada en hélice Shark (Anillo Amarillo)
- M Machine Tap Spiral Point, Yellow Shark

提供HSS-E，直到新的可用库存  
 Fornecido em HSS-E até disponibilidade do novo estoque  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Supplied in HSS-E until new stock available

## E297

E297	■	1.1	1.2	1.3	6.1	6.3
	•	1.4	1.5	6.2		

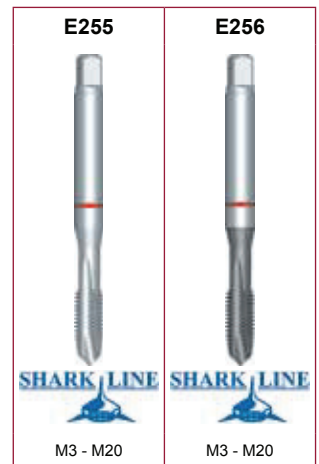
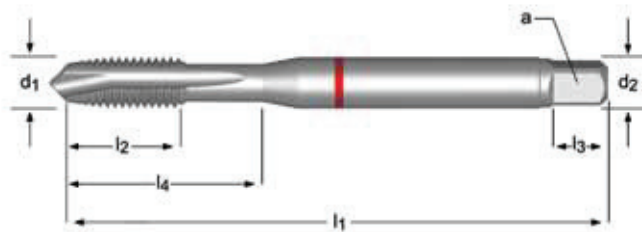


M	P mm	$l_1$ mm	$l_2$ mm	$d_2$ Ø mm	$\square$ a mm	$l_3$ mm	z		$l_4$ mm	E297
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E297M3
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E297M4
5	0.80	70	13	6.0	4.9	8	3	4.2	25	E297M5
6	1.00	80	15	6.0	4.9	8	3	5.0	30	E297M6
8	1.25	90	18	8.0	6.2	9	3	6.8	35	E297M8
10	1.50	100	20	10.0	8.0	11	3	8.5	39	E297M10
12	1.75	110	23	9.0	7.0	10	3	10.3	-	E297M12
14	2.00	110	25	11.0	9.0	12	3	12.0	-	E297M14
16	2.00	110	25	12.0	9.0	12	3	14.0	-	E297M16
18	2.50	125	30	14.0	11.0	14	3	15.5	-	E297M18
20	2.50	140	30	16.0	12.0	15	3	17.5	-	E297M20
22	2.50	140	34	18.0	14.5	17	4	19.5	-	E297M22
24	3.00	160	38	18.0	14.5	17	4	21.0	-	E297M24
27	3.00	160	38	20.0	16.0	19	4	24.0	-	E297M27
30	3.50	180	45	22.0	18.0	21	4	26.5	-	E297M30

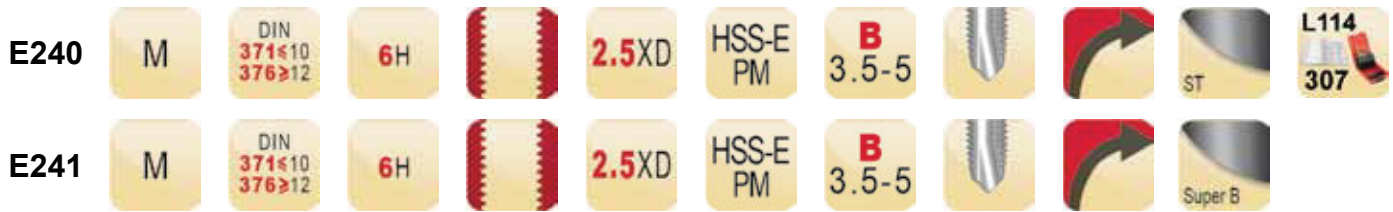


- E255**
- M 机用螺尖丝锥，红圈鲨鱼丝锥
  - M Macho Máquina Ponta Helicoidal, Shark - Anel Vermelho
- E256**
- M Macho de máquina con entrada en hélice Shark (Anillo Rojo)
  - M Machine Tap Spiral Point, Red Shark

<b>E255</b>	▪	1.4			
	•	1.5	1.6	4.2	5.2
<b>E256</b>	▪	1.4	1.5		
	•	1.6	4.2	5.2	



M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E255	E256
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E255M3	E256M3
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E255M4	E256M4
5	0.80	70	13	6.0	4.9	8	3	4.2	25	E255M5	E256M5
6	1.00	80	15	6.0	4.9	8	3	5.0	30	E255M6	E256M6
8	1.25	90	18	8.0	6.2	9	3	6.8	35	E255M8	E256M8
10	1.50	100	20	10.0	8.0	11	3	8.5	39	E255M10	E256M10
12	1.75	110	23	9.0	7.0	10	3	10.3	-	E255M12	E256M12
14	2.00	110	25	11.0	9.0	12	3	12.0	-	E255M14	
16	2.00	110	25	12.0	9.0	12	3	14.0	-	E255M16	E256M16
20	2.50	140	30	16.0	12.0	15	4	17.5	-	E255M20	E256M20



## E240

- M 机用螺尖丝锥，蓝圈鲨鱼丝锥
- M Macho Máquina Ponta Helicoidal Shark - Anel Azul

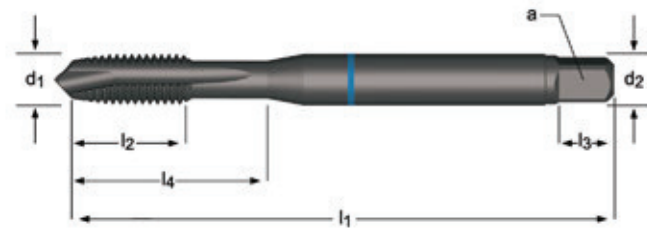
提供HSS-E，直到新的可用库存

Fornecido em HSS-E até disponibilidade do novo estoque

Suministrado en HSS-E hasta disponibilidad de nuevo stock

Supplied in HSS-E until new stock available

E240	▪	2.1	2.2	2.3
	•	1.5	1.6	
E241	▪	2.1	2.2	2.3
	•	1.3	1.4	1.5

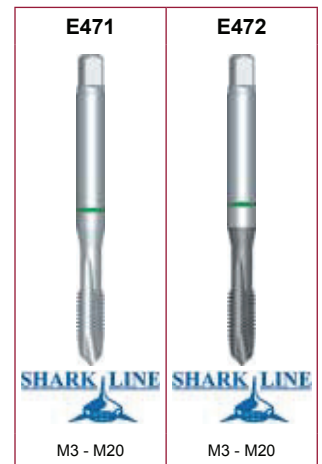
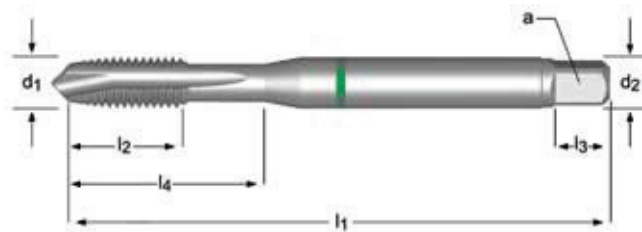


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z	↔	l <sub>4</sub> mm	E240	E241
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E240M3	E241M3
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E240M4	E241M4
5	0.80	70	13	6.0	4.9	8	3	4.2	25	E240M5	E241M5
6	1.00	80	15	6.0	4.9	8	3	5.0	30	E240M6	E241M6
8	1.25	90	18	8.0	6.2	9	3	6.8	35	E240M8	E241M8
10	1.50	100	20	10.0	8.0	11	3	8.5	39	E240M10	E241M10
12	1.75	110	23	9.0	7.0	10	4	10.3	-	E240M12	E241M12
14	2.00	110	25	11.0	9.0	12	4	12.0	-	E240M14	E241M14
16	2.00	110	25	12.0	9.0	12	4	14.0	-	E240M16	E241M16
18	2.50	125	30	14.0	11.0	14	4	15.5	-	E240M18	E241M18
20	2.50	140	30	16.0	12.0	15	4	17.5	-	E240M20	E241M20
22	2.50	140	34	18.0	14.5	17	4	19.5	-	E240M22	
24	3.00	160	38	18.0	14.5	17	4	21.0	-	E240M24	
27	3.00	160	38	20.0	16.0	19	4	24.0	-	E240M27	
30	3.50	180	45	22.0	18.0	21	4	26.5	-	E240M30	



- E471**
- M机用螺尖丝锥，绿圈鲨鱼丝锥
  - M Macho Máquina Ponta Helicoidal, Shark - Anel Verde
- E472**
- M Macho de máquina con entrada en hélice Shark (Anillo Verde)
  - M Machine Tap Spiral Point, Green Shark

E471	▪	6.2	6.3	7.1	7.2	7.3	8.1
	•	1.1	1.2	1.3	6.1	7.4	
E472	▪	4.1	5.1	6.2	7.2	7.3	7.4
	•	1.2	1.3	6.3	7.1	8.1	



M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z	↔	l <sub>4</sub> mm	E471	E472
3	0.50	56	9	3.5	2.7	6	2	2.5	18	E471M3	E472M3
4	0.70	63	12	4.5	3.4	6	2	3.3	21	E471M4	E472M4
5	0.80	70	13	6.0	4.9	8	2	4.2	25	E471M5	E472M5
6	1.00	80	15	6.0	4.9	8	3	5.0	30	E471M6	E472M6
8	1.25	90	18	8.0	6.2	9	3	6.8	35	E471M8	E472M8
10	1.50	100	20	10.0	8.0	11	3	8.5	39	E471M10	E472M10
12	1.75	110	23	9.0	7.0	10	3	10.3	-	E471M12	E472M12
16	2.00	110	25	12.0	9.0	12	4	14.0	-	E471M16	E472M16
20	2.50	140	30	16.0	12.0	15	4	17.5	-	E471M20	E472M20





# E000

- M 机用螺尖 丝锥

# E000TIN

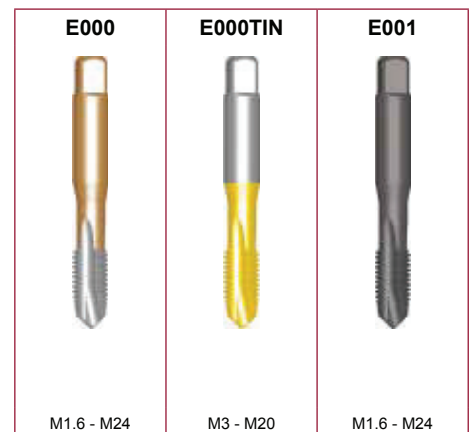
- M Macho Máquina Ponta Helicoidal

# E001

- M Machos de máquina Entrada en hélice

- M Machine Tap Spiral Point

<b>E000</b>	▪	1.1	1.2	1.3	1.4	1.5	6.1	6.3	7.1	7.2	7.3	7.4
	•	1.6	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.2	8.1
<b>E000TIN</b>	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2	6.1	6.3	7.3	7.4
	•	1.6	2.3	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.2
<b>E001</b>	▪	1.1	1.2	1.3	1.4	1.5						
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4			



M	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	∠ a	l <sub>3</sub>	z		l <sub>4</sub>	E000	E000TIN	E001
mm	mm	mm	mm	mm	mm	mm		mm	mm			
1.6	0.35	41	7	2.50	2.00	4	2	1.25	7	E000M1.6		E001M1.6
2	0.40	41	8	2.50	2.00	4	2	1.6	8	E000M2		E001M2
2.5	0.45	44.5	9.5	2.80	2.24	5	2	2.05	9.5	E000M2.5		E001M2.5
3	0.50	48	15	3.15	2.50	5	3	2.5	15	E000M3	E000TINM3	E001M3
3.5	0.60	50	16	3.55	2.80	5	3	2.9	16	E000M3.5		E001M3.5
4	0.70	53	17	4.00	3.15	6	3	3.3	17	E000M4	E000TINM4	E001M4
5	0.80	58	11	5.00	4.00	7	3	4.2	22	E000M5	E000TINM5	E001M5
6	1.00	66	13	6.30	5.00	8	3	5.0	26	E000M6	E000TINM6	E001M6
7	1.00	66	13	7.10	5.60	8	3	6.0	26	E000M7		E001M7
8	1.25	72	16	8.00	6.30	9	3	6.8	29	E000M8	E000TINM8	E001M8
10	1.50	80	18	10.00	8.00	11	3	8.5	34	E000M10	E000TINM10	E001M10
12	1.75	89	22	9.00	7.10	10	3	10.3	-	E000M12	E000TINM12	E001M12
14	2.00	95	24	11.20	9.00	12	3	12.0	-	E000M14		E001M14
16	2.00	102	24	12.50	10.00	13	3	14.0	-	E000M16	E000TINM16	E001M16
18	2.50	112	29	14.00	11.20	14	4	15.5	-	E000M18		E001M18
20	2.50	112	29	14.00	11.20	14	4	17.5	-	E000M20	E000TINM20	E001M20
22	2.50	118	29	16.00	12.50	16	4	19.5	-	E000M22		E001M22
24	3.00	130	35	18.00	14.00	18	4	21.0	-	E000M24		E001M24

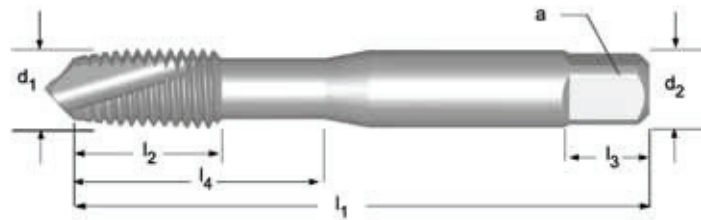
E510



- M 机用螺尖 丝锥
- M Macho Máquina Ponta Helicoidal
- M Machos de máquina Entrada en hélice
- M Machine Tap Spiral Point

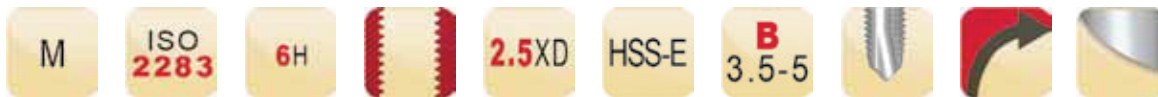
## E510

E510 • 1.5 1.6 2.1 2.2 2.3 3.1 3.2 3.3



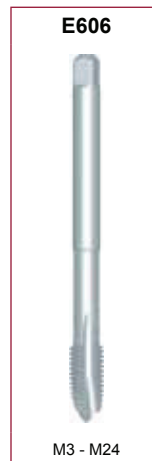
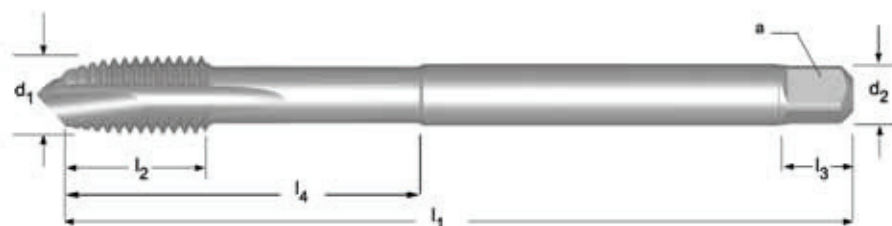
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E510
3	0.50	48	12.5	3.15	2.50	5	2	2.5	12.5	E510M3
4	0.70	53	14	4.00	3.15	6	2	3.3	14	E510M4
5	0.80	58	11	5.00	4.00	7	2	4.2	22	E510M5
6	1.00	66	13	6.30	5.00	8	3	5	26	E510M6
8	1.25	72	16	8.00	6.30	9	3	6.8	29	E510M8
10	1.50	80	18	10.00	8.00	11	3	8.5	34	E510M10

E606



- M 机用丝锥, 超长, 螺尖
- M Macho Máquina Extra Longo Ponta Helicoidal
- M Machos de máquina Extra largo Entrada en hélice
- M Machine Tap, Extra Long Spiral Point

## E606



M	P mm	$l_1$ mm	$l_2$ mm	$d_2$ Ø mm	$a$ mm	$l_3$ mm	z		$l_4$ mm	E606
3	0.50	66	9	3.15	2.50	5	3	2.5	18	E606M3
4	0.70	73	12	3.15	2.50	5	3	3.3	-	E606M4
5	0.80	79	12	4.00	3.15	6	3	4.2	-	E606M5
6	1.00	89	14	4.50	3.55	6	3	5	-	E606M6
8	1.25	97	17	6.30	5.00	8	3	6.8	-	E606M8
10	1.50	108	19	8.00	6.30	9	3	8.5	-	E606M10
12	1.75	119	23	9.00	7.10	10	3	10.3	-	E606M12
14	2.00	127	25	11.20	9.00	12	3	12	-	E606M14
16	2.00	137	25	12.50	10.00	13	3	14	-	E606M16
20	2.50	149	30	14.00	11.20	14	4	17.5	-	E606M20
24	3.00	172	36	18.00	14.00	18	4	21	-	E606M24



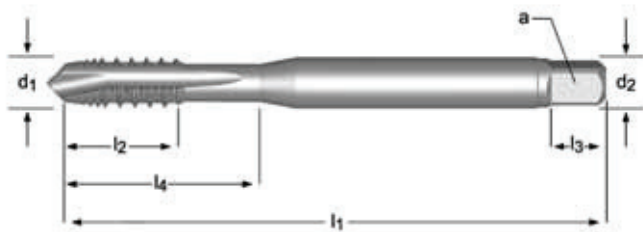
**E216** • M 跳牙机用丝锥 螺尖

**E266** • M Macho Máquina, Rosca Interrompida Ponta Helicoidal

**E422** • M Machos de máquina, dientes alternos Entrada en hélice

**E423** • M Machine Tap, Interrupted Threads Spiral Point

E216; E266; E422; E423	▪	1.2	1.3	1.4												
	•	1.1	1.5	3.1	3.2	3.3	3.4	4.1	4.3	5.1	5.2	6.1	6.2	6.3	7.1	7.2
		7.3	7.4	8.1												

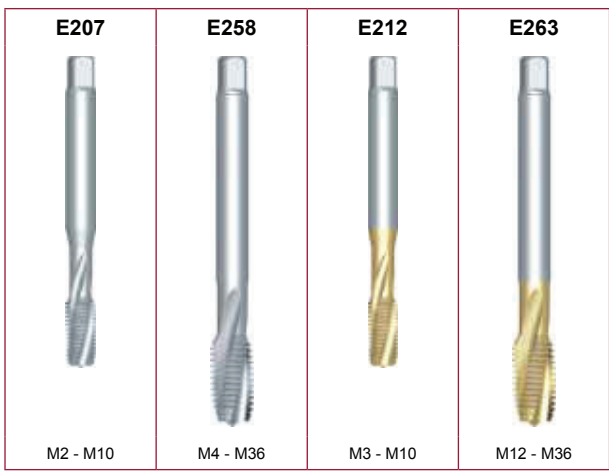
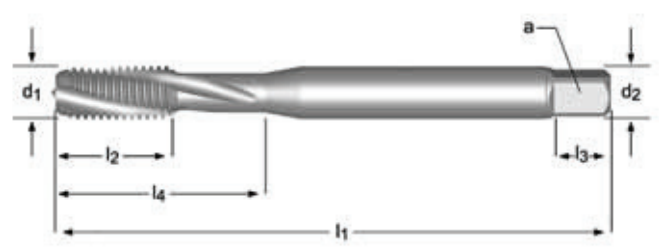


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	l <sub>4</sub> mm	E216	E266	E422	E423
3	0.50	56	9	3.5	2.7	6	3	2.5	E216M3		E422M3	
4	0.70	63	12	4.5	3.4	6	3	3.3	E216M4		E422M4	
5	0.80	70	13	6.0	4.9	8	3	4.2	E216M5		E422M5	
6	1.00	80	15	6.0	4.9	8	3	5.0	E216M6		E422M6	
8	1.25	90	18	8.0	6.2	9	3	6.8	E216M8		E422M8	
10	1.50	100	20	10.0	8.0	11	3	8.5	E216M10		E422M10	
12	1.75	110	23	9.0	7.0	10	3	10.3		E266M12		E423M12
14	2.00	110	25	11.0	9.0	12	3	12.0		E266M14		E423M14
16	2.00	110	25	12.0	9.0	12	3	14.0		E266M16		E423M16
18	2.50	125	30	14.0	11.0	14	3	15.5		E266M18		E423M18
20	2.50	140	30	16.0	12.0	15	3	17.5		E266M20		E423M20
22	2.50	140	34	18.0	14.5	17	4	19.5		E266M22		E423M22
24	3.00	160	38	18.0	14.5	17	4	21.0		E266M24		E423M24



- E207** • M 机用丝锥 螺旋槽 15°
- E258** • M Macho Máquina Canal Helicoidal 15°
- E212** • M Machos de máquina Estrías helicoidales a 15°
- E263** • M Machine Tap Spiral Flute 15°

<b>E207; E258</b>	▪	1.3	1.4				
	•	1.2	1.5	7.2	7.3		
<b>E212; E263</b>	▪	1.3	1.4				
	•	1.1	1.2	1.5	4.2	4.3	7.2



M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z	l <sub>4</sub> mm	E207	E258	E212	E263
2	0.40	45	4	2.8	2.1	5	3	1.6	9	E207M2		
2.5	0.45	50	4	2.8	2.1	5	3	2.05	12.5	E207M2.5		
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E207M3		E212M3
3.5	0.60	56	11	4.0	3.0	6	3	2.9	20	E207M3.5		
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E207M4		E212M4
4	0.70	63	12	2.8	2.1	5	3	3.3	-		E258M4	
5	0.80	70	13	3.5	2.7	6	3	4.2	-		E258M5	
5	0.80	70	13	6.0	4.9	8	3	4.2	25	E207M5		E212M5
6	1.00	80	15	4.5	3.4	6	3	5.0	-		E258M6	
6	1.00	80	15	6.0	4.9	8	3	5	30	E207M6		E212M6
7	1.00	80	15	7.0	5.5	8	3	6	30	E207M7		
8	1.25	90	18	6.0	4.9	8	3	6.8	-		E258M8	
8	1.25	90	18	8.0	6.2	9	3	6.8	35	E207M8		E212M8
10	1.50	100	20	10.0	8.0	11	3	8.5	39	E207M10		E212M10
10	1.50	100	20	7.0	5.5	8	3	8.5	-		E258M10	
12	1.75	110	23	9.0	7.0	10	3	10.3	-		E258M12	E263M12

M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z	 mm	l <sub>4</sub> mm	E207	E258	E212	E263
14	2.00	110	25	11.0	9.0	12	3	12.0	-		E258M14		E263M14
16	2.00	110	25	12.0	9.0	12	3	14.0	-		E258M16		E263M16
18	2.50	125	30	14.0	11.0	14	3	15.5	-		E258M18		E263M18
20	2.50	140	30	16.0	12.0	15	3	17.5	-		E258M20		E263M20
22	2.50	140	34	18.0	14.5	17	4	19.5	-		E258M22		E263M22
24	3.00	160	38	18.0	14.5	17	4	21.0	-		E258M24		E263M24
27	3.00	160	38	20.0	16.0	19	4	24.0	-		E258M27		E263M27
30	3.50	180	45	22.0	18.0	21	4	26.5	-		E258M30		E263M30
33	3.50	180	50	25.0	20.0	23	4	29.5	-		E258M33		E263M33
36	4.00	200	55	28.0	22.0	25	4	32.0	-		E258M36		E263M36

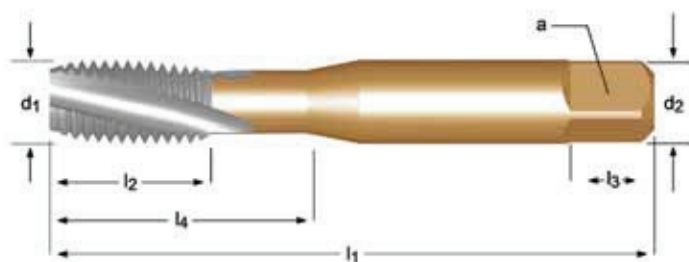
E052



- M 机用丝锥 螺旋槽 15°
- M Macho Máquina Canal Helicoidal 15°
- M Machos de máquina Estrías helicoidales a 15°
- M Machine Tap Spiral Flute 15°

**E052**

E052	■	1.4	1.5	6.2	6.3	7.2	7.3	7.4
	•	1.1	1.2	1.3	6.1	7.1		



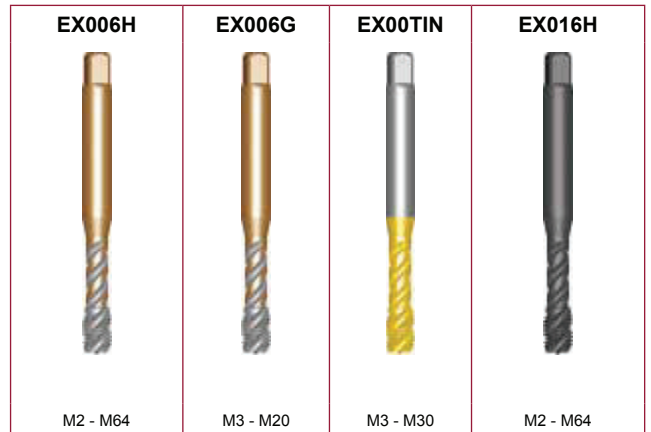
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E052
3	0.50	48	12.5	3.15	2.50	5	3	2.5	12.5	E052M3
4	0.70	53	14	4.00	3.15	6	3	3.3	14	E052M4
5	0.80	58	11	5.00	4.00	7	3	4.2	22	E052M5
6	1.00	66	13	6.30	5.00	8	3	5	26	E052M6
8	1.25	72	16	8.00	6.30	9	3	6.8	29	E052M8
10	1.50	80	18	10.00	8.00	11	3	8.5	34	E052M10
12	1.75	89	22	9.00	7.10	10	3	10.3	-	E052M12
16	2.00	102	24	12.50	10.00	13	4	14	-	E052M16




<b>EX006H</b>	M	DIN 371≤10 376>12	6H		2.5XD	HSS-E	C 2-3	 λ45°			L114 307
<b>EX006G</b>	M	DIN 371≤10 376>12	6G		2.5XD	HSS-E	C 2-3	 λ45°			
<b>EX00TIN</b>	M	DIN 371≤10 376>12	6H		2.5XD	HSS-E	C 2-3	 λ45°		TIN	
<b>EX016H</b>	M	DIN 371≤10 376>12	6H		2.5XD	HSS-E	C 2-3	 λ45°		ST	

- EX006H** • M 机用丝锥 螺旋槽 45°
- EX006G** • M Macho Máquina Canal Helicoidal 45°
- EX00TIN** • M Machos de máquina Estrías helicoidales a 45°
- EX016H** • M Machine Tap Spiral Flute 45°

<b>EX006H; EX006G</b>	▪	1.1	1.2	1.3	1.4	1.5	7.1	7.2	7.3	7.4
	•	4.1	4.2	5.1	5.2					
<b>EX00TIN</b>	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2	7.3	7.4
	•	2.3	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2
<b>EX016H</b>	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2		
	•	2.3								



M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	EX006H	EX006G	EX00TIN	EX016H
2	0.40	45	4	2.8	2.1	5	3	1.6	9	EX00M2			EX01M2
2.5	0.45	50	4	2.8	2.1	5	3	2.05	12.5	EX00M2.5			EX01M2.5
3	0.50	56	6	3.5	2.7	6	3	2.5	18	EX00M3	EX00M36G	EX00TINM3	EX01M3
3.5	0.60	56	7	4.0	3.0	6	3	2.9	20	EX00M3.5			EX01M3.5
4	0.70	63	7	4.5	3.4	6	3	3.3	21	EX00M4	EX00M46G	EX00TINM4	EX01M4
5	0.80	70	8	6.0	4.9	8	3	4.2	25	EX00M5	EX00M56G	EX00TINM5	EX01M5
6	1.00	80	10	4.5	3.4	6	3	5	31	EX00M6DIN376			EX01M6DIN376
6	1.00	80	10	6.0	4.9	8	3	5	31	EX00M6	EX00M66G	EX00TINM6	EX01M6
7	1.00	80	10	7.0	5.5	8	3	6	31	EX00M7			EX01M7
8	1.25	90	12	8.0	6.2	9	3	6.8	35	EX00M8	EX00M86G	EX00TINM8	EX01M8
8	1.25	90	13	6.0	4.9	8	3	6.8	35	EX00M8DIN376			EX01M8DIN376
10	1.50	100	15	10.0	8.0	11	3	8.5	39	EX00M10	EX00M106G	EX00TINM10	EX01M10
10	1.50	100	15	7.0	5.5	8	3	8.5	39	EX00M10DIN376			EX01M10DIN376
12	1.75	110	16	9.0	7.0	10	3	10.3	-	EX00M12	EX00M126G	EX00TINM12	EX01M12

M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	EX006H	EX006G	EX00TIN	EX016H
14	2.00	110	20	11.0	9.0	12	3	12	-	EX00M14	EX00M146G	EX00TINM14	EX01M14
16	2.00	110	20	12.0	9.0	12	4	14	-	EX00M16	EX00M166G	EX00TINM16	EX01M16
18	2.50	125	25	14.0	11.0	14	4	15.5	-	EX00M18		EX00TINM18	EX01M18
20	2.50	140	25	16.0	12.0	15	4	17.5	-	EX00M20	EX00M206G	EX00TINM20	EX01M20
22	2.50	140	25	18.0	14.5	17	4	19.5	-	EX00M22		EX00TINM22	EX01M22
24	3.00	160	30	18.0	14.5	17	4	21	-	EX00M24		EX00TINM24	EX01M24
27	3.00	160	30	20.0	16.0	19	4	24	-	EX00M27		EX00TINM27	EX01M27
30	3.50	180	36	22.0	18.0	21	4	26.5	-	EX00M30		EX00TINM30	EX01M30
33	3.50	180	36	25.0	20.0	23	4	29.5	-	EX00M33			EX01M33
36	4.00	200	40	28.0	22.0	25	4	32	-	EX00M36			EX01M36
39	4.00	200	40	32.0	24.0	27	4	35	-	EX00M39			EX01M39
42	4.50	200	45	32.0	24.0	27	4	37.5	-	EX00M42			EX01M42
48	5.00	250	50	36.0	29.0	32	4	43	-	EX00M48			EX01M48
52	5.00	250	50	40.0	32.0	35	5	47	-	EX00M52			EX01M52
56	5.50	250	55	40.0	32.0	35	5	50.5	-	EX00M56			EX01M56
64	6.00	315	60	50.0	39.0	42	6	58	-	EX00M64			EX01M64

E298



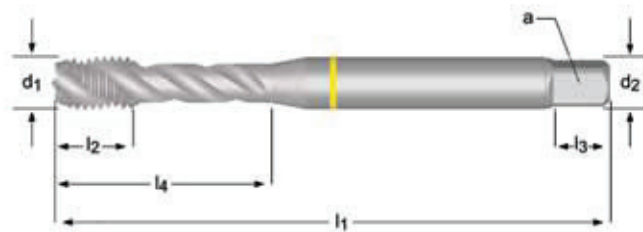
## E298

- M 机用螺旋槽40°丝锥，黄圈鲨鱼丝锥
- M Macho Máquina Canal Helicoidal 40°, Shark - Anel Amarelo
- M Macho de máquina helicoidal 40° Shark (Anillo Amarillo)
- M Machine Tap Spiral Flute 40°, Yellow Shark

提供HSS-E，直到新的可用库存

Fornecido em HSS-E até disponibilidade do novo estoque  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Supplied in HSS-E until new stock available

E298	■	1.1	1.2	1.3	6.1	6.3
	•	1.4	1.5	6.2		

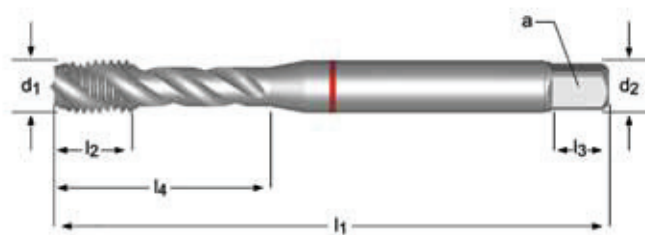


M	P mm	$l_1$ mm	$l_2$ mm	$d_2$ Ø mm	□ a mm	$l_3$ mm	z		$l_4$ mm	E298
3	0.50	56	6	3.5	2.7	6	3	2.5	18	E298M3
4	0.70	63	7	4.5	3.4	6	3	3.3	21	E298M4
5	0.80	70	8	6.0	4.9	8	3	4.2	25	E298M5
6	1.00	80	10	6.0	4.9	8	3	5.0	30	E298M6
8	1.25	90	13	8.0	6.2	9	3	6.8	35	E298M8
10	1.50	100	15	10.0	8.0	11	3	8.5	39	E298M10
12	1.75	110	18	9.0	7.0	10	3	10.3	-	E298M12
14	2.00	110	20	11.0	9.0	12	3	12.0	-	E298M14
16	2.00	110	20	12.0	9.0	12	4	14.0	-	E298M16
18	2.50	125	25	14.0	11.0	14	4	15.5	-	E298M18
20	2.50	140	25	16.0	12.0	15	4	17.5	-	E298M20
22	2.50	140	25	18.0	14.5	17	4	19.5	-	E298M22
24	3.00	160	30	18.0	14.5	17	4	21.0	-	E298M24
27	3.00	160	30	20.0	16.0	19	4	24.0	-	E298M27
30	3.50	160	36	22.0	18.0	21	4	26.5	-	E298M30



