

<b>E000</b>	247	<b>E258</b>	250	<b>E515</b>	288	<b>EP30</b>	300
<b>E000TIN</b>	247	<b>E260</b>	256	<b>E524</b>	298	<b>EP31</b>	300
<b>E001</b>	247	<b>E261</b>	256	<b>E531</b>	308	<b>EP40</b>	321
<b>E002</b>	260	<b>E263</b>	250	<b>E533</b>	311	<b>EP41</b>	321
<b>E002TIN</b>	260	<b>E266</b>	249	<b>E534</b>	310	<b>EX006G</b>	252
<b>E003</b>	260	<b>E268</b>	269	<b>E536</b>	312	<b>EX006H</b>	252
<b>E011</b>	279	<b>E275</b>	287	<b>E538</b>	314	<b>EX00TIN</b>	252
<b>E013</b>	284	<b>E278</b>	297	<b>E539</b>	313	<b>EX016H</b>	252
<b>E021</b>	291	<b>E282</b>	319	<b>E542</b>	315	<b>EX10</b>	280
<b>E023</b>	293	<b>E286</b>	305	<b>E544</b>	317	<b>EX10TIN</b>	280
<b>E031</b>	301	<b>E287</b>	295	<b>E545</b>	316	<b>EX11</b>	280
<b>E033</b>	303	<b>E288</b>	285	<b>E547</b>	320	<b>EX20</b>	292
<b>E041</b>	322	<b>E289</b>	263	<b>E550</b>	328	<b>EX21</b>	292
<b>E043</b>	325	<b>E290</b>	269	<b>E570</b>	306	<b>EX30</b>	302
<b>E100</b>	230	<b>E291</b>	263	<b>E600</b>	240	<b>EX31</b>	302
<b>E101</b>	230	<b>E292</b>	263	<b>E605</b>	262	<b>EX40</b>	323

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<b>E102</b>	230	<b>E293</b>	264	<b>E606</b>	248	<b>EX41</b>	323
<b>E105</b>	266	<b>E294</b>	263	<b>E610</b>	240	<b>L000</b>	342
<b>E108</b>	286	<b>E295</b>	265	<b>E620</b>	326	<b>L001</b>	343
<b>E111</b>	296	<b>E296</b>	265	<b>E621</b>	327	<b>L002</b>	344
<b>E115</b>	307	<b>E297</b>	243	<b>E650</b>	261	<b>L110</b>	348
<b>E119</b>	318	<b>E298</b>	254	<b>E651</b>	294	<b>L112</b>	349
<b>E200</b>	232	<b>E299</b>	277	<b>E653</b>	332	<b>L113</b>	339
<b>E201</b>	234	<b>E300</b>	282	<b>E654</b>	304	<b>L114</b>	340
<b>E207</b>	250	<b>E303</b>	239	<b>E708</b>	335	<b>L115</b>	341
<b>E212</b>	250	<b>E382</b>	324	<b>E709</b>	334	<b>L119</b>	337
<b>E216</b>	249	<b>E383</b>	283	<b>E710</b>	330	<b>L120</b>	345
<b>E225</b>	287	<b>E384</b>	278	<b>E711</b>	331	<b>L126</b>	338
<b>E229</b>	297	<b>E390</b>	234	<b>E712</b>	333	<b>T200</b>	226
<b>E237</b>	232	<b>E412</b>	255	<b>E714</b>	329	<b>T201</b>	226
<b>E238</b>	257	<b>E414</b>	258	<b>E720</b>	334	<b>T205</b>	228
<b>E239</b>	257	<b>E422</b>	249	<b>E721</b>	330	<b>T206</b>	228
<b>E240</b>	245	<b>E423</b>	249	<b>EP006G</b>	241	<b>T210</b>	226
<b>E241</b>	245	<b>E471</b>	246	<b>EP006H</b>	241	<b>T215</b>	229
<b>E242</b>	269	<b>E472</b>	246	<b>EP00TiN</b>	241		
<b>E243</b>	336	<b>E473</b>	259	<b>EP016H</b>	241		
<b>E250</b>	232	<b>E474</b>	259	<b>EP10</b>	275		
<b>E251</b>	232	<b>E500</b>	235	<b>EP10TIN</b>	275		
<b>E252</b>	234	<b>E501</b>	235	<b>EP11</b>	275		
<b>E255</b>	244	<b>E504</b>	235	<b>EP20</b>	290		
<b>E256</b>	244	<b>E513</b>	271	<b>EP21</b>	290		

Thread form

Standard

Tolerance

Hole Type

Depth

Material

Chamfer

Flute geometry

Direction

Coating

Coolant

- Excellent for Application
- Good for Application

Example  
10 = Peripheral speed in metres/minute  
+/- 10%

Codes

Range

Tipo de rosca

Norma

Tolerancia

Tipo de agujero

Profundidad

Material

Chaflán de entrada

Geometría

Dirección

Tratamiento superficial

Refrigeración

Excelente para la Aplicación  
Bueno para la Aplicación

Ejemplo  
10 = Velocidad Periférica en metros/  
minuto +/- 10%

Código de producto

Rango de Medidas

Tipo de Rosca

Standard

Tolerância

Tipo do furo

Profundidade

Material

Chanfro

Geometria

Direção

Revestimento

Refrigeração

Excelente para a Aplicação  
Bom para a Aplicação  
Exemplo  
10 = velocidade periférica em metros  
/ minuto + / - 10%

Código

Gama de medidas

Forme de filet

Standard

Tolérance

Type de trou

Profondeur

Matière

Chanfrein

Géométrie

Direction

Revêtement

Lubrification

Excellent pour les applications  
Acceptable pour les applications  
Exemple  
10 = Vitesse périphérique en mètres/  
minute +/- 10%

Codes

Gamme

## AMG English

1.1	Magnetic soft steel
1.2	Structural steel, case carburizing steel
1.3	Plain Carbon steel
1.4	Alloy steel
1.5	Alloy steel, Hardened and tempered steel
1.6	Alloy steel, Hardened and tempered steel
1.7	Alloy steel, Heat treated
1.8	Alloy steel, Hardened & Wear resistant steel
2.1	Free machining, Stainless Steel
2.2	Austenitic
2.3	Ferritic + Austenitic, Ferritic, Martensitic
2.4	Precipitation Hardened
3.1	Lamellar graphite
3.2	Lamellar graphite
3.3	Nodular graphite, Malleable Cast Iron
3.4	Nodular graphite, Malleable Cast Iron
4.1	Titanium, unalloyed
4.2	Titanium, alloyed
4.3	Titanium, alloyed
5.1	Nickel, unalloyed
5.2	Nickel, alloyed
5.3	Nickel, alloyed
6.1	Copper
6.2	β-Brass, Bronze
6.3	α-Brass
6.4	High Strength Bronze
7.1	Al, Mg, unalloyed
7.2	Al alloyed, Si < 0.5%
7.3	Al alloyed, Si > 0.5% < 10%
7.4	Al alloyed, Si > 10% Whisker reinforced Al-alloys Mg-alloys
8.1	Thermoplastics
8.2	Thermosetting plastics
8.3	Reinforced plastic materials
9.1	Cermets (metals-ceramics)
10.1	Graphite

## Español

Acero blando
Acero de construcción/cementación
Acero al carbono
Acero aleado
Acero aleado/temple y revenido
Acero aleado/temple y revenido
Acero aleado cementado
Acero aleado cementado
Acero inoxidable fácil mecanizado
Austenítico
Ferrítico, Ferr. + Aust., Marten
Acero Inoxidable Templado
Con grafito laminar
Con grafito laminar
Con graf. laminar, fundic. maleable
Con graf. laminar, fundic. maleable
Titanio no aleado
Titanio aleado
Titanio aleado
Níquel no aleado
Níquel aleado
Níquel aleado
Cobre
β-Latón, bronce
α-Latón
Metal AMPCO
Al, Mg, no aleado
Al aleado con Si < 0.5%
Al aleado con Si > 0.5% < 10%
Al aleado, Si>10% Reforzado por filamentos, Al-aleados, Mg-aleados
Termoplásticos
Plásticos endurecidos por calor
Materiales plásticos reforzados
Cermetales (metales-cerámicas)
Grafito standard

## Português

Aço macio de baixa resistência
Aço estrutural / Aço cementado
Aço carbono
Aço de liga
Aço de Liga endurecido e temperado
Aço de Liga endurecido e temperado
Aço de liga temperado
Aço de liga temperado / resistente ao degaste
Aço inoxidável de fácil maquinação
Austenítico
Ferrítico + Austenítico + Martensítico
Aço Inoxidável Temperado
Grafito Lamelar
Grafito Lamelar
Grafito nodular / Ferro fundido maleável
Grafito nodular / Ferro fundido maleável
Titânio, sem liga
Ligas de Titânio
Ligas de Titânio
Níquel, sem liga
Ligas de níquel
Ligas de níquel
Cobre
Latão beta, bronze
Latão alfa
Ligas de Cu-Al-Fe, Bronze de alta resistência
Al, Mg, sem liga
Ligas de Al, Si : Si < 0.5%
Ligas de Al, Si : Si > 0.5% < 10%
Al com liga, Si>10%, reforçadas com monocristais filiformes, ligas Al/Mg
Termoplásticos
Plásticos termoduros
Materiais plásticos reforçados
Materiais cerâmicos (metalocerâmica)
Grafito standard

## Français

Acier doux magnétique
Acier de construction, Acier de cémentation
Acier au carbone ordinaire
Acier allié
Acier allié/ Acier trempé et revenu
Acier allié/ Acier trempé et revenu
Acier allié trempé
Acier allié trempé
Acier inoxydable de décolletage
Austénitique
Ferritique + Austénitique, Martensitique
Acier inoxydable Trempé
Graphite lamellaire
Graphite lamellaire
Graphite nodulaire/ Fonte malléable
Graphite nodulaire/ Fonte malléable
Titane, non-allié
Titane, allié
Titane, allié
Nickel, non-allié
Nickel, allié
Nickel, allié
Cuivre
β-Laiton, Bronze
α-Laiton
Bronze, haute résistance
Al, Mg, non-allié
Al allié, Si < 0.5%
Al allié, Si > 0.5% < 10%
Al allié, Si>10% Alliages d'Al ou Mg, céramique renforcée
Thermoplastiques
Plastiques thermodurcissables
Plastiques renforcés
Cermets (céramiques métalliques)
Graphite standard

	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
	DIN 371	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 2174	DIN 352	DIN 352	DIN 352	DIN 371	DIN 376	DIN 371	DIN 376	DIN 371	DIN 376	DIN 371 $\leq$ 10 376 $\geq$ 12	
	6H	6HX	6HX	6H	6H	6HX	6H	6HX	6H	6H	6H	6H	6H	6HX	6HX	6HX	
	2XD	2.5XD	2XD	2XD	2.5XD	3XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	1.5XD	2XD	2XD	2XD	
	HM	HM	HM	HM	HM	HM	HSS	HSS-E	HSS	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	
	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3.5	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	
				$\lambda 15^\circ$ 	$\lambda 15^\circ$ 												
	TICN	Super B	TICN			TICN		ST						ST	ST	TAIN	
	T200	T201	T210	T205	T206	T215	E100	E102	E101	E200	E250	E237	E251	E201	E252	E390	
	M3 - M12	M5 - M16	M3 - M12	M3 - M12	M5 - M12	M3 - M10	M1.6 - M52	M3 - M30	M4 - M16	M2 - M10	M3 - M52	M3 - M10	M12 - M24	M3 - M10	M8 - M24	M3 - M20	
AMG	226	226	226	228	228	229	230	230	230	232	232	232	232	234	234	234	ISO
1.1						■60	●1	●1	●1	●12	●12	●12	●12				P 1
1.2						■60	●1	●1	●1	●10	●10	●10	●10				P 1
1.3						■60	●1	●1	●1	●8	●8	●8	●8				P 2
1.4						■40	●1	●1	●1	●6	●6	●6	●6				P 3
1.5						■30	●1	●1	●1	●5	●5	●5	●5				P 4
1.6																	H 1
1.7	■6		●6														H 3
1.8	●4		■4														H 4
2.1						■25		●1									M 1
2.2						■25		●1									M 3
2.3						■25		●1									M 2
2.4						●25											S 2
3.1	●60	■60		●40	●40		●1	●1	●1	●14	●14	●14	●14	■15	■15	■30	K 1
3.2	●30	■25		●15	●15		●1	●1	●1	●8	●8	●8	●8	■8	■8	■25	K 2
3.3		●38		■25	■25		●1	●1	●1	●12	●12	●12	●12	■15	■15	■35	K 3
3.4		●33		■15	■15		●1	●1	●1					●8	●8	●25	K 4
4.1								●1									S 1
4.2								●1									S 2
4.3								●1									S 3
5.1						■35		●1									S 1
5.2						●15		●1									S 2
5.3								●1									S 3
6.1						●40	●1	●1	●1								N 3
6.2							●1	●1	●1	●16	●16	●16	●16	●20	●20	●30	N 4
6.3						●80	●1	●1	●1	●12	●12	●12	●12				N 3
6.4	●7	●10					●1	●1	●1					●5	●5	●5	N 4
7.1						■70											N 1
7.2						■80	●1	●1	●1	●20	●20	●20	●20				N 1
7.3		●50		■35	■35	■80	●1	●1	●1	●12	●12	●12	●12				N 1
7.4	●60	■40		■30	■30		●1	●1	●1					●15	●15	●20	N 2
8.1																	O
8.2	●50	●25		●25	●25		●1	●1	●1	●8	●8	●8	●8	■10	■10	■15	O
8.3	●30	●15		●15	●15		●1	●1	●1								O
9.1																	H
10.1	●25	■25															O