- E260**
- M 机用螺旋槽45°丝锥，带倒锥的紅圈鲨鱼丝锥
  - M Macho Máquina Canal Helicoidal 45° Shark - Anel Vermelho, Redução na saída
- E261**
- M Macho de máquina helicoidal 45° Shark con chaflán de salida (Anillo Rojo)
  - M Machine Tap Spiral Flute 45°, Back Tapered, Red Shark

E260	▪	1.4			
	•	1.5	1.6	4.2	5.2
E261	▪	1.4	1.5		
	•	1.6	4.2	5.2	



M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E260	E261
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E260M3	E261M3
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E260M4	E261M4
5	0.80	70	13	6.0	4.9	8	3	4.2	25	E260M5	E261M5
6	1.00	80	15	6.0	4.9	8	3	5.0	30	E260M6	E261M6
8	1.25	90	18	8.0	6.2	9	3	6.8	35	E260M8	E261M8
10	1.50	100	20	10.0	8.0	11	3	8.5	39	E260M10	E261M10
12	1.75	110	23	9.0	7.0	10	3	10.3	-	E260M12	E261M12
14	2.00	110	25	11.0	9.0	12	3	12.0	-	E260M14	-
16	2.00	110	25	12.0	9.0	12	4	14.0	-	E260M16	E261M16
20	2.50	140	30	16.0	12.0	15	4	17.5	-	E260M20	E261M20



- E238**
- M 机用螺旋槽40°丝锥，带倒锥的蓝圈鲨鱼丝锥
  - M Macho Máquina Canal Helicoidal 40° Shark - Anel Azul, Redução na Saída
- E239**
- M Macho de máquina helicoidal 40° Shark con chaflán de salida (Anillo Azul)
  - M Machine Tap Spiral Flute 40°, Back Tapered, Blue Shark

E238	▪	2.1	2.2	2.3
	•	1.5	1.6	
E239	▪	2.1	2.2	2.3
	•	1.3	1.4	1.5

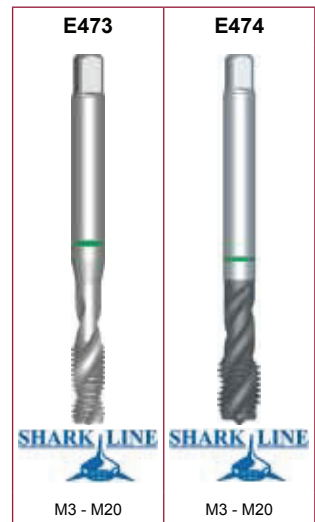
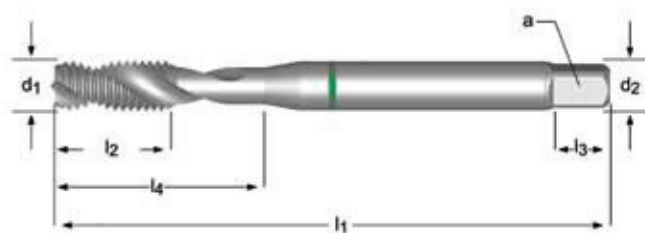


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z	λ	l <sub>4</sub> mm	E238	E239
3	0.50	56	6	3.5	2.7	6	3	2.5	18	E238M3	E239M3
4	0.70	63	7	4.5	3.4	6	3	3.3	21	E238M4	E239M4
5	0.80	70	8	6.0	4.9	8	3	4.2	25	E238M5	E239M5
6	1.00	80	10	6.0	4.9	8	3	5.0	30	E238M6	E239M6
8	1.25	90	13	8.0	6.2	9	3	6.8	33	E238M8	E239M8
10	1.50	100	15	10.0	8.0	11	3	8.5	39	E238M10	E239M10
12	1.75	110	18	9.0	7.0	10	4	10.3	-	E238M12	E239M12
14	2.00	110	20	11.0	9.0	12	4	12.0	-	E238M14	E239M14
16	2.00	110	20	12.0	9.0	12	4	14.0	-	E238M16	E239M16
18	2.50	125	25	14.0	11.0	14	4	15.5	-	E238M18	
20	2.50	140	25	16.0	12.0	15	4	17.5	-	E238M20	E239M20
22	2.50	140	25	18.0	14.5	17	4	19.8	-	E238M22	
24	3.00	160	30	18.0	14.5	17	4	21.0	-	E238M24	
27	3.00	160	30	20.0	16.0	19	4	24.0	-	E238M27	
30	3.50	180	36	22.0	18.0	21	4	26.5	-	E238M30	



- E473**
- M机用螺旋槽35°丝锥，绿圈鲨鱼丝锥
  - M Macho Máquina Canal Helicoidal 35°, Shark - Anel Verde
- E474**
- M Macho de máquina helicoidal 35° Shark (Anillo Verde)
  - M Machine Tap Spiral Flute 35°, Green Shark

<b>E473</b>	▪	6.2	6.3	7.1	7.2	7.3	8.1
	•	1.1	1.2	1.3	6.1	7.4	
<b>E474</b>	▪	4.1	5.1	6.2	7.2	7.3	7.4
	•	1.2	1.3	6.3	7.1	8.1	



M	P mm	$l_1$ mm	$l_2$ mm	$d_2$ $\varnothing$ mm	$a$ mm	$l_3$ mm	z	$\lambda$	$l_4$ mm	E473	E474
3	0.50	56	9	3.5	2.7	6	2	2.5	18	E473M3	E474M3
4	0.70	63	12	4.5	3.4	6	2	3.3	21	E473M4	E474M4
5	0.80	70	13	6.0	4.9	8	2	4.2	25	E473M5	E474M5
6	1.00	80	15	6.0	4.9	8	2	5.0	30	E473M6	E474M6
8	1.25	90	18	8.0	6.2	9	2	6.8	35	E473M8	E474M8
10	1.50	100	20	10.0	8.0	11	2	8.5	39	E473M10	E474M10
12	1.75	110	23	9.0	7.0	10	3	10.3	-	E473M12	E474M12
16	2.00	110	25	12.0	9.0	12	3	14.0	-	E473M16	E474M16
20	2.50	140	30	16.0	12.0	15	3	17.5	-	E473M20	E474M20

<b>E002</b>	M	ISO 529	6H		2.5XD	HSS-E	C 2-3			
<b>E002TIN</b>	M	ISO 529	6H		2.5XD	HSS-E	C 2-3			TIN
<b>E003</b>	M	ISO 529	6H		2.5XD	HSS-E	C 2-3			ST L113 306

## E002

- M 机用丝锥 螺旋槽 45°

## E002TIN

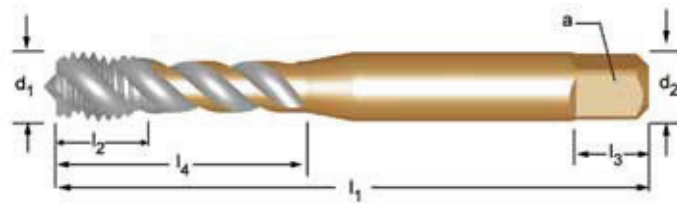
- M Macho Máquina Canal Helicoidal 45°

## E003

- M Machos de máquina Estrías helicoidales a 45°

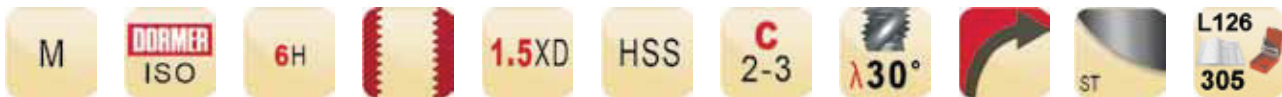
- M Machine Tap Spiral Flute 45°

<b>E002</b>	■	1.1	1.2	1.3	1.4	1.5	7.1	7.2	7.3	7.4
	•	4.1	4.2	5.1	5.2					
<b>E002TIN</b>	■	1.1	1.2	1.3	1.4	1.5	2.1	2.2	7.3	7.4
	•	2.3	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2
<b>E003</b>	■	1.1	1.2	1.3	1.4	1.5				
	•	2.1	2.2	2.3						



M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E002	E002TIN	E003
2	0.40	41	8	2.50	2.00	4	2	1.6	8	E002M2		E003M2
2.5	0.45	44.5	9.5	2.80	2.24	5	2	2.05	9.5	E002M2.5		E003M2.5
3	0.50	48	6	3.15	2.50	5	3	2.5	12.5	E002M3	E002TINM3	E003M3
3.5	0.60	50	16	3.55	2.80	5	3	2.9	16	E002M3.5		E003M3.5
4	0.70	53	7	4.00	3.15	6	3	3.3	19	E002M4	E002TINM4	E003M4
5	0.80	58	8	5.00	4.00	7	3	4.2	22	E002M5	E002TINM5	E003M5
6	1.00	66	10	6.30	5.00	8	3	5.0	27	E002M6	E002TINM6	E003M6
7	1.00	66	13	7.10	5.60	8	3	6	26	E002M7		E003M7
8	1.25	72	12	8.00	6.30	9	3	6.8	31	E002M8	E002TINM8	E003M8
10	1.50	80	15	10.00	8.00	11	3	8.5	35	E002M10	E002TINM10	E003M10
12	1.75	89	16	9.00	7.10	10	3	10.3	-	E002M12	E002TINM12	E003M12
14	2.00	95	18	11.20	9.00	12	3	12.0	-	E002M14		E003M14
16	2.00	102	18	12.50	10.00	13	4	14.0	-	E002M16	E002TINM16	E003M16
18	2.50	112	29	14.00	11.20	14	4	15.5	-	E002M18		E003M18
20	2.50	112	29	14.00	11.20	14	4	17.5	-	E002M20	E002TINM20	E003M20
22	2.50	118	29	16.00	12.50	16	4	19.5	-	E002M22		E003M22
24	3.00	130	35	18.00	14.00	18	4	21.0	-	E002M24		E003M24

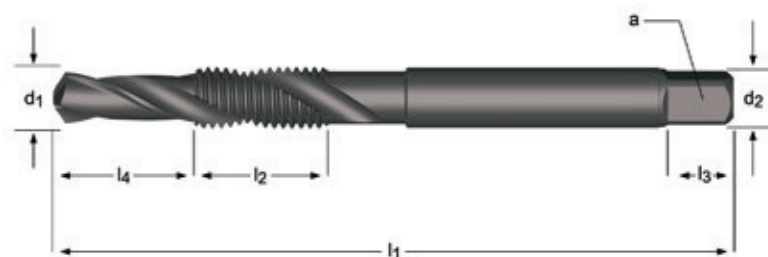
E650



- M 钻攻复合刀具 螺旋槽 30°
- M Broca-Macho Canal Helicoidal 30°
- M Combinación broca-macho Estrías helicoidales a 30°
- M Combi Taps Spiral Flute 30°

## E650

E650 • 1.1 1.2 1.3 1.4 3.2 6.2 6.3 7.1 7.2 8.1



M	P mm	d <sub>1</sub> Ø mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z	E650
3	0.50	2.5	56	10	6	3.15	2.5	5.0	2	E650M3
4	0.70	3.3	65	12	8	4.0	3.15	6.0	2	E650M4
5	0.80	4.2	69	15	10	5.0	4.00	7.0	2	E650M5
6	1.00	5.0	84	18	12	6.3	5.00	8.0	2	E650M6
8	1.25	6.8	96	21	16	8.0	6.30	9.0	2	E650M8
10	1.50	8.5	108	22	20	10.0	8.00	11.0	2	E650M10
12	1.75	10.2	113	29	24	9.0	7.10	10.0	2	E650M12
14	2.00	12.0	123	30	28	11.2	9.00	12.0	2	E650M14
16	2.00	14.0	134	32	32	12.5	10.00	13.0	2	E650M16



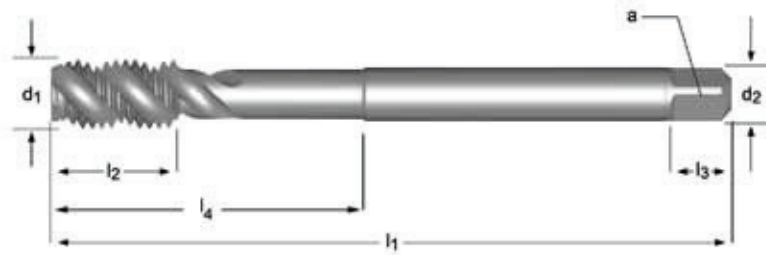
E605



- M 机用丝锥, 超长, 螺旋槽 40°
- M Macho Máquina Extra Longo Canal Helicoidal 40°
- M Machos de máquina Extra largo Estrías helicoidales a 40°
- M Machine Tap, Extra Long Spiral Flute 40°

## E605

E605 • 1.2 1.3 1.4 1.5 2.1 2.2 2.3 5.2 7.1 7.2 7.3 7.4

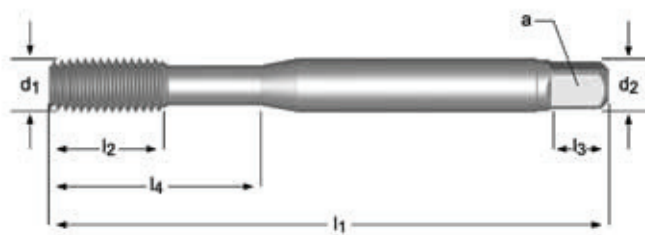


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E605
3	0.50	66	9	3.15	2.50	5	2	2.5	21	E605M3
4	0.70	73	9	4.00	3.15	6	2	3.3	22	E605M4
5	0.80	79	12	5.00	4.00	7	3	4.2	26	E605M5
6	1.00	89	12	6.30	5.00	8	3	5	29	E605M6
8	1.25	97	12	6.30	5.00	8	3	6.8	-	E605M8
10	1.50	108	14	8.00	6.30	9	3	8.5	-	E605M10
12	1.75	119	23	9.00	7.10	10	3	10.3	-	E605M12
14	2.00	127	25	11.20	9.00	12	3	12	-	E605M14
16	2.00	137	25	12.50	10.00	13	3	14	-	E605M16
20	2.50	149	30	14.00	11.20	14	3	17.5	-	E605M20

E291	M	DIN 2174	6HX		3XD	HSS-E	C	2-3.5			
E292	M	DIN 2174	6HX		3XD	HSS-E	C	2-3.5			TiN
E293	M	DIN 2174	6HX		3XD	HSS-E	E	1.5-2			TiN
E294	M	DIN 2174	6HX		3.5XD	HSS-E	C	2-3.5			TiN

- E291** • M 机用挤压丝锥
- E292** • M Macho Máquina de Laminação
- E293** • M Machos de laminación
- E294** • M Machine Forming Tap
- M机用挤压丝锥，油槽
  - M Macho Máquina de Laminação com ranhuras para Lubrificação
  - M Machos de laminación, con ranuras de lubricación
  - M Machine Forming Tap, Oil Grooves

E291	▪	1.1	1.2	1.3	1.4	7.1	7.2	7.3				
E292; E293; E294	▪	1.1	1.2	1.3	1.4	2.1	2.2	4.1	5.1	7.1	7.2	7.3
	▪	1.5	2.3	5.2	6.1	6.3	7.4					



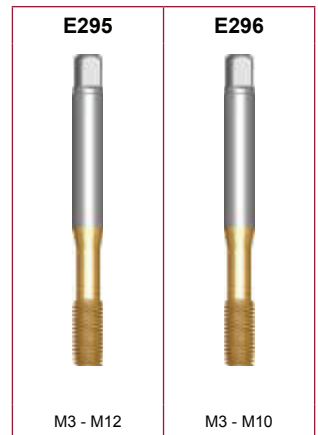
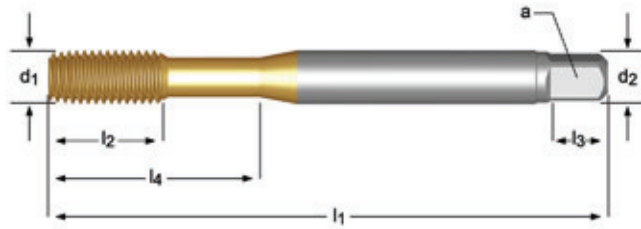
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E291	E292	E293	E294
1.6	0.35	40	8	2.5	2.1	5	3	1.4	-	E291M1.6	E292M1.6		
2	0.40	45	6	2.8	2.1	5	3	1.8	-	E291M2	E292M2		
2.5	0.45	50	8	2.8	2.1	5	3	2.3	-	E291M2.5	E292M2.5		
3	0.50	56	9	3.5	2.7	6	4	2.8	18	E291M3	E292M3	E293M3	E294M3
3.5	0.60	56	11	4.0	3.0	6	4	3.2	20	E291M3.5	E292M3.5		
4	0.70	63	12	4.5	3.4	6	5	3.7	21	E291M4	E292M4	E293M4	E294M4
5	0.80	70	13	6.0	4.9	8	5	4.6	25	E291M5	E292M5	E293M5	E294M5
6	1.00	80	15	6.0	4.9	8	5	5.5	30	E291M6	E292M6	E293M6	E294M6
8	1.25	90	18	8.0	6.2	9	5	7.4	35	E291M8	E292M8	E293M8	E294M8
10	1.50	100	20	10.0	8.0	11	5	9.3	39	E291M10	E292M10	E293M10	E294M10
12	1.75	110	23	9.0	7.0	10	5	11.2	-	E291M12	E292M12		E294M12
14	2.00	110	25	11.0	9.0	12	6	13.0	-				E294M14
16	2.00	110	25	12.0	9.0	12	8	15.0	-	E291M16	E292M16		E294M16



- E295**
- M 机用挤压丝锥
  - M Macho Máquina de Laminação
- E296**
- M Machos de laminación
  - M Machine Forming Tap

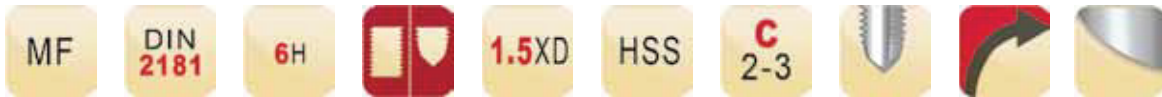
E295; E296

▪	1.1	1.2	1.3	1.4	2.1	2.2	4.1	5.1	7.1	7.2	7.3
•	1.5	2.3	5.2	6.1	6.3	7.4					



M	P mm	$l_1$ mm	$l_2$ mm	$d_2$ Ø mm	$\square$ a mm	$l_3$ mm	z		$l_4$ mm	E295	E296
3	0.50	56	9	3.5	2.7	6	4	2.8	18	E295M3	E296M3
3.5	0.60	56	11	4.0	3.0	6	4	3.2	20	E295M3.5	
4	0.70	63	12	4.5	3.4	6	5	3.7	21	E295M4	E296M4
5	0.80	70	13	6.0	4.9	8	5	4.6	25	E295M5	E296M5
6	1.00	80	15	6.0	4.9	8	5	5.5	30	E295M6	E296M6
8	1.25	90	18	8.0	6.2	9	5	7.4	35	E295M8	E296M8
10	1.50	100	20	10.0	8.0	11	5	9.3	39	E295M10	E296M10
12	1.75	110	23	9.0	7.0	10	5	11.2	-	E295M12	

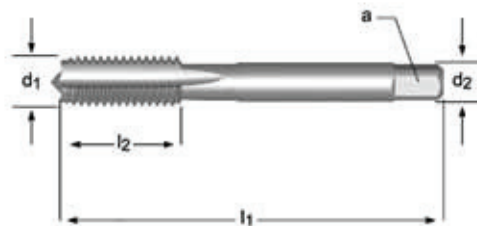
E105



- MF 手用丝锥 直槽
- MF Macho Manual Canal Reto
- MF Machos de mano Estrías rectas
- MF Hand Tap Straight Flute

## E105

E105	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	z		E105
2.5	0.35	40	9	2.8	2.1	3	2.15	E105M2.5X.35NO3
2.5	0.35	40	9	2.8	2.1	3	2.15	E105M2.5X.35NO9
3	0.35	40	9	3.5	2.7	3	2.65	E105M3X.35NO3
3	0.35	40	9	3.5	2.7	3	2.65	E105M3X.35NO9
3.5	0.35	45	10	4.0	3.0	3	3.2	E105M3.5X.35NO3
3.5	0.35	45	10	4.0	3.0	3	3.2	E105M3.5X.35NO9
4	0.50	45	12	4.5	3.4	3	3.5	E105M4X.5NO3
4	0.50	45	12	4.5	3.4	3	3.5	E105M4X.5NO9
5	0.50	50	14	6.0	4.9	3	4.5	E105M5X.5NO3
5	0.50	50	14	6.0	4.9	3	4.5	E105M5X.5NO9
5.5	0.50	56	16	6.0	4.9	3	5	E105M5.5X.5NO9
6	0.75	56	16	6.0	4.9	3	5.3	E105M6X.75NO3
6	0.75	56	16	6.0	4.9	3	5.3	E105M6X.75NO9
7	0.75	56	16	6.0	4.9	3	6.3	E105M7X.75NO3
7	0.75	56	16	6.0	4.9	3	6.3	E105M7X.75NO9
8	0.75	56	16	6.0	4.9	3	7.3	E105M8X.75NO3
8	0.75	56	16	6.0	4.9	3	7.3	E105M8X.75NO9
8	1.00	63	19	6.0	4.9	3	7	E105M8X1.0NO3
8	1.00	63	19	6.0	4.9	3	7	E105M8X1.0NO9
9	0.75	63	19	7.0	5.5	3	8.3	E105M9X.75NO3
9	0.75	63	19	7.0	5.5	3	8.3	E105M9X.75NO9
9	1.00	63	19	7.0	5.5	3	8	E105M9X1.0NO3
9	1.00	63	19	7.0	5.5	3	8	E105M9X1.0NO9
10	0.75	63	16	7.0	5.5	3	9.3	E105M10X.75NO3
10	0.75	63	16	7.0	5.5	3	9.3	E105M10X.75NO9
10	1.00	63	16	7.0	5.5	3	9	E105M10X1.0NO3
10	1.00	63	16	7.0	5.5	3	9	E105M10X1.0NO9
10	1.25	70	22	7.0	5.5	3	8.8	E105M10X1.25NO3
10	1.25	70	22	7.0	5.5	3	8.8	E105M10X1.25NO9
11	0.75	63	15	8.0	6.2	3	10.3	E105M11X.75NO3
11	0.75	63	15	8.0	6.2	3	10.3	E105M11X.75NO9
11	1.00	63	15	8.0	6.2	3	10	E105M11X1.0NO3
11	1.00	63	15	8.0	6.2	3	10	E105M11X1.0NO9
12	1.00	70	16	9.0	7.0	3	11	E105M12X1.0NO3
12	1.00	70	16	9.0	7.0	3	11	E105M12X1.0NO9
12	1.25	70	16	9.0	7.0	3	10.8	E105M12X1.25NO3
12	1.25	70	16	9.0	7.0	3	10.8	E105M12X1.25NO9
12	1.50	70	16	9.0	7.0	3	10.5	E105M12X1.5NO3

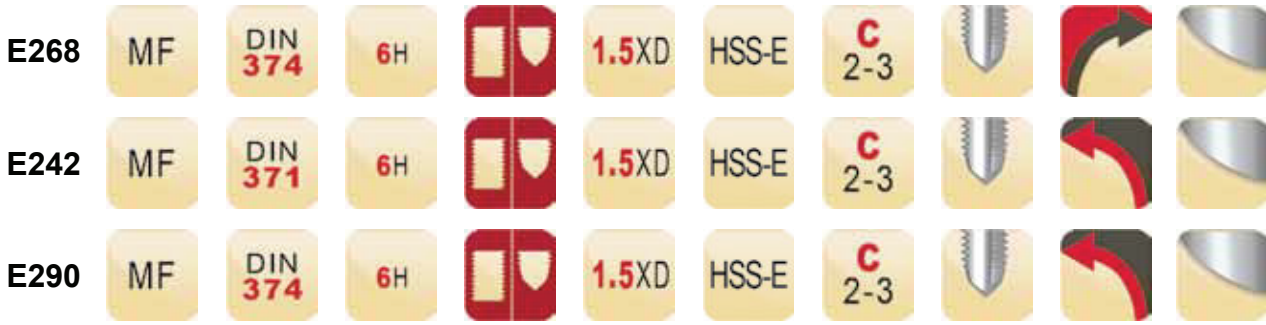
NO1  
NO9  
198

MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	z		E105
12	1.50	70	16	9.0	7.0	3	10.5	E105M12X1.5NO9
14	1.00	70	16	11.0	9.0	4	13	E105M14X1.0NO3
14	1.00	70	16	11.0	9.0	4	13	E105M14X1.0NO9
14	1.25	70	16	11.0	9.0	4	12.8	E105M14X1.25NO3
14	1.25	70	16	11.0	9.0	4	12.8	E105M14X1.25NO9
14	1.50	70	16	11.0	9.0	4	12.5	E105M14X1.5NO3
14	1.50	70	16	11.0	9.0	4	12.5	E105M14X1.5NO9
15	1.00	70	16	12.0	9.0	4	14	E105M15X1.0NO3
15	1.00	70	16	12.0	9.0	4	14	E105M15X1.0NO9
15	1.50	70	16	12.0	9.0	4	13.5	E105M15X1.5NO3
15	1.50	70	16	12.0	9.0	4	13.5	E105M15X1.5NO9
16	1.00	70	16	12.0	9.0	4	15	E105M16X1.0NO3
16	1.00	70	16	12.0	9.0	4	15	E105M16X1.0NO9
16	1.50	70	16	12.0	9.0	4	14.5	E105M16X1.5NO3
16	1.50	70	16	12.0	9.0	4	14.5	E105M16X1.5NO9
18	1.00	80	18	14.0	11.0	4	17	E105M18X1.0NO3
18	1.00	80	18	14.0	11.0	4	17	E105M18X1.0NO9
18	1.50	80	18	14.0	11.0	4	16.5	E105M18X1.5NO3
18	1.50	80	18	14.0	11.0	4	16.5	E105M18X1.5NO9
20	1.00	80	18	16.0	12.0	4	19	E105M20X1.0NO3
20	1.00	80	18	16.0	12.0	4	19	E105M20X1.0NO9
20	1.50	80	18	16.0	12.0	4	18.5	E105M20X1.5NO3
20	1.50	80	18	16.0	12.0	4	18.5	E105M20X1.5NO9
22	1.00	80	22	18.0	14.5	4	21	E105M22X1.0NO3
22	1.00	80	22	18.0	14.5	4	21	E105M22X1.0NO9
22	1.50	80	22	18.0	14.5	4	20.5	E105M22X1.5NO3
22	1.50	80	22	18.0	14.5	4	20.5	E105M22X1.5NO9
24	1.00	90	22	18.0	14.5	4	23	E105M24X1.0NO3
24	1.00	90	22	18.0	14.5	4	23	E105M24X1.0NO9
24	1.50	90	22	18.0	14.5	4	22.5	E105M24X1.5NO3
24	1.50	90	22	18.0	14.5	4	22.5	E105M24X1.5NO9
24	2.00	90	22	18.0	14.5	4	22	E105M24X2.0NO3
24	2.00	90	22	18.0	14.5	4	22	E105M24X2.0NO9
25	1.50	90	22	18.0	14.5	4	23.5	E105M25X1.5NO3
25	1.50	90	22	18.0	14.5	4	23.5	E105M25X1.5NO9
25	2.00	90	22	18.0	14.5	4	23	E105M25X2.0NO3
25	2.00	90	22	18.0	14.5	4	23	E105M25X2.0NO9
27	1.50	90	22	20.0	16.0	4	25.5	E105M27X1.5NO3
27	1.50	90	22	20.0	16.0	4	25.5	E105M27X1.5NO9
27	2.00	90	22	20.0	16.0	4	25	E105M27X2.0NO3
27	2.00	90	22	20.0	16.0	4	25	E105M27X2.0NO9
28	1.50	90	22	20.0	16.0	4	26.5	E105M28X1.5NO3
28	1.50	90	22	20.0	16.0	4	26.5	E105M28X1.5NO9
28	2.00	90	22	20.0	16.0	4	26	E105M28X2.0NO3
28	2.00	90	22	20.0	16.0	4	26	E105M28X2.0NO9
30	1.50	90	22	22.0	18.0	4	28.5	E105M30X1.5NO3
30	1.50	90	22	22.0	18.0	4	28.5	E105M30X1.5NO9
30	2.00	90	22	22.0	18.0	4	28	E105M30X2.0NO3
30	2.00	90	22	22.0	18.0	4	28	E105M30X2.0NO9
32	1.50	90	22	22.0	18.0	4	30.5	E105M32X1.5NO3
32	1.50	90	22	22.0	18.0	4	30.5	E105M32X1.5NO9
32	2.00	90	22	22.0	18.0	4	30	E105M32X2.0NO3
32	2.00	90	22	22.0	18.0	4	30	E105M32X2.0NO9
36	1.50	100	25	28.0	22.0	4	34.5	E105M36X1.5NO3
36	1.50	100	25	28.0	22.0	4	34.5	E105M36X1.5NO9
36	2.00	125	40	28.0	22.0	4	34	E105M36X2.0NO3
36	2.00	125	40	28.0	22.0	4	34	E105M36X2.0NO9
36	3.00	125	40	28.0	22.0	4	33	E105M36X3.0NO3
36	3.00	125	40	28.0	22.0	4	33	E105M36X3.0NO9
40	1.50	110	25	32.0	24.0	4	38.5	E105M40X1.5NO3
40	1.50	110	25	32.0	24.0	4	38.5	E105M40X1.5NO9
40	2.00	125	40	32.0	24.0	4	38	E105M40X2.0NO3
40	2.00	125	40	32.0	24.0	4	38	E105M40X2.0NO9
40	3.00	125	40	32.0	24.0	4	37	E105M40X3.0NO3
40	3.00	125	40	32.0	24.0	4	37	E105M40X3.0NO9
42	1.50	110	25	32.0	24.0	4	40.5	E105M42X1.5NO3
42	1.50	110	25	32.0	24.0	4	40.5	E105M42X1.5NO9
42	2.00	125	40	32.0	24.0	4	40	E105M42X2.0NO3
42	2.00	125	40	32.0	24.0	4	40	E105M42X2.0NO9
42	3.00	125	40	32.0	24.0	4	39	E105M42X3.0NO3



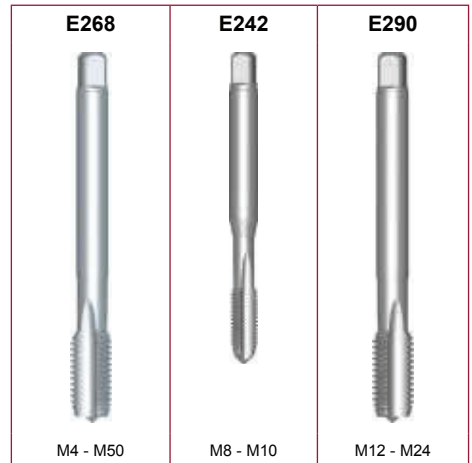
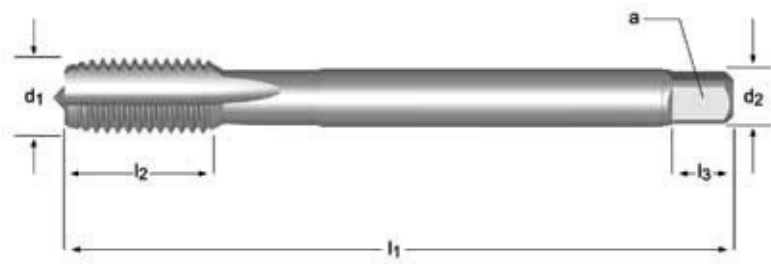
MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	z		E105
42	3.00	125	40	32.0	24.0	4	39	E105M42X3.0NO9
45	1.50	110	25	36.0	29.0	6	43.5	E105M45X1.5NO3
45	1.50	110	25	36.0	29.0	6	43.5	E105M45X1.5NO9
45	2.00	125	40	36.0	29.0	6	43	E105M45X2.0NO3
45	2.00	125	40	36.0	29.0	6	43	E105M45X2.0NO9
45	3.00	125	40	36.0	29.0	6	42	E105M45X3.0NO3
45	3.00	125	40	36.0	29.0	6	42	E105M45X3.0NO9
48	1.50	140	40	36.0	29.0	6	46.5	E105M48X1.5NO3
48	1.50	140	40	36.0	29.0	6	46.5	E105M48X1.5NO9
48	2.00	140	40	36.0	29.0	6	46	E105M48X2.0NO3
48	2.00	140	40	36.0	29.0	6	46	E105M48X2.0NO9
48	3.00	140	40	36.0	29.0	6	45	E105M48X3.0NO3
48	3.00	140	40	36.0	29.0	6	45	E105M48X3.0NO9
50	1.50	140	40	36.0	29.0	6	48.5	E105M50X1.5NO3
50	1.50	140	40	36.0	29.0	6	48.5	E105M50X1.5NO9
50	2.00	140	40	36.0	29.0	6	48	E105M50X2.0NO3
50	2.00	140	40	36.0	29.0	6	48	E105M50X2.0NO9
50	3.00	140	40	36.0	29.0	6	47	E105M50X3.0NO3
50	3.00	140	40	36.0	29.0	6	47	E105M50X3.0NO9





- E268** • MF 机用丝锥 直槽
- E242** • MF Macho Máquina Canal Reto
- E290** • MF Machine Tap Straight Flute