	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
	ISO 529	ISO 529	ISO 529	DIN 357	ISO 2283	ISO 2283	DIN 3714<10 376>12	DIN 3714<10 376>12	DIN 3714<10 376>12	DIN 3714<10 376>12	DIN 3714<10 376>12	DIN 3714<10 376>12	DIN 3714<10 376>12	DIN 3714<10 376>12	DIN 3714<10 376>12	DIN 3714<10 376>12		
	6H	6H	6H	6H	6H	6H	6H	6G	6H	6H	6H	6H	6H	6H	6H	6H		
	1.5XD	1.5XD	1.5XD	2XD	1.5XD	1.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD		
	HSS	HSS	HSS	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 PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM		
				D18-20 C 2-3	C 2-3	C 2-3	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		
			TiN		TiN			TiN	ST	Cr		TiAIN Top	ST	Super B				
	E500	E501	E504	E303	E600	E610	EP006H	EP006G	EP00TIN	EP016H	E297	E255	E256	E240	E241	E471		
	M1 - M56	M3 - M24	M3 - M24	M3 - M20	M3 - M30	M3 - M16	M2 - M30	M3 - M20	M3 - M30	M2 - M30	M3 - M30	M3 - M20	M3 - M20	M3 - M30	M3 - M20	M3 - M20		
											SHARK LINE	SHARK LINE	SHARK LINE	SHARK LINE	SHARK LINE	SHARK LINE		
AMG	235	235	235	239	240	240	241	241	241	241	243	244	244	245	245	246	ISO	
1.1	●7	●7	●14	●12	●7	●14	■25	■25	■40	■25	■25					●25	P 1	
1.2	●6	●6	●12	●10	●6	●12	■22	■22	■40	■22	■22					●22	P 1	
1.3	●5	●5	●10	●8	●5	●10	■18	■18	■32	■18	■18					●18	P 2	
1.4	●4	●4	●8	●6	●4	●8	■16	■16	■27	■16	●16	■16	■30			●16	P 3	
1.5	●3	●3	●6	●5	●3	●6	■10	■10	■13	■10	●10	●7	■17	●7	●10		P 4	
1.6							●5	●5	●11	●5		●4	●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	●12	●12	■18	●14	●12	■18	●15	●15	●22	●15								K 1
3.2	●7	●7	■12	●8	●7	■12	●8	●8	●18	●8								K 2
3.3	●10	●10	■22	●12	●10	■22	●15	●15	●25	●15								K 3
3.4	●5	●5	●12		●5	●12	●8	●8	●18	●8								K 4
4.1							●10	●10	●15									S 1
4.2							●5	●5	●7			●2	●3					S 2
4.3																		S 3
5.1							●12	●12	●18									S 1
5.2							●5	●5	●8			●2	●3					S 2
5.3																		S 3
6.1	●4	●4			●4		■12	■12	■18		■12						●12	N 3
6.2	●10	●10	●20	●16	●10	●20	●30	●30	●45		●30					■30		N 4
6.3	●7	●7	●14	●12	●7	●14	■20	■20	■35		■20					■20		N 3
6.4	●2	●2	●4		●2	●4												N 4
7.1							■16	■16									■16	N 1
7.2	●12	●12	●24	●20	●12	●24	■35	■35								■35		N 1
7.3	●7	●7	●14	●12	●7	●14	■20	■20	■30							■20		N 1
7.4	●5	●5	●10		●5	●10	■15	■15	■22							■15		N 2
8.1							●30	●30								■25		O
8.2	●5	●5	●10	●8	●5	●10			●45									O
8.3	●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	
	DIN 371<10 376>12	ISO 529	ISO 529	ISO 529	ISO 2283	DIN 371	DIN 376	DIN 371	DIN 376	DIN 371	DIN 376	DIN 371	DIN 376	DIN 371<10 376>12	DIN 371<10 376>12	DIN 371<10 376>12	
	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6G	6H	
	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	3XD	3XD	3XD	3XD	1.5XD	1.5XD	1.5XD	1.5XD	2.5XD	2.5XD	2.5XD	
	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	
	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	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	
	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 15^\circ$	$\lambda 45^\circ$	$\lambda 45^\circ$	$\lambda 45^\circ$	
	Super B		TiN	ST				TiN	TiN			TiN	TiN			TiN	
	E472	E000	E000TiN	E001	E606	E216	E266	E422	E423	E207	E258	E212	E263	EX006H	EX006G	EX00TiN	
	M3 - M20	M1.6 - M24	M3 - M20	M1.6 - M24	M3 - M24	M3 - M10	M12 - M24	M3 - M10	M12 - M24	M2 - M10	M4 - M36	M3 - M10	M12 - M36	M2 - M64	M3 - M20	M3 - M30	
AMG	246	247	241	247	248	249	249	249	249	250	250	250	250	252	252	252	ISO
1.1		■25	■40	■25	●20	●22	●22	●35	●35			●35	●35	■25	■25	■40	P 1
1.2	●40	■22	■40	■22	●18	■20	■20	■35	■35	●20	●20	●35	●35	■22	■22	■40	P 1
1.3	●32	■18	■32	■18	●14	■16	■16	■28	■28	■16	■16	■28	■28	■18	■18	■32	P 2
1.4		■16	■27	■16	●10	■12	■12	■24	■24	■12	■12	■24	■24	■16	■16	■27	P 3
1.5		■10	■13	■10	●5	●7	●7	●10	●10	●7	●7	●10	●10	■10	■10	■13	P 4
1.6		●5	●11	●5	●3												H 1
1.7																	H 3
1.8																	H 4
2.1			■8	●7	●6											■8	M 1
2.2			■7	●6	●4											■7	M 3
2.3			●5	●4	●3											●5	M 2
2.4																	S 2
3.1		●15	●22	●15		●12	●12	●18	●18							●22	K 1
3.2		●8	●18	●8		●7	●7	●15	●15							●18	K 2
3.3		●15	●25	●15		●10	●10	●20	●20							●25	K 3
3.4		●8	●18	●8		●5	●5	●15	●15							●18	K 4
4.1		●10	●15			●15	●15	●27	●27					●10	●10	●15	S 1
4.2		●5	●7									●10	●10	●5	●5	●7	S 2
4.3					●3	●4	●4	●5	●5			●7	●7				S 3
5.1		●12	●18		●10	●12	●12	●20	●20					●12	●12	●18	S 1
5.2		●5	●8		●4	●5	●5	●8	●8					●5	●5	●8	S 2
5.3																	S 3
6.1		■12	■18		●10	●12	●12	●18	●18								N 3
6.2	■45	■30	■45			●30	●30	●45	●45								N 4
6.3	■35	■20	■35		●15	●20	●20	●35	●35								N 3
6.4																	N 4
7.1	●35	■16			●10	●16	●16	●25	●25					■16	■16		N 1
7.2	■45	■35			●25	●35	●35	●45	●45	●30	●30	●35	●35	■35	■35		N 1
7.3	■30	■20	■30		●13	●20	●20	●30	●30	●15	●15	●20	●20	■20	■20	■30	N 1
7.4	■20	■15	■22		●10	●15	●15	●20	●20					■15	■15	■22	N 2
8.1	●30	●30			●20	●25	●25	●30	●30								O
8.2			●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	
	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371 $\leq$ 10 376 $\geq$ 12	DIN 371 $\leq$ 10 376 $\geq$ 12	ISO 529	ISO 529	ISO 529	DORMER ISO	ISO 2283	DIN 2174	
	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6HX	
	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS	HSS-E PM	HSS-E	
	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	C 2-3.5	
	SHARK LINE	SHARK LINE	SHARK LINE	SHARK LINE	SHARK LINE	SHARK LINE	SHARK LINE	SHARK LINE	SHARK LINE	SHARK LINE							
	EX016H	E298	E412	E260	E261	E238	E239	E414	E473	E474	E002	E002TIN	E003	E650	E605	E291	
	M2 - M64	M3 - M30	M3 - M30	M3 - M20	M3 - M20	M3 - M30	M3 - M20	M3 - M20	M3 - M20	M3 - M20	M2 - M24	M3 - M20	M2 - M24	M3 - M16	M3 - M20	M1.6 - M16	
AMG	252	254	255	256	256	257	257	258	259	259	260	260	260	261	262	263	ISO
1.1	■25	■25	■50						●25		■25	■40	■25	●25		■30	P 1
1.2	■22	■22	■50				●22		●22	●40	■22	■40	■22	●22	●18	■27	P 1
1.3	■18	■18	■35				●18	●32	●18	●32	■18	■32	■18	●18	●14	■23	P 2
1.4	■16	●16	■30	■16	■35		●16	●27			■16	■27	■16	●15	●10	■20	P 3
1.5	■10	●10	■16	●7	■20	●7	●10	●13			■10	■13	■10		●5		P 4
1.6				●4	●11												H 1
1.7																	H 3
1.8																	H 4
2.1	■7		●14			■8	■14	■16				■8	●7		●6		M 1
2.2	■6		●10			■7	■10	■12				■7	●6		●4		M 3
2.3	●4		●6			■5	■6	■8				●5	●4		●3		M 2
2.4								■6									S 2
3.1												●22					K 1
3.2												●18		●8			K 2
3.3												●25					K 3
3.4												●18					K 4
4.1											●10	●15					S 1
4.2				●2	●3						●5	●7					S 2
4.3																	S 3
5.1											●12	●18					S 1
5.2				●2	●3						●5	●8			●4		S 2
5.3																	S 3
6.1		■12							●12								N 3
6.2		●30							■30	■45				●30			N 4
6.3		■20							■20	●35				●20			N 3
6.4																	N 4
7.1			●16						■16	●35	■16			●18	●10	■26	N 1
7.2			●16						■35	■45	■35			●35	●25	■38	N 1
7.3			●35						■20	■30	■20	■30			●13	●22	N 1
7.4			●35						●15	■20	■15	■22			●10		N 2
8.1									■25	●30				●30			O
8.2																	O
8.3																	O
9.1																	H
10.1																	O

	M	M	M	M	M	M	MF	MF	MF	MF	MF	MF	MF	MF	MF	
	DIN 2174	DIN 2174	DIN 2174	DIN 2174	DIN 2174	DIN 2174	DIN 2181	DIN 374	DIN 371	DIN 374	ISO 529	DIN 374	DIN 374	DIN 374	DIN 374	
	6HX	6HX	6HX	6HX	6GX	6GX	6H	6H	6H	6H	6H	6H	6H	6H	6H	
	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS	HSS-E PM	HSS-E PM	HSS-E PM	HSS	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	
	C 2-3.5	C 2-3.5	C 2-3.5	E 1.5-2	C 2-3.5	E 1.5-2	C 2-3	C 2-3	C 2-3	C 2-3		B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	
	E292	E294	E289	E293	E295	E296	E105	E268	E242	E290	E513	EP10	EP10TIN	EP11	E299	
	M1.6 - M16	M3 - M16	M5 - M12	M3 - M16	M3 - M12	M3 - M10	M2.5 - M50	M4 - M50	M8 - M10	M12 - M24	M3 - M50	M4 - M30	M8 - M20	M4 - M30	M4 - M30	
AMG	263	263	263	264	265	265	266	269	269	269	271	275	275	275	277	ISO
1.1	■55	■55	■55	■55	■55	■55	●1	●12	●12	●12	●7	■25	■40	■25	■25	P 1
1.2	■50	■50	■50	■50	■50	■50	●1	●10	●10	●10	●6	■22	■40	■22	■22	P 1
1.3	■45	■45	■45	■45	■45	■45	●1	●8	●8	●8	●5	■18	■32	■18	■18	P 2
1.4	■40	■40	■40	■40	■40	■40	●1	●6	●6	●6	●4	■16	■27	■16	●16	P 3
1.5	●20	●20	●20	●20	●20	●20	●1	●5	●5	●5	●3	■10	■13	■10	●10	P 4
1.6												●5	●11	●5		H 1
1.7																H 3
1.8																H 4
2.1	■18	■18	■18	■18	■18	■18						■8	●7			M 1
2.2	■15	■15	■15	■15	■15	■15						■7	●6			M 3
2.3	●10	●10	●10	●10	●10	●10						●5	●4			M 2
2.4																S 2
3.1							●1	●14	●14	●14	●12	●15	●22	●15		K 1
3.2							●1	●8	●8	●8	●7	●8	●18	●8		K 2
3.3							●1	●12	●12	●12	●10	●15	●25	●15		K 3
3.4							●1				●5	●8	●18	●8		K 4
4.1	■35	■35	■35	■35	■35	■35						●10	●15			S 1
4.2												●5	●7			S 2
4.3																S 3
5.1	■20	■20	■20	■20	■20	■20						●12	●18			S 1
5.2	●8	●8	●8	●8	●8	●8						●5	●8			S 2
5.3																S 3
6.1	●25	●25	●25	●25	●25	●25	●1				●4	■12	■18		■12	N 3
6.2							●1	●16	●16	●16	●10	■30	■45		●30	N 4
6.3	●40	●40	●40	●40	●40	●40	●1	●12	●12	●12	●7	■20	■35		■20	N 3
6.4							●1				●2					N 4
7.1	■55	■55	■55	■55	■55	■55						■16				N 1
7.2	■55	■55	■55	■55	■55	■55	●1	●20	●20	●20	●12	■35				N 1
7.3	■40	■40	■40	■40	■40	■40	●1	●12	●12	●12	●7	■20	■30			N 1
7.4	●25	●25	●25	●25	●25	●25	●1				●5	■15	■22			N 2
8.1												●30				O
8.2							●1	●8	●8	●8	●5		●45			O
8.3							●1				●3					O
9.1																H
10.1																O














	MF	MF	MF	MF	MF	MF	MF	MF	MF	UNC	UNC	UNC	UNC	UNC	UNC	UNC	UNC	
	DIN 374	ISO 529	DIN 374	DIN 374	DIN 374	DIN 374	DIN 374	ISO 529	DIN 2174	DIN 352	DIN 371	DIN 376	ISO 529	DIN 2184-1	DIN 2184-1	ISO 529	DIN 2184-1	
	6H	6H	6H	6H	6H	6H	6H	6H	6HX	2B	2B	2B	2B	2B	2B	2B	2B	
	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2XD	2XD	2.5XD	3XD	1.5XD	1.5XD	1.5XD	1.5XD	2.5XD	2.5XD	2.5XD	2.5XD	
	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E	HSS	HSS-E PM	HSS-E PM	HSS	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 2-3.5	C 2-3	C 2-3	C 2-3		B 3.5-5	B 3.5-5	B 3.5-5	C 2-3	
			λ45°	λ45°	λ45°	λ40°	λ40°	λ45°									λ45°	
	ST	ST		TiN	ST	Cr	ST	ST	TiN							ST	ST	
	SHARK LINE					SHARK LINE	SHARK LINE											
	E384	E011	EX10	EX10TiN	EX11	E300	E383	E013	E288	E108	E225	E275	E515	EP20	EP21	E021	EX20	
	M6 - M20	M4 - M24	M4 - M30	M8 - M20	M4 - M30	M4 - M30	M6 - M20	M4 - M22	M5 - M12	No.5 - 1"	No.2 - 1/4	5/16 - 1.1/2	No.1 - 2"	No.4 - 1"	No.4 - 1"	No.2 - 1"	No.4 - 1"	
AMG	278	279	280	280	280	282	283	284	285	286	287	287	288	290	290	291	292	ISO
1.1		■25	■25	■40	■25	■25		■25	■55	●1	●12	●12	●7	■25	■25	■25	■25	P 1
1.2		■22	■22	■40	■22	■22		■22	■50	●1	●10	●10	●6	■22	■22	■22	■22	P 1
1.3		■18	■18	■32	■18	■18		■18	■45	●1	●8	●8	●5	■18	■18	■18	■18	P 2
1.4		■16	■16	■27	■16	●16		■16	■40	●1	●6	●6	●4	■16	■16	■16	■16	P 3
1.5	●7	■10	■10	■13	■10	●10	●7	■10	●20	●1	●5	●5	●3	■10	■10	■10	■10	P 4
1.6		●5												●5	●5	●5		H 1
1.7																		H 3
1.8																		H 4
2.1	■8	●7		■8	■7		■8	●7	■18						●7	●7		M 1
2.2	■7	●6		■7	■6		■7	●6	■15						●6	●6		M 3
2.3	■5	●4		●5	●4		■5	●4	●10						●4	●4		M 2
2.4																		S 2
3.1		●15		●22						●1	●14	●14	●12	●15	●15	●15		K 1
3.2		●8		●18						●1	●8	●8	●7	●8	●8	●8		K 2
3.3		●15		●25						●1	●12	●12	●10	●15	●15	●15		K 3
3.4		●8		●18						●1			●5	●8	●8	●8		K 4
4.1			●10	●15					■35					●10			●10	S 1
4.2			●5	●7										●5			●5	S 2
4.3																		S 3
5.1			●12	●18					■20					●12			●12	S 1
5.2			●5	●8					●8					●5			●5	S 2
5.3																		S 3
6.1						■12			●25	●1			●4	■12				N 3
6.2						●30				●1	●16	●16	●10	■30				N 4
6.3						■20			●40	●1	●12	●12	●7	■20				N 3
6.4										●1			●2					N 4
7.1			■16						■55					■16			■16	N 1
7.2			■35						■55	●1	●20	●20	●12	■35			■35	N 1
7.3			■20	■30					■40	●1	●12	●12	●7	■20			■20	N 1
7.4			■15	■22					●25	●1			●5	■15			■15	N 2
8.1														●30				O
8.2										●1	●8	●8	●5					O
8.3										●1			●3					O
9.1																		H
10.1																		O



	UNC	UNC	UNC	UNC	UNF	UNF	UNF	UNF	UNF	UNF	UNF	UNF	UNF	UNF	UNF	UN	BSW		
	DIN 2184-1	ISO 529	DORMER DIN	DIN 2184-1	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	DIN 2184-1	ISO 529	DIN 351	
	2B	2B	2B	2BX	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	Medium	2BX	2B	Medium	
	HSS-E PM	HSS-E PM	HSS	HSS-E	HSS	HSS-E PM	HSS-E PM	HSS	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS	HSS-E	HSS	HSS	
	C 2-3	C 2-3	C 2-3	C 2-3.5	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	C 2-3.5	C 2-3	C 2-3	
	No.4 - 1"	No.2 - 1"	No.6 - 5/8"	No.4 - 1/2"	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"	No.4 - 1/2"	1/4 - 1.5/16"	1/8 - 1"	
AMG	292	293	294	295	296	297	297	298	300	300	301	302	302	303	304	305	306	307	ISO
1.1	■25	■25	●25	■55	●1	●12	●12	●7	■25	■25	■25	■25	■25	■25	●25	■55	●7	●1	P 1
1.2	■22	■22	●22	■50	●1	●10	●10	●6	■22	■22	■22	■22	■22	■22	●22	■50	●6	●1	P 1
1.3	■18	■18	●18	■45	●1	●8	●8	●5	■18	■18	■18	■18	■18	■18	●18	■45	●5	●1	P 2
1.4	■16	■16	●15	■40	●1	●6	●6	●4	■16	■16	■16	■16	■16	■16	●15	■40	●4	●1	P 3
1.5	■10	■10		●20	●1	●5	●5	●3	■10	■10	■10	■10	■10	■10		●20	●3	●1	P 4
1.6									●5	●5	●5				●5				H 1
1.7																			H 3
1.8																			H 4
2.1	■7	●7		■18					●7	●7			■7	●7		■18			M 1
2.2	■6	●6		■15					●6	●6			■6	●6		■15			M 3
2.3	●4	●4		●10					●4	●4			●4	●4		●10			M 2
2.4																			S 2
3.1					●1	●14	●14	●12	●15	●15	●15						●12	●1	K 1
3.2			●8		●1	●8	●8	●7	●8	●8	●8				●8		●7	●1	K 2
3.3					●1	●12	●12	●10	●15	●15	●15						●10	●1	K 3
3.4					●1			●5	●8	●8	●8						●5	●1	K 4
4.1				■35					●10			●10				■35			S 1
4.2								●5				●5							S 2
4.3																			S 3
5.1				■20				●12				●12				■20			S 1
5.2				●8				●5				●5				●8			S 2
5.3																			S 3
6.1				●25	●1			●4	■12							●25	●4	●1	N 3
6.2			●30		●1	●16	●16	●10	●30						●30		●10	●1	N 4
6.3			●20	●40	●1	●12	●12	●7	■20					●20	●40	●7	●1	●1	N 3
6.4					●1			●2									●2	●1	N 4
7.1		●18	■55						■16			■16			●18	■55			N 1
7.2		●35	■55	●1	●20	●20	●12	■35			■35			●35	■55	●12	●1	●1	N 1
7.3			■40	●1	●12	●12	●7	■20			■20				■40	●7	●1	●1	N 1
7.4			●25	●1			●5	■15			■15				●25	●5	●1	●1	N 2
8.1		●30						●30							●30				O
8.2					●1	●8	●8	●5									●5	●1	O
8.3					●1			●3									●3	●1	O
9.1																			H
10.1																			O

	BSW	BSW	BSW	BSF	BSF	BSF	BA	BA	BA	G	G	G	G	G	G	G	
	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	DIN 5156	
	Medium	Medium	Medium	Medium	Medium	Medium	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
	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	2.5XD	
	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS-E PM	HSS	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	
		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	C 2-3	
	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	1/8 - 1.1/2	
AMG	308	310	311	312	313	314	315	316	317	318	319	320	321	321	322	323	ISO
1.1	●7	■20		●22	■20		●7	■20		●1	●12	●7	■25	■25	■25	■25	P 1
1.2	●6	■18	■18	●20	■18	■18	●6	■18	■18	●1	●10	●6	■22	■22	■22	■22	P 1
1.3	●5	■14	■14	●16	■14	■14	●5	■14	■14	●1	●8	●5	■18	■18	■18	■18	P 2
1.4	●4	■10	■10	●12	■10	■10	●4	■10	■10	●1	●6	●4	■16	■16	■16	■16	P 3
1.5	●3	●5	●5	●7	●5	●5	●3	●5	●5	●1	●5	●3	■10	■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			●12			●12			●1	●14	●12	●15	●15	●15		K 1
3.2	●7			●7			●7			●1	●8	●7	●8	●8	●8		K 2
3.3	●10			●10			●10			●1	●12	●10	●15	●15	●15		K 3
3.4	●5			●5			●5			●1		●5	●8	●8	●8		K 4
4.1													●10			●10	S 1
4.2													●5			●5	S 2
4.3		●3			●3			●3									S 3
5.1		●10			●10			●10					●12			●12	S 1
5.2		●4	●4		●4	●4		●4	●4				●5			●5	S 2
5.3																	S 3
6.1	●4	●10		■12	●10		●4	●10		●1		●4	■12				N 3
6.2	●10			●30			●10			●1	●16	●10	●30				N 4
6.3	●7	●15		●20	●15		●7	●15		●1	●12	●7	■20				N 3
6.4	●2			●4			●2			●1		●2					N 4
7.1		●10	●10		●10	●10		●10	●10				■16			■16	N 1
7.2	●12	●25	●25	●35	●25	●25	●12	●25	●25	●1	●20	●12	■35			■35	N 1
7.3	●7	●13	●13	●20	●13	●13	●7	●13	●13	●1	●12	●7	■20			■20	N 1
7.4	●5	●10	●10	●15	●10	●10	●5	●10	●10	●1		●5	■15			■15	N 2
8.1		●20			●20			●20					●30				O
8.2	●5			●12			●5			●1	●8	●5					O
8.3	●3			●7			●3			●1		●3					O
9.1																	H
10.1																	O

	G	G	G	EGM	EGM	Rc	NPT	NPT	NPT	NPT	NPT	NPTF	NPSF	NPSF	NPSM	PG	
	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	6H	6H	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
	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 PM	HSS-E PM	HSS-E PM	HSS	HSS	HSS	HSS-E PM	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	C 2-3		
	$\lambda 45^\circ$	$\lambda 40^\circ$	$\lambda 45^\circ$		$\lambda 40^\circ$							$\lambda 27^\circ$					
		SHARK LINE															
	EX41	E382	E043	E620	E621	E550	E714	E710	E721	E711	E653	E712	E709	E720	E708	E243	
	1/8 - 1.1/2	1/8 - 1"	1/8 - 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	
AMG	323	324	325	326	327	328	329	330	330	331	332	333	334	334	335	336	ISO
1.1	■25		■25	●7		●22	●4	●4	●4	●4	●25	●4	●4	●4	●4	●12	P 1
1.2	■22		■22	●6	●18	●20	●4	●4	●4	●4	●22	●4	●4	●4	●4	●10	P 1
1.3	■18		■18	●5	●14	●16	■6	■6	■6	■6	●18	■6	■6	■6	■6	●8	P 2
1.4	■16		■16	●4	●10	●12	■5	■5	■5	■5	●15	■5	■5	■5	■5	●6	P 3
1.5	■10	●7	■10	●3	●5	●7	●3	●3	●3	●3		●3	●3	●3	●3	●5	P 4
1.6			●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	●12	K 3
3.4				●5		■5	●4	●4	■4	●4		●4	●4	■4	●4		K 4
4.1																	S 1
4.2																	S 2
4.3																	S 3
5.1																	S 1
5.2					●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				●10							●18						N 1
7.2				●12	●25	●35					●35					●20	N 1
7.3				●7	●13	●20	●11	●11	●11	●11		●11	●11	●11	●11	●12	N 1
7.4				●5	●10	●15	●7	●7	●7	●7		●7	●7	●7	●7		N 2
8.1							●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

												
	L119	L126	L113	L114	L115	L000	L001	L002	L120	L110	L112	
	Set	Set	Set	Set	Set	Set	Set	Set	Set	16.00 - 4"	BT1 - No.7	
AMG	337	338	339	340	341	342	343	344	345	348	349	ISO
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

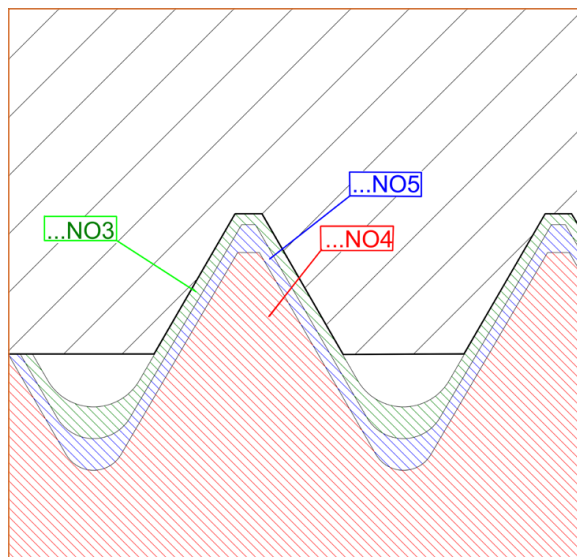
NO1 =		<b>A</b> 6-8	
NO2 =		<b>B</b> 4-6	
NO3 =		<b>C</b> 2-3	

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



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

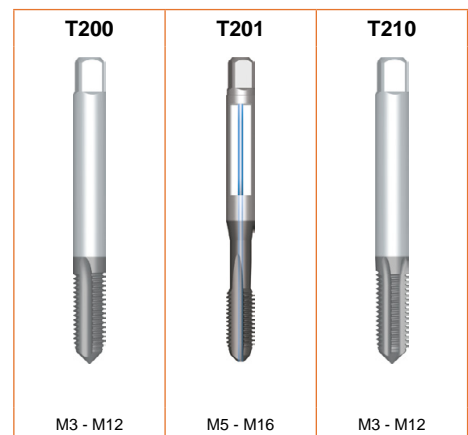
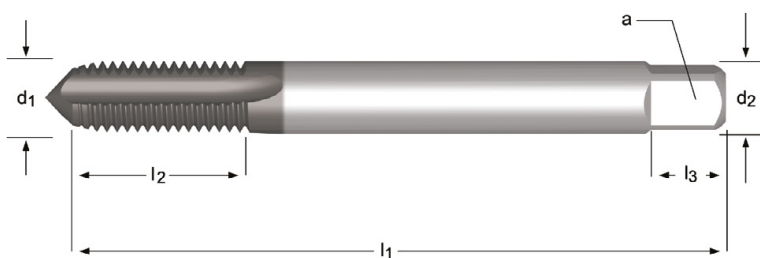
- T200**
- M Machine Tap Straight Flute
  - M Machos de máquina Estrias rectas
  - M Macho de Máquina Canais Direitos
  - M Tarauds machine Goujures droites

- T201**
- M Machine Tap Straight flute, Internal Coolant
  - M Machos de Máq. Estrias Rectas, Refrigeración Interna
  - M Machos de Máq. Canais Direitos, Refrigeração Interna
  - M Tarauds machine goujures droites, arrosage interne


- T210**
- M Machine Tap Straight Flute
  - M Machos de máquina Estrias rectas
  - M Macho de Máquina Canais Direitos
  - M Tarauds machine Goujures droites

<b>T200</b>	▪	1.7								
	•	1.8	3.1	3.2	6.4	7.4	8.2	8.3	10.1	
<b>T201</b>	▪	3.1	3.2	7.4	10.1					
	•	3.3	3.4	6.4	7.3	8.2	8.3			
<b>T210</b>	▪	1.8								
	•	1.7								

<b>T200</b>	M	DIN 371	6H		2XD	HM	C 2-3			TiCN	
<b>T201</b>	M	DIN 371 ≤10 376 ≥12	6HX		2.5XD	HM	C 2-3			Super B	
<b>T210</b>	M	DIN 371	6HX		2XD	HM	C 2-3			TiCN	



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	T200	T201	T210
3	0.50	56	10	3.5	2.7	6	3	2.6	-	T200M3		
3	0.50	56	8	3.5	2.7	6	4	2.6	-			T210M3
4	0.70	63	11	4.5	3.4	6	5	3.4	-			T210M4
4	0.70	63	13	4.5	3.4	6	3	3.4	-	T200M4		
5	0.80	70	13.5	6.0	4.9	8	5	4.3	-			T210M5
5	0.80	70	16	6.0	4.9	8	3	4.3	-	T200M5		
5	0.80	70	16	6.0	4.9	8	4	4.3	-		T201M5	
6	1.00	80	16.5	6.0	4.9	8	5	5.1	-			T210M6
6	1.00	80	19	6.0	4.9	8	3	5.1	30	T200M6		
6	1.00	80	19	6.0	4.9	8	4	5.1	30		T201M6	
8	1.25	90	21.5	8.0	6.2	9	5	6.9	-			T210M8
8	1.25	90	22	8.0	6.2	9	3	6.9	35	T200M8		

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	T200	T201	T210
8	1.25	90	22	8.0	6.2	9	4	6.9	35		T201M8	
10	1.50	100	24	10.0	8.0	11	3	8.7	39	T200M10		
10	1.50	100	24	10.0	8.0	11	4	8.7	39		T201M10	
10	1.50	100	27	10.0	8.0	11	5	8.7				T210M10
12	1.75	110	23	9.0	7.0	10	3	10.4	-	T200M12		
12	1.75	110	23	9.0	7.0	10	4	10.4	-		T201M12	
12	1.75	110	32	12.0	9.0	12	6	10.4				T210M12
16	2.00	110	25	12.0	9.0	12	4	14.25	-		T201M16	

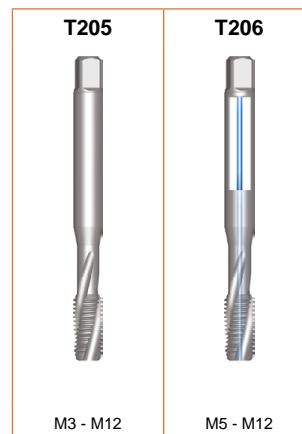
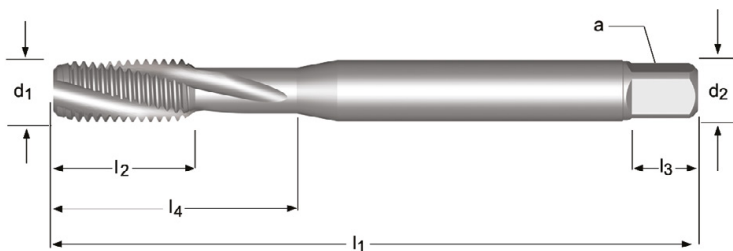


- ## T205
- M Machine Tap Spiral Flute 15°
  - M Machos de máquina Estrías helicoidales a 15°
  - M Macho de Máquina Canal Helicoidal 15°
  - M Tarauds machine goujures hélicoïdales 15°

- ## T206
- M Machine Tap Spiral Flute 15°, Internal Coolant
  - M Machos de máquina Estrías helicoidales a 15°, Refrigeración Interna
  - M Machos de Máquina Canal Helicoida 15°, Refrigeração Interna
  - M Tarauds machine goujures hélicoïdales 15°, arrosage interne

T205; T206	▪	3.3	3.4	7.3	7.4
	•	3.1	3.2	8.2	8.3

T205	M	DIN 371 ≤ 10 376 ≥ 12	6H		2XD	HM	C 2-3				
T206	M	DIN 371 ≤ 10 376 ≥ 12	6H		2.5XD	HM	C 2-3				



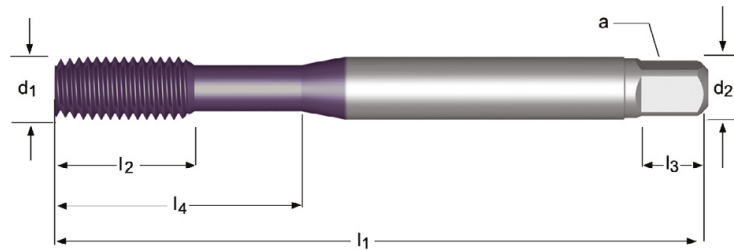
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	T205	T206
3	0.50	56	10	3.5	2.7	6	3	2.6	-	T205M3	
4	0.70	63	13	4.5	3.4	6	3	3.4	-	T205M4	
5	0.80	70	16	6.0	4.9	8	3	4.3	-	T205M5	T206M5
6	1.00	80	19	6.0	4.9	8	3	5.1	30	T205M6	T206M6
8	1.25	90	22	8.0	6.2	9	3	6.9	35	T205M8	T206M8
10	1.50	100	24	10.0	8.0	11	3	8.7	39	T205M10	T206M10
12	1.75	110	23	9.0	7.0	10	3	10.4	-	T205M12	T206M12

# T215

- M Machine Forming Tap
- M Machos de laminación
- M Machos de Máq. De Laminação
- M Tarauds machine à refouler

T215 ■ 1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 5.1 7.1 7.2 7.3  
 • 2.4 5.2 6.1 6.3

T215 M DIN 2174 6HX 3XD HM C 2-3.5 TICN

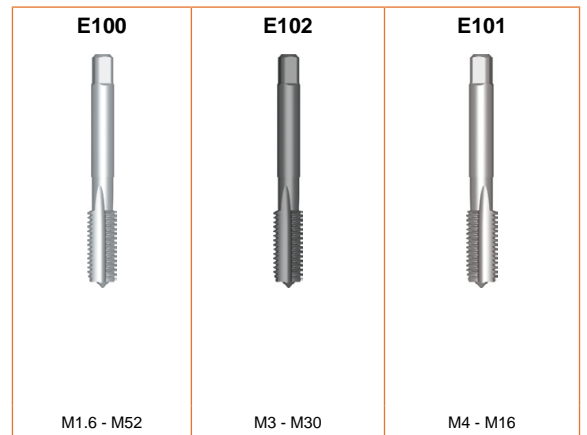
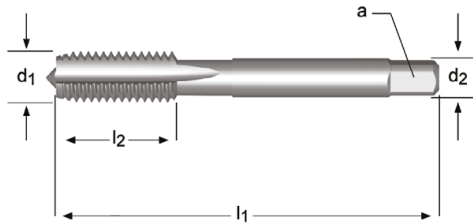


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	T215
3	0.50	56	10	3.5	2.7	6	4	2.8	-	T215M3
4	0.70	63	13	4.5	3.4	6	5	3.7	-	T215M4
5	0.80	70	16	6.0	4.9	8	5	4.6	-	T215M5
6	1.00	80	19	6.0	4.9	8	5	5.5	30	T215M6
8	1.25	90	22	8.0	6.2	9	5	7.4	35	T215M8
10	1.50	100	24	10.0	8.0	11	5	9.3	39	T215M10

- E100** • M Hand Tap Straight Flute
- E102** • M Machos de mano Estrías rectas
- E101** • M Machos Manuais Canais Direitos
- M Tarauds à main Goujures droites


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		

<b>E100</b>	M	DIN 352	6H		1.5XD	HSS	C 2-3					L119 331		L120 339
<b>E102</b>	M	DIN 352	6HX		1.5XD	HSS-E	C 2-3				ST			
<b>E101</b>	M	DIN 352	6H		1.5XD	HSS	C 2-3							



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		
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		
2.5	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		E101M4NO3
4	0.70	45	12	4.5	3.4	3	3.3	E100M4NO8	E102M4NO8	<sup>1)</sup> E101M4NO8
5	0.80	50	14	6.0	4.9	3	4.2	E100M5NO3		E101M5NO3
5	0.80	50	14	6.0	4.9	3	4.2	E100M5NO8	E102M5NO8	<sup>1)</sup> E101M5NO8
6	1.00	56	16	6.0	4.9	3	5	E100M6NO3		E101M6NO3
6	1.00	56	16	6.0	4.9	3	5	E100M6NO8	E102M6NO8	<sup>1)</sup> E101M6NO8
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

<sup>1)</sup> No4 with pilot guide / NO4 con piloto guía / NO4 com Guia Piloto / NO4 avec un pilote de guidage

M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	z		E100	E102	E101
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		

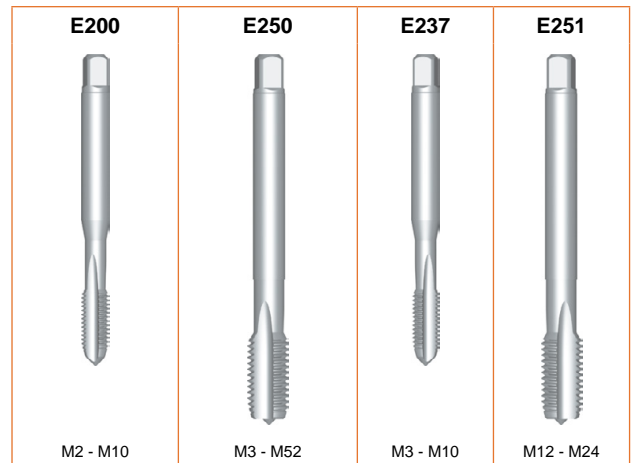
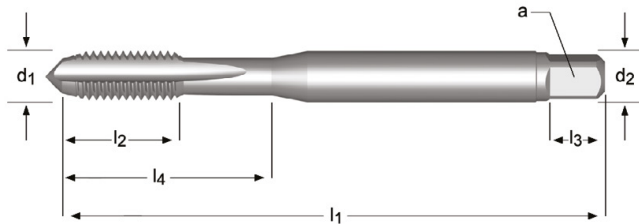
NO1 - NO9  
  
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<sup>1)</sup> No4 with pilot guide / NO4 con piloto guía / NO4 com Guia Piloto / NO4 avec un pilote de guidage



- E200** • M Machine Tap Straight Flute Supplied in HSS-E until new stock available
- E250** • M Machos de máquina Estrías rectas Suministrado en HSS-E hasta disponibilidad de nuevo stock
- E237** • M Macho de Máquina Canais Direitos Fornecido em HSS-E até disponibilidade de novo stock
- E251** • M Tarauds machine Goujures droites Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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

E200	M	DIN 371	6H		1.5XD	HSS-E PM	A 6-8 C 2-3				
E250	M	DIN 376	6H		1.5XD	HSS-E PM	A 6-8 C 2-3				
E237	M	DIN 371	6H		1.5XD	HSS-E PM	C 2-3				
E251	M	DIN 376	6H		1.5XD	HSS-E PM	C 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	E200	E250	E237	E251
2	0.40	45	6	2.8	2.1	5	3	1.6	9	E200M2			
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			
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	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	30	E200M6NO1			
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			
12	1.75	110	23	9.0	7.0	10	3	10.3			E250M12		
12	1.75	110	23	9.0	7.0	10	4	10.3		N01 - N09			E251M12