E268; E242; E290 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2



MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔ mm	l <sub>4</sub> mm	E268	E242	E290
4	0.50	63	10	2.8	2.1	5	3	3.5	-	E268M4X.5		
5	0.50	70	13	3.5	2.7	6	3	4.5	-	E268M5X.5		
6	0.75	80	15	4.5	3.4	6	3	5.3	-	E268M6X.75		
7	0.75	80	15	5.5	4.3	7	3	6.3	-	E268M7X.75		
8	0.75	80	15	6.0	4.9	8	3	7.3	-	E268M8X.75		
8	1.00	90	18	6.0	4.9	8	3	7.0	-	E268M8X1.0		
8	1.00	90	18	8.0	6.2	9	3	7.0	35		E242M8X1.0	
9	1.00	90	18	6.0	4.9	8	3	8.0	-	E268M9X1.0		
10	0.75	90	20	7.0	5.5	8	3	9.3	-	E268M10X.75		
10	1.00	100	20	10.0	8.0	11	3	9.0	39		E242M10X1.0	
10	1.00	90	20	7.0	5.5	8	3	9.0	-	E268M10X1.0		
10	1.25	100	20	7.0	5.5	8	3	8.8	-	E268M10X1.25		
11	1.00	90	20	8.0	6.2	9	3	10.0	-	E268M11X1.0		
12	1.00	100	21	9.0	7.0	10	4	11.0	-	E268M12X1.0		E290M12X1.0
12	1.25	100	21	9.0	7.0	10	4	10.8	-	E268M12X1.25		
12	1.50	100	21	9.0	7.0	10	4	10.5	-	E268M12X1.5		E290M12X1.5
14	1.00	100	21	11.0	9.0	12	4	13.0	-	E268M14X1.0		E290M14X1.0
14	1.25	100	21	11.0	9.0	12	4	12.8	-	E268M14X1.25		
14	1.50	100	21	11.0	9.0	12	4	12.5	-	E268M14X1.5		E290M14X1.5
15	1.50	100	21	12.0	9.0	12	4	13.5	-	E268M15X1.5		
16	1.00	100	21	12.0	9.0	12	4	15.0	-	E268M16X1.0		E290M16X1.0
16	1.50	100	21	12.0	9.0	12	4	14.5	-	E268M16X1.5		E290M16X1.5
18	1.00	110	24	14.0	11.0	14	4	17.0	-	E268M18X1.0		
18	1.50	110	24	14.0	11.0	14	4	16.5	-	E268M18X1.5		E290M18X1.5
20	1.00	125	24	16.0	12.0	15	4	19.0	-	E268M20X1.0		
20	1.50	125	24	16.0	12.0	15	4	18.5	-	E268M20X1.5		E290M20X1.5
22	1.00	125	25	18.0	14.5	17	4	21.0	-	E268M22X1.0		
22	1.50	125	25	18.0	14.5	17	4	20.5	-	E268M22X1.5		E290M22X1.5

MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E268	E242	E290
24	1.00	140	28	18.0	14.5	17	4	23.0	-	E268M24X1.0		
24	1.50	140	28	18.0	14.5	17	4	22.5	-	E268M24X1.5		E290M24X1.5
24	2.00	140	28	18.0	14.5	17	4	22.0	-	E268M24X2.0		
25	1.50	140	28	18.0	14.5	17	4	23.5	-	E268M25X1.5		
25	2.00	140	28	18.0	14.5	17	4	23.0	-	E268M25X2.0		
26	1.50	140	28	18.0	14.5	17	4	24.5	-	E268M26X1.5		
26	2.00	140	28	18.0	14.5	17	4	24.0	-	E268M26X2.0		
27	1.50	140	28	20.0	16.0	19	4	25.5	-	E268M27X1.5		
27	2.00	140	28	20.0	16.0	19	4	25.0	-	E268M27X2.0		
28	1.50	140	28	20.0	16.0	19	4	26.5	-	E268M28X1.5		
28	2.00	140	28	20.0	16.0	19	4	26.0	-	E268M28X2.0		
30	1.50	150	28	22.0	18.0	21	4	28.5	-	E268M30X1.5		
30	2.00	150	28	22.0	18.0	21	4	28.0	-	E268M30X2.0		
32	1.50	150	28	22.0	18.0	21	4	30.5	-	E268M32X1.5		
32	2.00	150	28	22.0	18.0	21	4	30.0	-	E268M32X2.0		
33	1.50	160	30	25.0	20.0	23	4	31.5	-	E268M33X1.5		
34	1.50	170	30	28.0	22.0	25	4	32.5	-	E268M34X1.5		
35	1.50	170	30	28.0	22.0	25	4	33.5	-	E268M35X1.5		
36	1.50	170	30	28.0	22.0	25	4	34.5	-	E268M36X1.5		
36	2.00	170	30	28.0	22.0	25	4	34.0	-	E268M36X2.0		
36	3.00	200	55	28.0	22.0	25	4	33.0	-	E268M36X3.0		
40	1.50	170	30	32.0	24.0	27	4	38.5	-	E268M40X1.5		
40	2.00	170	30	32.0	24.0	27	4	38.0	-	E268M40X2.0		
40	3.00	200	60	32.0	24.0	27	4	37.0	-	E268M40X3.0		
42	1.50	170	30	32.0	24.0	27	4	40.5	-	E268M42X1.5		
42	2.00	170	30	32.0	24.0	27	4	40.0	-	E268M42X2.0		
42	3.00	200	60	32.0	24.0	27	4	39.0	-	E268M42X3.0		
45	1.50	180	32	36.0	29.0	32	6	43.5	-	E268M45X1.5		
45	2.00	180	32	36.0	29.0	32	6	43.0	-	E268M45X2.0		
45	3.00	200	42	36.0	29.0	32	6	42.0	-	E268M45X3.0		
48	1.50	190	32	36.0	29.0	32	6	46.5	-	E268M48X1.5		
48	2.00	190	32	36.0	29.0	32	6	46.0	-	E268M48X2.0		
48	3.00	225	50	36.0	29.0	32	6	45.0	-	E268M48X3.0		
50	1.50	190	32	36.0	29.0	32	6	48.5	-	E268M50X1.5		
50	2.00	190	30	36.0	29.0	32	6	48.0	-	E268M50X2.0		
50	3.00	225	50	36.0	29.0	32	6	47.0	-	E268M50X3.0		



E513

MF

ISO  
529

6H



1.5XD

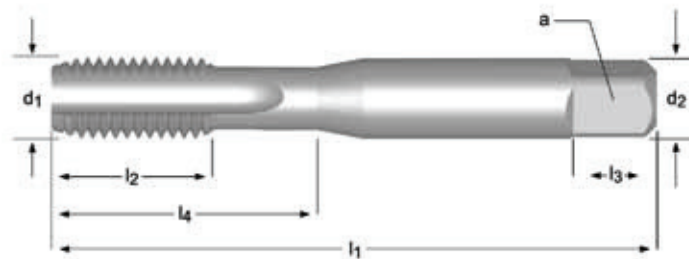
HSS



- MF 机用丝锥 直槽
- MF Macho Máquina Canal Reto
- MF Machos de máquina Estrías rectas
- MF Machine Tap Straight Flute

## E513

E513	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3
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MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E513
3	0.35	48	12.5	3.15	2.50	5	3	2.65	12.5	E513M3X.35NO1
3	0.35	48	12.5	3.15	2.50	5	3	2.65	12.5	E513M3X.35NO2
3	0.35	48	12.5	3.15	2.50	5	3	2.65	12.5	E513M3X.35NO3
3.5	0.35	48	12.5	3.15	2.50	5	3	3.2	12.5	E513M3.5X.35NO3
4	0.50	53	14	4.00	3.15	6	3	3.5	14	E513M4X.5NO1
4	0.50	53	14	4.00	3.15	6	3	3.5	14	E513M4X.5NO2
4	0.50	53	14	4.00	3.15	6	3	3.5	14	E513M4X.5NO3
4	0.50	53	14	4.00	3.15	6	3	3.5	14	E513M4X.5NO7
5	0.50	58	11	5.00	4.00	7	3	4.5	22	E513M5X.5NO1
5	0.50	58	11	5.00	4.00	7	3	4.5	22	E513M5X.5NO2
5	0.50	58	11	5.00	4.00	7	3	4.5	22	E513M5X.5NO3
5	0.50	58	11	5.00	4.00	7	3	4.5	22	E513M5X.5NO7
5	0.75	58	11	5.00	4.00	7	3	4.3	22	E513M5X.75NO1
5	0.75	58	11	5.00	4.00	7	3	4.3	22	E513M5X.75NO2
5	0.75	58	11	5.00	4.00	7	3	4.3	22	E513M5X.75NO3
6	0.50	66	13	6.30	5.00	8	3	5.5	26	E513M6X.5NO1
6	0.50	66	13	6.30	5.00	8	3	5.5	26	E513M6X.5NO2
6	0.50	66	13	6.30	5.00	8	3	5.5	26	E513M6X.5NO3
6	0.75	66	13	6.30	5.00	8	3	5.3	26	E513M6X.75NO1
6	0.75	66	13	6.30	5.00	8	3	5.3	26	E513M6X.75NO2
6	0.75	66	13	6.30	5.00	8	3	5.3	26	E513M6X.75NO3
6	0.75	66	13	6.30	5.00	8	3	5.3	26	E513M6X.75NO7
7	0.75	66	13	7.10	5.60	8	3	6.3	26	E513M7X.75NO1
7	0.75	66	13	7.10	5.60	8	3	6.3	26	E513M7X.75NO2
7	0.75	66	13	7.10	5.60	8	3	6.3	26	E513M7X.75NO3
8	0.50	72	16	8.00	6.30	9	3	7.5	29	E513M8X.5NO1
8	0.50	72	16	8.00	6.30	9	3	7.5	29	E513M8X.5NO2
8	0.50	72	16	8.00	6.30	9	3	7.5	29	E513M8X.5NO3
8	0.75	72	16	8.00	6.30	9	3	7.3	29	E513M8X.75NO1
8	0.75	72	16	8.00	6.30	9	3	7.3	29	E513M8X.75NO2
8	0.75	72	16	8.00	6.30	9	3	7.3	29	E513M8X.75NO3
8	0.75	72	16	8.00	6.30	9	3	7.3	29	E513M8X.75NO7
8	1.00	72	16	8.00	6.30	9	3	7	29	E513M8X1.0NO1
8	1.00	72	16	8.00	6.30	9	3	7	29	E513M8X1.0NO2
8	1.00	72	16	8.00	6.30	9	3	7	29	E513M8X1.0NO3
8	1.00	72	16	8.00	6.30	9	3	7	29	E513M8X1.0NO7
9	0.75	72	16	9.00	7.10	10	3	8.3	29	E513M9X.75NO3
9	1.00	72	16	9.00	7.10	10	3	8	29	E513M9X1.0NO1
9	1.00	72	16	9.00	7.10	10	3	8	29	E513M9X1.0NO2
9	1.00	72	16	9.00	7.10	10	3	8	29	E513M9X1.0NO3

NO1  
NO9  
198

MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E513
10	0.50	80	18	10.00	8.00	11	3	9.5	34	E513M10X.5NO3
10	0.75	80	18	10.00	8.00	11	3	9.3	34	E513M10X.75NO1
10	0.75	80	18	10.00	8.00	11	3	9.3	34	E513M10X.75NO2
10	0.75	80	18	10.00	8.00	11	3	9.3	34	E513M10X.75NO3
10	1.00	80	18	10.00	8.00	11	3	9	34	E513M10X1.0NO1
10	1.00	80	18	10.00	8.00	11	3	9	34	E513M10X1.0NO2
10	1.00	80	18	10.00	8.00	11	3	9	34	E513M10X1.0NO3
10	1.00	80	18	10.00	8.00	11	3	9	34	E513M10X1.0NO6
10	1.00	80	18	10.00	8.00	11	3	9	34	E513M10X1.0NO7
10	1.25	80	18	10.00	8.00	11	3	8.8	34	E513M10X1.25NO1
10	1.25	80	18	10.00	8.00	11	3	8.8	34	E513M10X1.25NO2
10	1.25	80	18	10.00	8.00	11	3	8.8	34	E513M10X1.25NO3
10	1.25	80	18	10.00	8.00	11	3	8.8	34	E513M10X1.25NO6
10	1.25	80	18	10.00	8.00	11	3	8.8	34	E513M10X1.25NO7
11	0.75	85	19	8.00	6.30	9	3	10.3	-	E513M11X.75NO1
11	0.75	85	19	8.00	6.30	9	3	10.3	-	E513M11X.75NO2
11	0.75	85	19	8.00	6.30	9	3	10.3	-	E513M11X.75NO3
11	1.00	85	19	8.00	6.30	9	3	10	-	E513M11X1.0NO1
11	1.00	85	19	8.00	6.30	9	3	10	-	E513M11X1.0NO2
11	1.00	85	19	8.00	6.30	9	3	10	-	E513M11X1.0NO3
11	1.25	85	19	8.00	6.30	9	3	9.8	-	E513M11X1.25NO3
12	0.75	89	22	9.00	7.10	10	3	11.3	-	E513M12X.75NO2
12	1.00	89	22	9.00	7.10	10	3	11	-	E513M12X1.0NO1
12	1.00	89	22	9.00	7.10	10	3	11	-	E513M12X1.0NO2
12	1.00	89	22	9.00	7.10	10	3	11	-	E513M12X1.0NO3
12	1.00	89	22	9.00	7.10	10	3	11	-	E513M12X1.0NO7
12	1.25	89	22	9.00	7.10	10	3	10.8	-	E513M12X1.25NO1
12	1.25	89	22	9.00	7.10	10	3	10.8	-	E513M12X1.25NO2
12	1.25	89	22	9.00	7.10	10	3	10.8	-	E513M12X1.25NO3
12	1.25	89	22	9.00	7.10	10	3	10.8	-	E513M12X1.25NO6
12	1.25	89	22	9.00	7.10	10	3	10.8	-	E513M12X1.25NO7
12	1.50	89	22	9.00	7.10	10	3	10.5	-	E513M12X1.5NO1
12	1.50	89	22	9.00	7.10	10	3	10.5	-	E513M12X1.5NO2
12	1.50	89	22	9.00	7.10	10	3	10.5	-	E513M12X1.5NO3
12	1.50	89	22	9.00	7.10	10	3	10.5	-	E513M12X1.5NO6
12	1.50	89	22	9.00	7.10	10	3	10.5	-	E513M12X1.5NO7
13	1.50	89	22	9.00	7.10	10	3	11.5	-	E513M13X1.5NO3
14	1.00	95	24	11.20	9.00	12	4	13	-	E513M14X1.0NO1
14	1.00	95	24	11.20	9.00	12	4	13	-	E513M14X1.0NO2
14	1.00	95	24	11.20	9.00	12	4	13	-	E513M14X1.0NO3
14	1.00	95	24	11.20	9.00	12	4	13	-	E513M14X1.0NO7
14	1.25	95	24	11.20	9.00	12	4	12.8	-	E513M14X1.25NO1
14	1.25	95	24	11.20	9.00	12	4	12.8	-	E513M14X1.25NO2
14	1.25	95	24	11.20	9.00	12	4	12.8	-	E513M14X1.25NO3
14	1.25	95	24	11.20	9.00	12	4	12.8	-	E513M14X1.25NO6
14	1.50	95	24	11.20	9.00	12	4	12.5	-	E513M14X1.5NO1
14	1.50	95	24	11.20	9.00	12	4	12.5	-	E513M14X1.5NO2
14	1.50	95	24	11.20	9.00	12	4	12.5	-	E513M14X1.5NO3
14	1.50	95	24	11.20	9.00	12	4	12.5	-	E513M14X1.5NO6
14	1.50	95	24	11.20	9.00	12	4	12.5	-	E513M14X1.5NO7
15	1.50	95	24	11.20	9.00	12	4	13.5	-	E513M15X1.5NO2
15	1.50	95	24	11.20	9.00	12	4	13.5	-	E513M15X1.5NO3
16	1.00	102	24	12.50	10.00	13	4	15	-	E513M16X1.0NO1
16	1.00	102	24	12.50	10.00	13	4	15	-	E513M16X1.0NO2
16	1.00	102	24	12.50	10.00	13	4	15	-	E513M16X1.0NO3
16	1.00	102	24	12.50	10.00	13	4	15	-	E513M16X1.0NO7
16	1.25	102	24	12.50	10.00	13	4	14.8	-	E513M16X1.25NO3
16	1.50	102	24	12.50	10.00	13	4	14.5	-	E513M16X1.5NO1
16	1.50	102	24	12.50	10.00	13	4	14.5	-	E513M16X1.5NO2
16	1.50	102	24	12.50	10.00	13	4	14.5	-	E513M16X1.5NO3
16	1.50	102	24	12.50	10.00	13	4	14.5	-	E513M16X1.5NO6
16	1.50	102	24	12.50	10.00	13	4	14.5	-	E513M16X1.5NO7
18	1.00	112	29	14.00	11.20	14	4	17	-	E513M18X1.0NO1
18	1.00	112	29	14.00	11.20	14	4	17	-	E513M18X1.0NO2
18	1.00	112	29	14.00	11.20	14	4	17	-	E513M18X1.0NO3
18	1.00	112	29	14.00	11.20	14	4	17	-	E513M18X1.0NO7
18	1.50	112	29	14.00	11.20	14	4	16.5	-	E513M18X1.5NO1
18	1.50	112	29	14.00	11.20	14	4	16.5	-	E513M18X1.5NO2

NO1  
NO9  
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MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E513
18	1.50	112	29	14.00	11.20	14	4	16.5	-	E513M18X1.5NO3
18	1.50	112	29	14.00	11.20	14	4	16.5	-	E513M18X1.5NO6
18	1.50	112	29	14.00	11.20	14	4	16.5	-	E513M18X1.5NO7
18	2.00	112	29	14.00	11.20	14	4	16	-	E513M18X2.0NO1
18	2.00	112	29	14.00	11.20	14	4	16	-	E513M18X2.0NO2
18	2.00	112	29	14.00	11.20	14	4	16	-	E513M18X2.0NO3
18	2.00	112	29	14.00	11.20	14	4	16	-	E513M18X2.0NO7
20	1.00	112	29	14.00	11.20	14	4	19	-	E513M20X1.0NO1
20	1.00	112	29	14.00	11.20	14	4	19	-	E513M20X1.0NO2
20	1.00	112	29	14.00	11.20	14	4	19	-	E513M20X1.0NO3
20	1.00	112	29	14.00	11.20	14	4	19	-	E513M20X1.0NO7
20	1.50	112	29	14.00	11.20	14	4	18.5	-	E513M20X1.5NO1
20	1.50	112	29	14.00	11.20	14	4	18.5	-	E513M20X1.5NO2
20	1.50	112	29	14.00	11.20	14	4	18.5	-	E513M20X1.5NO3
20	1.50	112	29	14.00	11.20	14	4	18.5	-	E513M20X1.5NO6
20	1.50	112	29	14.00	11.20	14	4	18.5	-	E513M20X1.5NO7
20	2.00	112	29	14.00	11.20	14	4	18	-	E513M20X2.0NO1
20	2.00	112	29	14.00	11.20	14	4	18	-	E513M20X2.0NO2
20	2.00	112	29	14.00	11.20	14	4	18	-	E513M20X2.0NO3
20	2.00	112	29	14.00	11.20	14	4	18	-	E513M20X2.0NO7
22	1.00	118	29	16.00	12.50	16	4	21	-	E513M22X1.0NO2
22	1.00	118	29	16.00	12.50	16	4	21	-	E513M22X1.0NO3
22	1.00	118	29	16.00	12.50	16	4	21	-	E513M22X1.0NO7
22	1.50	118	29	16.00	12.50	16	4	20.5	-	E513M22X1.5NO1
22	1.50	118	29	16.00	12.50	16	4	20.5	-	E513M22X1.5NO2
22	1.50	118	29	16.00	12.50	16	4	20.5	-	E513M22X1.5NO3
22	1.50	118	29	16.00	12.50	16	4	20.5	-	E513M22X1.5NO7
22	2.00	118	29	16.00	12.50	16	4	20	-	E513M22X2.0NO1
22	2.00	118	29	16.00	12.50	16	4	20	-	E513M22X2.0NO2
22	2.00	118	29	16.00	12.50	16	4	20	-	E513M22X2.0NO3
22	2.00	118	29	16.00	12.50	16	4	20	-	E513M22X2.0NO7
24	1.00	130	35	18.00	14.00	18	4	23	-	E513M24X1.0NO2
24	1.00	130	35	18.00	14.00	18	4	23	-	E513M24X1.0NO3
24	1.50	130	35	18.00	14.00	18	4	22.5	-	E513M24X1.5NO1
24	1.50	130	35	18.00	14.00	18	4	22.5	-	E513M24X1.5NO2
24	1.50	130	35	18.00	14.00	18	4	22.5	-	E513M24X1.5NO3
24	1.50	130	35	18.00	14.00	18	4	22.5	-	E513M24X1.5NO7
24	2.00	130	35	18.00	14.00	18	4	22	-	E513M24X2.0NO1
24	2.00	130	35	18.00	14.00	18	4	22	-	E513M24X2.0NO2
24	2.00	130	35	18.00	14.00	18	4	22	-	E513M24X2.0NO3
24	2.00	130	35	18.00	14.00	18	4	22	-	E513M24X2.0NO7
25	1.50	130	35	18.00	14.00	18	4	23.5	-	E513M25X1.5NO1
25	1.50	130	35	18.00	14.00	18	4	23.5	-	E513M25X1.5NO2
25	1.50	130	35	18.00	14.00	18	4	23.5	-	E513M25X1.5NO3
25	1.50	130	35	18.00	14.00	18	4	23.5	-	E513M25X1.5NO6
25	1.50	130	35	18.00	14.00	18	4	23.5	-	E513M25X1.5NO7
26	1.50	130	35	18.00	14.00	18	4	24.5	-	E513M26X1.5NO2
26	1.50	130	35	18.00	14.00	18	4	24.5	-	E513M26X1.5NO3
27	1.50	135	35	20.00	16.00	20	4	25.5	-	E513M27X1.5NO2
27	1.50	135	35	20.00	16.00	20	4	25.5	-	E513M27X1.5NO3
27	2.00	135	35	20.00	16.00	20	4	25	-	E513M27X2.0NO3
28	1.50	138	35	20.00	16.00	20	4	26.5	-	E513M28X1.5NO2
28	1.50	138	35	20.00	16.00	20	4	26.5	-	E513M28X1.5NO3
30	1.50	138	41	20.00	16.00	20	4	28.5	-	E513M30X1.5NO2
30	1.50	138	41	20.00	16.00	20	4	28.5	-	E513M30X1.5NO3
30	2.00	138	41	20.00	16.00	20	4	28	-	E513M30X2.0NO2
30	2.00	138	41	20.00	16.00	20	4	28	-	E513M30X2.0NO3
32	1.50	151	41	22.40	18.00	22	4	30.5	-	E513M32X1.5NO1
32	1.50	151	41	22.40	18.00	22	4	30.5	-	E513M32X1.5NO2
32	1.50	151	41	22.40	18.00	22	4	30.5	-	E513M32X1.5NO3
33	2.00	151	41	22.40	18.00	22	4	31	-	E513M33X2.0NO2
33	2.00	151	41	22.40	18.00	22	4	31	-	E513M33X2.0NO3
35	1.50	162	47	25.00	20.00	24	4	33.5	-	E513M35X1.5NO2
35	1.50	162	47	25.00	20.00	24	4	33.5	-	E513M35X1.5NO3
36	1.50	162	47	25.00	20.00	24	4	34.5	-	E513M36X1.5NO3
36	2.00	162	47	25.00	20.00	24	4	34	-	E513M36X2.0NO2
36	2.00	162	47	25.00	20.00	24	4	34	-	E513M36X2.0NO3
36	3.00	162	47	25.00	20.00	24	4	33	-	E513M36X3.0NO2



MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E513
36	3.00	162	47	25.00	20.00	24	4	33	-	E513M36X3.0NO3
39	3.00	170	47	28.00	22.40	26	4	36	-	E513M39X3.0NO2
39	3.00	170	47	28.00	22.40	26	4	36	-	E513M39X3.0NO3
40	1.50	170	53	28.00	22.40	26	6	38.5	-	E513M40X1.5NO2
40	1.50	170	53	28.00	22.40	26	6	38.5	-	E513M40X1.5NO3
42	1.50	170	53	28.00	22.40	26	6	40.5	-	E513M42X1.5NO2
42	1.50	170	53	28.00	22.40	26	6	40.5	-	E513M42X1.5NO3
42	3.00	170	53	28.00	22.40	26	6	39	-	E513M42X3.0NO3
45	1.50	187	54	31.50	25.00	28	6	43.5	-	E513M45X1.5NO2
45	1.50	187	54	31.50	25.00	28	6	43.5	-	E513M45X1.5NO3
48	1.50	187	60	31.50	25.00	28	6	46.5	-	E513M48X1.5NO3
48	2.00	187	60	31.50	25.00	28	6	46	-	E513M48X2.0NO3
48	3.00	187	60	31.50	25.00	28	6	45	-	E513M48X3.0NO3
50	1.50	187	60	31.50	25.00	28	6	48.5	-	E513M50X1.5NO2
50	1.50	187	60	31.50	25.00	28	6	48.5	-	E513M50X1.5NO3





## EP10

- MF 机用丝锥 螺尖

## EP10TIN

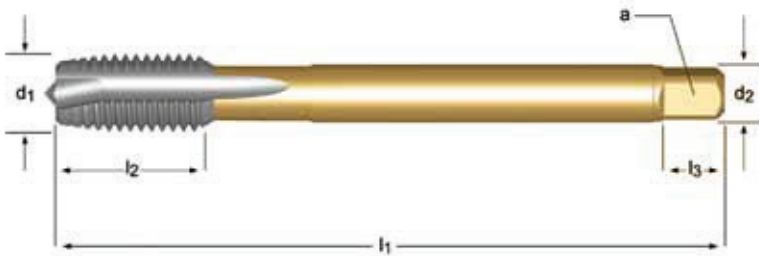
- MF Macho Máquina Ponta Helicoidal

- MF Machos de máquina Entrada en hélice


## EP11

- MF Machine Tap Spiral Point

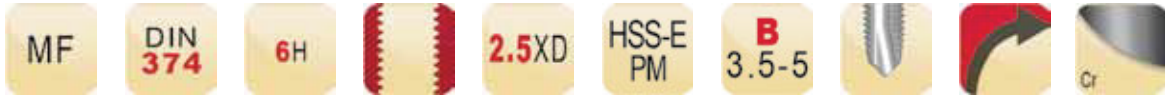
EP10	▪	1.1	1.2	1.3	1.4	1.5	6.1	6.3	7.1	7.2	7.3	7.4	
	•	1.6	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.2	8.1	
EP10TIN	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2	6.1	6.3	7.3	7.4	
	•	1.6	2.3	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.2	8.2
EP11	▪	1.1	1.2	1.3	1.4	1.5							
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4				



MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		EP10	EP10TIN	EP11
4	0.50	63	12	2.8	2.1	5	3	3.5	EP10M4X.5		EP11M4X.5
5	0.50	70	13	3.5	2.7	6	3	4.5	EP10M5X.5		EP11M5X.5
6	0.75	80	15	4.5	3.4	6	3	5.3	EP10M6X.75		EP11M6X.75
8	0.75	80	15	6.0	4.9	8	3	7.3	EP10M8X.75		EP11M8X.75
8	1.00	90	18	6.0	4.9	8	3	7	EP10M8X1.0	EP10TINM8X1.0	EP11M8X1.0
10	0.75	90	18	7.0	5.5	8	3	9.3	EP10M10X.75		EP11M10X.75
10	1.00	90	18	7.0	5.5	8	3	9	EP10M10X1.0	EP10TINM10X1.0	EP11M10X1.0
10	1.25	100	20	7.0	5.5	8	3	8.8	EP10M10X1.25	EP10TINM10X1.25	EP11M10X1.25
12	1.00	100	21	9.0	7.0	10	3	11	EP10M12X1.0	EP10TINM12X1.0	EP11M12X1.0
12	1.25	100	21	9.0	7.0	10	3	10.8	EP10M12X1.25	EP10TINM12X1.25	EP11M12X1.25
12	1.50	100	21	9.0	7.0	10	3	10.5	EP10M12X1.5	EP10TINM12X1.5	EP11M12X1.5
14	1.00	100	21	11.0	9.0	12	3	13	EP10M14X1.0		EP11M14X1.0
14	1.25	100	21	11.0	9.0	12	3	13	EP10M14X1.25		EP11M14X1.25
14	1.50	100	21	11.0	9.0	12	3	12.5	EP10M14X1.5	EP10TINM14X1.5	EP11M14X1.5
16	1.00	100	21	12.0	9.0	12	3	15	EP10M16X1.0		EP11M16X1.0
16	1.50	100	21	12.0	9.0	12	3	14.5	EP10M16X1.5	EP10TINM16X1.5	EP11M16X1.5
18	1.00	110	24	14.0	11.0	14	4	17	EP10M18X1.0		EP11M18X1.0
18	1.50	110	24	14.0	11.0	14	4	16.5	EP10M18X1.5	EP10TINM18X1.5	EP11M18X1.5
20	1.00	125	24	16.0	12.0	15	4	19	EP10M20X1.0		EP11M20X1.0
20	1.50	125	24	16.0	12.0	15	4	18.5	EP10M20X1.5	EP10TINM20X1.5	EP11M20X1.5

MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		EP10	EP10TIN	EP11
22	1.50	125	25	18.0	14.5	17	4	20.5	EP10M22X1.5		EP11M22X1.5
24	1.50	140	28	18.0	14.5	17	4	22.5	EP10M24X1.5		EP11M24X1.5
24	2.00	140	28	18.0	14.5	17	4	22	EP10M24X2.0		EP11M24X2.0
25	1.50	140	28	18.0	14.5	17	4	23.5	EP10M25X1.5		EP11M25X1.5
26	1.50	140	28	18.0	14.5	17	4	24.5	EP10M26X1.5		EP11M26X1.5
27	1.50	140	28	20.0	16.0	19	4	25.5	EP10M27X1.5		EP11M27X1.5
27	2.00	140	28	20.0	16.0	19	4	25	EP10M27X2.0		EP11M27X2.0
28	1.50	140	28	20.0	16.0	19	4	26.5	EP10M28X1.5		EP11M28X1.5
30	1.50	150	28	22.0	18.0	21	4	28.5	EP10M30X1.5		EP11M30X1.5
30	2.00	150	28	22.0	18.0	21	4	28	EP10M30X2.0		EP11M30X2.0

E299

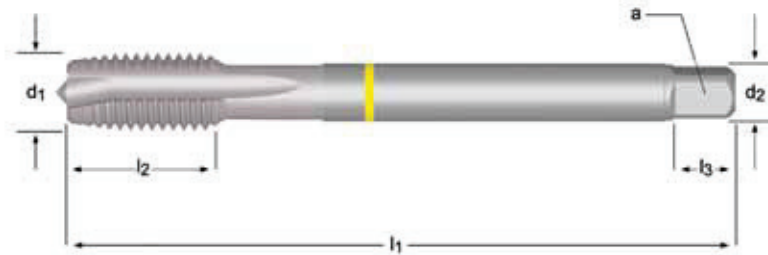


- MF 机用螺尖丝锥，黄圈鲨鱼丝锥
- MF Macho Máquina Ponta Helicoidal, Shark - Anel Amarelo
- MF Macho de máquina con entrada en hélice Shark (Anillo Amarillo)
- MF Machine Tap Spiral Point, Yellow Shark

提供HSS-E，直到新的可用库存  
 Fornecido em HSS-E até disponibilidade do novo estoque  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Supplied in HSS-E until new stock available

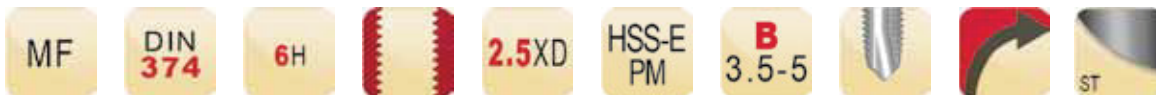
## E299

E299	▪	1.1	1.2	1.3	6.1	6.3
	•	1.4	1.5	6.2		



MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∟ a mm	l <sub>3</sub> mm	z		E299
4	0.50	63	12	2.8	2.1	5	3	3.5	E299M4X.5
5	0.50	70	13	3.5	2.7	6	3	4.5	E299M5X.5
6	0.75	80	15	4.5	3.4	6	3	5.3	E299M6X.75
8	0.75	80	15	6.0	4.9	8	3	7.3	E299M8X.75
8	1.00	90	18	6.0	4.9	8	3	7.0	E299M8X1.0
10	0.75	90	20	7.0	5.5	8	3	9.3	E299M10X.75
10	1.00	90	20	7.0	5.5	8	3	9.0	E299M10X1.0
10	1.25	100	20	7.0	5.5	8	3	8.8	E299M10X1.25
12	1.00	100	21	9.0	7.0	10	4	11.0	E299M12X1.0
12	1.25	100	21	9.0	7.0	10	4	10.8	E299M12X1.25
12	1.50	110	21	9.0	7.0	10	4	10.5	E299M12X1.5
14	1.00	100	21	11.0	9.0	12	4	13.0	E299M14X1.0
14	1.25	100	21	11.0	9.0	12	4	12.8	E299M14X1.25
14	1.50	100	21	11.0	9.0	12	4	12.5	E299M14X1.5
16	1.00	100	21	12.0	9.0	12	4	15.0	E299M16X1.0
16	1.50	100	21	12.0	9.0	12	4	14.5	E299M16X1.5
18	1.00	110	24	14.0	11.0	14	4	17.0	E299M18X1.0
18	1.50	110	24	14.0	11.0	14	4	16.5	E299M18X1.5
20	1.50	125	24	16.0	12.0	15	4	18.5	E299M20X1.5
22	1.50	125	25	18.0	14.5	17	4	20.5	E299M22X1.5
24	1.50	140	28	18.0	14.5	17	4	22.5	E299M24X1.5
24	2.00	140	28	18.0	14.5	17	4	22.0	E299M24X2.0
27	2.00	140	28	20.0	16.0	19	4	25.0	E299M27X2.0
30	2.00	150	28	22.0	18.0	21	4	28.0	E299M30X2.0