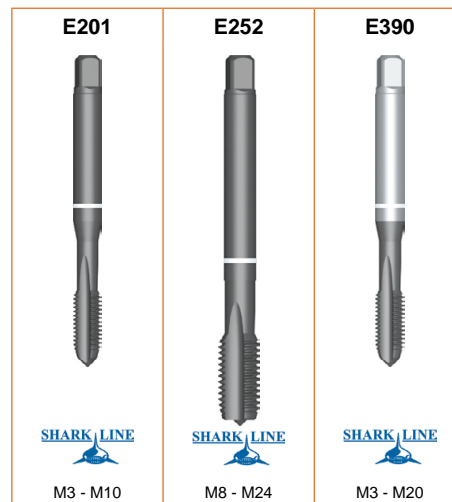
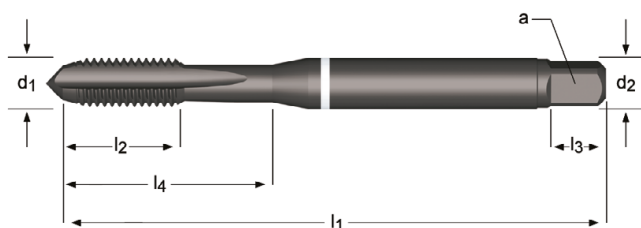
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E200	E250	E237	E251
12	1.75	110	23	9.0	7.0	10	3	10.3			E250M12NO1		
14	2.00	110	25	11.0	9.0	12	3	12.0			E250M14		
14	2.00	110	25	11.0	9.0	12	4	12.0					E251M14
14	2.00	110	25	11.0	9.0	12	3	12.0			E250M14NO1		
16	2.00	110	25	12.0	9.0	12	3	14.0			E250M16		
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			E250M16NO1		
18	2.50	125	30	14.0	11.0	14	3	15.5			E250M18	 NO1 - NO9 219	
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			E250M18NO1		
20	2.50	140	30	16.0	12.0	15	3	17.5			E250M20		
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			E250M20NO1		
22	2.50	140	34	18.0	14.5	17	4	19.5			E250M22		E251M22
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			E250M24		E251M24
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	<sup>1)</sup>	
45	4.50	220	65	36.0	29.0	32	6	40.5			E250M45	<sup>1)</sup>	
48	5.00	250	70	36.0	29.0	32	6	43.0			E250M48	<sup>1)</sup>	
52	5.00	250	70	40.0	32.0	35	6	47.0			E250M52	<sup>1)</sup>	

## E201 E252 E390

- M Machine Tap Straight Flute, White Shark
  - M Macho de máquina recto Shark (Anillo Blanco)
  - M Macho Máquina Canal Reto , Shark - Anel Branco
  - M Tarauds machine Goujures droites , Shark bague blanche
- Supplied in HSS-E until new stock available  
Suministrado en HSS-E hasta disponibilidad de nuevo stock  
Fornecido em HSS-E até disponibilidade de novo stock  
Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

E201; E252; E390	▪	3.1	3.2	3.3	8.2
	•	3.4	6.2	6.4	7.4

E201	M	DIN 371	6HX		2XD	HSS-E PM	C 2-3			ST	
E252	M	DIN 376	6HX		2XD	HSS-E PM	C 2-3			ST	
E390	M	DIN 371 < 10 376 > 12	6HX		2XD	HSS-E PM	C 2-3			TiAIN	



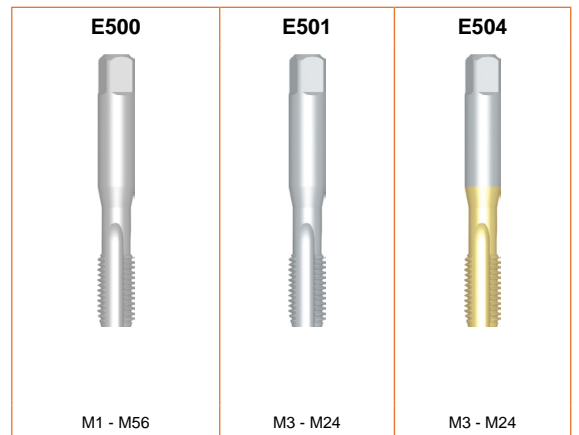
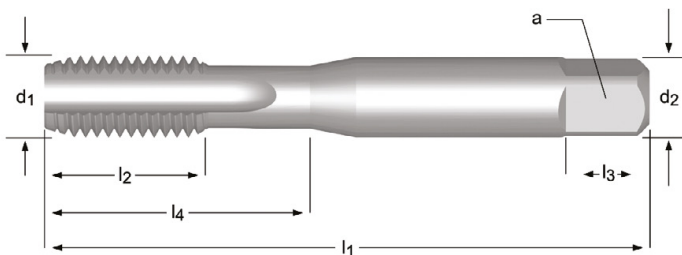
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E201	E252	E390
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E201M3		E390M3
4	0.70	63	12	4.5	3.4	6	4	3.3	21	E201M4		E390M4
5	0.80	70	13	6.0	4.9	8	4	4.2	25	E201M5		E390M5
6	1.00	80	15	6.0	4.9	8	4	5.0	30	E201M6		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 Machine Tap Straight Flute  
**E501** • M Machos de máquina Estrías rectas  
**E504** • M Macho de Máquina Canais Direitos  
 • M Tarauds machine Goujures droites


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				

<b>E500</b>	M	ISO 529	6H		1.5XD	HSS							
<b>E501</b>	M	ISO 529	6H		1.5XD	HSS							
<b>E504</b>	M	ISO 529	6H		1.5XD	HSS				TiN			






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	E500	E501	E504
1	0.25	38	4.5	2.50	2.00	4	2	0.75	4.5	E500M1NO1	<sup>1)</sup>	
1	0.25	38	4.5	2.50	2.00	4	2	0.75	4.5	E500M1NO2	<sup>1)</sup>	
1	0.25	38	4.5	2.50	2.00	4	2	0.75	4.5	E500M1NO3	<sup>1)</sup>	
1.2	0.25	38	4.5	2.50	2.00	4	2	0.95	4.5	E500M1.2NO1	<sup>1)</sup>	
1.2	0.25	38	4.5	2.50	2.00	4	2	0.95	4.5	E500M1.2NO2	<sup>1)</sup>	
1.2	0.25	38	4.5	2.50	2.00	4	2	0.95	4.5	E500M1.2NO3	<sup>1)</sup>	
1.4	0.30	40	6	2.50	2.00	4	2	1.1	6	E500M1.4NO1	<sup>1)</sup>	
1.4	0.30	40	6	2.50	2.00	4	2	1.1	6	E500M1.4NO2	<sup>1)</sup>	
1.4	0.30	40	6	2.50	2.00	4	2	1.1	6	E500M1.4NO3	<sup>1)</sup>	
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	NO1 - NO9	
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	219	
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		

<sup>1)</sup> 5H

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
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		
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		



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
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		
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	 NO1 - NO9 219	
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	
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	
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	
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	
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		

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
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		
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		

N01 - N09

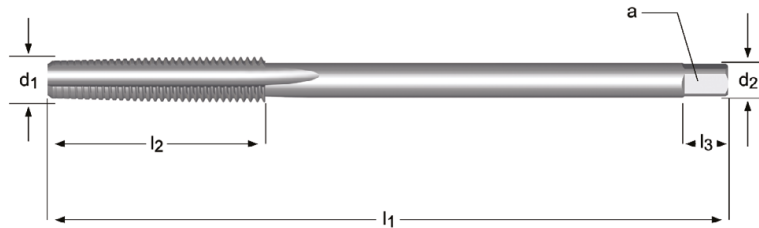


219

- E303**
- M Machine Tap Straight Flute
  - M Machos de máquina Estrías rectas
  - M Macho de Máquina Canais Direitos
  - M Tarauds machine Goujures droites

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

E303 M DIN 357 6H 2XD HSS-E D18-20 C 2-3



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	↔	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
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

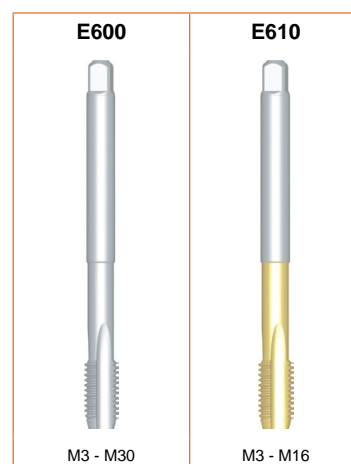
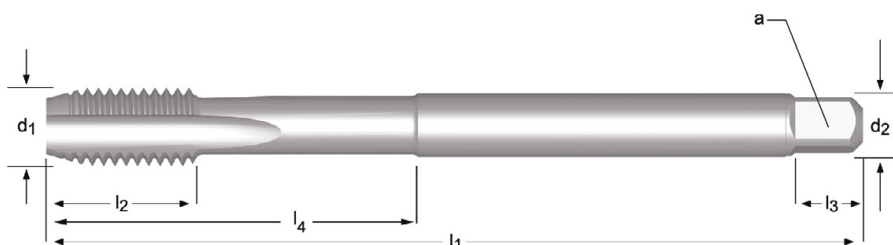
NO1 - NO9  
219

- E600** • M Machine Tap, Extra Long Straight Flute  
**E610** • M Machos de máquina Extra largo Estriás rectas  
 • M Macho de Máq., Extra Longa Canais Direitos  
 • M Tarauds machine, Extra Long Goujures droites

Supplied in HSS-E until new stock available  
 Sumistrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

<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				

<b>E600</b>	M	ISO 2283	6H		1.5XD	HSS-E PM	C 2-3			
<b>E610</b>	M	ISO 2283	6H		1.5XD	HSS-E PM	C 2-3			TIN



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	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
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	-	E600M20NO3	

N01 - N09  
  
 219

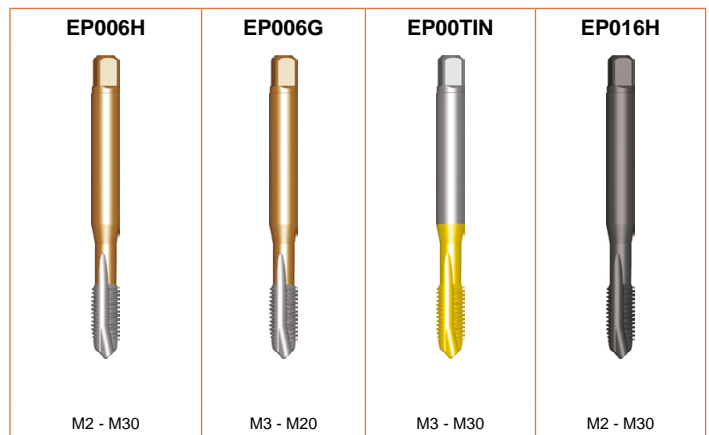
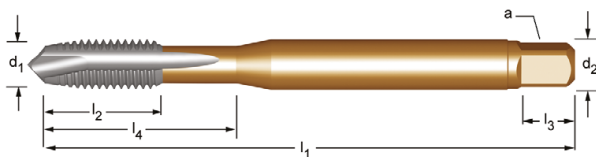
**EP006H**  
**EP006G**  
**EP00TiN**  
**EP016H**

- M Machine Tap Spiral Point
- M Machos de máquina Entrada en hélice
- M Macho de Máquina Entrada Helicoidal
- M Tarauds machine Coupe gun

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fomecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible


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			

EP006H	M	DIN 371≤10 376≥12	6H		2.5XD	HSS-E PM	B 3.5-5				L001 337	L114 334
EP006G	M	DIN 371≤10 376≥12	6G		2.5XD	HSS-E PM	B 3.5-5					
EP00TiN	M	DIN 371≤10 376≥12	6H		2.5XD	HSS-E PM	B 3.5-5			TiN		
EP016H	M	DIN 371≤10 376≥12	6H		2.5XD	HSS-E PM	B 3.5-5			ST		



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
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

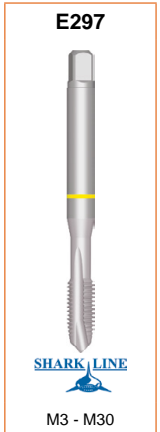
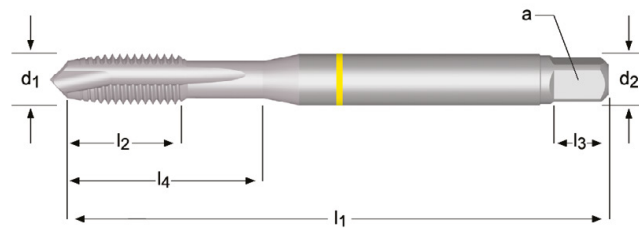


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z	 mm	l <sub>4</sub> mm	EP006H	EP006G	EP00TIN	EP016H
10	1.50	100	20	7.0	5.5	8	3	8.5	-	EP00M10DIN376			EP01M10DIN376
12	1.75	110	23	9.0	7.0	10	3	10.3	-	EP00M12	EP006GM12	EP00TINM12	EP01M12
14	2.00	110	25	11.0	9.0	12	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 Machine Tap Spiral Point, Yellow Shark
  - M Macho de máquina con entrada en hélice Shark (Anillo Amarillo)
  - M Macho Máquina Entrada Helicoidal , Shark - Anel Amarelo
  - M Tarauts machine Coupe gun, Shark bague jaune

E297 ■ 1.1 1.2 1.3 6.1 6.3  
 • 1.4 1.5 6.2

E297 M DIN 371≤10 376≥12 6H 2.5XD HSS-E PM B 3.5-5 Cr L114 334



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	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

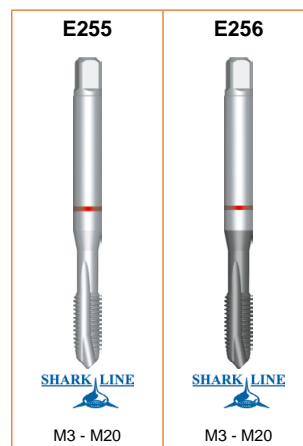
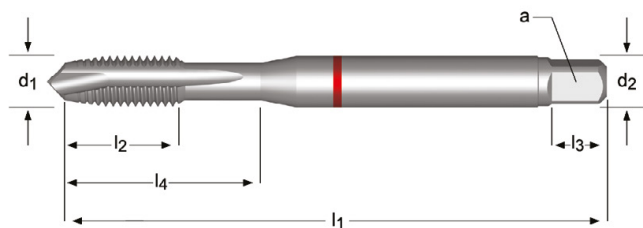
## E255 E256

- M Machine Tap Spiral Point, Red Shark
- M Macho de máquina con entrada en hélice Shark (Anillo Rojo)
- M Macho Máquina Entrada Helicoidal , Shark - Anel Vermelho
- M Tarauds machine Coupe gun , Shark bague rouge

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

E255	▪	1.4			
	•	1.5	1.6	4.2	5.2
E256	▪	1.4	1.5		
	•	1.6	4.2	5.2	

E255	M	DIN 371 ≤ 10 376 ≥ 12	6H		2.5XD	HSS-E PM	B 3.5-5				
E256	M	DIN 371 ≤ 10 376 ≥ 12	6H		2.5XD	HSS-E PM	B 3.5-5			TiAlN Top	

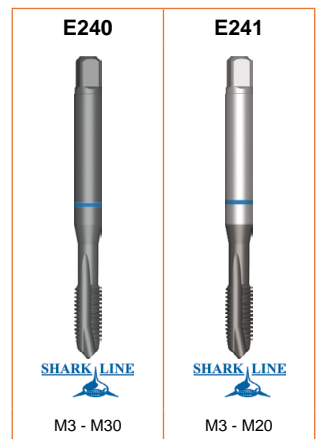
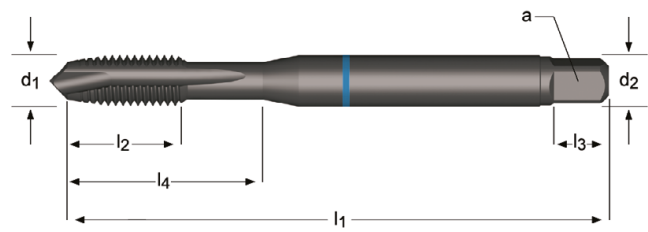


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E255	E256
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E255M3	E256M3
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E255M4	E256M4
5	0.80	70	13	6.0	4.9	8	3	4.2	25	E255M5	E256M5
6	1.00	80	15	6.0	4.9	8	3	5.0	30	E255M6	E256M6
8	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 Machine Tap Spiral Point, Blue Shark  
 • M Macho de máquina con entrada en hélice Shark (Anillo Azul)
- E241** • M Macho Máquina Entrada Helicoidal Shark - Anel Azul  
 • M Tarauts machine Coupe gun, Shark bague bleue

<b>E240</b>	▪	<b>2.1</b>	<b>2.2</b>	<b>2.3</b>	
	•	<b>1.5</b>			
<b>E241</b>	▪	<b>2.1</b>	<b>2.2</b>	<b>2.3</b>	
	•	<b>1.2</b>	<b>1.3</b>	<b>1.4</b>	<b>1.5</b>

<b>E240</b>	<b>M</b>	DIN 371≤10 376≥12	<b>6H</b>		<b>2.5XD</b>	<b>HSS-E PM</b>	<b>B</b> 3.5-5			<b>ST</b>		L114 334
<b>E241</b>	<b>M</b>	DIN 371≤10 376≥12	<b>6H</b>		<b>2.5XD</b>	<b>HSS-E PM</b>	<b>B</b> 3.5-5			<b>Super B</b>		



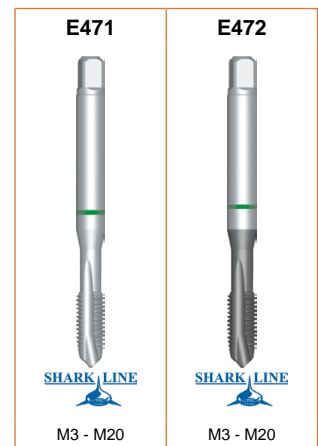
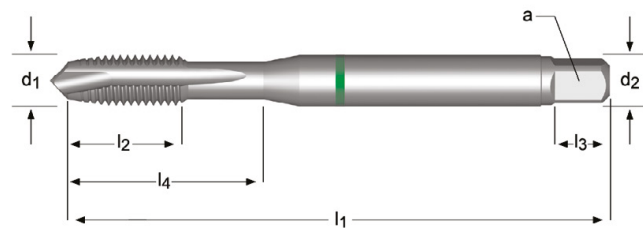
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E240	E241
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E240M3	E241M3
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E240M4	E241M4
5	0.80	70	13	6.0	4.9	8	3	4.2	25	E240M5	E241M5
6	1.00	80	15	6.0	4.9	8	3	5.0	30	E240M6	E241M6
8	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 Machine Tap Spiral Point, Green Shark  
**E472** • M Macho de máquina con entrada en hélice Shark (Anillo Verde)  
 • M Macho Máquina Entrada Helicoidal , Shark - Anel Verde  
 • M Tarauds machine Coupe gun , Shark bague verte

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

<b>E471</b>	▪	6.2	6.3	7.1	7.2	7.3	8.1
	•	1.1	1.2	1.3	6.1	7.4	
<b>E472</b>	▪	6.2	7.2	7.3	7.4		
	•	1.2	1.3	6.3	7.1	8.1	

<b>E471</b>	M	DIN 371 <sup>≤10</sup> 376 <sup>≥12</sup>	6H		2.5XD	HSS-E PM	B 3.5-5			
<b>E472</b>	M	DIN 371 <sup>≤10</sup> 376 <sup>≥12</sup>	6H		2.5XD	HSS-E PM	B 3.5-5			Super B



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

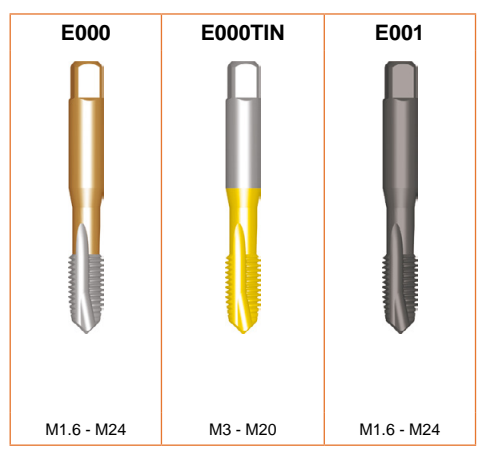
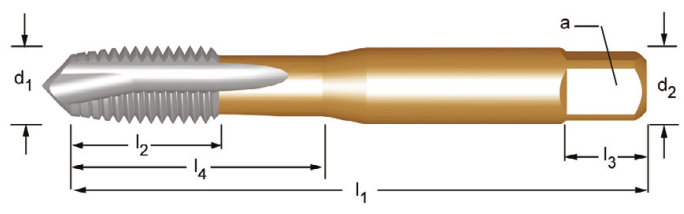
# E000 E000TIN E001

- M Machine Tap Spiral Point
- M Machos de máquina Entrada en hélice
- M Macho de Máquina Entrada Helicoidal
- M Tarauds machine Coupe gun

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

<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	8.2
<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				

<b>E000</b>	M	ISO 529	6H		2.5XD	HSS-E PM	B 3.5-5					
<b>E000TIN</b>	M	ISO 529	6H		2.5XD	HSS-E PM	B 3.5-5			TIN		
<b>E001</b>	M	ISO 529	6H		2.5XD	HSS-E PM	B 3.5-5			ST		



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	E000	E000TIN	E001
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
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

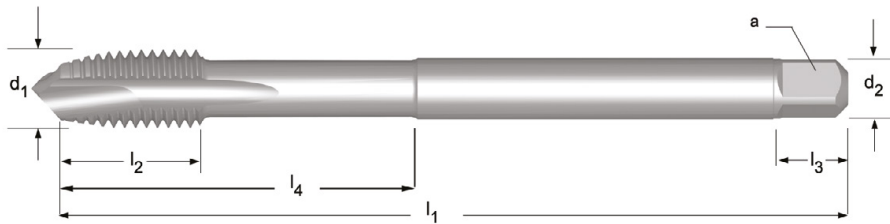
## E606

- M Machine Tap, Extra Long Spiral Point
- M Machos de máquina Extra largo Entrada en hélice
- M Macho de Máq., Extra Longa, Entrada Helicoidal
- M Tarauts machine, Extra Long, Coupe gun

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

E606 • 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 8.1

E606 M ISO 2283 6H 2.5XD HSS-E PM B 3.5-5



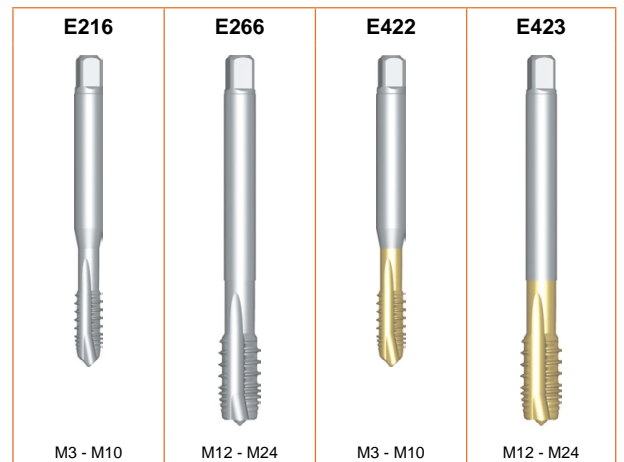
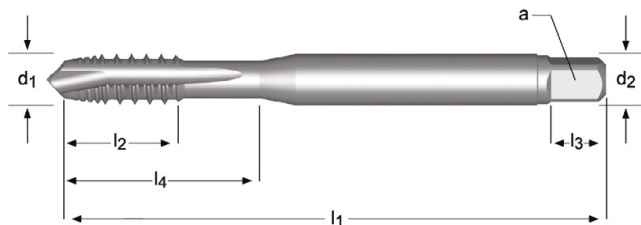
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E606
3	0.50	66	9	3.15	2.50	5	3	2.5	18	E606M3
4	0.70	73	12	3.15	2.50	5	3	3.3	-	E606M4
5	0.80	79	12	4.00	3.15	6	3	4.2	-	E606M5
6	1.00	89	14	4.50	3.55	6	3	5	-	E606M6
8	1.25	97	17	6.30	5.00	8	3	6.8	-	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 Machine Tap, Interrupted Threads Spiral Point Supplied in HSS-E until new stock available
- E266** • M Machos de máquina, dientes alternos Entrada en hélice Suministrado en HSS-E hasta disponibilidad de nuevo stock
- E422** • M Macho de Máq., Filetes Interrompidos Entrada Helicoidal Fornecido em HSS-E até disponibilidade de novo stock
- E423** • M Tarauds machine Coupe gun Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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														

E216	M	DIN 371	6H		3XD	HSS-E PM	B 3.5-5				
E266	M	DIN 376	6H		3XD	HSS-E PM	B 3.5-5				
E422	M	DIN 371	6H		3XD	HSS-E PM	B 3.5-5				
E423	M	DIN 376	6H		3XD	HSS-E PM	B 3.5-5				

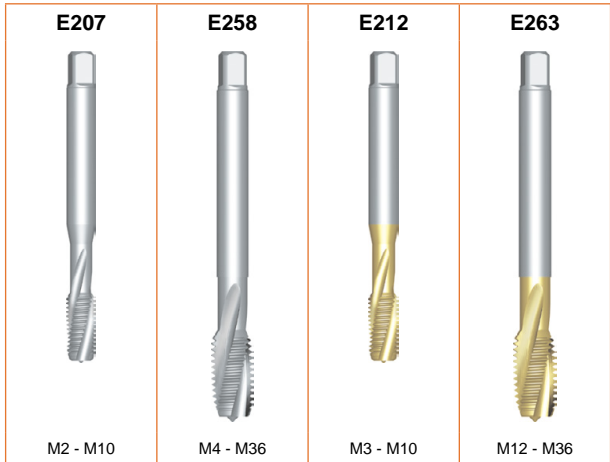
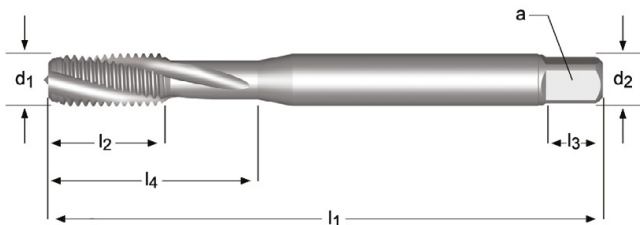


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E216	E266	E422	E423
3	0.50	56	9	3.5	2.7	6	3	2.5	18	E216M3		E422M3	
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E216M4		E422M4	
5	0.80	70	13	6.0	4.9	8	3	4.2	25	E216M5		E422M5	
6	1.00	80	15	6.0	4.9	8	3	5.0	30	E216M6		E422M6	
8	1.25	90	18	8.0	6.2	9	3	6.8	35	E216M8		E422M8	
10	1.50	100	20	10.0	8.0	11	3	8.5	39	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
20	2.50	140	30	16.0	12.0	15	3	17.5			E266M20		E423M20
24	3.00	160	38	18.0	14.5	17	4	21.0			E266M24		E423M24


- E207** • M Machine Tap Spiral Flute 15° Supplied in HSS-E until new stock available
- E258** • M Machos de máquina Estrías helicoidales a 15° Suministrado en HSS-E hasta disponibilidad de nuevo stock
- E212** • M Macho de Máquina Canal Helicoidal 15° Fornecido em HSS-E até disponibilidade de novo stock
- E263** • M Tarauds machine goujures hélicoidales 15° Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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

E207	M	DIN 371	6H		1.5XD	HSS-E PM	C 2-3		$\lambda 15^\circ$			
E258	M	DIN 376	6H		1.5XD	HSS-E PM	C 2-3		$\lambda 15^\circ$			
E212	M	DIN 371	6H		1.5XD	HSS-E PM	C 2-3		$\lambda 15^\circ$		TIN	
E263	M	DIN 376	6H		1.5XD	HSS-E PM	C 2-3		$\lambda 15^\circ$		TIN	



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	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	
4	0.70	63	12	2.8	2.1	5	3	3.3			E258M4	E212M4	
4	0.70	63	12	4.5	3.4	6	3	3.3	21	E207M4	E258M5	E212M4	
5	0.80	70	13	3.5	2.7	6	3	4.2			E258M6	E212M5	
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			E258M8	E212M6	
6	1.00	80	15	6.0	4.9	8	3	5	30	E207M6		E212M6	
8	1.25	90	18	6.0	4.9	8	3	6.8			E258M8	E212M8	
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
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

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
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
36	4.00	200	55	28.0	22.0	25	4	32.0			E258M36		E263M36

## EX006H

- M Machine Tap Spiral Flute 45°

Supplied in HSS-E until new stock available

## EX006G

- M Machos de máquina Estrías helicoidales a 45°

Suministrado en HSS-E hasta disponibilidad de nuevo stock

## EX00TIN

- M Macho de Máquina Canal Helicoidal 45°

Fornecido em HSS-E até disponibilidade de novo stock

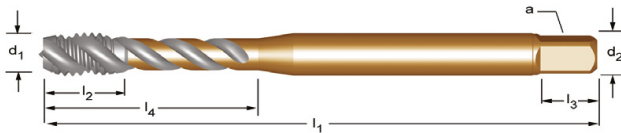
## EX016H

- M Tarauds machine goujures hélicoidales 45°


Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

EX006H; EX006G	▪	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					
EX00TIN	▪	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
EX016H	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2		
	•	2.3								

EX006H	M	DIN 371≤10 376>12	6H		2.5XD	HSS-E PM	C 2-3					
EX006G	M	DIN 371≤10 376>12	6G		2.5XD	HSS-E PM	C 2-3					
EX00TIN	M	DIN 371≤10 376>12	6H		2.5XD	HSS-E PM	C 2-3					
EX016H	M	DIN 371≤10 376>12	6H		2.5XD	HSS-E PM	C 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
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

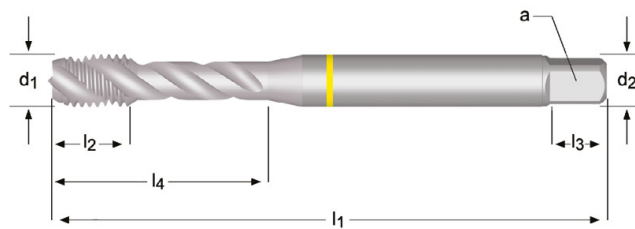
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	EX006H	EX006G	EX00TIN	EX016H
22	2.50	140	25	18.0	14.5	17	4	19.5	-	EX00M22		EX00TINM22	EX01M22
24	3.00	160	30	18.0	14.5	17	4	21	-	EX00M24		EX00TINM24	EX01M24
27	3.00	160	30	20.0	16.0	19	4	24	-	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	<sup>1)</sup>		EX01M42 <sup>1)</sup>
48	5.00	250	50	36.0	29.0	32	4	43	-	EX00M48	<sup>1)</sup>		EX01M48 <sup>1)</sup>
52	5.00	250	50	40.0	32.0	35	5	47	-	EX00M52	<sup>1)</sup>		EX01M52 <sup>1)</sup>
56	5.50	250	55	40.0	32.0	35	5	50.5	-	EX00M56	<sup>1)</sup>		EX01M56 <sup>1)</sup>
64	6.00	315	60	50.0	39.0	42	6	58	-	EX00M64	<sup>1)</sup>		EX01M64 <sup>1)</sup>

## E298

- M Machine Tap Spiral Flute 40°, Yellow Shark
- M Macho de máquina helicoidal 40° Shark (Anillo Amarillo)
- M Macho Máquina Canal Helicoidal 40°, Shark - Anel Amarelo
- M Tarauds machine goujures hélicoidales 40°, Shark bague jaune

E298 ■ 1.1 1.2 1.3 6.1 6.3  
 • 1.4 1.5 6.2

E298 M DIN 371 ≤ 10 376 ≥ 12 6H 2XD HSS-E PM C 2-3 λ 40° Cr L114 334

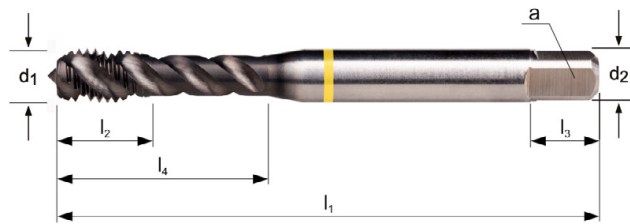


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔	l <sub>4</sub> mm	E298
3	0.50	56	6	3.5	2.7	6	3	2.5	18	E298M3
4	0.70	63	7	4.5	3.4	6	3	3.3	21	E298M4
5	0.80	70	8	6.0	4.9	8	3	4.2	25	E298M5
6	1.00	80	10	6.0	4.9	8	3	5.0	30	E298M6
8	1.25	90	13	8.0	6.2	9	3	6.8	35	E298M8
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

- E412**
- M Machine Tap Spiral Flute 48°, Back Tapered, Yellow Shark
  - M Macho de máquina helicoidal 48° Shark con chafán de salida cónica (Anillo Amarillo)
  - M Macho Máquina Canal Helicoidal 48° Shark - Anel Amarelo, Redução na Saída
  - M Tarauts machine goujures hélicoïdales 48°, Shark bague jaune, conicité arrière

E412	▪	1.1	1.2	1.3	1.4	1.5		
	•	2.1	2.2	2.3	7.1	7.2	7.3	7.4

E412	M	DIN 371≤10 376≥12	6H		3XD	HSS-E PM	C 2-3			
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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	E412
3	0.50	56	6	3.5	2.7	6	3	2.5	18	E412M3
4	0.70	63	7	4.5	3.4	6	3	3.3	21	E412M4
5	0.80	70	8	6.0	4.9	8	3	4.2	25	E412M5
6	1.00	80	10	6.0	4.9	8	3	5.0	30	E412M6
8	1.25	90	13	8.0	6.2	9	3	6.8	35	E412M8
10	1.50	100	15	10.0	8.0	11	3	8.5	39	E412M10
12	1.75	110	18	9.0	7.0	10	3	10.3	-	E412M12
14	2.00	110	20	11.0	9.0	12	3	12.0	-	E412M14
16	2.00	110	20	12.0	9.0	12	4	14.0	-	E412M16
20	2.50	140	25	16.0	12.0	15	4	17.5	-	E412M20
22	2.50	140	25	18.0	14.5	17	4	19.5	-	E412M22
24	3.00	160	30	18.0	14.5	17	4	21.0	-	E412M24
27	3.00	160	30	20.0	16.0	19	4	24.0	-	E412M27
30	3.50	180	36	22.0	18.0	21	4	26.5	-	E412M30

## E260 E261

- M Machine Tap Spiral Flute 45°, Back Tapered, Red Shark
- M Macho de máquina helicoidal 45° Shark con chaflán de salida cónica (Anillo Rojo)
- M Macho Máquina Canal Helicoidal 45° Shark - Anel Vermelho, Redução na Saída
- M Tarauds machine goujures hélicoidales 45°, Shark bague rouge, conicité arrière

Supplied in HSS-E until new stock available

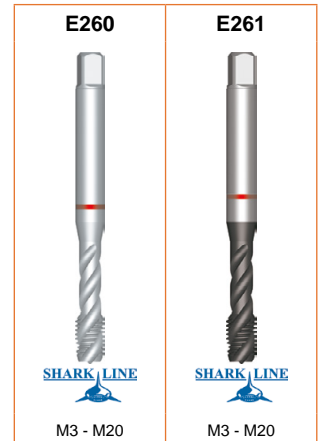
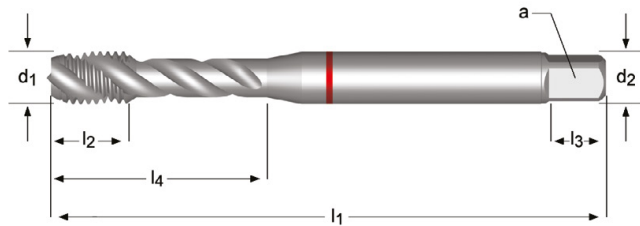
Suministrado en HSS-E hasta disponibilidad de nuevo stock

Fornecido em HSS-E até disponibilidade de novo stock

Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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