E384



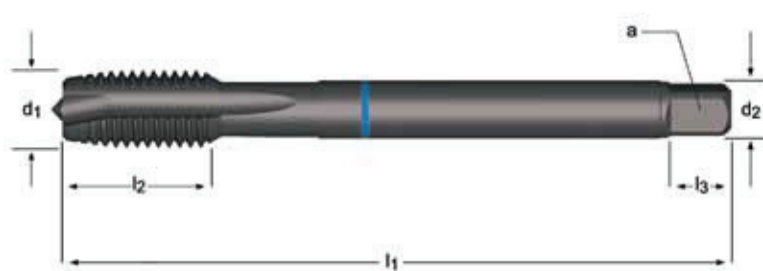
## E384

- MF 机用螺尖丝锥，蓝圈鲨鱼丝锥
- MF Macho Máquina Ponta Helicoidal Shark - Anel Azul
- MF Macho de máquina con entrada en hélice Shark (Anillo Azul)
- MF Machine Tap Spiral Point, Blue Shark

提供HSS-E，直到新的可用库存

Fornecido em HSS-E até disponibilidade do novo estoque  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Supplied in HSS-E until new stock available

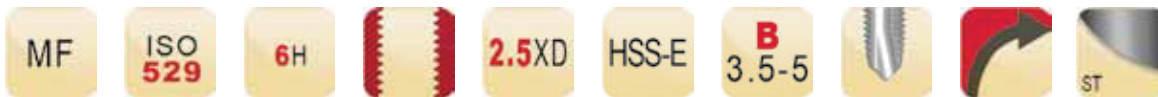
E384	■	2.1	2.2	2.3
	●	1.5	1.6	



MF	P mm	$l_1$ mm	$l_2$ mm	$d_2$ $\varnothing$ mm	$\square$ a mm	$l_3$ mm	z		E384
6	0.75	80	15	4.5	3.4	6	3	5.3	E384M6X.75
8	1.00	90	18	6.0	4.9	8	3	7.0	E384M8X1.0
10	1.00	90	20	7.0	5.5	8	3	9.0	E384M10X1.0
10	1.25	100	20	7.0	5.5	8	3	8.8	E384M10X1.25
12	1.00	100	21	9.0	7.0	10	4	11.0	E384M12X1.0
12	1.25	100	21	9.0	7.0	10	4	10.8	E384M12X1.25
12	1.50	100	21	9.0	7.0	10	4	10.5	E384M12X1.5
14	1.50	100	21	11.0	9.0	12	4	12.5	E384M14X1.5
16	1.50	100	21	12.0	9.0	12	5	14.5	E384M16X1.5
18	1.50	110	24	14.0	11.0	14	5	16.5	E384M18X1.5
20	1.50	125	24	16.0	12.0	15	5	18.5	E384M20X1.5



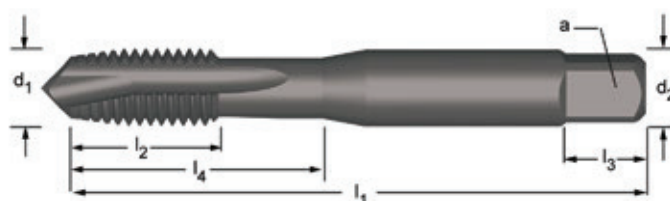
E011



- MF 机用丝锥 螺尖
- MF Macho Máquina Ponta Helicoidal
- MF Machos de máquina Entrada en hélice
- MF Machine Tap Spiral Point

## E011

E011	■	1.1	1.2	1.3	1.4	1.5				
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	



MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E011
4	0.50	53	17	4.0	3.15	6	3	3.5	17	E011M4X.5
5	0.50	58	11	5.0	4.00	7	3	4.5	22	E011M5X.5
6	0.50	66	13	6.3	5.00	8	3	5.5	26	E011M6X.5
6	0.75	66	13	6.3	5.00	8	3	5.3	26	E011M6X.75
8	0.75	72	16	8.0	6.30	9	3	7.3	29	E011M8X.75
8	1.00	72	16	8.0	6.30	9	3	7.0	29	E011M8X1.0
10	1.00	80	18	10.0	8.00	11	3	9.0	34	E011M10X1.0
10	1.25	80	18	10.0	8.00	11	3	8.8	34	E011M10X1.25
12	1.00	89	22	9.0	7.10	10	3	11.0	-	E011M12X1.0
12	1.25	89	22	9.0	7.10	10	3	10.8	-	E011M12X1.25
12	1.50	89	22	9.0	7.10	10	3	10.5	-	E011M12X1.5
14	1.00	95	24	11.2	9.00	12	3	13.0	-	E011M14X1.0
14	1.25	95	24	11.2	9.00	12	3	12.8	-	E011M14X1.25
14	1.50	95	24	11.2	9.00	12	3	12.5	-	E011M14X1.5
16	1.00	102	24	12.5	10.00	13	3	15.0	-	E011M16X1.0
16	1.50	102	24	12.5	10.00	13	3	14.5	-	E011M16X1.5
18	1.00	112	29	14.0	11.20	14	4	17.0	-	E011M18X1.0
18	1.50	112	29	14.0	11.20	14	4	16.5	-	E011M18X1.5
20	1.00	112	29	14.0	11.20	14	4	19.0	-	E011M20X1.0
20	1.50	112	29	14.0	11.20	14	4	18.5	-	E011M20X1.5
20	2.00	112	29	14.0	11.20	14	4	18.0	-	E011M20X2.0
22	1.50	118	29	16.0	12.50	16	4	20.5	-	E011M22X1.5
24	1.50	130	35	18.0	14.00	18	4	22.5	-	E011M24X1.5
24	2.00	130	35	18.0	14.00	18	4	22.0	-	E011M24X2.0



## EX10

- MF 机用丝锥 螺旋槽 45°

## EX10TIN

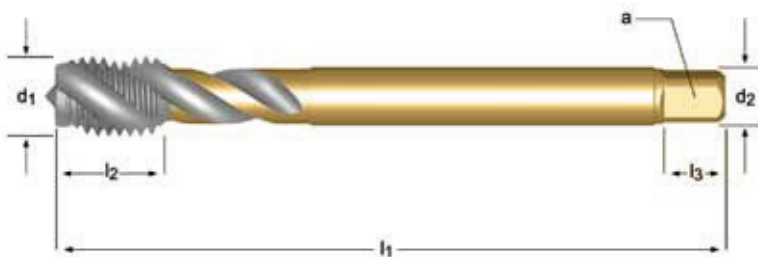
- MF Macho Máquina Canal Helicoidal 45°

## EX11

- MF Machos de máquina Estrías helicoidales a 45°

- MF Machine Tap Spiral Flute 45°

<b>EX10</b>	▪	1.1	1.2	1.3	1.4	1.5	7.1	7.2	7.3	7.4
	•	4.1	4.2	5.1	5.2					
<b>EX10TIN</b>	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2	7.3	7.4
	•	2.3	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2
<b>EX11</b>	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2		
	•	2.3								



MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		EX10	EX10TIN	EX11
4	0.50	63	7	2.8	2.1	5	3	3.5	EX10M4X.50		EX11M4X.50
5	0.50	70	8	3.5	2.7	6	3	4.5	EX10M5X.50		EX11M5X.50
6	0.75	80	10	4.5	3.4	6	3	5.3	EX10M6X.75		EX11M6X.75
8	0.75	80	13	6.0	4.9	8	3	7.3	EX10M8X.75		EX11M8X.75
8	1.00	90	13	6.0	4.9	8	3	7	EX10M8X1.0	EX10TINM8X1.0	EX11M8X1.0
10	0.75	90	13	7.0	5.5	8	3	9.3	EX10M10X.75		EX11M10X.75
10	1.00	90	13	7.0	5.5	8	3	9	EX10M10X1.0	EX10TINM10X1.0	EX11M10X1.0
10	1.25	100	15	7.0	5.5	8	3	8.8	EX10M10X1.25	EX10TINM10X1.25	EX11M10X1.25
12	1.00	100	15	9.0	7.0	10	3	11	EX10M12X1.0	EX10TINM12X1.0	EX11M12X1.0
12	1.25	100	15	9.0	7.0	10	3	10.8	EX10M12X1.25	EX10TINM12X1.25	EX11M12X1.25
12	1.50	100	15	9.0	7.0	10	3	10.5	EX10M12X1.5	EX10TINM12X1.5	EX11M12X1.5
14	1.00	100	15	11.0	9.0	12	3	13	EX10M14X1.0		EX11M14X1.0
14	1.25	100	15	11.0	9.0	12	3	12.8	EX10M14X1.25		EX11M14X1.25
14	1.50	100	15	11.0	9.0	12	3	12.5	EX10M14X1.5	EX10TINM14X1.5	EX11M14X1.5
16	1.00	100	15	12.0	9.0	12	4	15	EX10M16X1.0		EX11M16X1.0
16	1.50	100	15	12.0	9.0	12	4	14.5	EX10M16X1.5	EX10TINM16X1.5	EX11M16X1.5
18	1.00	110	17	14.0	11.0	14	4	17	EX10M18X1.0		EX11M18X1.0
18	1.50	110	17	14.0	11.0	14	4	16.5	EX10M18X1.5	EX10TINM18X1.5	EX11M18X1.5
20	1.00	125	17	16.0	12.0	15	4	19	EX10M20X1.0		EX11M20X1.0
20	1.50	125	17	16.0	12.0	15	4	18.5	EX10M20X1.5	EX10TINM20X1.5	EX11M20X1.5

MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		EX10	EX10TIN	EX11
22	1.50	125	17	18.0	14.5	17	4	20.5	EX10M22X1.5		EX11M22X1.5
24	1.50	140	20	18.0	14.5	17	4	22.5	EX10M24X1.5		EX11M24X1.5
24	2.00	140	20	18.0	14.5	17	4	22	EX10M24X2.0		EX11M24X2.0
25	1.50	140	20	18.0	14.5	17	4	23.5	EX10M25X1.5		EX11M25X1.5
26	1.50	140	20	18.0	14.5	17	4	24.5	EX10M26X1.5		EX11M26X1.5
27	1.50	140	20	20.0	16.0	19	4	25.5	EX10M27X1.5		EX11M27X1.5
27	2.00	140	20	20.0	16.0	19	4	25	EX10M27X2.0		EX11M27X2.0
28	1.50	140	20	20.0	16.0	19	4	26.5	EX10M28X1.5		EX11M28X1.5
30	1.50	150	20	22.0	18.0	21	4	28.5	EX10M30X1.5		EX11M30X1.5
30	2.00	150	20	22.0	18.0	21	4	28	EX10M30X2.0		EX11M30X2.0

E300



## E300

- MF 机用细牙螺旋槽40°丝锥，黄圈鲨鱼丝锥
- MF Macho Máquina Canal Helicoidal 40°, Shark - Anel Amarelo
- MF Macho de máquina helicoidal 40° Shark (Anillo Amarillo)
- MF Machine Tap Spiral Flute 40°, Yellow Shark

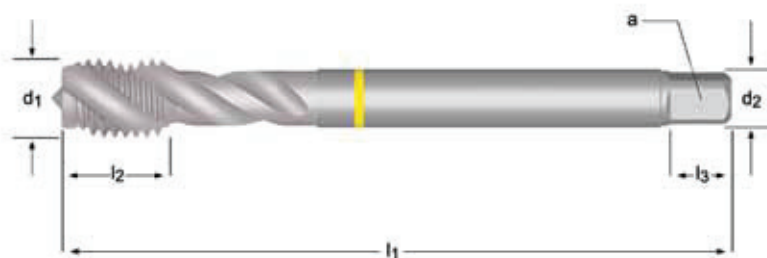
提供HSS-E，直到新的可用库存

Fornecido em HSS-E até disponibilidade do novo estoque

Suministrado en HSS-E hasta disponibilidad de nuevo stock

Supplied in HSS-E until new stock available

E300	▪	1.1	1.2	1.3	6.1	6.3
	•	1.4	1.5	6.2		



E300



SHARK LINE

M4 - M30

MF	P mm	$l_1$ mm	$l_2$ mm	$d_2$ Ø mm	$\square$ a mm	$l_3$ mm	z		E300
4	0.50	63	6.5	2.8	2.1	5	3	3.5	E300M4X.5
5	0.50	70	7.5	3.5	2.7	6	3	4.5	E300M5X.5
6	0.75	80	10	4.5	3.4	6	3	5.3	E300M6X.75
8	0.75	80	13	6.0	4.9	8	3	7.3	E300M8X.75
8	1.00	90	13	6.0	4.9	8	3	7.0	E300M8X1.0
10	0.75	90	13	7.0	5.5	8	3	9.3	E300M10X.75
10	1.00	90	12	7.0	5.5	8	3	9.0	E300M10X1.0
10	1.25	100	15	7.0	5.5	8	3	8.8	E300M10X1.25
12	1.00	100	15	9.0	7.0	10	4	11.0	E300M12X1.0
12	1.25	100	13	9.0	7.0	10	4	10.8	E300M12X1.25
12	1.50	100	13	9.0	7.0	10	4	10.5	E300M12X1.5
14	1.00	100	15	11.0	9.0	12	4	13.0	E300M14X1.0
14	1.25	100	15	11.0	9.0	12	4	12.8	E300M14X1.25
14	1.50	100	15	11.0	9.0	12	4	12.5	E300M14X1.5
16	1.00	100	15	12.0	9.0	12	5	15.0	E300M16X1.0
16	1.50	100	15	12.0	9.0	12	5	14.5	E300M16X1.5
18	1.00	110	17	14.0	11.0	14	5	17.0	E300M18X1.0
18	1.50	110	17	14.0	11.0	14	5	16.5	E300M18X1.5
20	1.50	125	17	16.0	12.0	15	5	18.5	E300M20X1.5
22	1.50	125	17	18.0	14.5	17	5	20.5	E300M22X1.5
24	1.50	140	20	18.0	14.5	17	5	22.5	E300M24X1.5
24	2.00	140	20	18.0	14.5	17	5	22.0	E300M24X2.0
27	2.00	140	20	20.0	16.0	19	5	25.0	E300M27X2.0
30	2.00	150	20	22.0	18.0	21	5	28.0	E300M30X2.0

E383



## E383

- MF 机用细牙螺旋槽40°丝锥，蓝圈鲨鱼丝锥
- MF Macho Máquina Canal Helicoidal 40° Shark - Anel Azul
- MF Macho de máquina helicoidal 40° Shark (Anillo Azul)
- MF Machine Tap Spiral Flute 40°, Blue Shark

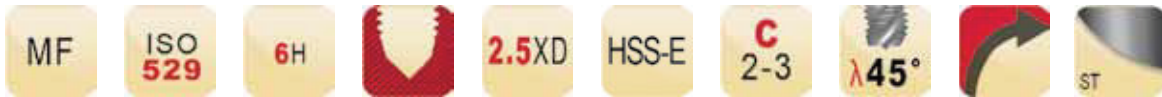
提供HSS-E，直到新的可用库存  
 Fornecido em HSS-E até disponibilidade do novo estoque  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Supplied in HSS-E until new stock available

E383	▪	2.1	2.2	2.3
	•	1.5	1.6	



MF	P mm	$l_1$ mm	$l_2$ mm	$d_2$ Ø mm	$\square$ a mm	$l_3$ mm	z		E383
6	0.75	80	10	4.5	3.4	6	3	5.3	E383M6X.75
8	1.00	90	13	6.0	4.9	8	3	7.0	E383M8X1.0
10	1.00	90	12	7.0	5.5	8	3	9.0	E383M10X1.0
10	1.25	100	15	7.0	5.5	8	3	8.8	E383M10X1.25
12	1.00	100	13	9.0	7.0	10	4	11.0	E383M12X1.0
12	1.25	100	13	9.0	7.0	10	4	10.8	E383M12X1.25
12	1.50	100	13	9.0	7.0	10	4	10.5	E383M12X1.5
14	1.50	100	21	11.0	9.0	12	4	12.5	E383M14X1.5
16	1.50	100	21	12.0	9.0	12	5	14.5	E383M16X1.5
18	1.50	110	24	14.0	11.0	14	5	16.5	E383M18X1.5
20	1.50	125	24	16.0	12.0	15	5	18.5	E383M20X1.5

E013



- MF 机用丝锥 螺旋槽 45°
- MF Macho Máquina Canal Helicoidal 45°
- MF Machos de máquina Estrías helicoidales a 45°
- MF Machine Tap Spiral Flute 45°

## E013

E013	▪	1.1	1.2	1.3	1.4	1.5
	•	2.1	2.2	2.3		



MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∇ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E013
4	0.50	53	7	4.0	3.15	6	3	3.5	19	E013M4X.5
5	0.50	58	8	5.0	4.0	7	3	4.5	22	E013M5X.5
6	0.50	66	10	6.3	5.0	8	3	5.5	27	E013M6X.5
6	0.75	66	10	6.3	5.0	8	3	5.3	27	E013M6X.75
8	0.75	72	12	8.0	6.3	9	3	7.3	31	E013M8X.75
8	1.00	72	12	8.0	6.3	9	3	7.0	31	E013M8X1.0
10	1.00	80	15	10.0	8.0	11	3	9.0	35	E013M10X1.0
10	1.25	80	15	10.0	8.0	11	3	8.8	35	E013M10X1.25
12	1.00	89	16	9.0	7.1	10	3	11.0	-	E013M12X1.0
12	1.25	89	16	9.0	7.1	10	3	10.8	-	E013M12X1.25
12	1.50	89	16	9.0	7.1	10	3	10.5	-	E013M12X1.5
14	1.50	95	18	11.2	9.0	12	3	12.5	-	E013M14X1.5
16	1.00	102	18	12.5	10.0	13	4	15.0	-	E013M16X1.0
16	1.50	102	18	12.5	10.0	13	4	14.5	-	E013M16X1.5
18	1.50	112	29	14.0	11.2	14	4	16.5	-	E013M18X1.5
20	1.50	112	29	14.0	11.2	14	4	18.5	-	E013M20X1.5
22	1.50	118	29	16.0	12.5	16	4	20.5	-	E013M22X1.5

E108

UNC

DIN  
352

2B



1.5XD

HSS

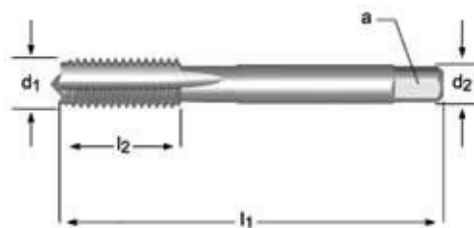
C  
2-3



- UNC 手动丝锥 直槽
- UNC Macho Manual Canal Reto
- UNC Machos de mano Estrias rectas
- UNC Hand Tap Straight Flute

## E108

E108 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3



E108



No.5 - 1"

UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	z		E108
5	40	3.18	45	13	4.0	3.0	3	2.65	E1085-40NO3
5	40	3.18	45	13	4.0	3.0	3	2.65	E1085-40NO8
6	32	3.51	45	10	4.0	3.0	3	2.85	E1086-32NO3
6	32	3.51	45	10	4.0	3.0	3	2.85	E1086-32NO8
8	32	4.17	50	14	6.0	4.9	3	3.5	E1088-32NO3
8	32	4.17	50	14	6.0	4.9	3	3.5	E1088-32NO8
10	24	4.83	50	14	6.0	4.9	3	3.9	E10810-24NO3
10	24	4.83	50	14	6.0	4.9	3	3.9	E10810-24NO8
12	24	5.49	56	16	6.0	4.9	3	4.5	E10812-24NO3
12	24	5.49	56	16	6.0	4.9	3	4.5	E10812-24NO8
1/4	20	6.35	56	17	6.0	4.9	3	5.1	E1081/4NO3
1/4	20	6.35	56	17	6.0	4.9	3	5.1	E1081/4NO8
5/16	18	7.94	63	19	6.0	4.9	3	6.6	E1085/16NO3
5/16	18	7.94	63	19	6.0	4.9	3	6.6	E1085/16NO8
3/8	16	9.53	70	22	7.0	5.5	3	8	E1083/8NO3
3/8	16	9.53	70	22	7.0	5.5	3	8	E1083/8NO8
7/16	14	11.11	75	30	8.0	6.2	3	9.4	E1087/16NO3
7/16	14	11.11	75	30	8.0	6.2	3	9.4	E1087/16NO8
1/2	13	12.70	75	27	9.0	7.0	3	10.8	E1081/2NO3
1/2	13	12.70	75	27	9.0	7.0	3	10.8	E1081/2NO8
9/16	12	14.29	80	30	11.0	9.0	4	12.2	E1089/16NO3
9/16	12	14.29	80	30	11.0	9.0	4	12.2	E1089/16NO8
5/8	11	15.88	80	32	12.0	9.0	4	13.5	E1085/8NO3
5/8	11	15.88	80	32	12.0	9.0	4	13.5	E1085/8NO8
3/4	10	19.05	95	34	14.0	11.0	4	16.5	E1083/4NO3
3/4	10	19.05	95	34	14.0	11.0	4	16.5	E1083/4NO8
7/8	9	22.23	110	38	18.0	14.5	4	19.5	E1087/8NO3
7/8	9	22.23	110	38	18.0	14.5	4	19.5	E1087/8NO8
1"	8	25.40	110	38	20.0	16.0	4	22.25	E1081NO8

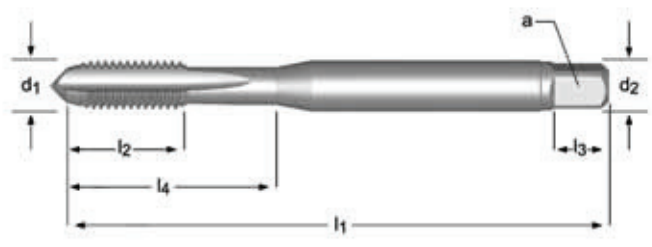
NO1  
NO9  
198





- E225**
- UNC 机用丝锥 直槽
  - UNC Macho Máquina Canal Reto
- E275**
- UNC MMachos de máquina Estrías rectas
  - UNC Machine Tap Straight Flute

E225; E275 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2



UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z	∠	l <sub>4</sub> mm	E225	E275
2	56	2.184	45	7	2.8	2.1	5	3	1.9	12	E2252-56	
3	48	2.515	50	8	2.8	2.1	5	3	2.1	12.5	E2253-48NO3	
4	40	2.845	56	9	3.5	2.7	6	3	2.35	18	E2254-40	
5	40	3.175	56	10	3.5	2.7	6	3	2.65	18	E2255-40	
6	32	3.505	56	11	4.0	3.0	6	3	2.85	20	E2256-32	
8	32	4.166	63	12	4.5	3.4	8	3	3.5	21	E2258-32	
10	24	4.826	70	13	6.0	4.9	8	3	3.9	25	E22510-24	
12	24	5.486	80	15	6.0	4.9	8	3	4.5	30	E22512-24	
1/4	20	6.350	80	16	7.0	5.5	8	3	5.1	30	E2251/4	
5/16	18	7.94	90	18	6.0	4.9	8	3	6.6	-		E2755/16
3/8	16	9.53	100	24	7.0	5.5	8	3	8.0	-		E2753/8
7/16	14	11.11	110	23	9.0	7.0	10	3	9.4	-		E2757/16
1/2	13	12.7	110	23	9.0	7.0	10	3	10.8	-		E2751/2
9/16	12	14.29	110	25	11.0	9.0	12	3	12.2	-		E2759/16
5/8	11	15.88	110	25	12.0	9.0	12	4	13.5	-		E2755/8
3/4	10	19.05	140	34	14.0	11.0	14	4	16.5	-		E2753/4
7/8	9	22.23	140	34	18.0	14.5	17	4	19.5	-		E2757/8
1"	8	25.40	160	38	20.0	16.0	19	4	22.25	-		E2751
1.1/8	7	28.58	180	45	22.0	18.0	21	4	25.0	-		E2751.1/8
1.1/4	7	31.75	180	50	25.0	20.0	23	4	28.0	-		E2751.1/4
1.1/2	6	38.10	200	60	32.0	24.0	27	4	34.0	-		E2751.1/2

E515

UNC

ISO  
529

2B



1.5XD

HSS

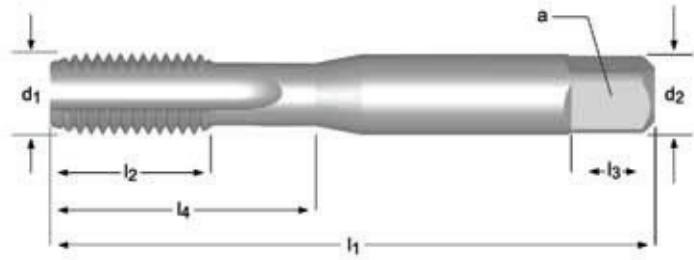


L120  
309

- UNC 机用丝锥 直槽
- UNC Macho Máquina Canal Recto
- UNC MMachos de máquina Estrías rectas
- UNC Machine Tap Straight Flute

## E515

E515 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3



E515



No.1 - 2"

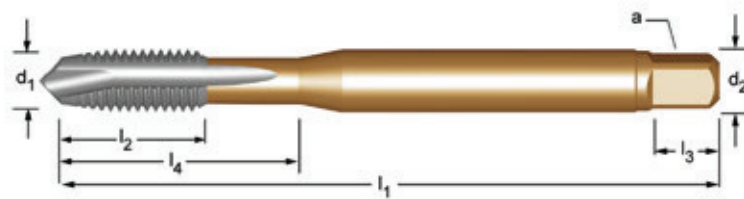
UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E515
1	64	1.854	41	8	2.50	2.00	4	2	1.55	8	E5151-64NO1
1	64	1.854	41	8	2.50	2.00	4	2	1.55	8	E5151-64NO2
1	64	1.854	41	8	2.50	2.00	4	2	1.55	8	E5151-64NO3
1	64	1.854	41	8	2.50	2.00	4	2	1.55	8	E5151-64NO6
2	56	2.184	44.5	9.5	2.80	2.24	5	3	1.85	9.5	E5152-56NO1
2	56	2.184	44.5	9.5	2.80	2.24	5	3	1.85	9.5	E5152-56NO2
2	56	2.184	44.5	9.5	2.80	2.24	5	3	1.85	9.5	E5152-56NO3
2	56	2.184	44.5	9.5	2.80	2.24	5	3	1.85	9.5	E5152-56NO6
3	48	2.515	44.5	9.5	2.80	2.24	5	3	2.1	9.5	E5153-48NO1
3	48	2.515	44.5	9.5	2.80	2.24	5	3	2.1	9.5	E5153-48NO2
3	48	2.515	44.5	9.5	2.80	2.24	5	3	2.1	9.5	E5153-48NO3
3	48	2.515	44.5	9.5	2.80	2.24	5	3	2.1	9.5	E5153-48NO6
4	40	2.845	48	12.5	3.15	2.50	5	3	2.35	12.5	E5154-40NO1
4	40	2.845	48	12.5	3.15	2.50	5	3	2.35	12.5	E5154-40NO2
4	40	2.845	48	12.5	3.15	2.50	5	3	2.35	12.5	E5154-40NO3
4	40	2.845	48	12.5	3.15	2.50	5	3	2.35	12.5	E5154-40NO6
5	40	3.175	48	12.5	3.15	2.50	5	3	2.65	12.5	E5155-40NO1
5	40	3.175	48	12.5	3.15	2.50	5	3	2.65	12.5	E5155-40NO2
5	40	3.175	48	12.5	3.15	2.50	5	3	2.65	12.5	E5155-40NO3
5	40	3.175	48	12.5	3.15	2.50	5	3	2.65	12.5	E5155-40NO6
6	32	3.505	50	14	3.55	2.80	5	3	2.85	14	E5156-32NO1
6	32	3.505	50	14	3.55	2.80	5	3	2.85	14	E5156-32NO2
6	32	3.505	50	14	3.55	2.80	5	3	2.85	14	E5156-32NO3
6	32	3.505	50	14	3.55	2.80	5	3	2.85	14	E5156-32NO6
8	32	4.166	53	9.5	4.50	3.55	6	3	3.5	17	E5158-32NO1
8	32	4.166	53	9.5	4.50	3.55	6	3	3.5	17	E5158-32NO2
8	32	4.166	53	9.5	4.50	3.55	6	3	3.5	17	E5158-32NO3
8	32	4.166	53	9.5	4.50	3.55	6	3	3.5	17	E5158-32NO6
10	24	4.826	58	11	5.00	4.00	7	3	3.9	20	E51510-24NO1
10	24	4.826	58	11	5.00	4.00	7	3	3.9	20	E51510-24NO2
10	24	4.826	58	11	5.00	4.00	7	3	3.9	20	E51510-24NO3
10	24	4.826	58	11	5.00	4.00	7	3	3.9	20	E51510-24NO6
12	24	5.486	62	12	5.60	4.50	7	3	4.5	21	E51512-24NO1
12	24	5.486	62	12	5.60	4.50	7	3	4.5	21	E51512-24NO2
12	24	5.486	62	12	5.60	4.50	7	3	4.5	21	E51512-24NO3
12	24	5.486	62	12	5.60	4.50	7	3	4.5	21	E51512-24NO6
1/4	20	6.350	66	13	6.30	5.00	8	3	5.1	26	E5151/4NO1
1/4	20	6.350	66	13	6.30	5.00	8	3	5.1	26	E5151/4NO2

UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E515
1/4	20	6.350	66	13	6.30	5.00	8	3	5.1	26	E5151/4NO3
1/4	20	6.350	66	13	6.30	5.00	8	3	5.1	26	E5151/4NO6
5/16	18	7.938	72	16	8.00	6.30	9	3	6.6	29	E5155/16NO1
5/16	18	7.938	72	16	8.00	6.30	9	3	6.6	29	E5155/16NO2
5/16	18	7.938	72	16	8.00	6.30	9	3	6.6	29	E5155/16NO3
5/16	18	7.938	72	16	8.00	6.30	9	3	6.6	29	E5155/16NO6
3/8	16	9.525	80	18	10.00	8.00	11	3	8	32	E5153/8NO1
3/8	16	9.525	80	18	10.00	8.00	11	3	8	32	E5153/8NO2
3/8	16	9.525	80	18	10.00	8.00	11	3	8	32	E5153/8NO3
3/8	16	9.525	80	18	10.00	8.00	11	3	8	32	E5153/8NO6
7/16	14	11.112	85	19	8.00	6.30	9	3	9.4	-	E5157/16NO1
7/16	14	11.112	85	19	8.00	6.30	9	3	9.4	-	E5157/16NO2
7/16	14	11.112	85	19	8.00	6.30	9	3	9.4	-	E5157/16NO3
7/16	14	11.112	85	19	8.00	6.30	9	3	9.4	-	E5157/16NO6
1/2	13	12.700	89	22	9.00	7.10	10	3	10.8	-	E5151/2NO1
1/2	13	12.700	89	22	9.00	7.10	10	3	10.8	-	E5151/2NO2
1/2	13	12.700	89	22	9.00	7.10	10	3	10.8	-	E5151/2NO3
1/2	13	12.700	89	22	9.00	7.10	10	3	10.8	-	E5151/2NO6
9/16	12	14.288	95	24	11.20	9.00	12	4	12.2	-	E5159/16NO1
9/16	12	14.288	95	24	11.20	9.00	12	4	12.2	-	E5159/16NO2
9/16	12	14.288	95	24	11.20	9.00	12	4	12.2	-	E5159/16NO3
9/16	12	14.288	95	24	11.20	9.00	12	4	12.2	-	E5159/16NO6
5/8	11	15.875	102	24	12.50	10.00	13	4	13.5	-	E5155/8NO1
5/8	11	15.875	102	24	12.50	10.00	13	4	13.5	-	E5155/8NO2
5/8	11	15.875	102	24	12.50	10.00	13	4	13.5	-	E5155/8NO3
5/8	11	15.875	102	24	12.50	10.00	13	4	13.5	-	E5155/8NO6
3/4	10	19.050	112	29	14.00	11.20	14	4	16.5	-	E5153/4NO1
3/4	10	19.050	112	29	14.00	11.20	14	4	16.5	-	E5153/4NO2
3/4	10	19.050	112	29	14.00	11.20	14	4	16.5	-	E5153/4NO3
3/4	10	19.050	112	29	14.00	11.20	14	4	16.5	-	E5153/4NO6
7/8	9	22.225	118	29	16.00	12.50	16	4	19.5	-	E5157/8NO1
7/8	9	22.225	118	29	16.00	12.50	16	4	19.5	-	E5157/8NO2
7/8	9	22.225	118	29	16.00	12.50	16	4	19.5	-	E5157/8NO3
7/8	9	22.225	118	29	16.00	12.50	16	4	19.5	-	E5157/8NO6
1"	8	25.400	130	35	18.00	14.00	18	4	22.25	-	E5151NO3
1"	8	25.400	130	35	18.00	14.00	18	4	22.25	-	E5151NO1
1"	8	25.400	130	35	18.00	14.00	18	4	22.25	-	E5151NO2
1"	8	25.400	130	35	18.00	14.00	18	4	22.25	-	E5151NO6
1.1/8	7	28.575	138	35	20.00	16.00	20	4	25	-	E5151.1/8NO1
1.1/8	7	28.575	138	35	20.00	16.00	20	4	25	-	E5151.1/8NO2
1.1/8	7	28.575	138	35	20.00	16.00	20	4	25	-	E5151.1/8NO3
1.1/4	7	31.750	151	41	22.40	18.00	22	4	28	-	E5151.1/4NO1
1.1/4	7	31.750	151	41	22.40	18.00	22	4	28	-	E5151.1/4NO2
1.1/4	7	31.750	151	41	22.40	18.00	22	4	28	-	E5151.1/4NO3
1.3/8	6	34.925	162	47	25.00	20.00	24	4	30.75	-	E5151.3/8NO1
1.3/8	6	34.925	162	47	25.00	20.00	24	4	30.75	-	E5151.3/8NO2
1.3/8	6	34.925	162	47	25.00	20.00	24	4	30.75	-	E5151.3/8NO3
1.1/2	6	38.100	170	47	28.00	22.40	26	4	34	-	E5151.1/2NO1
1.1/2	6	38.100	170	47	28.00	22.40	26	4	34	-	E5151.1/2NO2
1.1/2	6	38.100	170	47	28.00	22.40	26	4	34	-	E5151.1/2NO3
1.3/4	5	44.450	187	54	31.50	25.00	28	6	39.5	-	E5151.3/4NO1
1.3/4	5	44.450	187	54	31.50	25.00	28	6	39.5	-	E5151.3/4NO2
1.3/4	5	44.450	187	54	31.50	25.00	28	6	39.5	-	E5151.3/4NO3
2"	4.5	50.800	200	60	35.50	28.00	31	6	45	-	E5152NO3
2"	4.5	50.800	200	60	35.50	28.00	31	6	45	-	E5152NO1
2"	4.5	50.800	200	60	35.50	28.00	31	6	45	-	E5152NO2