E260	M	DIN 371≤10 376≥12	6H		2.5XD	HSS-E PM	C 2-3		λ45°			
E261	M	DIN 371≤10 376≥12	6H		2.5XD	HSS-E PM	C 2-3		λ45°		TAIN Top	



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	6	3.5	2.7	6	3	2.5	18	E260M3	E261M3
4	0.70	63	7	4.5	3.4	6	3	3.3	21	E260M4	E261M4
5	0.80	70	8	6.0	4.9	8	3	4.2	25	E260M5	E261M5
6	1.00	80	10	6.0	4.9	8	3	5.0	30	E260M6	E261M6
8	1.25	90	12	8.0	6.2	9	3	6.8	35	E260M8	E261M8
10	1.50	100	15	10.0	8.0	11	3	8.5	39	E260M10	E261M10
12	1.75	110	16	9.0	7.0	10	3	10.3	-	E260M12	E261M12
14	2.00	110	20	11.0	9.0	12	3	12.0	-	E260M14	-
16	2.00	110	20	12.0	9.0	12	4	14.0	-	E260M16	E261M16
20	2.50	140	25	16.0	12.0	15	4	17.5	-	E260M20	E261M20



# E238 E239

- M Machine Tap Spiral Flute 40°, Back Tapered, Blue Shark
- M Macho de máquina helicoidal 40° Shark con chaflán de salida cónica (Anillo Azul)
- M Macho Máquina Canal Helicoidal 40° Shark - Anel Azul, Redução na Saída
- M Tarauds machine goujures hélicoïdales 40°, Shark bague bleue, conicité arrière

Supplied in HSS-E until new stock available

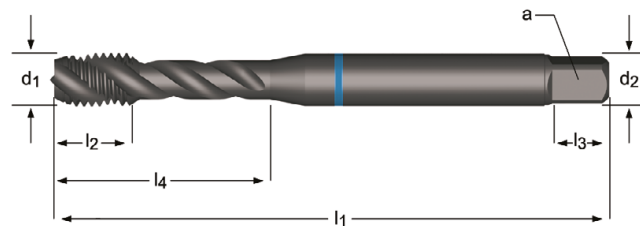
Suministrado en HSS-E hasta disponibilidad de nuevo stock

Fornecido em HSS-E até disponibilidade de novo stock

Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

E238	▪	2.1	2.2	2.3	
	•	1.5			
E239	▪	2.1	2.2	2.3	
	•	1.2	1.3	1.4	1.5

E238	M	DIN 371 ≤ 10 376 ≥ 12	6H		2.5XD	HSS-E PM	C 2-3	λ 40°		ST	
E239	M	DIN 371 ≤ 10 376 ≥ 12	6H		2.5XD	HSS-E PM	C 2-3	λ 40°		Super B	



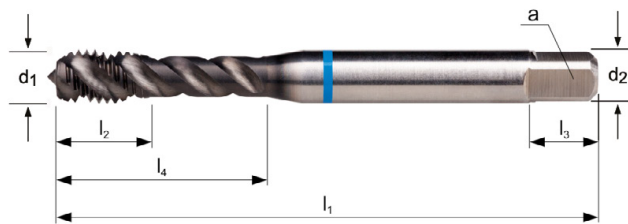
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E238	E239
3	0.50	56	6	3.5	2.7	6	3	2.5	18	E238M3	E239M3
4	0.70	63	7	4.5	3.4	6	3	3.3	21	E238M4	E239M4
5	0.80	70	8	6.0	4.9	8	3	4.2	25	E238M5	E239M5
6	1.00	80	10	6.0	4.9	8	3	5.0	30	E238M6	E239M6
8	1.25	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	

## E414

- M Machine Tap Spiral Flute 48°, Back Tapered, Blue Shark
- M Macho de máquina helicoidal 48° Shark con chaflán de salida cónica (Anillo Azul)
- M Macho Máquina Canal Helicoidal 48° Shark - Anel Azul, Redução na Saída
- M Tarauds machine goujures hélicoidales 48°, Shark bague bleue, conicité arrière

E414 ■ 2.1 2.2 2.3 2.4  
 • 1.3 1.4 1.5

E414 M DIN 371≤10 376≥12 6H 3XD HSS-E PM C 2-3 λ48° Super B



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	E414
3	0.50	56	6	3.5	2.7	6	3	2.5	18	E414M3
4	0.70	63	7	4.5	3.4	6	3	3.3	21	E414M4
5	0.80	70	8	6.0	4.9	8	3	4.2	25	E414M5
6	1.00	80	10	6.0	4.9	8	3	5.0	30	E414M6
8	1.25	90	13	8.0	6.2	9	3	6.8	35	E414M8
10	1.50	100	15	10.0	8.0	11	3	8.5	39	E414M10
12	1.75	110	18	9.0	7.0	10	3	10.3	-	E414M12
14	2.00	110	20	11.0	9.0	12	3	12.0	-	E414M14
16	2.00	110	20	12.0	9.0	12	4	14.0	-	E414M16
20	2.50	140	25	16.0	12.0	15	4	17.5	-	E414M20

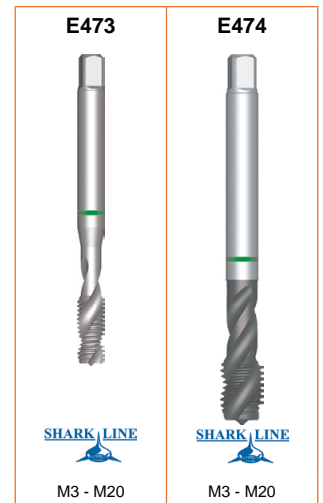
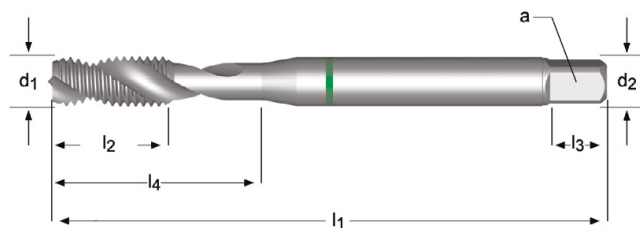
# E473 E474

- M Machine Tap Spiral Flute 35°, Green Shark
- M Macho de máquina helicoidal 35° Shark (Anillo Verde)
- M Macho Máquina Canal Helicoidal 35°, Shark - Anel Verde
- M Tarauds machine goujures hélicoïdales 35°, Shark bague verte

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

E473	▪	6.2	6.3	7.1	7.2	7.3	8.1
	•	1.1	1.2	1.3	6.1	7.4	
E474	▪	6.2	7.2	7.3	7.4		
	•	1.2	1.3	6.3	7.1	8.1	

E473	M	DIN 371≤10 376≥12	6H		2.5XD	HSS-E PM	C 2-3				
E474	M	DIN 371≤10 376≥12	6H		2.5XD	HSS-E PM	C 2-3			Super B	



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	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

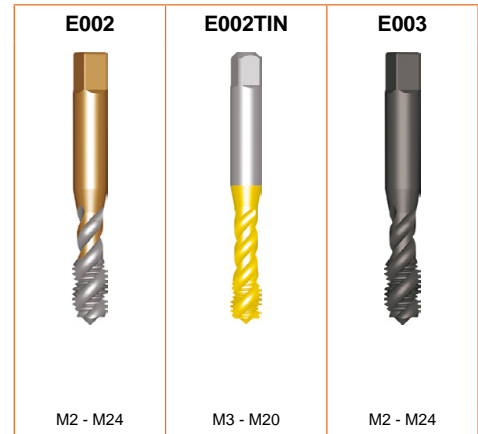
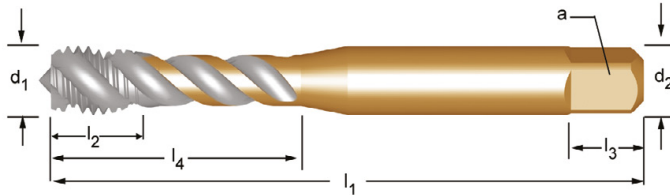
# E002 E002TIN E003

- M Machine Tap Spiral Flute 45°
- M Machos de máquina Estrias helicoidales a 45°
- M Macho de Máquina Canal Helicoidal 45°
- M Tarauds machine goujures hélicoidales 45°

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

E002	▪	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						
E002TIN	▪	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	
E003	▪	1.1	1.2	1.3	1.4	1.5					
	•	2.1	2.2	2.3							

E002	M	ISO 529	6H		2.5XD	HSS-E PM	C 2-3	$\lambda 45^\circ$			L002 338	L113 333
E002TIN	M	ISO 529	6H		2.5XD	HSS-E PM	C 2-3	$\lambda 45^\circ$		TIN		
E003	M	ISO 529	6H		2.5XD	HSS-E PM	C 2-3	$\lambda 45^\circ$		ST	L113 333	

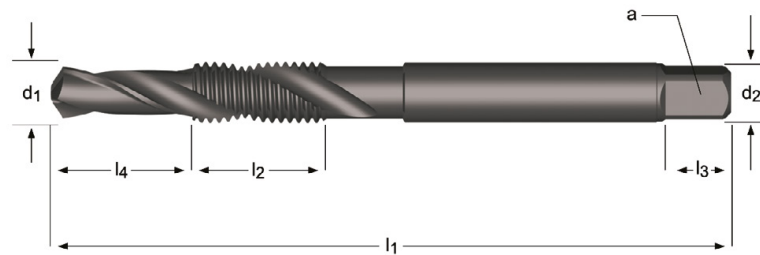


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E002	E002TIN	E003
2	0.40	41	8	2.50	2.00	4	2	1.6	8	E002M2		E003M2
2.5	0.45	44.5	9.5	2.80	2.24	5	2	2.05	9.5	E002M2.5		E003M2.5
3	0.50	48	6	3.15	2.50	5	3	2.5	12.5	E002M3	E002TINM3	E003M3
4	0.70	53	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
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 Combi Taps Spiral Flute 30°
  - M Combinación broca-macho Estrías helicoidales a 30°
  - M Macho Broca Canal Helicoidal 30°
  - M Foret taraudeur goujures hélicoïdales 30°

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

E650 M DORMER ISO 6H 1.5XD HSS C 2-3 λ 30° ST L126 332



M	P mm	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	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

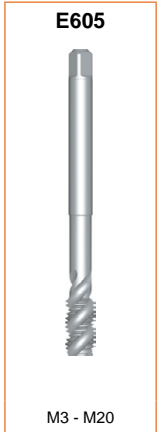
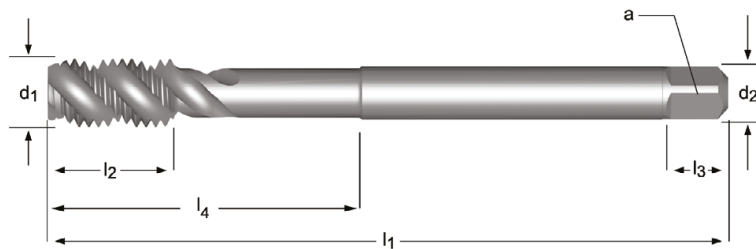
## E605

- M Machine Tap, Extra Long Spiral Flute 40°
- M Machos de máquina Extra largo Estriás helicoidales a 40°
- M Macho de Máq., Extra Longa Canal Helicoidal 40°
- M Tarauts machine, Extra Long goujures hélicoidales 40°

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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

E605 M ISO 2283 6H 2XD HSS-E PM C 2-3 λ40°



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 E292

- M Machine Forming Tap
- M Machos de laminación
- M Machos de Máq. De Laminación
- M Tarauts machine à refouler

# E294

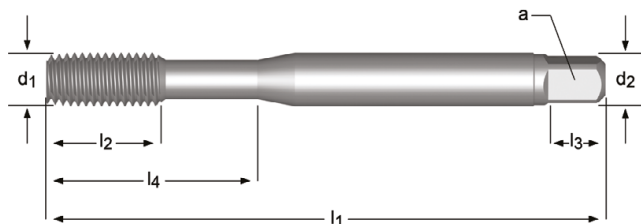
- M Machine Forming Tap, Oil Grooves
- M Machos de laminación, con ranuras de lubricación
- M Machos de Máq. De Laminación, Rasgos p/ Lubr.
- M Tarauts machine à refouler, rainures de lubrification

# E289

- M Machine Forming Tap, Oil Grooves and Internal Coolant
- M Machos de laminación, con ranuras de lubricación y Refrigeración Interna
- M Machos de Máq. De Laminación, Rasgos p/ Lubr. E Refrigeração Interna
- M Tarauts machine à refouler, rainures de lubrification et arrosage interne

E291	▪	1.1	1.2	1.3	1.4	7.1	7.2					
	•	7.3										
E292; E294; E289	▪	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					

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	
E294	M	DIN 2174	6HX		3.5XD	HSS-E	C 2-3.5			TIN	
E289	M	DIN 2174	6HX		3.5XD	HSS-E	C 2-3.5			TIN	



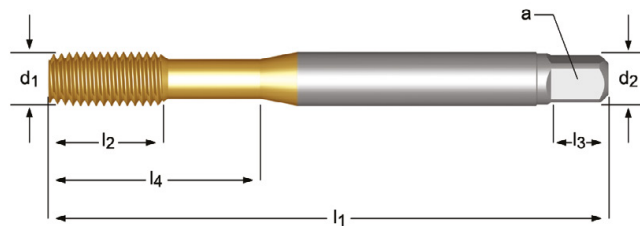
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E291	E292	E294	E289
1.6	0.35	40	8	2.5	2.1	5	3	1.4	-	E291M1.6	E292M1.6		
2	0.40	45	6	2.8	2.1	5	3	1.8	11	E291M2	E292M2		
2.5	0.45	50	8	2.8	2.1	5	3	2.3	12.5	E291M2.5	E292M2.5		
3	0.50	56	9	3.5	2.7	6	4	2.8	18	E291M3	E292M3	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	E294M4	
5	0.80	70	13	6.0	4.9	8	5	4.6	25	E291M5	E292M5	E294M5	E289M5
6	1.00	80	15	6.0	4.9	8	5	5.5	30	E291M6	E292M6	E294M6	E289M6
8	1.25	90	18	8.0	6.2	9	5	7.4	35	E291M8	E292M8	E294M8	E289M8
10	1.50	100	20	10.0	8.0	11	5	9.3	39	E291M10	E292M10	E294M10	E289M10
12	1.75	110	23	9.0	7.0	10	5	11.2	-	E291M12	E292M12	E294M12	E289M12
14	2.00	110	25	11.0	9.0	12	6	13.0	-			E294M14	
16	2.00	110	25	12.0	9.0	12	6	15.0	-	E291M16	E292M16	E294M16	

## E293

- M Machine Forming Tap
- M Machos de laminación
- M Machos de Máq. De Laminação
- M Tarauds machine à refouler

E293	▪	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					


E293 **M** **DIN 2174** **6HX** **3XD** **HSS-E** **E 1.5-2**    



E293



M3 - M16

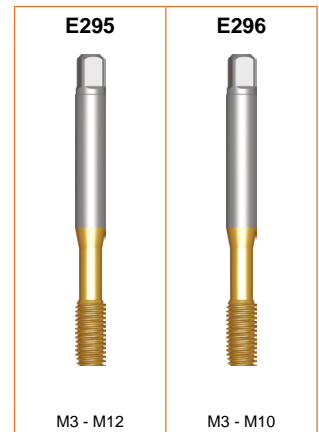
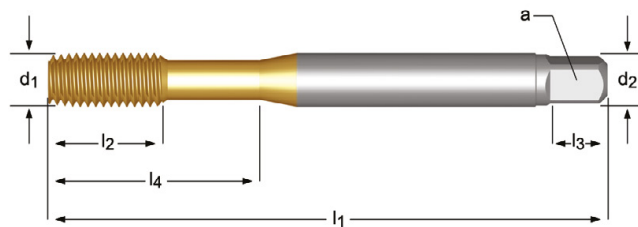
M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E293
3	0.50	56	9	3.5	2.7	6	4	2.8	18	E293M3
4	0.70	63	12	4.5	3.4	6	5	3.7	21	E293M4
5	0.80	70	13	6.0	4.9	8	5	4.6	25	E293M5
6	1.00	80	15	6.0	4.9	8	5	5.5	30	E293M6
8	1.25	90	18	8.0	6.2	9	5	7.4	35	E293M8
10	1.50	100	20	10.0	8.0	11	5	9.3	39	E293M10
12	1.75	110	23	9.0	7.0	10	5	11.2	-	E293M12
16	2.00	110	25	12.0	9.0	12	6	15.0	-	E293M16



- E295** • M Machine Forming Tap  
 • M Machos de laminación  
**E296** • M Machos de Máq. De Laminación  
 • M Tarauds machine à refouler

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

E295	M	DIN 2174	6GX		3XD	HSS-E	C 2-3.5			TIN	
E296	M	DIN 2174	6GX		3XD	HSS-E	E 1.5-2			TIN	

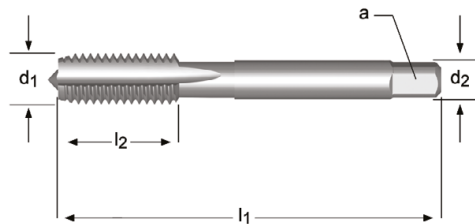


M	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∇ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E295	E296
3	0.50	56	9	3.5	2.7	6	4	2.8	18	E295M3	E296M3
3.5	0.60	56	11	4.0	3.0	6	4	3.2	20	E295M3.5	
4	0.70	63	12	4.5	3.4	6	5	3.7	21	E295M4	E296M4
5	0.80	70	13	6.0	4.9	8	5	4.6	25	E295M5	E296M5
6	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 Hand Tap Straight Flute
  - MF Machos de mano Estrías rectas
  - MF Machos Manuais Canais Direitos
  - MF Tarauls à main Goujures droites


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

E105 MF DIN 2181 6H 1.5XD HSS C 2-3




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
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

N01 - N09  
219

MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	z		E105
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
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

NO1 - NO9  
219

MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	z		E105
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

NO1 - NO9



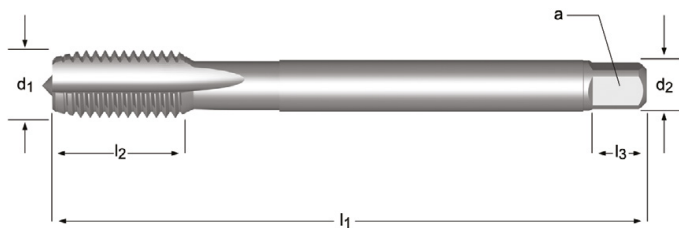
219

# E268 E242 E290


- MF Machine Tap Straight Flute Supplied in HSS-E until new stock available
- MF Machos de máquina Estrías rectas Suministrado en HSS-E hasta disponibilidad de nuevo stock
- MF Macho de Máquina Canais Direitos Fomecido em HSS-E até disponibilidade de novo stock
- MF Tarauds machine Goujures droites Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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

E268	MF	DIN 374	6H		1.5XD	HSS-E PM	C 2-3				
E242	MF	DIN 371	6H		1.5XD	HSS-E PM	C 2-3				
E290	MF	DIN 374	6H		1.5XD	HSS-E PM	C 2-3				



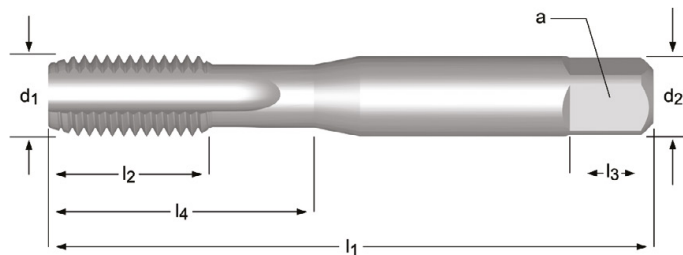
MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E268	E242	E290
4	0.50	63	10	2.8	2.1	5	3	3.5		E268M4X.5		
5	0.50	70	13	3.5	2.7	6	3	4.5		E268M5X.5		
6	0.75	80	15	4.5	3.4	6	3	5.3		E268M6X.75		
7	0.75	80	15	5.5	4.3	7	3	6.3		E268M7X.75		
8	0.75	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 <sup>1)</sup>		
42	2.00	170	30	32.0	24.0	27	4	40.0		E268M42X2.0 <sup>1)</sup>		
42	3.00	200	60	32.0	24.0	27	4	39.0		E268M42X3.0 <sup>1)</sup>		
45	1.50	180	32	36.0	29.0	32	6	43.5		E268M45X1.5 <sup>1)</sup>		
45	2.00	180	32	36.0	29.0	32	6	43.0		E268M45X2.0 <sup>1)</sup>		
45	3.00	200	42	36.0	29.0	32	6	42.0		E268M45X3.0 <sup>1)</sup>		
48	1.50	190	32	36.0	29.0	32	6	46.5		E268M48X1.5 <sup>1)</sup>		
48	2.00	190	32	36.0	29.0	32	6	46.0		E268M48X2.0 <sup>1)</sup>		
48	3.00	225	50	36.0	29.0	32	6	45.0		E268M48X3.0 <sup>1)</sup>		
50	1.50	190	32	36.0	29.0	32	6	48.5		E268M50X1.5 <sup>1)</sup>		
50	2.00	190	30	36.0	29.0	32	6	48.0		E268M50X2.0 <sup>1)</sup>		
50	3.00	225	50	36.0	29.0	32	6	47.0		E268M50X3.0 <sup>1)</sup>		

- E513**
- MF Machine Tap Straight Flute
  - MF Machos de máquina Estrías rectas
  - MF Macho de Máquina Canais Direitos
  - MF Tarauds machine Goujures droites

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


E513 MF ISO 529 6H 1.5XD HSS




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
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  
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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
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.75NO3
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
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



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	-	E513M18X1.5NO7
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
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

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
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

N01 - N09



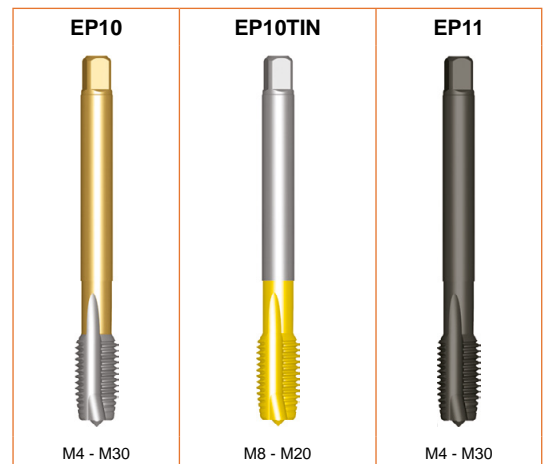
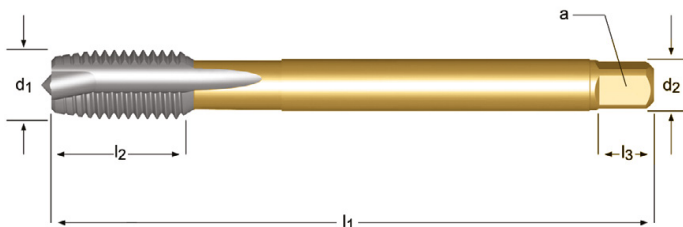
219

# EP10 EP10TIN EP11


- MF Machine Tap Spiral Point Supplied in HSS-E until new stock available
- MF Machos de máquina Entrada en hélice Suministrado en HSS-E hasta disponibilidad de nuevo stock
- MF Macho de Máquina Entrada Helicoidal Fornecido em HSS-E até disponibilidade de novo stock
- MF Tarauds machine Coupe gun Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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
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			

EP10	MF	DIN 374	6H		2.5XD	HSS-E PM	B 3.5-5				
EP10TIN	MF	DIN 374	6H		2.5XD	HSS-E PM	B 3.5-5				
EP11	MF	DIN 374	6H		2.5XD	HSS-E PM	B 3.5-5				



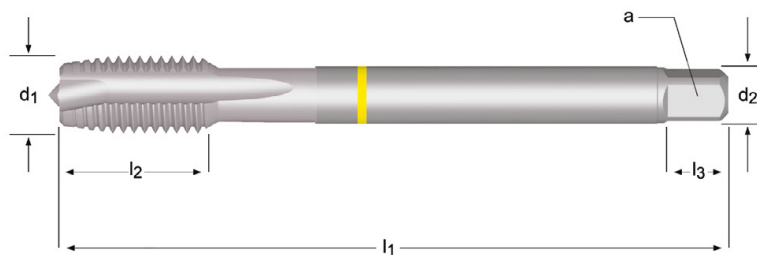
MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> mm	□ a mm	l <sub>3</sub> mm	z		EP10	EP10TIN	EP11
4	0.50	63	12	2.8	2.1	5	3	3.5	EP10M4X.5		EP11M4X.5
5	0.50	70	13	3.5	2.7	6	3	4.5	EP10M5X.5		EP11M5X.5
6	0.75	80	15	4.5	3.4	6	3	5.3	EP10M6X.75		EP11M6X.75
8	0.75	80	15	6.0	4.9	8	3	7.3	EP10M8X.75		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 Machine Tap Spiral Point, Yellow Shark
  - MF Macho de máquina con entrada en hélice Shark (Anillo Amarillo)
  - MF Macho Máquina Entrada Helicoidal, Shark - Anel Amarelo
  - MF Tarauts machine Coupe gun, Shark bague jaune

E299 ■ 1.1 1.2 1.3 6.1 6.3  
 • 1.4 1.5 6.2

E299 MF DIN 374 6H 2.5XD HSS-E PM B 3.5-5 Cr



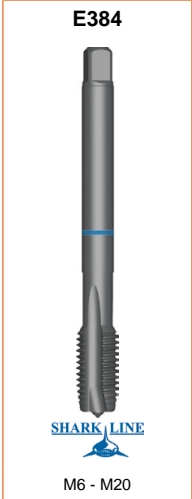
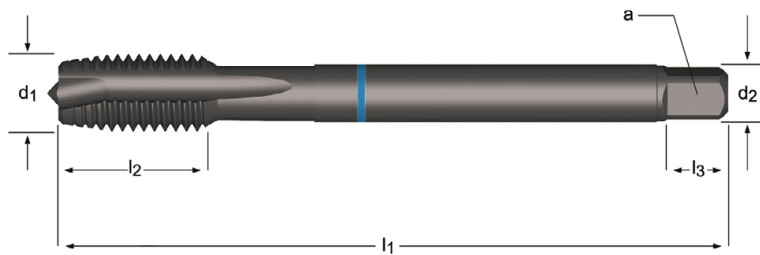
MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔	E299
4	0.50	63	12	2.8	2.1	5	3	3.5	E299M4X.5
5	0.50	70	13	3.5	2.7	6	3	4.5	E299M5X.5
6	0.75	80	15	4.5	3.4	6	3	5.3	E299M6X.75
8	0.75	80	15	6.0	4.9	8	3	7.3	E299M8X.75
8	1.00	90	18	6.0	4.9	8	3	7.0	E299M8X1.0
10	0.75	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

- MF Machine Tap Spiral Point, Blue Shark
- MF Macho de máquina con entrada en hélice Shark (Anillo Azul)
- MF Macho Máquina Entrada Helicoidal Shark - Anel Azul
- MF Tarauts machine Coupe gun, Shark bague bleue

E384 ■ 2.1 2.2 2.3  
 • 1.5

E384 MF DIN 374 6H 2.5XD HSS-E PM B 3.5-5 ST



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	↔	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

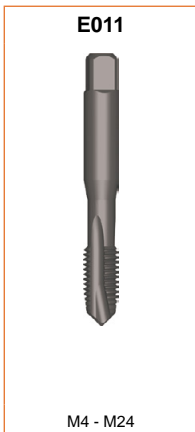
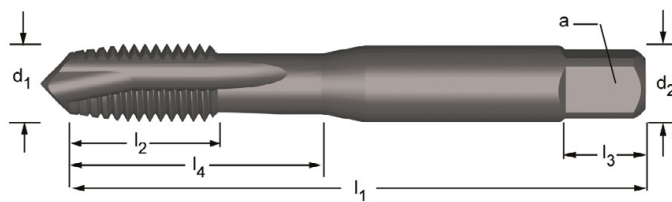
# E011

- MF Machine Tap Spiral Point
- MF Machos de máquina Entrada en hélice
- MF Macho de Máquina Entrada Helicoidal
- MF Tarauds machine Coupe gun

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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	

E011 MF ISO 529 6H 2.5XD HSS-E PM B 3.5-5 ST



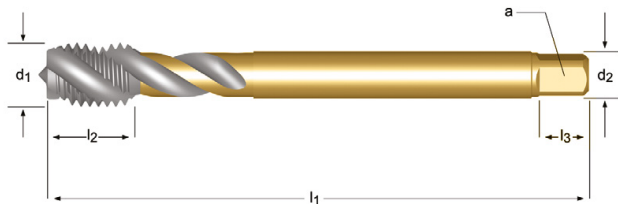
MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔	l <sub>4</sub> mm	E011
4	0.50	53	17	4.0	3.15	6	3	3.5	17	E011M4X.5
5	0.50	58	11	5.0	4.00	7	3	4.5	22	E011M5X.5
6	0.50	66	13	6.3	5.00	8	3	5.5	26	E011M6X.5
6	0.75	66	13	6.3	5.00	8	3	5.3	26	E011M6X.75
8	0.75	72	16	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 EX10TIN EX11

- MF Machine Tap Spiral Flute 45° Supplied in HSS-E until new stock available
- MF Machos de máquina Estrías helicoidales a 45° Suministrado en HSS-E hasta disponibilidad de nuevo stock
- MF Macho de Máquina Canal Helicoidal 45° Fornecido em HSS-E até disponibilidade de novo stock
- MF Tarauds machine goujures hélicoidales 45° Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible


EX10	▪	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					
EX10TIN	▪	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
EX11	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2		
	•	2.3								

EX10	MF	DIN 374	6H		2.5XD	HSS-E PM	C 2-3		$\lambda 45^\circ$		
EX10TIN	MF	DIN 374	6H		2.5XD	HSS-E PM	C 2-3		$\lambda 45^\circ$		TiN
EX11	MF	DIN 374	6H		2.5XD	HSS-E PM	C 2-3		$\lambda 45^\circ$		ST



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

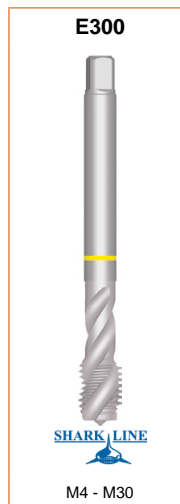
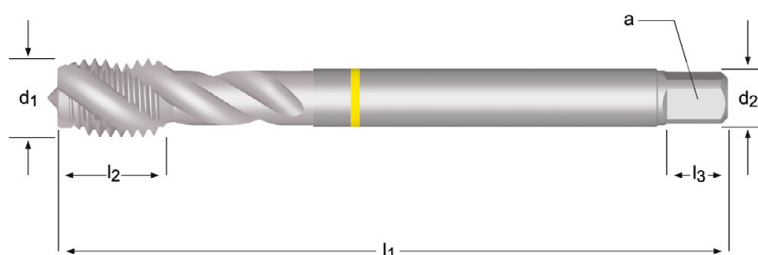


MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		EX10	EX10TIN	EX11
20	1.00	125	17	16.0	12.0	15	4	19	EX10M20X1.0		EX11M20X1.0
20	1.50	125	17	16.0	12.0	15	4	18.5	EX10M20X1.5	EX10TINM20X1.5	EX11M20X1.5
22	1.50	125	17	18.0	14.5	17	4	20.5	EX10M22X1.5		EX11M22X1.5
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**
- MF Machine Tap Spiral Flute 40°, Yellow Shark
  - MF Macho de máquina helicoidal 40° Shark (Anillo Amarillo)
  - MF Macho Máquina Canal Helicoidal 40° , Shark - Anel Amarelo
  - MF Taraulds machine goujures hélicoidales 40° , Shark bague jaune

E300 ■ 1.1 1.2 1.3 6.1 6.3  
 • 1.4 1.5 6.2

E300 MF DIN 374 6H 2XD HSS-E PM C 2-3 λ40° Cr

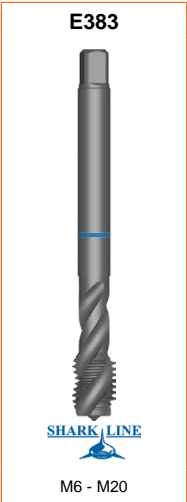
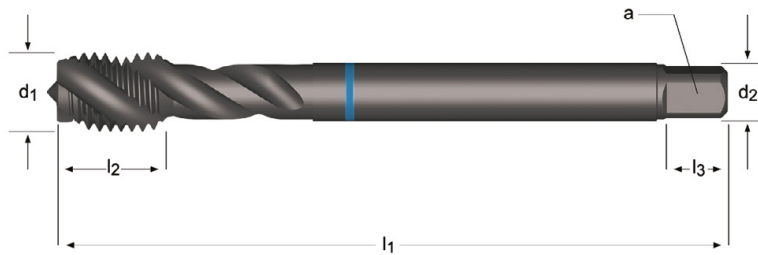


MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	a mm	l <sub>3</sub> mm	z	↔	E300
4	0.50	63	6.5	2.8	2.1	5	3	3.5	E300M4X.5
5	0.50	70	7.5	3.5	2.7	6	3	4.5	E300M5X.5
6	0.75	80	10	4.5	3.4	6	3	5.3	E300M6X.75
8	0.75	80	13	6.0	4.9	8	3	7.3	E300M8X.75
8	1.00	90	13	6.0	4.9	8	3	7.0	E300M8X1.0
10	0.75	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**
- MF Machine Tap Spiral Flute 40°, Blue Shark
  - MF Macho de máquina helicoidal 40° Shark (Anillo Azul)
  - MF Macho Máquina Canal Helicoidal 40° Shark - Anel Azul
  - MF Taraulds machine goujures hélicoïdales 40°, Shark bague bleue

E383 ■ 2.1 2.2 2.3  
 • 1.5

E383 MF DIN 374 6H 2XD HSS-E PM C 2-3 λ40° ST



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		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

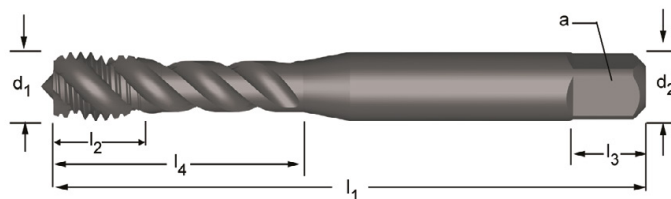
## E013

- MF Machine Tap Spiral Flute 45°
- MF Machos de máquina Estriás helicoidales a 45°
- MF Macho de Máquina Canal Helicoidal 45°
- MF Tarauds machine goujures hélicoïdales 45°

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

E013 ■ 1.1 1.2 1.3 1.4 1.5  
 • 2.1 2.2 2.3

E013 MF ISO 529 6H 2.5XD HSS-E PM C 2-3 λ45° ST



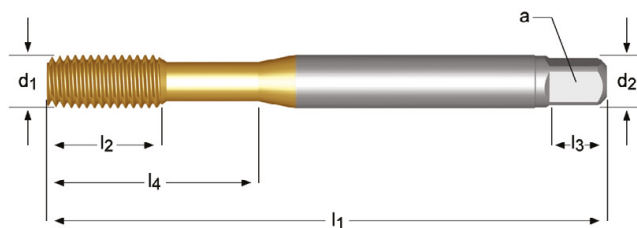
MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z	↔	l <sub>4</sub> mm	E013
4	0.50	53	7	4.0	3.15	6	3	3.5	19	E013M4X.5
5	0.50	58	8	5.0	4.0	7	3	4.5	22	E013M5X.5
6	0.50	66	10	6.3	5.0	8	3	5.5	27	E013M6X.5
6	0.75	66	10	6.3	5.0	8	3	5.3	27	E013M6X.75
8	0.75	72	12	8.0	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

# E288

- MF Machine Forming Tap
- MF Machos de laminación
- MF Machos de Máq. De Laminação
- MF Taraulds machine par Déformation