- EP20**
- UNC 机用丝锥 螺尖
  - UNC Macho Máquina Ponta Helicoidal
- EP21**
- UNC Machos de máquina Entrada en hélice
  - UNC Machine Tap Spiral Point

EP20	▪	1.1	1.2	1.3	1.4	1.5	6.1	6.3	7.1	7.2	7.3	7.4	
	•	1.6	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.2	8.1	
EP21	▪	1.1	1.2	1.3	1.4	1.5							
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4				



UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	EP20	EP21
4	40	2.845	56	9	3.5	2.7	6	3	2.35	18	EP204-40	EP214-40
5	40	3.175	56	10	3.5	2.7	6	3	2.65	18	EP205-40	EP215-40
6	32	3.505	56	11	4.0	3.0	6	3	2.85	20	EP206-32	EP216-32
8	32	4.166	63	12	4.5	3.4	8	3	3.5	21	EP208-32	EP218-32
10	24	4.826	70	13	6.0	4.9	8	3	3.9	25	EP210-24	EP2110-24
12	24	5.486	80	15	6.0	4.9	8	3	4.5	30	EP212-24	EP2112-24
1/4	20	6.350	80	15	7.0	5.5	8	3	5.1	30	EP201/4	EP211/4
5/16	18	7.938	90	18	8.0	6.2	9	3	6.6	35	EP205/16	EP215/16
3/8	16	9.525	100	20	10.0	8.0	11	3	8	39	EP203/8	EP213/8
7/16	14	11.112	100	20	8.0	6.2	9	3	9.4	-	EP207/16	EP217/16
1/2	13	12.700	110	23	9.0	7.0	10	3	10.8	-	EP201/2	EP211/2
5/8	11	15.875	110	25	12.0	9.0	12	3	13.5	-	EP205/8	EP215/8
3/4	10	19.050	125	30	14.0	11.0	14	4	16.5	-	EP203/4	EP213/4
7/8	9	22.225	140	34	18.0	14.5	17	4	19.5	-	EP207/8	EP217/8
1"	8	25.400	160	38	18.0	14.5	17	4	22.25	-	EP201	EP211

E021

UNC

ISO  
529

2B



2.5XD

HSS-E

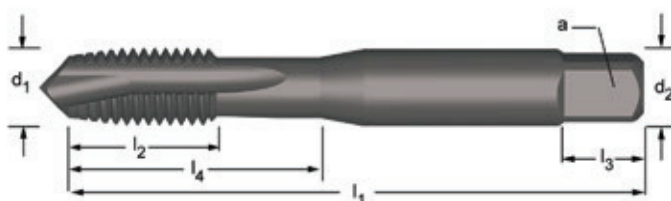
B  
3.5-5



- UNC 机用丝锥 螺尖
- UNC Macho Máquina Ponta Helicoidal
- UNC Machos de máquina Entrada en hélice
- UNC Machine Tap Spiral Point

## E021

E021	▪	1.1	1.2	1.3	1.4	1.5					
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4		



UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E021
2	56	2.184	44.5	9.5	2.80	2.24	5	2	1.85	9.5	E0212-56
4	40	2.845	48	14	3.15	2.50	5	3	2.35	14	E0214-40
5	40	3.175	48	12.5	3.15	2.50	5	3	2.65	12.5	E0215-40
6	32	3.505	50	16	3.55	2.80	5	3	2.85	16	E0216-32
8	32	4.166	53	9.5	4.50	3.55	6	3	3.50	17	E0218-32
10	24	4.826	58	11	5.00	4.00	7	3	3.90	20	E02110-24
12	24	5.486	62	12	5.60	4.50	7	3	4.50	21	E02112-24
1/4	20	6.350	66	13	6.30	5.00	8	3	5.10	26	E0211/4
5/16	18	7.938	72	16	8.00	6.30	9	3	6.60	29	E0215/16
3/8	16	9.525	80	18	10.00	8.00	11	3	8.00	32	E0213/8
7/16	14	11.112	85	19	8.00	6.30	9	3	9.40	-	E0217/16
1/2	13	12.700	89	22	9.00	7.10	10	3	10.80	-	E0211/2
5/8	11	15.875	102	24	12.50	10.00	13	3	13.50	-	E0215/8
3/4	10	19.050	112	29	14.00	11.20	14	4	16.50	-	E0213/4
7/8	9	22.225	118	29	16.00	12.50	16	4	19.50	-	E0217/8
1"	8	25.400	130	35	18.00	14.00	18	4	22.25	-	E0211



- EX20**
- UNC 机用丝锥 螺旋槽 45°
  - UNC Macho Máquina Canal Helicoidal 45°
- EX21**
- UNC Machos de máquina Estrías helicoidales a 45°
  - UNC Machine Tap Spiral Flute 45°

<b>EX20</b>	▪	1.1	1.2	1.3	1.4	1.5	7.1	7.2	7.3	7.4
	•	4.1	4.2	5.1	5.2					
<b>EX21</b>	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2		
	•	2.3								



UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔	l <sub>4</sub> mm	EX20	EX21
4	40	2.845	56	6	3.5	2.7	6	3	2.35	18	EX204-40	EX214-40
5	40	3.175	56	6	3.5	2.7	6	3	2.65	18	EX205-40	EX215-40
6	32	3.505	56	7	4.0	3.0	6	3	2.85	20	EX206-32	EX216-32
8	32	4.166	63	7	4.5	3.4	8	3	3.5	21	EX208-32	EX218-32
10	24	4.826	70	8	6.0	4.9	8	3	3.9	25	EX210-24	EX2110-24
12	24	5.486	80	10	6.0	4.9	8	3	4.5	30	EX2012-24	EX2112-24
1/4	20	6.350	80	10	7.0	5.5	8	3	5.1	30	EX201/4	EX211/4
5/16	18	7.938	90	12	8.0	6.2	9	3	6.6	35	EX205/16	EX215/16
3/8	16	9.525	100	15	10.0	8.0	11	3	8.0	39	EX203/8	EX213/8
7/16	14	11.112	100	15	8.0	6.2	9	3	9.4	-	EX207/16	EX217/16
1/2	13	12.700	110	18	9.0	7.0	10	3	10.8	-	EX201/2	EX211/2
5/8	11	15.875	110	20	12.0	9.0	12	4	13.5	-	EX205/8	EX215/8
3/4	10	19.050	125	25	14.0	11.0	14	4	16.5	-	EX203/4	EX213/4
7/8	9	22.225	140	25	18.0	14.5	17	4	19.5	-	EX207/8	EX217/8
1"	8	25.400	160	30	18.0	14.5	17	4	22.25	-	EX201	EX211

E023

UNC

ISO  
529

2B



2.5XD

HSS-E

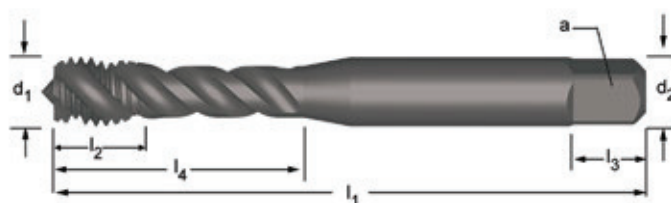
C  
2-3



- UNC 机用丝锥 螺旋槽 45°
- UNC Macho Máquina Canal Helicoidal 45°
- UNC Machos de máquina Estrías helicoidales a 45°
- UNC Machine Tap Spiral Flute 45°

## E023

E023	▪	1.1	1.2	1.3	1.4	1.5
	•	2.1	2.2	2.3		



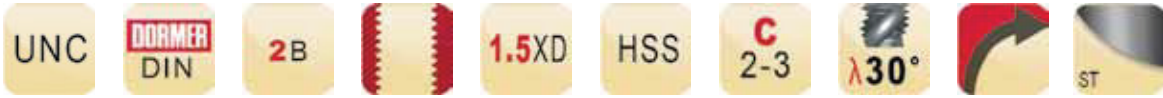
E023



No.2 - 1"

UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E023
2	56	2.184	44.5	9.5	2.80	2.24	5	2	1.85	9.5	E0232-56
4	40	2.845	48	6	3.15	2.50	5	3	2.35	14	E0234-40
5	40	3.175	48	6	3.15	2.50	5	3	2.65	12.5	E0235-40
6	32	3.505	50	6	3.55	2.80	5	3	2.85	16	E0236-32
8	32	4.166	53	7	4.50	3.55	6	3	3.50	17	E0238-32
10	24	4.826	58	8	5.00	4.00	7	3	3.90	20	E02310-24
12	24	5.486	62	12	5.60	4.50	7	3	4.50	21	E02312-24
1/4	20	6.350	66	10	6.30	5.00	8	3	5.10	28	E0231/4
5/16	18	7.938	72	12	8.00	6.30	9	3	6.60	31	E0235/16
3/8	16	9.525	80	15	10.00	8.00	11	3	8.00	34	E0233/8
7/16	14	11.112	85	19	8.00	6.30	9	3	9.40	-	E0237/16
1/2	13	12.700	89	19	9.00	7.10	10	3	10.80	-	E0231/2
5/8	11	15.875	102	24	12.50	10.00	13	4	13.50	-	E0235/8
3/4	10	19.050	112	29	14.00	11.20	14	4	16.50	-	E0233/4
7/8	9	22.225	118	29	16.00	12.50	16	4	19.50	-	E0237/8
1"	8	25.400	130	35	18.00	14.00	18	4	22.25	-	E0231

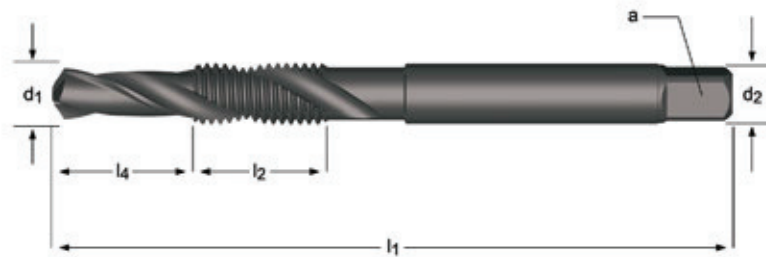
E651



- UNC 钻攻复合刀具 螺旋槽 30°
- UNC Broca-Macho Canal Helicoidal 30°
- UNC Combinación broca-macho Estrías helicoidales a 30°
- UNC Combi Taps Spiral Flute 30°

## E651

E651 • 1.1 1.2 1.3 1.4 3.2 6.2 6.3 7.1 7.2 8.1



E651



No.6 - 5/8

UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	z	E651
6	32	2.85	56.9	12	6.0	3.50	2.90	2	E6516-32
8	32	3.50	64.0	12	8.0	4.50	3.55	2	E6518-32
10	24	3.90	72.0	15	10.0	5.00	4.00	2	E65110-24
12	24	4.50	77.0	15	11.0	5.60	4.50	2	E65112-24
1/4	20	5.10	83.0	17	13.0	6.30	5.00	2	E6511/4
5/16	18	6.60	94.0	21	16.0	8.00	6.30	2	E6515/16
3/8	16	8.00	107.0	23	19.0	10.00	8.00	2	E6513/8
7/16	14	9.40	107.0	25	22.0	8.00	6.30	2	E6517/16
1/2	13	10.80	114.0	29	25.0	9.00	7.10	2	E6511/2
9/16	12	12.20	124.0	29	28.0	11.20	9.00	2	E6519/16
5/8	11	13.50	134.0	31	32.5	12.50	10.00	2	E6515/8



E111

UNF

DIN  
2181

2B



1.5XD

HSS

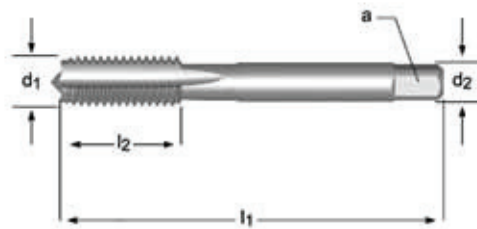
C  
2-3



- UNF 手用丝锥 直槽
- UNF Macho Manual Canal Reto
- UNF Machos de mano Estrías rectas
- UNF Hand Tap Straight Flute

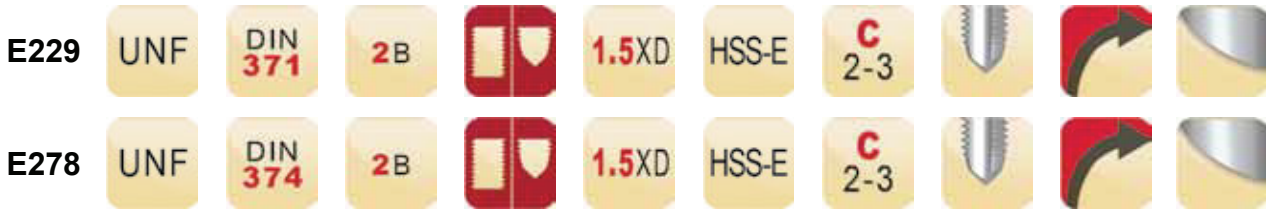
**E111**

E111 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3



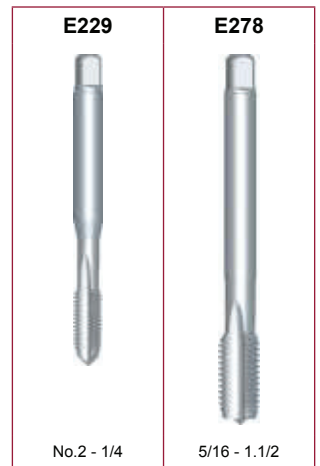
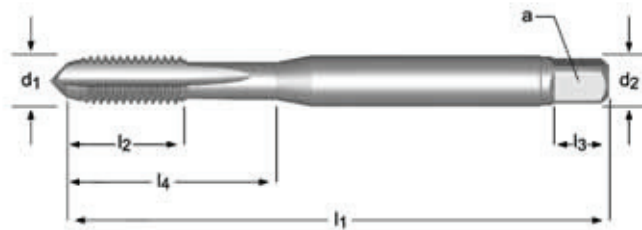
UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	z		E111
5	44	3.18	45	13	4.0	3.0	3	2.7	E1115-44NO3
5	44	3.18	45	13	4.0	3.0	3	2.7	E1115-44NO9
6	40	3.51	45	10	4.0	3.0	3	2.95	E1116-40NO3
6	40	3.51	45	10	4.0	3.0	3	2.95	E1116-40NO9
8	36	4.17	50	14	6.0	4.9	3	3.5	E1118-36NO3
8	36	4.17	50	14	6.0	4.9	3	3.5	E1118-36NO9
10	32	4.82	50	14	6.0	4.9	3	4.1	E11110-32NO3
10	32	4.82	50	14	6.0	4.9	3	4.1	E11110-32NO9
1/4	28	6.35	56	17	6.0	4.9	3	5.5	E1111/4NO3
1/4	28	6.35	56	17	6.0	4.9	3	5.5	E1111/4NO9
5/16	24	7.94	63	19	6.0	4.9	3	6.9	E1115/16NO3
5/16	24	7.94	63	19	6.0	4.9	3	6.9	E1115/16NO9
3/8	24	9.53	63	16	7.0	5.5	3	8.5	E1113/8NO3
3/8	24	9.53	63	16	7.0	5.5	3	8.5	E1113/8NO9
7/16	20	11.11	63	15	8.0	6.2	3	9.9	E1117/16NO3
7/16	20	11.11	63	15	8.0	6.2	3	9.9	E1117/16NO9
1/2	20	12.70	70	22	9.0	7.0	3	11.5	E1111/2NO3
1/2	20	12.70	70	22	9.0	7.0	3	11.5	E1111/2NO9
9/16	18	14.29	70	16	11.0	9.0	4	12.9	E1119/16NO3
9/16	18	14.29	70	16	11.0	9.0	4	12.9	E1119/16NO9
5/8	18	15.88	70	16	12.0	9.0	4	14.5	E1115/8NO3
5/8	18	15.88	70	16	12.0	9.0	4	14.5	E1115/8NO9
3/4	16	19.05	80	22	14.0	11.0	4	17.5	E1113/4NO3
3/4	16	19.05	80	22	14.0	11.0	4	17.5	E1113/4NO9
7/8	14	22.23	90	22	18.0	14.5	4	20.4	E1117/8NO3
7/8	14	22.23	90	22	18.0	14.5	4	20.4	E1117/8NO9
1"	12	25.40	90	22	20.0	16.0	4	23.25	E1111NO3
1"	12	25.40	90	22	20.0	16.0	4	23.25	E1111NO9

NO1  
NO9  
198



- E229**
- UNF 机用丝锥 直槽
  - UNF Macho Máquina Canal Reto
- E278**
- UNF Machos de máquina Estrías rectas
  - UNF Machine Tap Straight Flute

E229; E278 ■ 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2



UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔	l <sub>4</sub> mm	E229	E278
2	64	2.184	45	7	2.8	2.1	5	3	1.9	12	E2292-64	
3	56	2.515	50	8	2.8	2.1	5	3	2.15	12.5	E2293-56	
4	48	2.845	56	9	3.5	2.7	6	3	2.4	18	E2294-48	
5	44	3.175	56	10	3.5	2.7	6	3	2.7	18	E2295-44	
6	40	3.505	56	11	4.0	3.0	6	3	2.95	20	E2296-40	
8	36	4.166	63	12	4.5	3.4	6	3	3.5	21	E2298-36	
10	32	4.826	70	13	6.0	4.9	8	3	4.1	25	E22910-32	
12	28	5.486	80	15	6.0	4.9	8	3	4.7	30	E22912-28	
1/4	28	6.350	80	15	7.0	5.5	8	3	5.5	30	E2291/4	
5/16	24	7.94	90	18	6.0	4.9	8	3	6.9	-		E2785/16
3/8	24	9.53	100	24	7.0	5.5	8	3	8.5	-		E2783/8
7/16	20	11.11	100	22	9.0	7.0	10	3	9.9	-		E2787/16
1/2	20	12.70	100	21	9.0	7.0	10	3	11.5	-		E2781/2
9/16	18	14.29	100	21	11.0	9.0	12	4	12.9	-		E2789/16
5/8	18	15.88	100	21	12.0	9.0	12	4	14.5	-		E2785/8
3/4	16	19.05	125	25	14.0	11.0	14	4	17.5	-		E2783/4
7/8	14	22.23	140	28	18.0	14.5	17	4	20.4	-		E2787/8
1"	12	25.40	140	26	18.0	14.5	17	4	23.25	-		E2781
1.1/8	12	28.58	150	28	22.0	18.0	21	4	26.5	-		E2781.1/8
1.1/4	12	31.75	150	28	25.0	20.0	23	4	29.5	-		E2781.1/4
1.3/8	12	34.93	170	30	28.0	22.0	25	4	32.75	-		E2781.3/8
1.1/2	12	38.10	170	30	32.0	24.0	27	4	36.0	-		E2781.1/2

E524

UNF

ISO  
529

2B



1.5XD

HSS

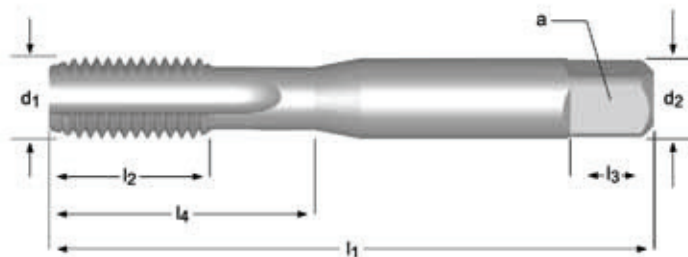


L120  
309

- UNF 机用丝锥 直槽
- UNF Macho Máquina Canal Reto
- UNF Machos de máquina Estrías rectas
- UNF Machine Tap Straight Flute

# E524

E524	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z	∠	l <sub>4</sub> mm	E524
0	80	1.524	41	7	2.50	2.00	4	2	1.25	7	E5240-80NO1
0	80	1.524	41	7	2.50	2.00	4	2	1.25	7	E5240-80NO2
0	80	1.524	41	7	2.50	2.00	4	2	1.25	7	E5240-80NO3
1	72	1.854	41	8	2.50	2.00	4	2	1.55	8	E5241-72NO1
1	72	1.854	41	8	2.50	2.00	4	2	1.55	8	E5241-72NO2
1	72	1.854	41	8	2.50	2.00	4	2	1.55	8	E5241-72NO3
2	64	2.184	44.5	9.5	2.80	2.24	5	3	1.9	9.5	E5242-64NO1
2	64	2.184	44.5	9.5	2.80	2.24	5	3	1.9	9.5	E5242-64NO2
2	64	2.184	44.5	9.5	2.80	2.24	5	3	1.9	9.5	E5242-64NO3
4	48	2.845	48	12.5	3.15	2.50	5	3	2.4	12.5	E5244-48NO1
4	48	2.845	48	12.5	3.15	2.50	5	3	2.4	12.5	E5244-48NO2
4	48	2.845	48	12.5	3.15	2.50	5	3	2.4	12.5	E5244-48NO3
5	44	3.175	48	12.5	3.15	2.50	5	3	2.7	12.5	E5245-44NO1
5	44	3.175	48	12.5	3.15	2.50	5	3	2.7	12.5	E5245-44NO2
5	44	3.175	48	12.5	3.15	2.50	5	3	2.7	12.5	E5245-44NO3
6	40	3.505	50	14	3.55	2.80	5	3	2.95	14	E5246-40NO1
6	40	3.505	50	14	3.55	2.80	5	3	2.95	14	E5246-40NO2
6	40	3.505	50	14	3.55	2.80	5	3	2.95	14	E5246-40NO3
8	36	4.166	53	9.5	4.50	3.55	6	3	3.5	17	E5248-36NO1
8	36	4.166	53	9.5	4.50	3.55	6	3	3.5	17	E5248-36NO2
8	36	4.166	53	9.5	4.50	3.55	6	3	3.5	17	E5248-36NO3
10	32	4.826	58	11	5.00	4.00	7	3	4.1	20	E52410-32NO1
10	32	4.826	58	11	5.00	4.00	7	3	4.1	20	E52410-32NO2
10	32	4.826	58	11	5.00	4.00	7	3	4.1	20	E52410-32NO3
10	32	4.826	58	11	5.00	4.00	7	3	4.1	20	E52410-32NO6
12	28	5.486	62	12	5.60	4.50	7	3	4.7	21	E52412-28NO1
12	28	5.486	62	12	5.60	4.50	7	3	4.7	21	E52412-28NO2
12	28	5.486	62	12	5.60	4.50	7	3	4.7	21	E52412-28NO3
12	28	5.486	62	12	5.60	4.50	7	3	4.7	21	E52412-28NO6
1/4	28	6.350	66	13	6.30	5.00	8	3	5.5	26	E5241/4NO1
1/4	28	6.350	66	13	6.30	5.00	8	3	5.5	26	E5241/4NO2
1/4	28	6.350	66	13	6.30	5.00	8	3	5.5	26	E5241/4NO3
1/4	28	6.350	66	13	6.30	5.00	8	3	5.5	26	E5241/4NO6
5/16	24	7.938	72	16	8.00	6.30	9	3	6.9	29	E5245/16NO1
5/16	24	7.938	72	16	8.00	6.30	9	3	6.9	29	E5245/16NO2
5/16	24	7.938	72	16	8.00	6.30	9	3	6.9	29	E5245/16NO3
5/16	24	7.938	72	16	8.00	6.30	9	3	6.9	29	E5245/16NO6
3/8	24	9.525	80	18	10.00	8.00	11	3	8.5	32	E5243/8NO1
3/8	24	9.525	80	18	10.00	8.00	11	3	8.5	32	E5243/8NO2
3/8	24	9.525	80	18	10.00	8.00	11	3	8.5	32	E5243/8NO3

NO1  
NO9  
198

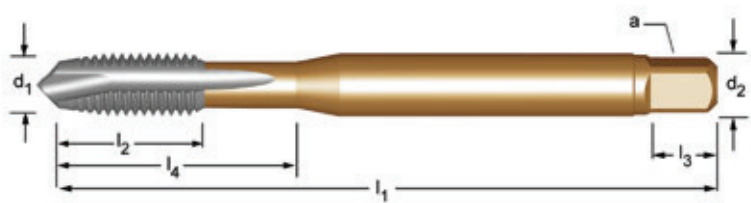
UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E524
3/8	24	9.525	80	18	10.00	8.00	11	3	8.5	32	E5243/8NO6
7/16	20	11.112	85	19	8.00	6.30	9	3	9.9	-	E5247/16NO1
7/16	20	11.112	85	19	8.00	6.30	9	3	9.9	-	E5247/16NO2
7/16	20	11.112	85	19	8.00	6.30	9	3	9.9	-	E5247/16NO3
7/16	20	11.112	85	19	8.00	6.30	9	3	9.9	-	E5247/16NO6
1/2	20	12.700	89	22	9.00	7.10	10	3	11.5	-	E5241/2NO1
1/2	20	12.700	89	22	9.00	7.10	10	3	11.5	-	E5241/2NO2
1/2	20	12.700	89	22	9.00	7.10	10	3	11.5	-	E5241/2NO3
1/2	20	12.700	89	22	9.00	7.10	10	3	11.5	-	E5241/2NO6
9/16	18	14.288	95	24	11.20	9.00	12	4	12.9	-	E5249/16NO1
9/16	18	14.288	95	24	11.20	9.00	12	4	12.9	-	E5249/16NO2
9/16	18	14.288	95	24	11.20	9.00	12	4	12.9	-	E5249/16NO3
9/16	18	14.288	95	24	11.20	9.00	12	4	12.9	-	E5249/16NO6
5/8	18	15.875	102	24	12.50	10.00	13	4	14.5	-	E5245/8NO1
5/8	18	15.875	102	24	12.50	10.00	13	4	14.5	-	E5245/8NO2
5/8	18	15.875	102	24	12.50	10.00	13	4	14.5	-	E5245/8NO3
5/8	18	15.875	102	24	12.50	10.00	13	4	14.5	-	E5245/8NO6
3/4	16	19.050	112	29	14.00	11.20	14	4	17.5	-	E5243/4NO1
3/4	16	19.050	112	29	14.00	11.20	14	4	17.5	-	E5243/4NO2
3/4	16	19.050	112	29	14.00	11.20	14	4	17.5	-	E5243/4NO3
3/4	16	19.050	112	29	14.00	11.20	14	4	17.5	-	E5243/4NO6
7/8	14	22.225	118	29	16.00	12.50	16	4	20.4	-	E5247/8NO1
7/8	14	22.225	118	29	16.00	12.50	16	4	20.4	-	E5247/8NO2
7/8	14	22.225	118	29	16.00	12.50	16	4	20.4	-	E5247/8NO3
7/8	14	22.225	118	29	16.00	12.50	16	4	20.4	-	E5247/8NO6
1"	12	25.400	130	35	18.00	14.00	18	4	23.25	-	E5241NO1
1"	12	25.400	130	35	18.00	14.00	18	4	23.25	-	E5241NO2
1"	12	25.400	130	35	18.00	14.00	18	4	23.25	-	E5241NO3
1"	12	25.400	130	35	18.00	14.00	18	4	23.25	-	E5241NO6
1.1/8	12	28.575	138	35	20.00	16.00	20	4	26.5	-	E5241.1/8NO1
1.1/8	12	28.575	138	35	20.00	16.00	20	4	26.5	-	E5241.1/8NO2
1.1/8	12	28.575	138	35	20.00	16.00	20	4	26.5	-	E5241.1/8NO3
1.1/4	12	31.750	151	41	22.40	18.00	22	4	29.5	-	E5241.1/4NO1
1.1/4	12	31.750	151	41	22.40	18.00	22	4	29.5	-	E5241.1/4NO2
1.1/4	12	31.750	151	41	22.40	18.00	22	4	29.5	-	E5241.1/4NO3
1.3/8	12	34.925	162	47	25.00	20.00	24	4	32.75	-	E5241.3/8NO1
1.3/8	12	34.925	162	47	25.00	20.00	24	4	32.75	-	E5241.3/8NO2
1.3/8	12	34.925	162	47	25.00	20.00	24	4	32.75	-	E5241.3/8NO3
1.1/2	12	38.100	170	47	28.00	22.40	26	4	36	-	E5241.1/2NO1
1.1/2	12	38.100	170	47	28.00	22.40	26	4	36	-	E5241.1/2NO2
1.1/2	12	38.100	170	47	28.00	22.40	26	4	36	-	E5241.1/2NO3

NO1  
NO9  
198



- EP30**
- UNF 机用丝锥 螺尖
  - UNF Macho Máquina Ponta Helicoidal
- EP31**
- UNF Machos de máquina Entrada en hélice
  - UNF Machine Tap Spiral Point

EP30	■	1.1	1.2	1.3	1.4	1.5	6.1	6.3	7.1	7.2	7.3	7.4
	•	1.6	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.2	8.1
EP31	■	1.1	1.2	1.3	1.4	1.5						
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4			



UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔	l <sub>4</sub> mm	EP30	EP31
8	36	4.166	63	12	4.5	3.4	8	3	3.5	21	EP308-36	EP318-36
10	32	4.826	70	13	6.0	4.9	8	3	4.1	25	EP3010-32	EP3110-32
1/4	28	6.350	80	15	7.0	5.5	8	3	5.5	30	EP301/4	EP311/4
5/16	24	7.938	90	18	8.0	6.2	9	3	6.9	35	EP305/16	EP315/16
3/8	24	9.525	100	20	10.0	8.0	11	3	8.5	39	EP303/8	EP313/8
7/16	20	11.112	100	20	8.0	6.2	9	3	9.9	-	EP307/16	EP317/16
1/2	20	12.700	110	23	9.0	7.0	10	3	11.5	-	EP301/2	EP311/2
5/8	18	15.875	110	25	12.0	9.0	12	3	14.5	-	EP305/8	EP315/8
3/4	16	19.050	125	30	14.0	11.0	14	4	17.5	-	EP303/4	EP313/4
7/8	14	22.225	140	34	18.0	14.5	17	4	20.4	-	EP307/8	EP317/8
1"	12	25.400	160	38	18.0	14.5	17	4	23.25	-	EP301	EP311

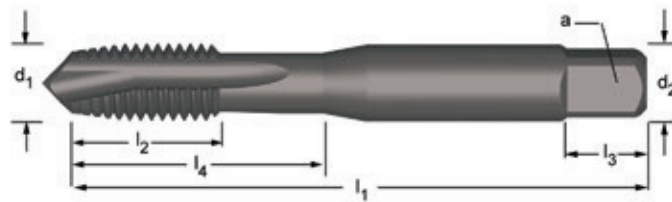
E031



- UNF 机用丝锥 螺尖
- UNF Macho Máquina Ponta Helicoidal
- UNF Machos de máquina Entrada en hélice
- UNF Machine Tap Spiral Point

## E031

E031	▪	1.1	1.2	1.3	1.4	1.5					
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4		

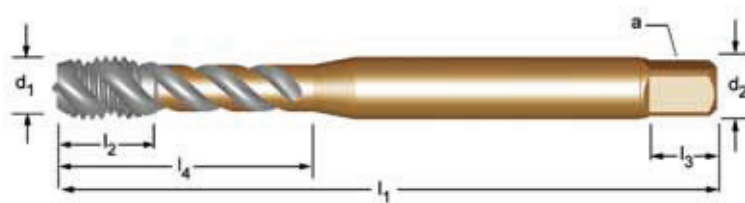


UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E031
8	36	4.166	53	9.5	4.5	3.55	6	3	3.50	17	E0318-36
10	32	4.826	58	11	5.0	4.00	7	3	4.10	20	E03110-32
1/4	28	6.350	66	13	6.3	5.00	8	3	5.50	26	E0311/4
5/16	24	7.938	72	16	8.0	6.30	9	3	6.90	29	E0315/16
3/8	24	9.525	80	18	10.0	8.00	11	3	8.50	32	E0313/8
7/16	20	11.112	85	19	8.0	6.30	9	3	9.90	-	E0317/16
1/2	20	12.700	89	22	9.0	7.10	10	3	11.50	-	E0311/2
9/16	18	14.288	95	24	11.2	9.00	12	3	12.90	-	E0319/16
5/8	18	15.875	102	24	12.5	10.00	13	3	14.50	-	E0315/8
3/4	16	19.050	112	29	14.0	11.20	14	4	17.50	-	E0313/4
7/8	14	22.225	118	29	16.0	12.50	16	4	20.40	-	E0317/8
1"	12	25.400	130	35	18.0	14.00	18	4	23.25	-	E0311



- EX30**
- UNF 机用丝锥 螺旋槽 45°
  - UNF Macho Máquina Canal Helicoidal 45°
- EX31**
- UNF Machos de máquina Estrías helicoidales a 45°
  - UNF Machine Tap Spiral Flute 45°

EX30	▪	1.1	1.2	1.3	1.4	1.5	7.1	7.2	7.3	7.4
	•	4.1	4.2	5.1	5.2					
EX31	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2		
	•	2.3								



UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	EX30	EX31
8	36	4.166	63	7	4.5	3.4	8	3	3.5	21	EX308-36	EX318-36
10	32	4.826	70	8	6.0	4.9	8	3	4.1	25	EX3010-32	EX3110-32
1/4	28	6.350	80	10	7.0	5.5	8	3	5.5	30	EX301/4	EX311/4
5/16	24	7.938	90	12	8.0	6.2	9	3	6.9	35	EX305/16	EX315/16
3/8	24	9.525	100	15	10.0	8.0	11	3	8.5	39	EX303/8	EX313/8
7/16	20	11.112	100	15	8.0	6.2	9	3	9.9	-	EX307/16	EX317/16
1/2	20	12.700	110	18	9.0	7.0	10	3	11.5	-	EX301/2	EX311/2
5/8	18	15.875	110	20	12.0	9.0	12	4	14.5	-	EX305/8	EX315/8
3/4	16	19.050	125	25	14.0	11.0	14	4	17.5	-	EX303/4	EX313/4
7/8	14	22.225	140	25	18.0	14.5	17	4	20.4	-	EX307/8	EX317/8
1"	12	25.400	160	30	18.0	14.5	17	4	23.25	-	EX301	EX311

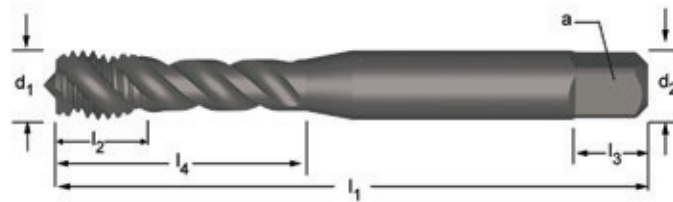
E033



- UNF 机用丝锥 螺旋槽 45°
- UNF Macho Máquina Canal Helicoidal 45°
- UNF Machos de máquina Estrías helicoidales a 45°
- UNF Machine Tap Spiral Flute 45°

## E033

E033	▪	1.1	1.2	1.3	1.4	1.5
	•	1.6	2.1	2.2	2.3	



UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E033
8	36	4.166	53	7	4.5	3.55	6	3	3.50	17	E0338-36
10	32	4.826	58	8	5.0	4.00	7	3	4.10	20	E03310-32
1/4	28	6.350	66	10	6.3	5.00	8	3	5.50	28	E0331/4
5/16	24	7.938	72	12	8.0	6.30	9	3	6.90	31	E0335/16
3/8	24	9.525	80	15	10.0	8.00	11	3	8.50	34	E0333/8
7/16	20	11.112	85	19	8.0	6.30	9	3	9.90	-	E0337/16
1/2	20	12.700	89	22	9.0	7.10	10	3	11.50	-	E0331/2
9/16	18	14.288	95	24	11.2	9.00	12	3	12.90	-	E0339/16
5/8	18	15.875	102	24	12.5	10.00	13	4	14.50	-	E0335/8
3/4	16	19.050	112	29	14.0	11.20	14	4	17.50	-	E0333/4
7/8	14	22.225	118	29	16.0	12.50	16	4	20.40	-	E0337/8
1"	12	25.400	130	35	18.0	14.00	18	4	23.25	-	E0331



E654

UNF



Medium



1.5XD

HSS

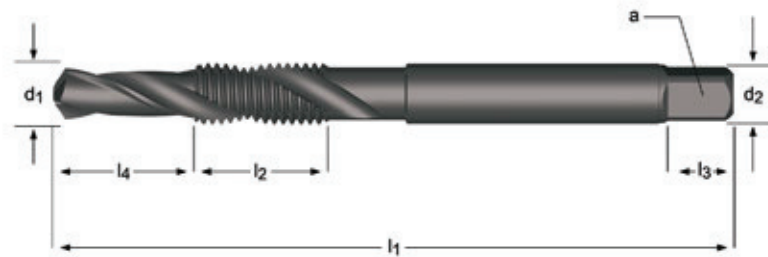
C  
2-3



- UNF 钻攻复合刀具 螺旋槽 30°
- UNF Broca-Macho Canal Helicoidal 30°
- UNF Combinación broca-macho Estrías helicoidales a 30°
- UNF Combi Taps Spiral Flute 30°

## E654

E654 • 1.1 1.2 1.3 1.4 3.2 6.2 6.3 7.1 7.2 8.1



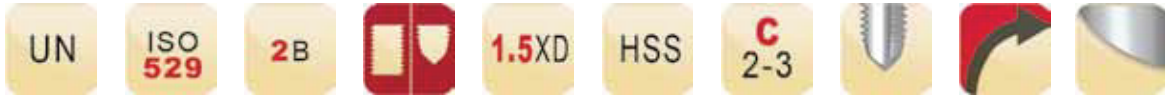
E654



No.8 - 5/8

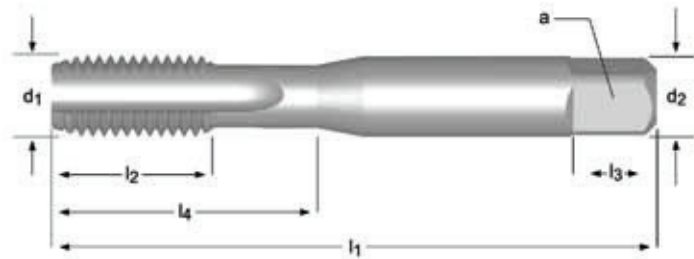
UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	E654
8	36	3.50	64	13	8	4.5	3.55	E6548-36
10	32	4.10	72	16	10	5.0	4.00	E65410-32
12	28	4.70	77	17	11	5.6	4.50	E65412-28
1/4	28	5.50	83	19	13	6.3	5.00	E6541/4
5/16	24	6.90	94	22	16	8.0	6.30	E6545/16
3/8	24	8.50	104	24	19	10.0	8.00	E6543/8
7/16	20	9.90	107	25	22	8.0	6.30	E6547/16
1/2	20	11.50	114	29	25	9.0	7.10	E6541/2
5/8	18	14.50	134	32	32	12.5	10.00	E6545/8

E570



- UN 机用丝锥 直槽
- UN Macho Máquina Canal Reto
- UN Machos de máquina Estrías rectas
- UN Machine Tap Straight Flute

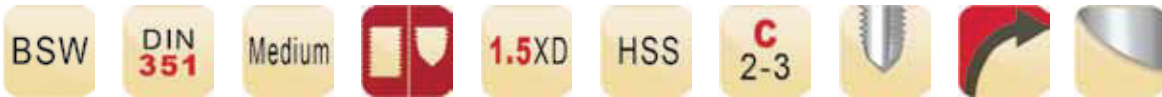
## E570



UN	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	z		l <sub>4</sub> mm	E570
1/4	32	6.350	66	13	6.3	5.00	3	5.6	26	E5701/4X32NO3
1/4	36	6.350	66	13	6.3	5.00	3	5.7	26	E5701/4X36NO3
1/4	40	6.350	66	13	6.3	5.00	3	5.7	26	E5701/4X40NO3
5/16	32	7.938	72	16	8.0	6.30	3	7.2	29	E5705/16X32NO3
3/8	32	9.525	80	18	10.0	8.00	3	8.8	32	E5703/8X32NO3
7/16	24	11.112	85	19	8.0	6.30	3	10	-	E5707/16X24NO3
7/16	28	11.112	85	19	8.0	6.30	3	10.2	-	E5707/16X28NO3
1/2	28	12.700	89	22	9.0	7.10	3	11.8	-	E5701/2X28NO3
9/16	24	14.288	95	24	11.2	9.00	4	13.25	-	E5709/16X24NO3
5/8	24	15.875	102	24	12.5	10.00	4	14.8	-	E5705/8X24NO3
3/4	20	19.050	112	29	14.0	11.20	4	17.8	-	E5703/4X20NO3
7/8	20	22.225	118	30	16.0	12.50	4	21	-	E5707/8X20NO3
1"	14	25.400	130	36	18.0	14.00	4	23.5	-	E5701X14NO3
1.1/16	12	26.988	127	37	20.0	16.00	4	24.75	-	E5701.1/16X12NO3
1.1/8	8	28.575	138	35	20.0	16.00	4	25.5	-	E5701.1/8X8NO3
1.3/16	12	30.163	137	37	22.4	18.00	4	28	-	E5701.3/16X12NO3
1.1/4	8	31.750	151	41	22.4	18.00	4	28.5	-	E5701.1/4X8NO3
1.5/16	12	33.338	137	37	22.4	18.00	4	31.25	-	E5701.5/16X12NO3

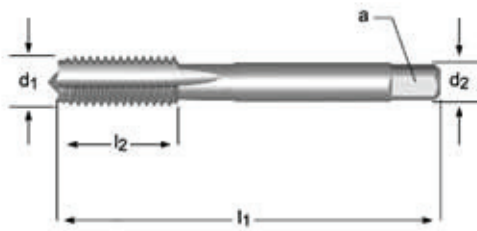


**E115**

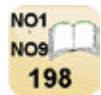


- BSW 手用丝锥 直槽
- BSW Macho Manual Canal Reto
- BSW Machos de mano Estrías rectas
- BSW Hand Tap Straight Flute

**E115**



BSW	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∇ a mm	z		E115
1/8	40	3.175	40	10	3.5	2.7	3	2.55	E1151/8NO3
1/8	40	3.175	40	10	3.5	2.7	3	2.55	E1151/8NO8
5/32	32	3.969	45	12	4.5	3.4	3	3.2	E1155/32NO3
5/32	32	3.969	45	12	4.5	3.4	3	3.2	E1155/32NO8
3/16	24	4.763	50	16	5.5	4.3	3	3.7	E1153/16NO3
3/16	24	4.763	50	16	5.5	4.3	3	3.7	E1153/16NO8
1/4	20	6.350	56	17	6.0	4.9	3	5.1	E1151/4NO3
1/4	20	6.350	56	17	6.0	4.9	3	5.1	E1151/4NO8
5/16	18	7.938	63	25	6.0	4.9	3	6.5	E1155/16NO3
5/16	18	7.938	63	25	6.0	4.9	3	6.5	E1155/16NO8
3/8	16	9.525	70	22	7.0	5.5	3	7.9	E1153/8NO3
3/8	16	9.525	70	22	7.0	5.5	3	7.9	E1153/8NO8
7/16	14	11.113	75	30	8.0	6.2	3	9.2	E1157/16NO3
7/16	14	11.113	75	30	8.0	6.2	3	9.2	E1157/16NO8
1/2	12	12.700	80	30	9.0	7.0	3	10.5	E1151/2NO3
1/2	12	12.700	80	30	9.0	7.0	3	10.5	E1151/2NO8
9/16	12	14.288	80	30	11.0	9.0	4	12	E1159/16NO3
9/16	12	14.288	80	30	11.0	9.0	4	12	E1159/16NO8
5/8	11	15.875	90	36	12.0	9.0	4	13.5	E1155/8NO3
5/8	11	15.875	90	36	12.0	9.0	4	13.5	E1155/8NO8
3/4	10	19.050	105	40	14.0	11.0	4	16.5	E1153/4NO3
3/4	10	19.050	105	40	14.0	11.0	4	16.5	E1153/4NO8
7/8	9	22.225	110	45	18.0	14.5	4	19.25	E1157/8NO3
7/8	9	22.225	110	45	18.0	14.5	4	19.25	E1157/8NO8
1"	8	25.400	110	50	20.0	16.0	4	22	E1151NO3
1"	8	25.400	110	50	20.0	16.0	4	22	E1151NO8



E531

BSW

ISO  
529

Medium



1.5XD

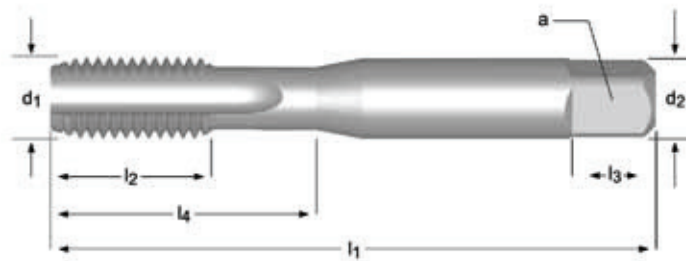
HSS



- BSW 机用丝锥 直槽
- BSW Macho Máquina Canal Reto
- BSW Machos de máquina Estrías rectas
- BSW Machine Tap Straight Flute


## E531

E531	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3
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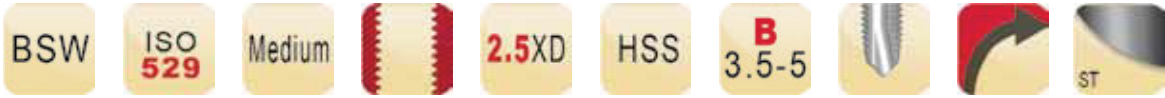
BSW	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	z	↔	l <sub>4</sub> mm	E531
1/8	40	3.175	48	12.5	3.15	2.50	3	2.55	12.5	E5311/8NO1
1/8	40	3.175	48	12.5	3.15	2.50	3	2.55	12.5	E5311/8NO2
1/8	40	3.175	48	12.5	3.15	2.50	3	2.55	12.5	E5311/8NO3
1/8	40	3.175	48	12.5	3.15	2.50	3	2.55	12.5	E5311/8NO6
5/32	32	3.969	53	14	4.00	3.15	3	3.2	14	E5315/32NO1
5/32	32	3.969	53	14	4.00	3.15	3	3.2	14	E5315/32NO2
5/32	32	3.969	53	14	4.00	3.15	3	3.2	14	E5315/32NO3
5/32	32	3.969	53	14	4.00	3.15	3	3.2	14	E5315/32NO6
3/16	24	4.763	58	11	5.00	4.00	3	3.7	20	E5313/16NO1
3/16	24	4.763	58	11	5.00	4.00	3	3.7	20	E5313/16NO2
3/16	24	4.763	58	11	5.00	4.00	3	3.7	20	E5313/16NO3
3/16	24	4.763	58	11	5.00	4.00	3	3.7	20	E5313/16NO6
1/4	20	6.350	66	13	6.30	5.00	3	5.1	26	E5311/4NO1
1/4	20	6.350	66	13	6.30	5.00	3	5.1	26	E5311/4NO2
1/4	20	6.350	66	13	6.30	5.00	3	5.1	26	E5311/4NO3
1/4	20	6.350	66	13	6.30	5.00	3	5.1	26	E5311/4NO6
5/16	18	7.938	72	16	8.00	6.30	3	6.5	29	E5315/16NO1
5/16	18	7.938	72	16	8.00	6.30	3	6.5	29	E5315/16NO2
5/16	18	7.938	72	16	8.00	6.30	3	6.5	29	E5315/16NO3
5/16	18	7.938	72	16	8.00	6.30	3	6.5	29	E5315/16NO6
3/8	16	9.525	80	18	10.00	8.00	3	7.9	32	E5313/8NO1
3/8	16	9.525	80	18	10.00	8.00	3	7.9	32	E5313/8NO2
3/8	16	9.525	80	18	10.00	8.00	3	7.9	32	E5313/8NO3
3/8	16	9.525	80	18	10.00	8.00	3	7.9	32	E5313/8NO6
7/16	14	11.112	85	19	8.00	6.30	3	9.2	-	E5317/16NO1
7/16	14	11.112	85	19	8.00	6.30	3	9.2	-	E5317/16NO2
7/16	14	11.112	85	19	8.00	6.30	3	9.2	-	E5317/16NO3
7/16	14	11.112	85	19	8.00	6.30	3	9.2	-	E5317/16NO6
1/2	12	12.700	89	22	9.00	7.10	3	10.5	-	E5311/2NO1
1/2	12	12.700	89	22	9.00	7.10	3	10.5	-	E5311/2NO2
1/2	12	12.700	89	22	9.00	7.10	3	10.5	-	E5311/2NO3
1/2	12	12.700	89	22	9.00	7.10	3	10.5	-	E5311/2NO6
5/8	11	15.875	102	24	12.50	10.00	4	13.5	-	E5315/8NO1
5/8	11	15.875	102	24	12.50	10.00	4	13.5	-	E5315/8NO2
5/8	11	15.875	102	24	12.50	10.00	4	13.5	-	E5315/8NO3
5/8	11	15.875	102	24	12.50	10.00	4	13.5	-	E5315/8NO6
3/4	10	19.050	112	29	14.00	11.20	4	16.5	-	E5313/4NO1
3/4	10	19.050	112	29	14.00	11.20	4	16.5	-	E5313/4NO2

NO1  
NO9  
198

BSW	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	z		l <sub>4</sub> mm	E531
3/4	10	19.050	112	29	14.00	11.20	4	16.5	-	E5313/4NO3
3/4	10	19.050	112	29	14.00	11.20	4	16.5	-	E5313/4NO6
1"	8	25.400	130	35	18.00	14.00	4	22	-	E5311NO1
1"	8	25.400	130	35	18.00	14.00	4	22	-	E5311NO2
1"	8	25.400	130	35	18.00	14.00	4	22	-	E5311NO3
1"	8	25.400	130	35	18.00	14.00	4	22	-	E5311NO6



E534



- BSW 机用丝锥 螺尖
- BSW Macho Máquina Ponta Helicoidal
- BSW Machos de máquina Entrada en hélice
- BSW Machine Tap Spiral Point

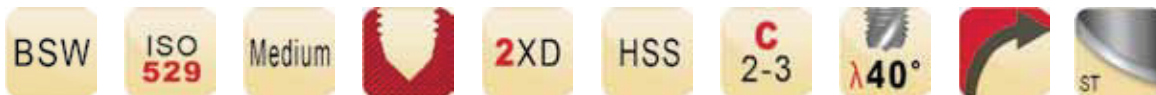
## E534

E534	▪	1.1	1.2	1.3	1.4	2.1	2.2	2.3					
	•	1.5	1.6	4.3	5.1	5.2	6.1	6.3	7.1	7.2	7.3	7.4	8.1



BSW	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	z		l <sub>4</sub> mm	E534
1/8	40	3.175	48	12.5	3.15	2.50	3	2.55	12.5	E5341/8
5/32	32	3.969	53	14	4.00	3.15	3	3.2	14	E5345/32
3/16	24	4.763	58	11	5.00	4.00	3	3.7	20	E5343/16
1/4	20	6.350	66	13	6.30	5.00	3	5.1	26	E5341/4
5/16	18	7.938	72	16	8.00	6.30	3	6.5	29	E5345/16
3/8	16	9.525	80	18	10.00	8.00	3	7.9	32	E5343/8
7/16	14	11.112	85	19	8.00	6.30	3	9.2	-	E5347/16
1/2	12	12.700	89	22	9.00	7.10	3	10.5	-	E5341/2
5/8	11	15.875	102	24	12.50	10.00	3	13.5	-	E5345/8
3/4	10	19.050	112	29	14.00	11.20	4	16.5	-	E5343/4

E533



- BSW 机用丝锥 螺旋槽 40°
- BSW Macho Máquina Canal Helicoidal 40°
- BSW Machos de máquina Estrías helicoidales a 40°
- BSW Machine Tap Spiral Flute 40°

## E533

E533

▪	1.2	1.3	1.4	2.1	2.2	2.3
•	1.5	5.2	7.1	7.2	7.3	7.4



E533



1/8 - 3/4

BSW	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	z		l <sub>4</sub> mm	E533
1/8	40	3.175	48	12.5	3.15	2.50	3	2.55	12.5	E5331/8 <sup>2)</sup>
1/8	40	3.175	48	12.5	3.15	2.50	3	2.55	12.5	E5331/8BLUE
3/16	24	4.763	58	11	5.00	4.00	3	3.7	20	E5333/16 <sup>2)</sup>
3/16	24	4.763	58	11	5.00	4.00	3	3.7	20	E5333/16BLUE
1/4	20	6.350	66	13	6.30	5.00	3	5.1	26	E5331/4 <sup>2)</sup>
1/4	20	6.350	66	13	6.30	5.00	3	5.1	26	E5331/4BLUE
5/16	18	7.938	72	16	8.00	6.30	3	6.5	31	E5335/16 <sup>2)</sup>
5/16	18	7.938	72	16	8.00	6.30	3	6.5	31	E5335/16BLUE
3/8	16	9.525	80	18	10.00	8.00	3	7.9	34	E5333/8 <sup>2)</sup>
3/8	16	9.525	80	18	10.00	8.00	3	7.9	34	E5333/8BLUE
1/2	12	12.700	89	22	9.00	7.10	3	10.5	-	E5331/2 <sup>2)</sup>
1/2	12	12.700	89	22	9.00	7.10	3	10.5	-	E5331/2BLUE
5/8	11	15.875	102	24	12.50	10.00	3	13.5	-	E5335/8 <sup>2)</sup>
5/8	11	15.875	102	24	12.50	10.00	3	13.5	-	E5335/8BLUE
3/4	10	19.050	112	29	14.00	11.20	3	16.5	-	E5333/4 <sup>2)</sup>
3/4	10	19.050	112	29	14.00	11.20	3	16.5	-	E5333/4BLUE

<sup>2)</sup> 光亮 / Brilhante / Brillante / Bright Finish

E536

BSF

ISO  
529

Medium



1.5XD

HSS



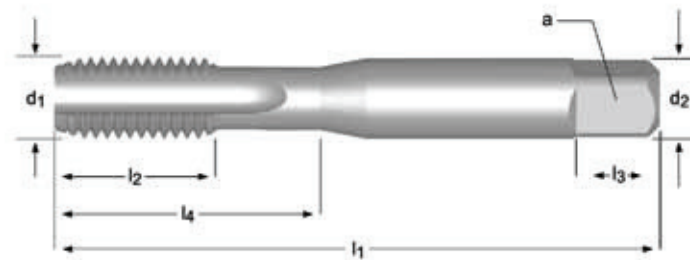
- BSF 机用丝锥 直槽
- BSF Macho Máquina Canal Reto
- BSF Machos de máquina Estrías rectas
- BSF Machine Tap Straight Flute

## E536

E536

6.1
1.1
1.2
1.3
1.4
1.5
1.6
2.1
2.2
2.3
3.1
3.2
3.3
3.4
6.2
6.3
6.4
7.2
7.3
7.4
8.2

8.3



E536



3/16 - 1"

BSF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	z		l <sub>4</sub> mm	E536
3/16	32	4.76	58	12	5.0	4.0	3	4	20	E5363/16NO1
3/16	32	4.76	58	12	5.0	4.0	3	4	20	E5363/16NO2
3/16	32	4.76	58	12	5.0	4.0	3	4	20	E5363/16NO3
3/16	32	4.76	58	12	5.0	4.0	3	4	20	E5363/16NO6
1/4	26	6.35	66	14	6.3	5.0	3	5.3	26	E5361/4NO1
1/4	26	6.35	66	14	6.3	5.0	3	5.3	26	E5361/4NO2
1/4	26	6.35	66	14	6.3	5.0	3	5.3	26	E5361/4NO3
1/4	26	6.35	66	14	6.3	5.0	3	5.3	26	E5361/4NO6
5/16	22	7.94	72	18	8.0	6.3	3	6.8	29	E5365/16NO1
5/16	22	7.94	72	18	8.0	6.3	3	6.8	29	E5365/16NO2
5/16	22	7.94	72	18	8.0	6.3	3	6.8	29	E5365/16NO3
5/16	22	7.94	72	18	8.0	6.3	3	6.8	29	E5365/16NO6
3/8	20	9.53	80	20	10.0	8.0	3	8.3	32	E5363/8NO1
3/8	20	9.53	80	20	10.0	8.0	3	8.3	32	E5363/8NO2
3/8	20	9.53	80	20	10.0	8.0	3	8.3	32	E5363/8NO3
3/8	20	9.53	80	20	10.0	8.0	3	8.3	32	E5363/8NO6
7/16	18	11.11	85	20	8.0	6.3	3	9.7	-	E5367/16NO1
7/16	18	11.11	85	20	8.0	6.3	3	9.7	-	E5367/16NO2
7/16	18	11.11	85	20	8.0	6.3	3	9.7	-	E5367/16NO3
1/2	16	12.70	89	23	9.0	7.1	3	11	-	E5361/2NO1
1/2	16	12.70	89	23	9.0	7.1	3	11	-	E5361/2NO2
1/2	16	12.70	89	23	9.0	7.1	3	11	-	E5361/2NO3
1/2	16	12.70	89	23	9.0	7.1	3	11	-	E5361/2NO6
9/16	16	14.28	95	25	11.2	9.0	4	12.7	-	E5369/16NO1
9/16	16	14.28	95	25	11.2	9.0	4	12.7	-	E5369/16NO2
9/16	16	14.28	95	25	11.2	9.0	4	12.7	-	E5369/16NO3
5/8	14	15.88	102	25	12.5	10.0	4	14	-	E5365/8NO1
5/8	14	15.88	102	25	12.5	10.0	4	14	-	E5365/8NO2
5/8	14	15.88	102	25	12.5	10.0	4	14	-	E5365/8NO3
3/4	12	19.05	112	30	14.0	11.2	4	17	-	E5363/4NO1
3/4	12	19.05	112	30	14.0	11.2	4	17	-	E5363/4NO2
3/4	12	19.05	112	30	14.0	11.2	4	17	-	E5363/4NO3
7/8	11	22.23	118	30	16.0	12.5	4	19.75	-	E5367/8NO1
7/8	11	22.23	118	30	16.0	12.5	4	19.75	-	E5367/8NO2
7/8	11	22.23	118	30	16.0	12.5	4	19.75	-	E5367/8NO3
7/8	11	22.23	118	30	16.0	12.5	4	19.75	-	E5367/8NO6
1"	10	25.40	130	36	18.0	14.0	4	22.75	-	E5361NO1
1"	10	25.40	130	36	18.0	14.0	4	22.75	-	E5361NO2
1"	10	25.40	130	36	18.0	14.0	4	22.75	-	E5361NO3



E539

BSF

ISO  
529

Medium



2.5XD

HSS

**B**  
3.5-5



- BSF 机用丝锥 螺尖
- BSF Macho Máquina Ponta Helicoidal
- BSF Machos de máquina Entrada en hélice
- BSF Machine Tap Spiral Point

# E539

E539	▪	1.1	1.2	1.3	1.4	2.1	2.2	2.3					
	•	1.5	1.6	4.3	5.1	5.2	6.1	6.3	7.1	7.2	7.3	7.4	8.1



BSF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	z		l <sub>4</sub> mm	E539
1/4	26	6.35	66	14	6.3	5.0	3	5.3	26	E5391/4
5/16	22	7.94	72	18	8.0	6.3	3	6.8	29	E5395/16
3/8	20	9.53	80	20	10.0	8.0	3	8.3	32	E5393/8
1/2	16	12.70	89	23	9.0	7.1	3	11	-	E5391/2

E538

BSF

ISO  
529

Medium



2XD

HSS

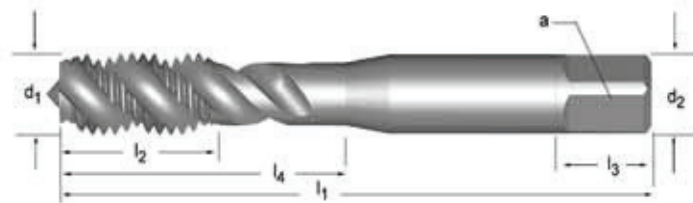
C  
2-3



- BSF 机用丝锥 螺旋槽 40°
- BSF Macho Máquina Canal Helicoidal 40°
- BSF Machos de máquina Estrías helicoidales a 40°
- BSF Machine Tap Spiral Flute 40°

## E538


E538	■	1.2	1.3	1.4	2.1	2.2	2.3
	•	1.5	5.2	7.1	7.2	7.3	7.4



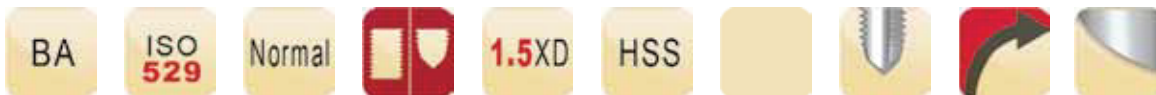
E538



1/4 - 1/2

BSF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	z		l <sub>4</sub> mm	E538
1/4	26	6.350	66	13	6.3	5.00	3	5.3	26	E5381/4 <sup>2)</sup>
1/4	26	6.350	66	13	6.3	5.00	3	5.3	26	E5381/4BLUE
5/16	22	7.938	72	16	8.0	6.30	3	6.8	31	E5385/16 <sup>2)</sup>
5/16	22	7.938	72	16	8.0	6.30	3	6.8	31	E5385/16BLUE
3/8	20	9.525	80	18	10.0	8.00	3	8.3	34	E5383/8 <sup>2)</sup>
3/8	20	9.525	80	18	10.0	8.00	3	8.3	34	E5383/8BLUE
1/2	16	12.700	89	22	9.0	7.10	3	11	-	E5381/2 <sup>2)</sup>
1/2	16	12.700	89	22	9.0	7.10	3	11	-	E5381/2BLUE

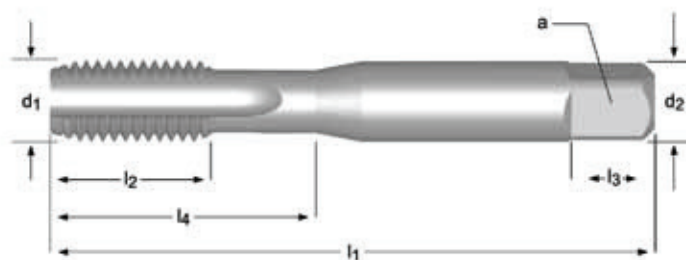
E542



- BA 机用丝锥 直槽
- BA Macho Máquina Canal Reto
- BA Machos de máquina Estrías rectas
- BA Machine Tap Straight Flute

**E542**

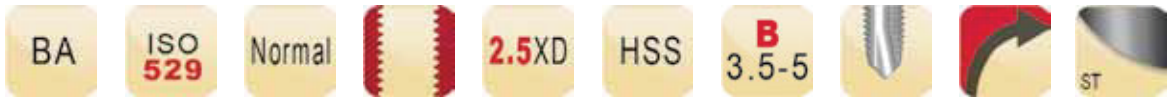
E542	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3
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BA	P mm	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E542
BA10	0.35	1.70	41	7.0	2.50	2.0	4	2	1.3	7	E542BA10NO1
BA10	0.35	1.70	41	7.0	2.50	2.0	4	2	1.3	7	E542BA10NO2
BA10	0.35	1.70	41	7.0	2.50	2.0	4	2	1.3	7	E542BA10NO3
BA10	0.35	1.70	41	7.0	2.50	2.0	4	2	1.3	7	E542BA10NO6
BA 8	0.43	2.20	44.5	9.5	2.80	2.2	5	3	1.8	9.5	E542BA8NO1
BA 8	0.43	2.20	44.5	9.5	2.80	2.2	5	3	1.8	9.5	E542BA8NO2
BA 8	0.43	2.20	44.5	9.5	2.80	2.2	5	3	1.8	9.5	E542BA8NO3
BA 8	0.43	2.20	44.5	9.5	2.80	2.2	5	3	1.8	9.5	E542BA8NO6
BA 6	0.53	2.80	44.5	9.5	2.80	2.2	5	3	2.3	9.5	E542BA6NO1
BA 6	0.53	2.80	44.5	9.5	2.80	2.2	5	3	2.3	9.5	E542BA6NO2
BA 6	0.53	2.80	44.5	9.5	2.80	2.2	5	3	2.3	9.5	E542BA6NO3
BA 6	0.53	2.80	44.5	9.5	2.80	2.2	5	3	2.3	9.5	E542BA6NO6
BA 5	0.59	3.20	48	14.5	3.15	2.5	5	3	2.65	14.5	E542BA5NO1
BA 5	0.59	3.20	48	14.5	3.15	2.5	5	3	2.65	14.5	E542BA5NO2
BA 5	0.59	3.20	48	14.5	3.15	2.5	5	3	2.65	14.5	E542BA5NO3
BA 5	0.59	3.20	48	14.5	3.15	2.5	5	3	2.65	14.5	E542BA5NO6
BA 4	0.66	3.60	50	16.5	3.55	2.8	5	3	3	16.5	E542BA4NO1
BA 4	0.66	3.60	50	16.5	3.55	2.8	5	3	3	16.5	E542BA4NO2
BA 4	0.66	3.60	50	16.5	3.55	2.8	5	3	3	16.5	E542BA4NO3
BA 4	0.66	3.60	50	16.5	3.55	2.8	5	3	3	16.5	E542BA4NO6
BA 3	0.73	4.10	53	10.0	4.50	3.5	6	3	3.4	17	E542BA3NO1
BA 3	0.73	4.10	53	10.0	4.50	3.5	6	3	3.4	17	E542BA3NO2
BA 3	0.73	4.10	53	10.0	4.50	3.5	6	3	3.4	17	E542BA3NO3
BA 3	0.73	4.10	53	10.0	4.50	3.5	6	3	3.4	17	E542BA3NO6
BA 2	0.81	4.70	58	12.0	5.00	4.0	7	3	4	20	E542BA2NO1
BA 2	0.81	4.70	58	12.0	5.00	4.0	7	3	4	20	E542BA2NO2
BA 2	0.81	4.70	58	12.0	5.00	4.0	7	3	4	20	E542BA2NO3
BA 2	0.81	4.70	58	12.0	5.00	4.0	7	3	4	20	E542BA2NO6
BA 0	1.00	6.00	66	14.0	6.30	5.0	8	3	5.1	26	E542BA0NO1
BA 0	1.00	6.00	66	14.0	6.30	5.0	8	3	5.1	26	E542BA0NO2
BA 0	1.00	6.00	66	14.0	6.30	5.0	8	3	5.1	26	E542BA0NO3
BA 0	1.00	6.00	66	14.0	6.30	5.0	8	3	5.1	26	E542BA0NO6



E545



- BA 机用丝锥 螺尖
- BA Macho Máquina Ponta Helicoidal
- BA Machos de máquina Entrada en hélice
- BA Machine Tap Spiral Point

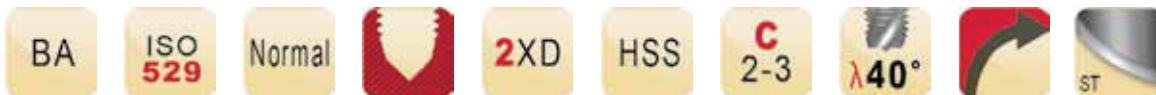
## E545

E545	▪	1.1	1.2	1.3	1.4										
	•	1.5	1.6	2.1	2.2	2.3	4.3	5.1	5.2	6.1	6.3	7.1	7.2	7.3	7.4



BA	P mm	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔	l <sub>4</sub> mm	E545
BA10	0.35	1.70	41	7.0	2.50	2.0	4	2	1.3	7	E545BA10
BA 8	0.43	2.20	44.5	9.5	2.80	2.2	5	3	1.8	9.5	E545BA8
BA 6	0.53	2.80	44.5	9.5	2.80	2.2	5	3	2.3	9.5	E545BA6
BA 4	0.66	3.60	50	16.5	3.55	2.8	5	3	3	16.5	E545BA4
BA 2	0.81	4.70	58	12.0	5.00	4.0	7	3	4	20	E545BA2

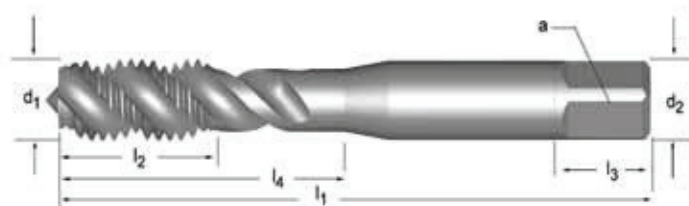
E544



- BA 机用丝锥 螺旋槽 40°
- BA Macho Máquina Canal Helicoidal 40°
- BA Machos de máquina Estrías helicoidales a 40°
- BA Machine Tap Spiral Flute 40°

## E544

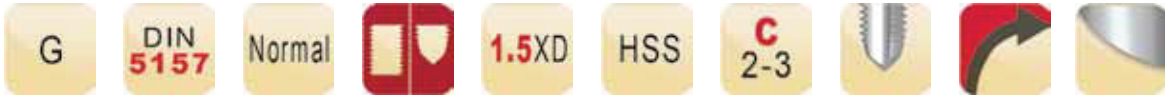
E544	■	1.2	1.3	1.4	2.1	2.2	2.3
	•	1.5	5.2	7.1	7.2	7.3	7.4



BA	P mm	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E544
BA 8	0.43	2.20	44.5	9.5	2.80	2.2	5	2	1.8	9.5	E544BA8 <sup>2)</sup>
BA 8	0.43	2.20	44.5	9.5	2.80	2.2	5	2	1.8	9.5	E544BA8BLUE
BA 6	0.53	2.80	44.5	9.5	2.80	2.2	5	2	2.3	9.5	E544BA6 <sup>2)</sup>
BA 6	0.53	2.80	44.5	9.5	2.80	2.2	5	2	2.3	9.5	E544BA6BLUE
BA 4	0.66	3.60	50	16.5	3.55	2.8	5	3	3	16.5	E544BA4 <sup>2)</sup>
BA 4	0.66	3.60	50	16.5	3.55	2.8	5	3	3	16.5	E544BA4BLUE
BA 2	0.81	4.70	58	12.0	5.00	4.0	7	3	4	20	E544BA2 <sup>2)</sup>
BA 2	0.81	4.70	58	12.0	5.00	4.0	7	3	4	20	E544BA2BLUE

<sup>2)</sup> 光亮 / Brilhante / Brillante / Bright Finish

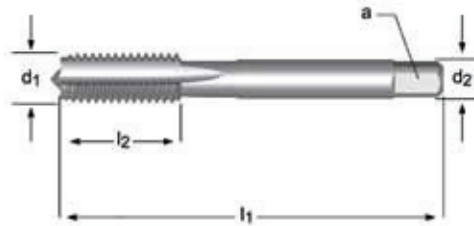
E119



- G(BSP) 手用丝锥 直槽
- G(BSP) Macho Manual Canal Reto
- G(BSP) Machos de mano Estrías rectas
- G(BSP) Hand Tap Straight Flute

E119

E119	•	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3
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G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	z		E119
1/8	28	9.73	63	15	7.0	5.5	3	8.8	E1191/8NO3
1/8	28	9.73	63	15	7.0	5.5	3	8.8	E1191/8NO9
1/4	19	13.16	70	16	11.0	9.0	4	11.8	E1191/4NO3
1/4	19	13.16	70	16	11.0	9.0	4	11.8	E1191/4NO9
3/8	19	16.66	70	16	12.0	9.0	4	15.25	E1193/8NO3
3/8	19	16.66	70	16	12.0	9.0	4	15.25	E1193/8NO9
1/2	14	20.96	80	18	16.0	12.0	4	19	E1191/2NO3
1/2	14	20.96	80	18	16.0	12.0	4	19	E1191/2NO9
5/8	14	22.91	80	22	18.0	14.5	4	21	E1195/8NO3
5/8	14	22.91	80	22	18.0	14.5	4	21	E1195/8NO9
3/4	14	26.44	90	22	20.0	16.0	4	24.5	E1193/4NO3
3/4	14	26.44	90	22	20.0	16.0	4	24.5	E1193/4NO9
7/8	14	30.20	90	22	22.0	18.0	6	28.25	E1197/8NO3
7/8	14	30.20	90	22	22.0	18.0	6	28.25	E1197/8NO9
1"	11	33.25	100	25	25.0	20.0	6	30.75	E1191NO3
1"	11	33.25	100	25	25.0	20.0	6	30.75	E1191NO9
1.1/8	11	37.90	125	40	28.0	22.0	6	35	E1191.1/8NO3
1.1/8	11	37.90	125	40	28.0	22.0	6	35	E1191.1/8NO9
1.1/4	11	41.91	125	40	32.0	24.0	6	39.5	E1191.1/4NO3
1.1/4	11	41.91	125	40	32.0	24.0	6	39.5	E1191.1/4NO9
1.1/2	11	47.80	140	40	36.0	29.0	6	45	E1191.1/2NO3
1.1/2	11	47.80	140	40	36.0	29.0	6	45	E1191.1/2NO9
1.3/4	11	53.75	140	40	40.0	32.0	6	51	E1191.3/4NO3
1.3/4	11	53.75	140	40	40.0	32.0	6	51	E1191.3/4NO9
2"	11	59.61	160	40	45.0	35.0	6	57	E1192NO3
2"	11	59.61	160	40	45.0	35.0	6	57	E1192NO9
2.1/4	11	65.71	160	40	50.0	39.0	6	63	E1192.1/4NO3
2.1/4	11	65.71	160	40	50.0	39.0	6	63	E1192.1/4NO9
2.1/2	11	75.18	160	40	50.0	39.0	6	72.5	E1192.1/2NO3
2.1/2	11	75.18	160	40	50.0	39.0	6	72.5	E1192.1/2NO9
2.3/4	11	81.53	160	40	50.0	39.0	8	79	E1192.3/4NO3
2.3/4	11	81.53	160	40	50.0	39.0	8	79	E1192.3/4NO9
3"	11	87.88	160	40	50.0	39.0	8	85.5	E1193NO3
3"	11	87.88	160	40	50.0	39.0	8	85.5	E1193NO9

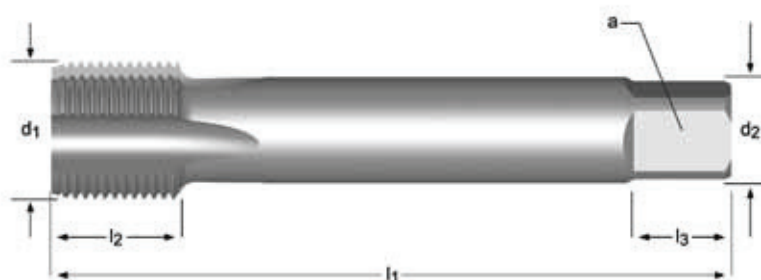
E282



- G(BSP) 机用丝锥 直槽
- G(BSP) Macho Máquina Canal Reto
- G(BSP) Machos de máquina Estrías rectas
- G(BSP) Machine Tap Straight Flute

## E282


E282 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2



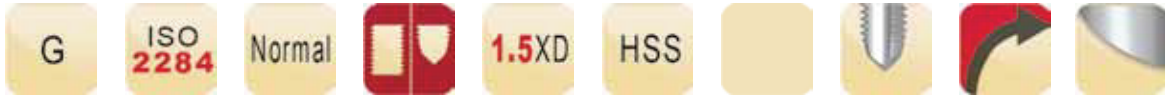
E282



1/8 - 1.1/2

G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		E282
1/8	28	9.73	90	20	7.0	5.5	8	3	8.8	E2821/8
1/4	19	13.16	100	21	11.0	9.0	12	4	11.8	E2821/4
3/8	19	16.66	100	21	12.0	9.0	12	4	15.25	E2823/8
1/2	14	20.96	125	24	16.0	12.0	15	4	19.0	E2821/2
5/8	14	22.91	125	25	18.0	14.5	17	4	21.0	E2825/8
3/4	14	26.44	140	28	20.0	16.0	19	4	24.5	E2823/4
7/8	14	30.20	150	28	22.0	18.0	21	4	28.25	E2827/8
1"	11	33.25	160	30	25.0	20.0	23	4	30.75	E2821
1.1/8	11	37.90	170	28	28.0	22.0	25	4	35.0	E2821.1/8
1.1/4	11	41.91	170	30	32.0	24.0	27	4	39.5	E2821.1/4
1.1/2	11	47.80	190	32	36.0	29.0	32	6	45.0	E2821.1/2

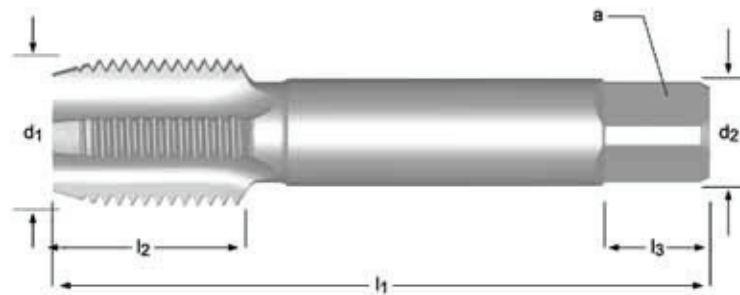
E547



- G(BSP) 机用丝锥 直槽
- G(BSP) Macho Máquina Canal Reto
- G(BSP) Machos de máquina Estrías rectas
- G(BSP) Machine Tap Straight Flute

## E547

E547	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3
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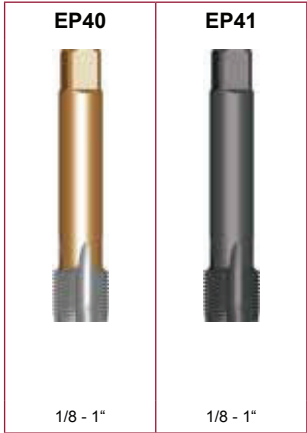
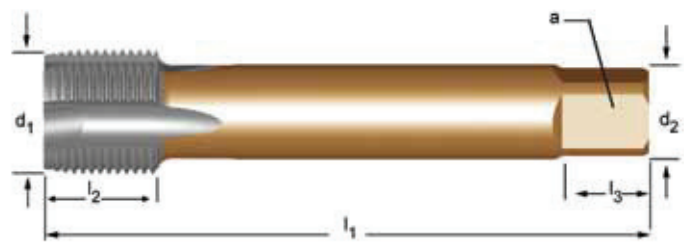
G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		E547
1/8	28	9.728	59	15	8.0	6.3	9	4	8.8	E5471/8NO1
1/8	28	9.728	59	15	8.0	6.3	9	4	8.8	E5471/8NO2
1/8	28	9.728	59	15	8.0	6.3	9	4	8.8	E5471/8NO3
1/8	28	9.728	59	15	8.0	6.3	9	4	8.8	E5471/8NO7
1/4	19	13.157	67	19	10.0	8.0	11	4	11.8	E5471/4NO1
1/4	19	13.157	67	19	10.0	8.0	11	4	11.8	E5471/4NO2
1/4	19	13.157	67	19	10.0	8.0	11	4	11.8	E5471/4NO3
1/4	19	13.157	67	19	10.0	8.0	11	4	11.8	E5471/4NO7
3/8	19	16.662	75	21	12.5	10.0	13	4	15.25	E5473/8NO1
3/8	19	16.662	75	21	12.5	10.0	13	4	15.25	E5473/8NO2
3/8	19	16.662	75	21	12.5	10.0	13	4	15.25	E5473/8NO3
3/8	19	16.662	75	21	12.5	10.0	13	4	15.25	E5473/8NO7
1/2	14	20.955	87	26	16.0	12.5	16	4	19	E5471/2NO1
1/2	14	20.955	87	26	16.0	12.5	16	4	19	E5471/2NO2
1/2	14	20.955	87	26	16.0	12.5	16	4	19	E5471/2NO3
1/2	14	20.955	87	26	16.0	12.5	16	4	19	E5471/2NO7
5/8	14	22.911	91	26	18.0	14.0	18	4	21	E5475/8NO1
5/8	14	22.911	91	26	18.0	14.0	18	4	21	E5475/8NO2
5/8	14	22.911	91	26	18.0	14.0	18	4	21	E5475/8NO3
5/8	14	22.911	91	26	18.0	14.0	18	4	21	E5475/8NO7
3/4	14	26.441	96	28	20.0	16.0	20	4	24.5	E5473/4NO1
3/4	14	26.441	96	28	20.0	16.0	20	4	24.5	E5473/4NO2
3/4	14	26.441	96	28	20.0	16.0	20	4	24.5	E5473/4NO3
3/4	14	26.441	96	28	20.0	16.0	20	4	24.5	E5473/4NO7
7/8	14	30.201	102	29	22.4	18.0	22	4	28.25	E5477/8NO1
7/8	14	30.201	102	29	22.4	18.0	22	4	28.25	E5477/8NO2
7/8	14	30.201	102	29	22.4	18.0	22	4	28.25	E5477/8NO3
1"	11	33.249	109	33	25.0	20.0	24	4	30.75	E5471NO1
1"	11	33.249	109	33	25.0	20.0	24	4	30.75	E5471NO2
1"	11	33.249	109	33	25.0	20.0	24	4	30.75	E5471NO3
1.1/4	11	41.910	119	36	31.5	25.0	28	6	39.5	E5471.1/4NO1
1.1/4	11	41.910	119	36	31.5	25.0	28	6	39.5	E5471.1/4NO2
1.1/4	11	41.910	119	36	31.5	25.0	28	6	39.5	E5471.1/4NO3
1.1/2	11	47.803	125	37	35.5	28.0	31	6	45	E5471.1/2NO1
1.1/2	11	47.803	125	37	35.5	28.0	31	6	45	E5471.1/2NO2
1.1/2	11	47.803	125	37	35.5	28.0	31	6	45	E5471.1/2NO3
2"	11	59.614	140	41	40.0	31.5	34	6	57	E5472NO1
2"	11	59.614	140	41	40.0	31.5	34	6	57	E5472NO2
2"	11	59.614	140	41	40.0	31.5	34	6	57	E5472NO3





- EP40**
- G(BSP) 机用丝锥 螺尖
  - G(BSP) Macho Máquina Ponta Helicoidal
- EP41**
- G(BSP) Machos de máquina Entrada en hélice
  - G(BSP) Machine Tap Spiral Point

EP40	▪	1.1	1.2	1.3	1.4	1.5	6.1	6.3	7.1	7.2	7.3	7.4
	•	1.6	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.2	8.1
EP41	▪	1.1	1.2	1.3	1.4	1.5						
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4			



G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		EP40	EP41
1/8	28	9.728	90	18	7.0	5.5	8	3	8.8	EP401/8	EP411/8
1/4	19	13.157	100	21	11.0	9.0	12	3	11.8	EP401/4	EP411/4
3/8	19	16.662	100	21	12.0	9.0	12	4	15.25	EP403/8	EP413/8
1/2	14	20.955	125	24	16.0	12.0	15	4	19	EP401/2	EP411/2
5/8	14	22.911	125	24	18.0	14.5	17	4	21	EP405/8	EP415/8
3/4	14	26.441	140	28	20.0	16.0	19	4	24.5	EP403/4	EP413/4
7/8	14	30.201	150	28	22.0	18.0	21	4	28.25	EP407/8	EP417/8
1"	11	33.249	160	30	25.0	20.0	23	4	30.75	EP401	EP411

E041



- G(BSP) 机用丝锥 螺尖
- G(BSP) Macho Máquina Ponta Helicoidal
- G(BSP) Machos de máquina Entrada en hélice
- G(BSP) Machine Tap Spiral Point

## E041

E041	▪	1.1	1.2	1.3	1.4	1.5				
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	

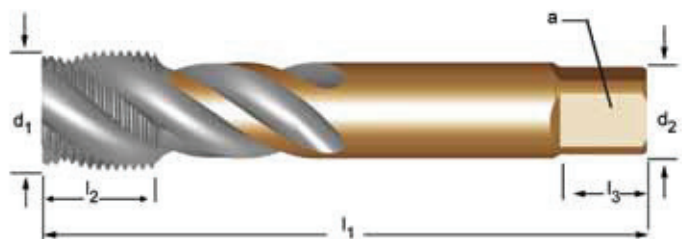


G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z		E041
1/8	28	9.728	90	15	8.0	6.3	9	3	8.80	E0411/8
1/4	19	13.157	100	19	10.0	8.0	11	3	11.80	E0411/4
3/8	19	16.662	100	21	12.5	10.0	13	3	15.25	E0413/8
1/2	14	20.955	125	26	16.0	12.5	16	4	19.00	E0411/2
3/4	14	26.441	140	28	20.0	16.0	20	4	24.50	E0413/4



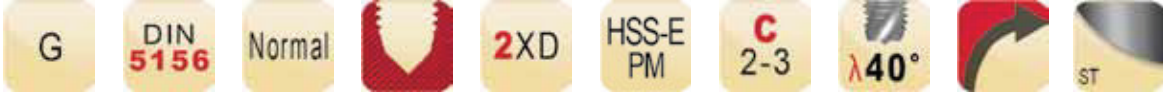
- EX40**
- G(BSP) 机用丝锥 螺旋槽 45°
  - G(BSP) Macho Máquina Canal Helicoidal 45°
- EX41**
- G(BSP) Machos de máquina Estrías helicoidales a 45°
  - G(BSP) Machine Tap Spiral Flute 45°

EX40	■	1.1	1.2	1.3	1.4	1.5	7.1	7.2	7.3	7.4
	•	4.1	4.2	5.1	5.2	8.1				
EX41	■	1.1	1.2	1.3	1.4	1.5	2.1	2.2		
	•	2.3								



G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	a mm	l <sub>3</sub> mm	z		EX40	EX41
1/8	28	9.728	90	13	7.0	5.5	8	3	8.8	EX401/8	EX411/8
1/4	19	13.157	100	15	11.0	9.0	12	3	11.8	EX401/4	EX411/4
3/8	19	16.662	100	15	12.0	9.0	12	4	15.25	EX403/8	EX413/8
1/2	14	20.955	125	18	16.0	12.0	15	4	19	EX401/2	EX411/2
5/8	14	22.911	125	18	18.0	14.5	17	4	21	EX405/8	EX415/8
3/4	14	26.441	140	20	20.0	16.0	19	4	24.5	EX403/4	EX413/4
7/8	14	30.201	150	20	22.0	18.0	21	4	28.25	EX407/8	EX417/8
1"	11	33.249	160	22	25.0	20.0	23	4	30.75	EX401	EX411
1.1/8	11	37.897	170	22	28.0	22.0	25	4	35	EX401.1/8	EX411.1/8
1.1/4	11	41.910	170	22	32.0	24.0	27	4	39.5	EX401.1/4	EX411.1/4
1.1/2	11	47.803	190	23	36.0	29.0	32	4	45	EX401.1/2	EX411.1/2

E382

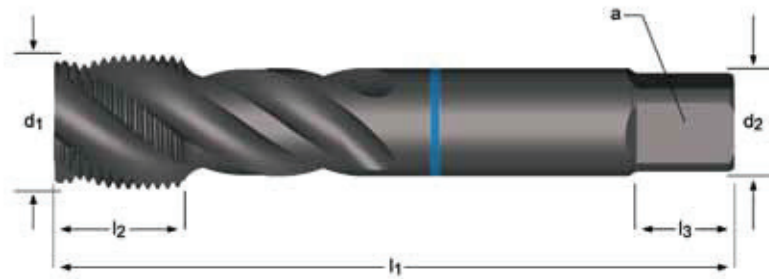


**E382**

- G (BSP) 机用螺旋槽40°丝锥，蓝圈鲨鱼丝锥
- G(BSP) Macho Máquina Canal Helicoidal 40° Shark - Anel Azul
- G(BSP) Macho de máquina helicoidal 40° Shark (Anillo Azul)
- G(BPS) Machine Tap Spiral Flute 40°, Blue Shark

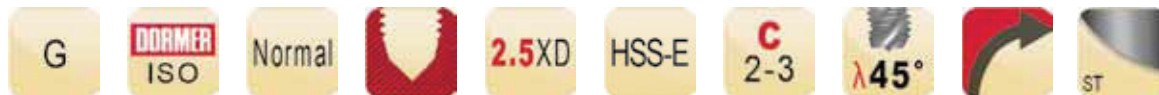
提供HSS-E，直到新的可用库存  
 Fornecido em HSS-E até disponibilidade do novo estoque  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Supplied in HSS-E until new stock available

E382	▪	2.1	2.2	2.3
	•	1.5	1.6	



G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		E382
1/8	28	9.73	90	12	7.0	5.5	8	3.0	8.8	E3821/8
1/4	19	13.16	100	15	11.0	9.0	12	4.0	11.8	E3821/4
3/8	19	16.66	100	15	12.0	9.0	12	4.0	15.25	E3823/8
1/2	14	20.96	125	24	16.0	12.0	15	4.0	19.0	E3821/2
3/4	14	26.44	140	20	20.0	16.0	19	4.0	24.5	E3823/4
1"	11	33.25	160	24	25.0	20.0	23	4.0	30.75	E3821

E043



- G(BSP) 机用丝锥 螺旋槽 45°
- G(BSP) Macho Máquina Canal Helicoidal 45°
- G(BSP) Machos de máquina Estrías helicoidales a 45°
- G(BSP) Machine Tap Spiral Flute 45°

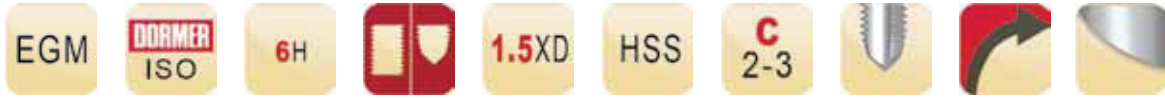
# E043

E043	■	1.1	1.2	1.3	1.4	1.5
	•	1.6	2.1	2.2	2.3	



G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		E043
1/8	28	9.728	90	15	8.0	6.3	9	3	8.80	E0431/8
1/4	19	13.157	100	19	10.0	8.0	11	3	11.80	E0431/4
3/8	19	16.662	100	21	12.5	10.0	13	4	15.25	E0433/8
1/2	14	20.955	125	26	16.0	12.5	16	4	19.00	E0431/2
3/4	14	26.441	140	28	20.0	16.0	20	4	24.50	E0433/4

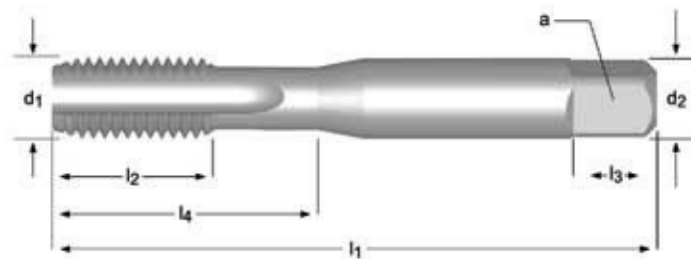
E620



- EGM 机用丝锥 直槽
- EGM Macho Máquina Canal Reto
- EGM Machos de máquina Estrías rectas
- EGM Machine Tap Straight Flute

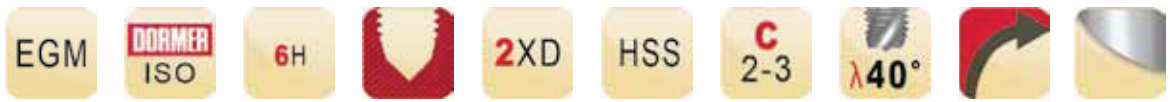
## E620

E620	•	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.2	7.3	7.4	8.2	8.3
------	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



M	P mm	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E620
3	0.50	3.65	53	14	4.0	3.15	6	3	3.2	14	E620M3
4	0.70	4.91	58	11	5.0	4.00	7	3	4.2	20	E620M4
5	0.80	6.04	66	13	6.3	5.00	8	3	5.2	26	E620M5
6	1.00	7.30	72	16	8.0	6.30	9	3	6.3	29	E620M6
8	1.25	9.62	80	18	10.0	8.00	11	3	8.4	32	E620M8
10	1.50	11.95	89	22	9.0	7.10	10	3	10.5	-	E620M10
12	1.75	14.27	95	24	11.2	9.00	12	4	12.5	-	E620M12
14	2.00	16.60	112	29	14.0	11.20	14	4	14.5	-	E620M14
16	2.00	18.60	112	29	14.0	11.20	14	4	16.5	-	E620M16

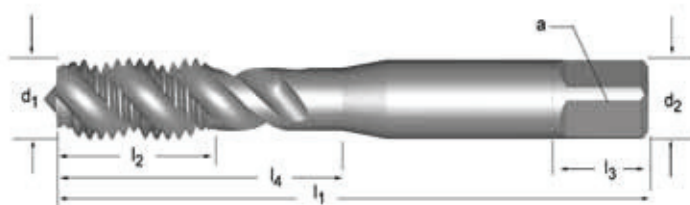
E621



- EGM 机用丝锥 螺旋槽 40°
- EGM Macho Máquina Canal Helicoidal 40°
- EGM Machos de máquina Estrías helicoidales a 40°
- EGM Machine Tap Spiral Flute 40°

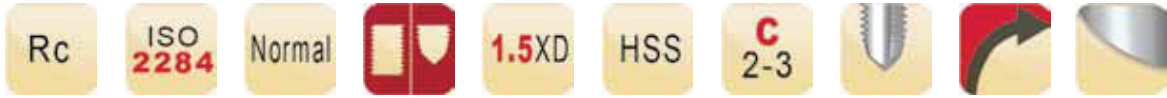
## E621

E621 • 1.2 1.3 1.4 1.5 2.1 2.2 2.3 5.2 7.1 7.2 7.3 7.4



M	P mm	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E621
3	0.50	3.65	53	14	4.0	3.15	6	3	3.2	14	E621M3
4	0.70	4.91	58	11	5.0	4.00	7	3	4.2	20	E621M4
5	0.80	6.04	66	13	6.3	5.00	8	3	5.2	26	E621M5
6	1.00	7.30	72	16	8.0	6.30	9	3	6.3	31	E621M6
8	1.25	9.62	80	18	10.0	8.00	11	3	8.4	34	E621M8
10	1.50	11.95	89	22	9.0	7.10	10	3	10.5	-	E621M10
12	1.75	14.27	95	24	11.2	9.00	12	3	12.5	-	E621M12
14	2.00	16.60	112	29	14.0	11.20	14	3	14.5	-	E621M14
16	2.00	18.60	112	29	14.0	11.20	14	3	16.5	-	E621M16

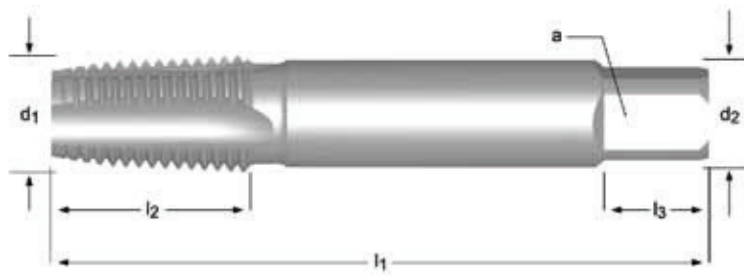
E550



- Rc 机用丝锥 直槽
- Rc Macho Máquina Canal Reto
- Rc Machos de máquina Estrías rectas
- Rc Machine Tap Straight Flute

## E550

E550	▪	3.1	3.2	3.3	3.4	6.1											
	•	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	6.2	6.3	6.4	7.2	7.3	7.4	8.2



Rc	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		E550
1/8	28	9.728	59	15	8.0	6.3	9	3	8.4	E5501/8
1/8	28	9.728	59	15	8.0	6.3	9	3	8.4	E5501/8NO7
1/4	19	13.157	67	19	10.0	8.0	11	3	11.2	E5501/4
1/4	19	13.157	67	19	10.0	8.0	11	3	11.2	E5501/4NO7
3/8	19	16.662	75	21	12.5	10.0	13	3	14.75	E5503/8
3/8	19	16.662	75	21	12.5	10.0	13	3	14.75	E5503/8NO7
1/2	14	20.955	87	26	16.0	12.5	16	5	18.25	E5501/2
1/2	14	20.955	87	26	16.0	12.5	16	5	18.25	E5501/2NO7
3/4	14	26.441	96	28	20.0	16.0	20	5	23.75	E5503/4
3/4	14	26.441	96	28	20.0	16.0	20	5	23.75	E5503/4NO7
1"	11	33.249	109	33	25.0	20.0	24	5	30	E5501
1.1/4	11	41.910	119	36	31.5	25.0	28	5	38.5	E5501.1/4
1.1/2	11	47.803	125	37	35.5	28.0	31	7	44.5	E5501.1/2
2"	11	59.614	140	41	40.0	31.5	34	7	56	E5502





E714

NPT



Normal



1.5XD

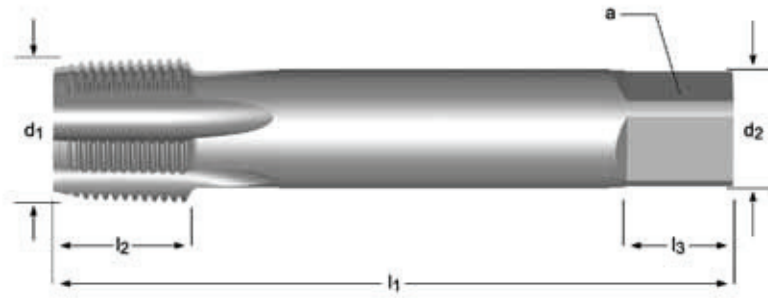
HSS-E



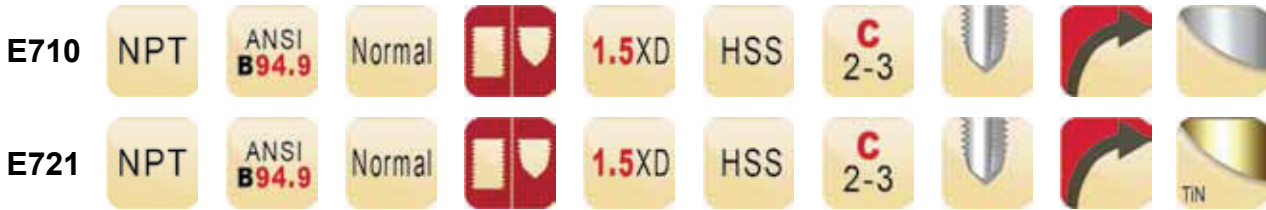
- NPT 机用丝锥 直槽
- NPT Macho Máquina Canal Reto
- NPT Machos de máquina Estrías rectas
- NPT Machine Tap Straight Flute

**E714**

E714	▪	1.3	1.4								
	•	1.1	1.2	1.5	3.1	3.2	3.3	3.4	6.2	7.3	7.4

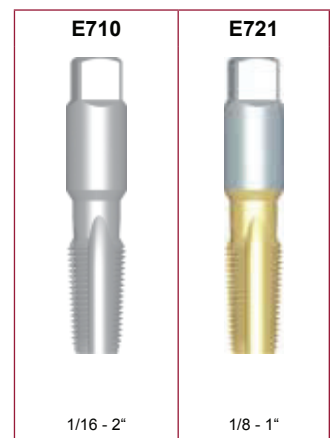
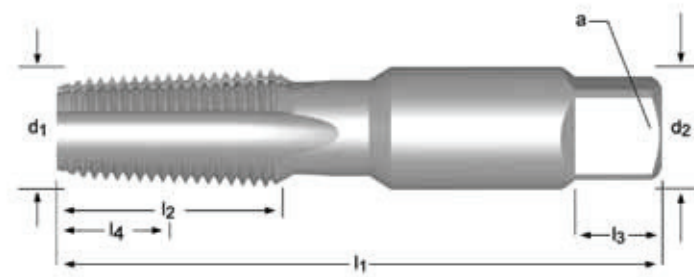


NPT	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z		E714
1/8	27	10.23	90	14	11.0	9.0	12	3	8.5	E7141/8
1/4	18	13.60	100	20	14.0	11.0	14	3	11	E7141/4
3/8	18	17.04	110	20	16.0	12.0	15	4	14.5	E7143/8
1/2	14	21.20	125	26	18.0	14.5	17	4	18	E7141/2
3/4	14	26.54	140	26	22.0	18.0	21	5	23	E7143/4
1"	11.5	33.20	150	31	28.0	22.0	25	5	29	E7141



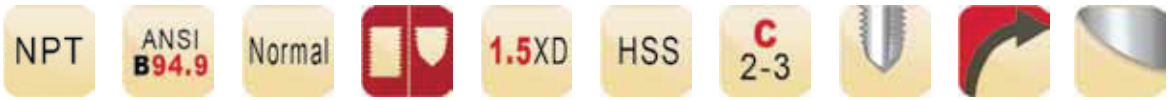
- E710**
- NPT 机用丝锥 直槽
  - NPT Macho Máquina Canal Reto
- E721**
- NPT Machos de máquina Estrías rectas
  - NPT Machine Tap Straight Flute

<b>E710</b>	•	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	6.2	7.3	7.4	8.1
<b>E721</b>	▪	1.3	1.4	3.1	3.2	3.3	3.4							
	•	1.1	1.2	1.5	6.2	7.3	7.4	8.1						



NPT	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		E710	E721
1/16	27	7.94	65	17	11.7	8.1	6.0	8	4	6.3	E7101/16NO3	
1/8	27	10.29	70	19	11.9	11.1	8.3	10	4	8.5	E7101/8	E7211/8
1/8	27	10.29	70	19	11.9	11.1	8.3	10	4	8.5	E7101/8NO7	
1/4	18	13.72	75	27	17.6	14.3	10.7	11	4	11.0	E7101/4	E7211/4
1/4	18	13.72	75	27	17.6	14.3	10.7	11	4	11.0	E7101/4NO7	
3/8	18	17.15	80	27	19.5	17.8	13.5	13	4	14.5	E7103/8	E7213/8
3/8	18	17.15	80	27	19.5	17.8	13.5	13	4	14.5	E7103/8NO7	
1/2	14	21.34	100	35	22.7	17.5	13.1	16	4	18.0	E7101/2	E7211/2
1/2	14	21.34	100	35	22.7	17.5	13.1	16	4	18.0	E7101/2NO7	
3/4	14	26.67	105	35	24.4	23.0	17.2	17	5	23.0	E7103/4	E7213/4
3/4	14	26.67	105	35	24.4	23.0	17.2	17	5	23.0	E7103/4NO7	
1"	11.5	33.40	115	43	29.4	28.6	21.4	21	5	29.0	E7101	E7211
1.1/4	11.5	42.16	125	43	27.7	33.3	25.0	24	5	38.0	E7101.1/4	
1.1/2	11.5	48.26	135	43	28.9	38.1	28.6	25	7	44.0	E7101.1/2	
2"	11.5	60.33	145	43	26.6	47.6	35.7	29	7	56.0	E7102	

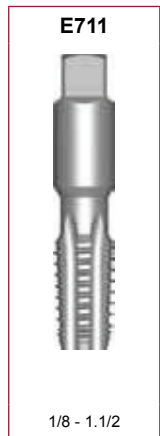
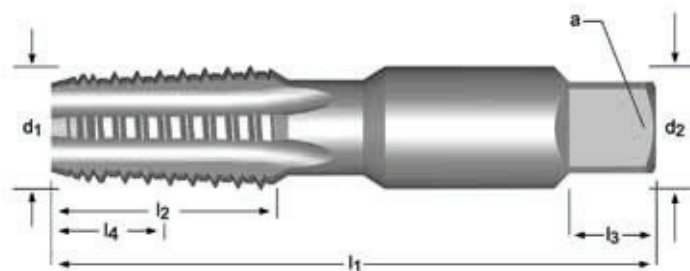
E711



- NPT 跳牙机用丝锥 直槽
- NPT Macho Máquina, Rosca Interrompida Canal Reto
- NPT Machos de máquina, dientes alternos Estrías rectas
- NPT Machine Tap, Interrupted Threads Straight Flute

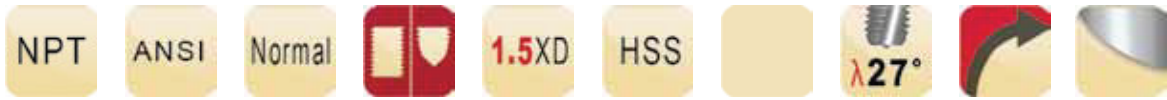
**E711**

E711	▪	1.3	1.4									
	•	1.1	1.2	1.5	3.1	3.2	3.3	3.4	6.2	7.3	7.4	8.1



NPT	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> Ø mm	∇ a mm	l <sub>3</sub> mm	z		E711
1/8	27	10.29	70	19	11.9	11.1	8.3	10	5	8.5	E7111/8
1/4	18	13.72	75	27	17.6	14.3	10.7	11	5	11.0	E7111/4
3/8	18	17.15	80	27	19.5	17.8	13.5	13	5	14.5	E7113/8
1/2	14	21.33	100	35	22.7	17.5	13.1	16	5	18.0	E7111/2
3/4	14	26.67	105	35	24.4	23.0	17.2	17	5	23.0	E7113/4
1"	11.5	33.40	115	43	29.4	28.6	21.4	21	5	29.0	E71111
1.1/2	11.5	48.26	135	43	28.9	38.1	28.6	25	7	44.0	E7111.1/2

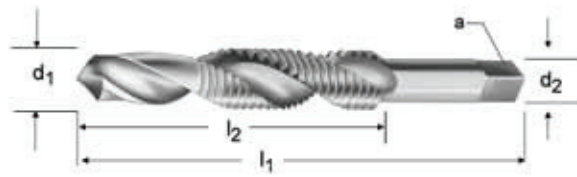
E653



- NPT 钻攻复合刀具 螺旋槽 27°
- NPT Broca-Macho Canal Helicoidal 27°
- NPT Combinación broca-macho Estrías helicoidales a 27°
- NPT Combi Taps Spiral Flute 27°

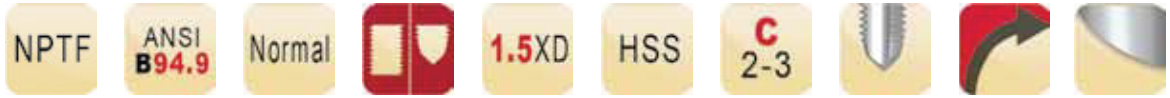
## E653

E653 • 1.1 1.2 1.3 1.4 3.2 6.2 6.3 7.1 7.2 8.1



NPT	TPI	d <sub>1</sub> nom Inch	l <sub>1</sub> Inch	l <sub>2</sub> Inch	d <sub>2</sub> ∅ Inch	□ a Inch	z	E653
1/8	27	0.3346	2.7/8	3/4	0.4370	0.3280	2	E6531/8
1/4	18	0.4331	3.5/16	1.1/16	0.5620	0.4210	2	E6531/4
3/8	18	0.5709	3.1/2	1.1/16	0.7000	0.5310	2	E6533/8
1/2	14	0.7087	4.3/8	1.3/8	0.6870	0.5150	2	E6531/2
3/4	14	0.9055	4.9/16	1.3/8	0.9060	0.6790	2	E6533/4
1"	11.5	1.1417	5.3/8	1.3/4	1.1250	0.8430	2	E6531

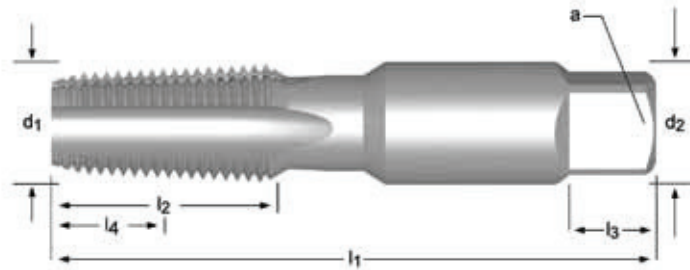
E712



- NPTF 机用丝锥 直槽
- NPTF Macho Máquina Canal Reto
- NPTF Machos de máquina Estrías rectas
- NPTF Machine Tap Straight Flute

**E712**

E712 ■ 1.3 1.4  
 • 1.1 1.2 1.5 3.1 3.2 3.3 3.4 6.2 7.3 7.4 8.1

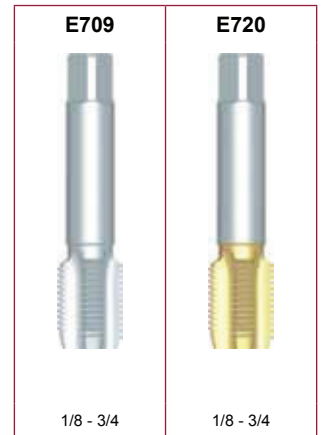
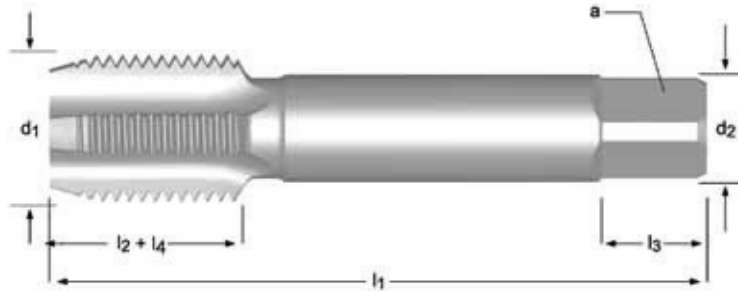


NPTF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔	E712
1/16	27	7.94	65	17	11.7	8.1	6.0	8	4	6.20	E7121/16
1/8	27	10.29	70	19	11.9	11.1	8.3	10	4	8.40	E7121/8
1/4	18	13.72	75	27	17.6	14.3	10.7	11	4	10.90	E7121/4
3/8	18	17.15	80	27	19.5	17.8	13.5	13	4	14.25	E7123/8
1/2	14	21.34	100	35	22.7	17.5	13.1	16	4	17.75	E7121/2
3/4	14	26.67	105	35	24.4	23.0	17.2	17	5	23.00	E7123/4
1"	11.5	33.40	115	43	29.4	28.6	21.4	21	5	29.00	E7121
1.1/4	11.5	42.16	125	43	27.7	33.4	24.9	23	5	37.75	E7121.1/4



- E709**
- NPSF 机用丝锥 直槽
  - NPSF Macho Máquina Canal Reto
- E720**
- NPSF Machos de máquina Estrías rectas
  - NPSF Machine Tap Straight Flute

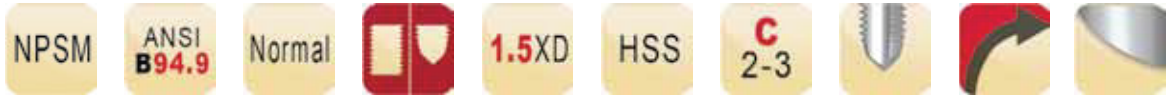
E709	▪	1.3	1.4									
	•	1.1	1.2	1.5	3.1	3.2	3.3	3.4	6.2	7.3	7.4	8.1
E720	▪	1.3	1.4	3.1	3.2	3.3	3.4					
	•	1.1	1.2	1.5	6.2	7.3	7.4	8.1				



NPSF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔	E709	E720
1/8	27	10.29	70	19	19	11.1	8.3	10	4	8.70	E7091/8	E7201/8NO3
1/4	18	13.72	75	27	27	14.3	10.7	11	4	11.30	E7091/4	E7201/4NO3
3/8	18	17.15	80	27	27	17.8	13.5	13	4	14.75	E7093/8	E7203/8NO3
1/2	14	21.34	100	35	-	17.5	13.1	16	4	18.25	E7091/2	E7201/2NO3
3/4	14	26.67	105	35	-	23.0	17.2	17	5	23.50	E7093/4	E7203/4NO3



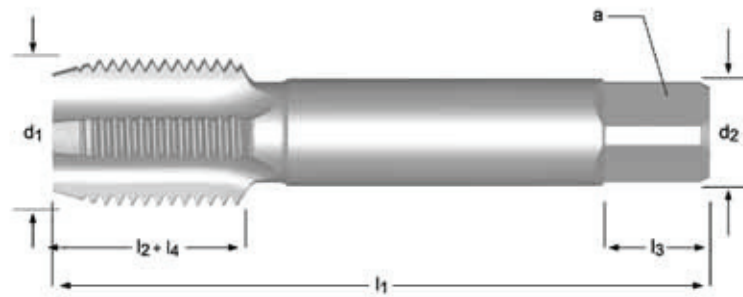
E708



- NPSM 机用丝锥 直槽
- NPSM Macho Máquina Canal Reto
- NPSM Machos de máquina Estrías rectas
- NPSM Machine Tap Straight Flute

# E708

E708	▪	1.3	1.4									
	•	1.1	1.2	1.5	3.1	3.2	3.3	3.4	6.2	7.3	7.4	8.1



NPSM	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> Ø mm	∇ a mm	l <sub>3</sub> mm	z		E708
1/8	27	10.29	70	19	19	11.1	8.3	10	4	9.1	E7081/8
1/4	18	13.72	75	27	27	14.3	10.7	11	4	12.0	E7081/4
3/8	18	17.15	80	27	27	17.8	13.5	13	4	15.5	E7083/8
1/2	14	21.33	100	35	-	17.5	13.1	16	4	19.0	E7081/2
3/4	14	26.67	105	35	-	23.0	17.2	17	5	24.5	E7083/4
1"	11.5	33.40	115	43	-	28.6	21.4	21	5	30.5	E7081

E243

PG

DIN  
40432

Normal



1.5XD

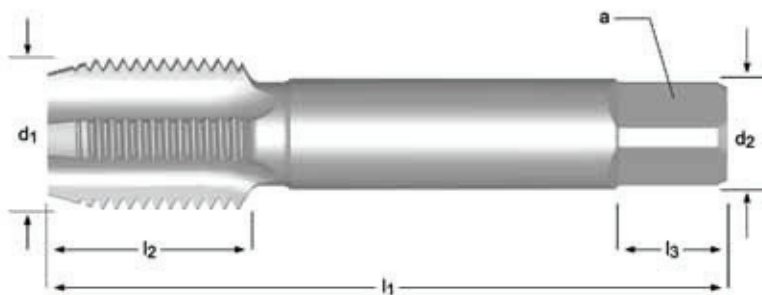
HSS



- PG 机用丝锥 直槽
- PG Macho Máquina Canal Reto
- PG Machos de máquina Estrías rectas
- PG Machine Tap Straight Flute

## E243

E243 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2



E243



No.7 - No.36

PG	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		E243
7	20	12.5	70	22	9.0	7.0	10	4	11.4	E243PG7NO2
7	20	12.5	70	22	9.0	7.0	10	4	11.4	E243PG7NO3
9	18	15.2	70	22	12.0	9.0	12	4	13.9	E243PG9NO2
9	18	15.2	70	22	12.0	9.0	12	4	13.9	E243PG9NO3
11	18	18.6	80	22	14.0	11.0	14	4	17.25	E243PG11NO2
11	18	18.6	80	22	14.0	11.0	14	4	17.25	E243PG11NO3
13.5	18	20.4	80	22	16.0	12.0	15	4	19	E243PG13.5NO2
13.5	18	20.4	80	22	16.0	12.0	15	4	19	E243PG13.5NO3
16	18	22.5	80	22	18.0	14.5	17	4	21.25	E243PG16NO2
16	18	22.5	80	22	18.0	14.5	17	4	21.25	E243PG16NO3
21	16	28.3	90	22	22.0	18.0	21	4	27	E243PG21NO2
21	16	28.3	90	22	22.0	18.0	21	4	27	E243PG21NO3
29	16	37.0	100	25	28.0	22.0	25	6	35.5	E243PG29NO2
29	16	37.0	100	25	28.0	22.0	25	6	35.5	E243PG29NO3
36	16	47.0	140	32	36.0	29.0	32	6	45.5	E243PG36NO2
36	16	47.0	140	32	36.0	29.0	32	6	45.5	E243PG36NO3

NO1  
NO9  
198



# L110

- 板牙扳手
- Desandador para Cossinetes
- Maneta para Terrajas " Portaterrajas"
- Die Stocks

L120  
309



Nr.	Ø x H	L110
1"	16 x 5	L1101
2a	20 x 5	L1102A
2b	20 x 7	L1102B
3	25 x 9	L1103
4"	30 x 11	L1104
5	38 x 14	L1105
5f	38 x 10	L1105F
6	45 x 18	L1106
6f	45 x 14	L1106F
7	55 x 22	L1107
7f	55 x 16	L1107F
8	65 x 25	L1108
8f	65 x 18	L1108F
9	75 x 30	L1109
9f	75 x 20	L1109F
10	90 x 36	L11010
10f	90 x 22	L11010F
	13/16 x 1/4	L11013/16
	1 x 3/8	L1101INCH
	1.5/16 x 7/16	L1101.5/16
	1.1/2 x 1/2	L1101.1/2
	2 x 5/8	L1102INCH
	2.1/4 x 11/16	L1102.1/4
	3 x 7/8	L1103INCH
	4 x 1	L1104INCH

## L111

- 丝锥扳手
- Desandador Ajustável
- Portamachos regulable
- Tap Wrenches

L120  
309



Nr.	☑	L111
0	2.0 - 5.0	L111NO0
1	2.1 - 8.0	L111NO1
2	4.9 - 12.0	L111NO2
3	5.5 - 16.0	L111NO3
4	11.0 - 24.0	L111NO4
5	16.0 - 32.0	L111NO5
BT1	1.0 - 6.5	L111BT1
BT2	1.0 - 10.0	L111BT2

**L119**

- 公制粗牙丝锥套装
- Jogo de Machos Métricos em Caixa Metálica
- Machos Métricos, cx. Metálica
- Metric Coarse Taps Set

A=套装形式, B=套装数量, M=套装里的丝锥直径

A=Tipos no jogo, B=No. no jogo, M=Diâmetros de Machos no jogo

A = Tipos en el juego, B=No. en el Juego, M= Diámetros Machos en el Juego

A=Styles in Set, B=No. in Set, M=Tap diameters in Set



Nr.	A	B	M	L119
Nr.17	E100	21	E100M3NO3, E100M3NO4, E100M3NO5, E100M4NO3, E100M4NO4, E100M4NO5, E100M5NO3, E100M5NO4, E100M5NO5, E100M6NO3, E100M6NO4, E100M6NO5, E100M8NO3, E100M8NO4, E100M8NO5, E100M10NO3, E100M10NO4, E100M10NO5, E100M12NO3, E100M12NO4, E100M12NO5	L11917

## L126

- 组合丝锥套装
- Jogo de Brocas Macho em Caixa Metalica
- Conjunto de Macho Broca
- Combi Taps Set

A=套装形式, B=套装数量, M=套装里的丝锥直径

A=Tipos no jogo, B=Nº eno jogo, M=Diâmetros de Machos no jogo

A = Tipos en el juego, B=No. no Jogo, M= Diámetros Machos en el Juego

A=Styles in Set, B=No. in Set, M=Tap diameters in Set



Nr.	A	B	M	L126
650	E650	6	E650M4, E650M5, E650M6, E650M8, E650M10, E650M12	L126650

# L113

- ISO 丝锥-钻头套装
- ISO Jogo de Broca + Macho
- ISO Juego de Broca-Macho
- ISO Tap-Drill Set

A= 套装形式, B=套装数量, M= 套装里的丝锥直径, D= 套装里的钻头直径

A=Tipos no jogo, B=Nº eno jogo, M=Diâmetros de Machos no jogo, D= Diâmetros de Brocas no jogo

A = Tipos en el juego, B=No. no Jogo, M= Diâmetros Machos en el Juego, D= Diâmetros Brocas en el Juego

A= Styles in Set, B= No. in Set, M= Tap diameters in Set, D= Drill diameters in Set



Nr.	A	B	M	D	L113
Nr.201	E000 + A002	14	E000M3, E000M4, E000M5, E000M6, E000M8, E000M10, E000M12	A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2	L113201
Nr.202	E001 + A002	14	E001M3, E001M4, E001M5, E001M6, E001M8, E001M10, E001M12	A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2	L113202
Nr.203	E002 + A002	14	E002M3, E002M4, E002M5, E002M6, E002M8, E002M10, E002M12	A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2	L113203
Nr.204	E003 + A002	14	E003M3, E003M4, E003M5, E003M6, E003M8, E003M10, E003M12	A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2	L113204

## L114

- DIN丝锥-钻头套装 A= 套装形式, B=套装数量, M= 套装里的丝锥直径, D= 套装里的钻头直径
- DIN Jogo de Broca + Macho A=Tipos no jogo, B=N° eno jogo, M=Diâmetros de Machos no jogo, D= Diâmetros de Brocas no jogo
- DIN Juego de Broca-Macho A = Tipos en el juego, B=No. no Jogo, M= Diámetros Machos en el Juego, D= Diámetros Brocas en el Juego
- DIN Tap-Drill Set A= Styles in Set, B= No. in Set, M= Tap diameters in Set, D= Drill diameters in Set



Nr.	A	B	M	D	L114
Nr.301	EP006H + A002	14	EP00M3, EP00M4, EP00M5, EP00M6, EP00M8, EP00M10, EP00M12	A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2	L114301
Nr.302	EX006H + A002	14	EX00M3, EX00M4, EX00M5, EX00M6, EX00M8, EX00M10, EX00M12	A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2	L114302
Nr.303	E297 + A002	14	E297M3, E297M4, E297M5, E297M6, E297M8, E297M10, E297M12	A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2	L114303 <sup>3)4)</sup>
Nr.304	E298 + A002	14	E298M3, E298M4, E298M5, E298M6, E298M8, E298M10, E298M12	A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2	L114304 <sup>3)4)</sup>
Nr.305	E238 + A108	14	E238M3, E238M4, E238M5, E238M6, E238M8, E238M10, E238M12	A1082.5, A1083.3, A1084.2, A1085.0, A1086.8, A1088.5, A10810.2	L114305 <sup>3)5)</sup>
Nr.306	E240 + A108	14	E240M3, E240M4, E240M5, E240M6, E240M8, E240M10, E240M12	A1082.5, A1083.3, A1084.2, A1085.0, A1086.8, A1088.5, A10810.2	L114306 <sup>3)5)</sup>

<sup>3)</sup> 提供HSS-E, 直到新的可用库存 / Fornecido em HSS-E até disponibilidade do novo estoque /  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock / Supplied in HSS-E until new stock available  
<sup>4)</sup> 黄圈鲨鱼丝锥 / Macho Máquina, Shark - Anel Amarelo / Machos Shark (Anillo Amarillo) / Yellow Shark Taps  
<sup>5)</sup> 蓝圈鲨鱼丝锥 / Macho Máquina, Shark - Anel Azul / Machos Shark (Anillo Azul) / Blue Shark Taps

# L115

- 手动丝锥钻头套装
- Jogo de Broca + Macho Manual
- Juego de machos de mano y brocas
- Hand Tap-Drill Set

A= 套装形式, B=套装数量, M= 套装里的丝锥直径, D= 套装里的钻头直径

A=Tipos no jogo, B=No. no Jogo, M=Diâmetros de Machos no jogo,  
D= Diâmetros de Brocas no jogo

A = Tipos en el juego, B=No. en el Juego, M= Diâmetros Machos en el Juego,  
D= Diâmetros Brocas en el Juego

A= Styles in Set, B= No. in Set, M= Tap diameters in Set, D= Drill diameters in Set



Nr.	A	B	M	D	L115
Nr.100	E500 + A022	21	E500M3NO2, E500M3NO3, E500M4NO2, E500M4NO3, E500M5NO2, E500M5NO3, E500M6NO2, E500M6NO3, E500M8NO2, E500M8NO3, E500M10NO2, E500M10NO3, E500M12NO2, E500M12NO3	A0222.5, A0223.3, A0224.2, A0225.0, A0226.8, A0228.5, A02210.2	L115100
Nr.101	E500 + A002	14	E500M3NO3, E500M4NO3, E500M5NO3, E500M6NO3, E500M8NO3, E500M10NO3, E500M12NO3	A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2	L115101

## L120

- 成套丝锥
- Estojo de Roscagem, Cx. Metálica
- Estojo de Roscagem, Cx. Metálica
- Threading Equipment Set

A= 套装形式, B= 套装里的数量, M= 套装里的丝锥直径, F= 套装模具直径, L111= 套装里丝锥扳手, L110= 套装模具库存

A=Tipos no jogo, B=No. no Jogo, M=Diâmetros de Machos no jogo, F= Diâmetros de Cossinetes no jogo, L111= Desandador Ajustável no jogo, L110= Desandador para Cossinites no jogo

A = Tipos en el juego, B=No. en el Juego, M= Diámetros Machos en el Juego, F= Diámetros Terrajas en el Juego, L111 - en el Juego, L110 - en el Juego

A= Styles in Set, B= No. in Set, M= Tap diameters in Set, F= Die diameters in Set, L111= Tap wrenches in Set, L110= Die stocks in Set



Nr.	A	B	M	F	L111	L110	L120
Nr.21	E100 + F100 + L111 + L110	21	E100M3NO8, E100M4NO8, E100M5NO8, E100M6NO8, E100M8NO8, E100M10NO8, E100M12NO8	F100M3, F100M4, F100M5, F100M6, F100M8, F100M10, F100M12	L111NO1, L111NO2	L1102A, L1102B, L1103, L1104, L1105	L12021
Nr.30	E100 + F100 + L111 + L110	30	E100M3NO8, E100M4NO8, E100M5NO8, E100M6NO8, E100M8NO8, E100M10NO8, E100M12NO8, E100M14NO8, E100M16NO8, E100M18NO8, E100M20NO8	F100M3, F100M4, F100M5, F100M6, F100M8, F100M10, F100M12, F100M14, F100M16, F100M18, F100M20	L111NO1, L111NO3	L1102A, L1102B, L1103, L1104, L1105, L1106	L12030
HS-2M	E500 + F300 + L111 + L110	23	E500M2NO1, E500M2NO3, E500M2.5NO1, E500M2.5NO3, E500M3NO1, E500M3NO3, E500M3.5NO1, E500M3.5NO3, E500M4NO1, E500M4NO3, E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3	F300M2X13/16, F300M2.5X13/16, F300M3X13/16, F300M3.5X13/16, F300M4X13/16, F300M5X13/16, F300M6X13/16	L111BT1	L11013/16	L1202M
HS-4M	E500 + F300 + L111 + L110	32	E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3, E500M7NO1, E500M7NO3, E500M8NO1, E500M8NO3, E500M9NO1, E500M9NO3, E500M10NO1, E500M10NO3, E500M11NO1, E500M11NO3, E500M12NO1, E500M12NO3	F300M5X13/16, F300M6X13/16, F300M7X13/16, F300M8X1.5/16, F300M9X1.5/16, F300M10X1.5/16, F300M11X1.5/16, F300M12X1.5/16, F300M5X13/16, F300M6X13/16, F300M7X13/16, F300M8X1.5/16, F300M9X1.5/16	L111BT2	L11013/16, L1101.5/16	L1204M



Nr.	A	B	M	F	L111	L110	L120
HS-8M	E500 + F300 + L111 + L110	17	E500M2NO1, E500M2NO3, E500M3NO1, E500M3NO3, E500M4NO1, E500M4NO3, E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3	F300M2X13/16, F300M3X13/16, F300M4X13/16, F300M5X13/16, F300M6X13/16	L111BT1	L11013/16	L1208M
HS-10M	E500 + F300 + L111 + L110	27	E500M3NO1, E500M3NO3, E500M4NO1, E500M4NO3, E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3, E500M7NO1, E500M7NO3, E500M8NO1, E500M8NO3, E500M9NO1, E500M9NO3, E500M10NO1, E500M10NO3	F300M3X13/16, F300M4X13/16, F300M5X13/16, F300M6X1, F300M7X1, F300M8X1, F300M9X1, F300M10X1	L111BT2	L11013/16, L1101INCH	L12010M
HS-12M	E500 + F300 + L111 + L110	35	E500M2NO1, E500M2NO3, E500M3NO1, E500M3NO3, E500M4NO1, E500M4NO3, E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3, E500M7NO1, E500M7NO3, E500M8NO1, E500M8NO3, E500M9NO1, E500M9NO3, E500M10NO1, E500M10NO3, E500M12NO1, E500M12NO3	F300M2X13/16, F300M3X13/16, F300M4X13/16, F300M5X13/16, F300M6X13/16, F300M7X13/16, F300M8X1, F300M9X1, F300M10X1, F300M12X1.5/16	L111BT1, L111BT2	L11013/16, L1101INCH, L1101.5/16	L12012M
HS-14M	E500 + F300 + L111 + L110	34	E500M6NO1, E500M6NO3, E500M7NO1, E500M7NO3, E500M8NO1, E500M8NO3, E500M9NO1, E500M9NO3, E500M10NO1, E500M10NO3, E500M12NO1, E500M12NO3, E500M14NO1, E500M14NO3, E500M16NO1, E500M16NO3, E500M18NO1, E500M18NO3, E500M20NO1, E500M20NO3	F300M6X1, F300M7X1, F300M8X1, F300M9X1, F300M10X1, F300M12X1.5/16, F300M14X1.5/16, F300M16X1.1/2, F300M18X1.1/2, F300M20X1.1/2	L111NO2	L1101INCH, L1101.5/16, L1101.1/2	L12014M
HS-30UNC	E515 + F320 + L111 + L110	18	E5151/2NO1, E5151/2NO3, E5151/4NO1, E5151/4NO3, E5155/16NO1, E5155/16NO3, E5153/8NO1, E5153/8NO3, E5157/16NO1, E5157/16NO3	F3201/4X1, F3205/16X1, F3207/16X1.5/16, F3203/8X1, F3201/2X1.5/16	L111BT2	L1101INCH, L1101.5/16	L12030UNC
HS-32UNC	E515 + F320 + L111 + L110	27	E5151/2NO1, E5151/2NO3, E5151/4NO1, E5151/4NO3, E5155/16NO1, E5155/16NO3, E5153/8NO1, E5153/8NO3, E5157/16NO1, E5157/16NO3, E5155/8NO1, E5155/8NO3, E5153/4NO1, E5153/4NO3	F3201/4X1, F3205/16X1, F3207/16X1.5/16, F3203/8X1, F3207/16X1.1/2, F3201/2X1.5/16, F3201/2X1.1/2, F3205/8X1.1/2, F3203/4X1.1/2	L111BT2, L111NO2	L1101INCH, L1101.1/2	L12032UNC
HS-24UNF	E524 + F330 + L111 + L110	18	E5241/2NO1, E5241/2NO3, E5241/4NO1, E5241/4NO3, E5245/16NO1, E5245/16NO3, E5243/8NO1, E5243/8NO3, E5247/16NO1, E5247/16NO3	F3301/4X1, F3305/16X1, F3307/16X1.5/16, F3303/8X1, F3301/2X1.5/16	L111BT2	L1101INCH, L1101.5/16	L12024UNF
HS-26UNF	E524 + F330 + L111 + L110	25	E5241/2NO1, E5241/2NO3, E5241/4NO1, E5241/4NO3, E5245/16NO1, E5245/16NO3, E5243/8NO1, E5243/8NO3, E5247/16NO1, E5247/16NO3, E5245/8NO1, E5245/8NO3, E5243/4NO1, E5243/4NO3	F3301/4X1, F3305/16X1, F3303/8X1, F3307/16X1.1/2, F3301/2X1.1/2, F3305/8X1.1/2, F3303/4X1.1/2	L111BT2, L111NO2	L1101INCH, L1101.1/2	L12026UNF