E288	▪	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					

E288 MF DIN 2174 6HX 3XD HSS-E C 2-3.5



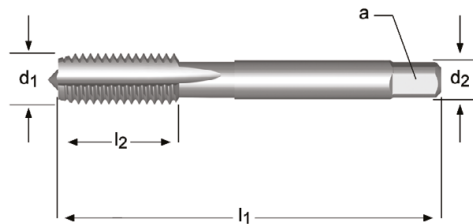
MF	P mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E288
5	0.50	70	13	6.0	4.9	8	5	4.8	25	E288M5X.5
6	0.75	80	15	6.0	4.9	8	5	5.7	30	E288M6X.75
8	1.00	90	18	6.0	4.9	8	5	7.5	-	E288M8X1.0
10	1.00	90	20	7.0	5.5	8	5	9.5	-	E288M10X1.0
10	1.25	100	20	7.0	5.5	8	5	9.4	-	E288M10X1.25
12	1.50	100	21	9.0	7.0	10	5	11.3	-	E288M12X1.5

## E108

- UNC Hand Tap Straight Flute
- UNC Machos de mano Estrías rectas
- UNC Machos Manuais Canais Direitos
- UNC Tarauds à main Goujures droites

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 **UNC** **DIN 352** **2B**  **1.5XD** **HSS** **C 2-3**    



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> Ø 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

N01 - N09



219

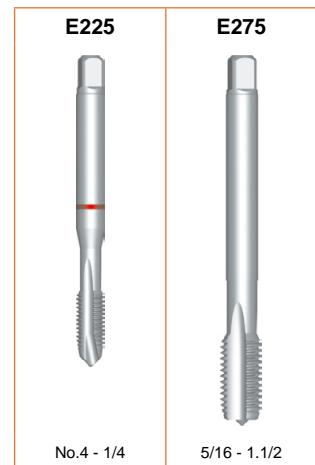
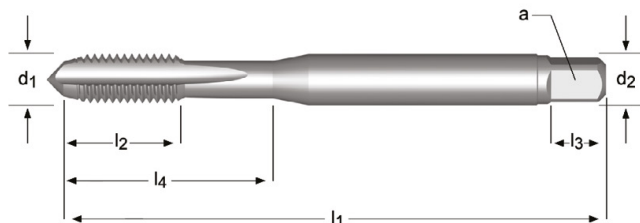
# E225 E275

- UNC Machine Tap Straight Flute
- UNC Machos de máquina Estrías rectas
- UNC Macho de Máquina Canais Direitos
- UNC Tarauds machine Goujures droite

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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

E225	UNC	DIN 371	2B		1.5XD	HSS-E PM	C 2-3				
E275	UNC	DIN 376	2B		1.5XD	HSS-E PM	C 2-3				



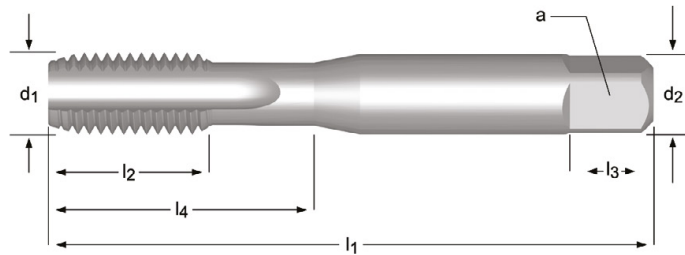
UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E225	E275
4	40	2.845	56	9	3.5	2.7	6	3	2.35	18	E2254-40	
5	40	3.175	56	10	3.5	2.7	6	3	2.65	18	E2255-40	
6	32	3.505	56	11	4.0	3.0	6	3	2.85	20	E2256-32	
8	32	4.166	63	12	4.5	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 Machine Tap Straight Flute
- UNC Machos de máquina Estrías rectas
- UNC Macho de Máquina Canais Direitos
- UNC Tarauds machine Goujures droite

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 **UNC** **ISO 529** **2B**  **1.5XD** **HSS**      L120 339



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
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

NO1 - NO9  
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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	E515
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

NO1 - NO9



219

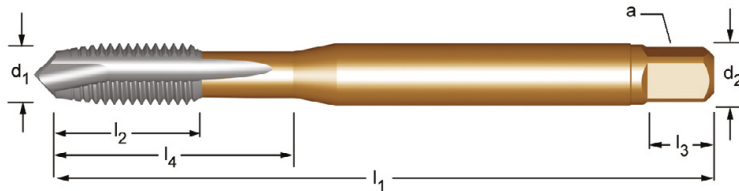
## EP20 EP21

- UNC Machine Tap Spiral Point
- UNC Machos de máquina Entrada en hélice
- UNC Macho de Máquina Entrada Helicoidal
- UNC Taraulds machine Coupe gun

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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				

EP20	UNC	DIN 2184-1	2B		2.5XD	HSS-E PM	B 3.5-5				
EP21	UNC	DIN 2184-1	2B		2.5XD	HSS-E PM	B 3.5-5			ST	



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

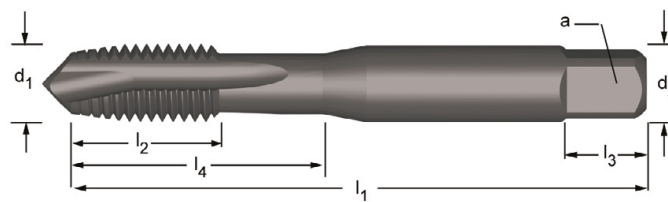
# E021

- UNC Machine Tap Spiral Point
- UNC Machos de máquina Entrada en hélice
- UNC Macho de Máquina Entrada Helicoidal
- UNC Tarauds machine Coupe gun

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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

E021 **UNC** **ISO 529** **2B** **2.5XD** **HSS-E PM** **B 3.5-5** **ST**



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 EX21

- UNC Machine Tap Spiral Flute 45°
- UNC Machos de máquina Estrías helicoidales a 45°
- UNC Macho de Máquina Canal Helicoidal 45°
- UNC Tarauds machine goujures hélicoïdales 45°

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

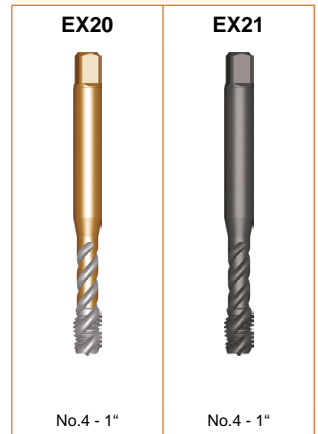
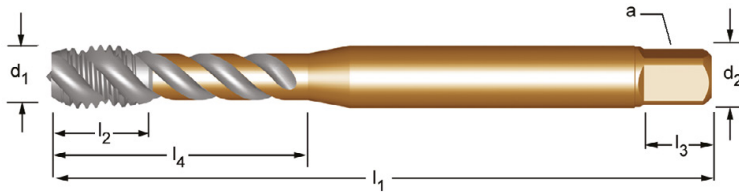
EX20 ■ 1.1 1.2 1.3 1.4 1.5 7.1 7.2 7.3 7.4

• 4.1 4.2 5.1 5.2

EX21 ■ 1.1 1.2 1.3 1.4 1.5 2.1 2.2

• 2.3

EX20	UNC	DIN 2184-1	2B		2.5XD	HSS-E PM	C 2-3				
EX21	UNC	DIN 2184-1	2B		2.5XD	HSS-E PM	C 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	EX2010-24	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

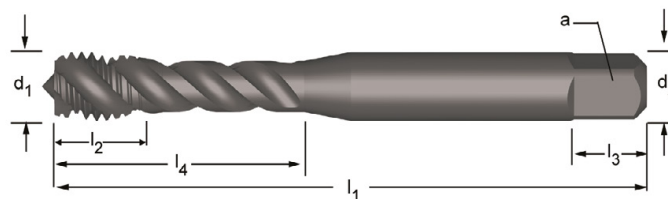
# E023

- UNC Machine Tap Spiral Flute 45°
- UNC Machos de máquina Estrías helicoidales a 45°
- UNC Macho de Máquina Canal Helicoidal 45°
- UNC Tarauds machine goujures hélicoïdales 45°

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

- E023 ■ 1.1 1.2 1.3 1.4 1.5  
 • 2.1 2.2 2.3

E023 **UNC** **ISO 529** **2B** **2.5XD** **HSS-E PM** **C 2-3** **λ45°** **ST**

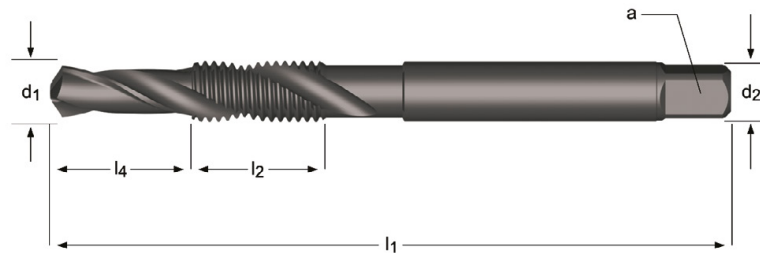


UNC	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E023
2	56	2.184	44.5	9.5	2.80	2.24	5	2	1.85	9.5	E0232-56
4	40	2.845	48	6	3.15	2.50	5	3	2.35	14	E0234-40
5	40	3.175	48	6	3.15	2.50	5	3	2.65	12.5	E0235-40
6	32	3.505	50	6	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 Combi Taps Spiral Flute 30°
  - UNC Combinación broca-macho Estrías helicoidales a 30°
  - UNC Macho Broca Canal Helicoidal 30°
  - UNC Foret taraudeur goujures hélicoïdales 30°

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

E651 **UNC** **DORMER** **DIN** **2B** **1.5XD** **HSS** **C** **2-3** **λ 30°** **ST**



E651



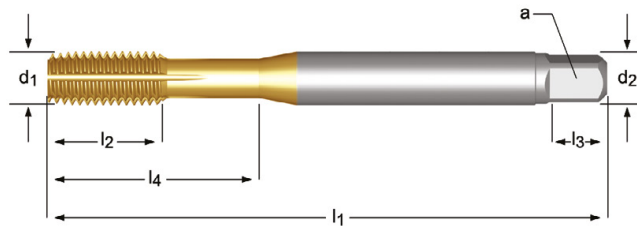
No.6 - 5/8

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> Ø 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

- E287**
- UNC Machine Forming Tap, Oil Grooves
  - UNC Machos de laminación, con ranuras de lubricación
  - UNC Machos de Máq. De Laminação, Rasgos p/ Lubr.
  - UNC Tarauts machine à refoiler, rainures de lubrification

E287	▪	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					

E287 **UNC** **DIN 2184-1** **2BX** **3.5XD** **HSS-E** **C 2-3.5**

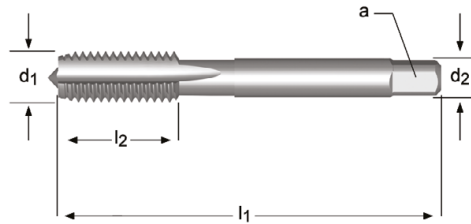


M	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E287
4	40	2.845	56	9	3.5	2.7	6	4	2.6	18	E2874-40
6	32	3.505	56	11	4.0	3.0	6	4	3.2	20	E2876-32
8	32	4.166	63	12	4.5	3.4	6	5	3.8	21	E2878-32
10	24	4.826	70	13	6.0	4.9	8	5	4.4	25	E28710-24
1/4	20	6.350	80	15	7.0	5.5	8	5	5.8	30	E2871/4
5/16	18	7.938	90	18	8.0	6.2	9	5	7.3	35	E2875/16
3/8	16	9.525	100	20	10.0	8.0	11	5	8.8	39	E2873/8
7/16	14	11.112	100	20	8.0	6.2	9	5	10.3	-	E2877/16
1/2	13	12.700	110	23	9.0	7.0	10	5	11.9	-	E2871/2

- E111**
- UNF Hand Tap Straight Flute
  - UNF Machos de mano Estrias rectas
  - UNF Machos Manuais Canais Direitos
  - UNF Tarauds à main Goujures droites

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

E111 UNF DIN 2181 2B 1.5XD HSS C 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	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  
219

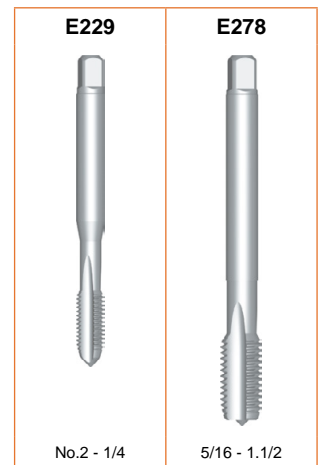
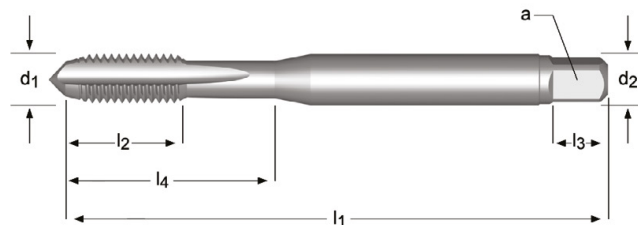


- E229** • UNF Machine Tap Straight Flute  
**E278** • UNF Machos de máquina Estrías rectas  
 • UNF Macho de Máquina Canais Direitos  
 • UNF Tarauds machine Goujures droites

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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

E229	UNF	DIN 371	2B		1.5XD	HSS-E PM	C 2-3				
E278	UNF	DIN 374	2B		1.5XD	HSS-E PM	C 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	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 <sup>1)</sup>

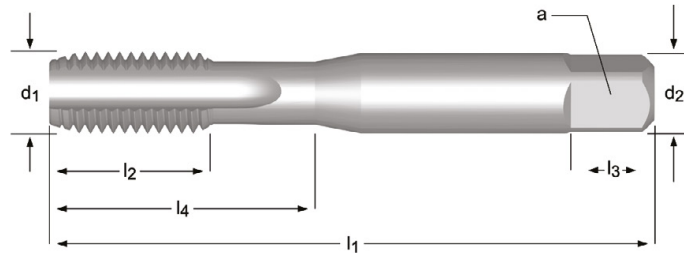
<sup>1)</sup> HSS-E

## E524

- UNF Machine Tap Straight Flute
- UNF Machos de máquina Estrias rectas
- UNF Macho de Máquina Canais Direitos
- UNF Tarauls machine Goujures droites


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

E524 UNF ISO 529 2B 1.5XD HSS



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

N01 - N09  
219

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
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






219

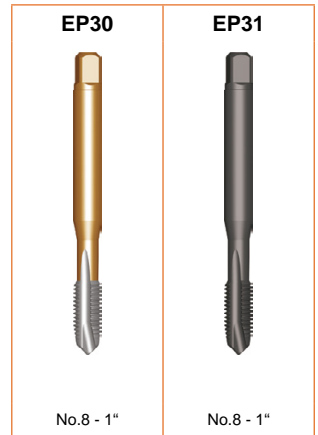
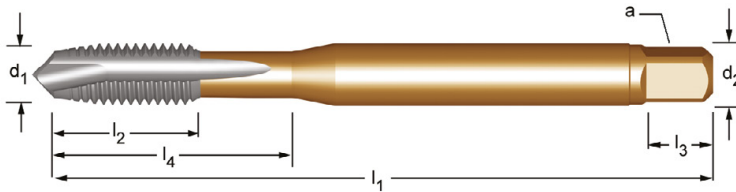
## EP30 EP31


- UNF Machine Tap Spiral Point
- UNF Machos de máquina Entrada en hélice
- UNF Macho de Máquina Entrada Helicoidal
- UNF Tarauds machine Coupe gun

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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			

EP30	UNF	DIN 2184-1	2B		2.5XD	HSS-E PM	C 2-3				
EP31	UNF	DIN 2184-1	2B		2.5XD	HSS-E PM	C 2-3			 ST	



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

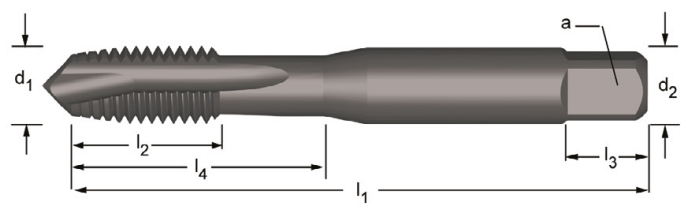
# E031

- UNF Machine Tap Spiral Point
- UNF Machos de máquina Entrada en hélice
- UNF Macho de Máquina Entrada Helicoidal
- UNF Tarauds machine Coupe gun

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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		

E031	UNF	ISO 529	2B		2.5XD	HSS-E PM	B 3.5-5			ST	
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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

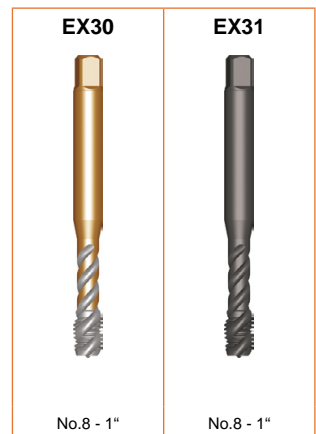
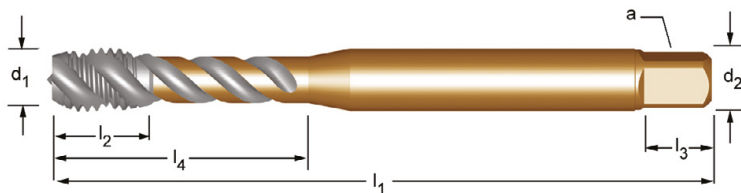
## EX30 EX31


- UNF Machine Tap Spiral Flute 45°
- UNF Machos de máquina Estrías helicoidales a 45°
- UNF Macho de Máquina Canal Helicoidal 45°
- UNF Tarauds machine goujures hélicoidales 45°

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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								

EX30	UNF	DIN 2184-1	2B		2.5XD	HSS-E PM	C 2-3	 $\lambda 45^\circ$			
EX31	UNF	DIN 2184-1	2B		2.5XD	HSS-E PM	C 2-3	 $\lambda 45^\circ$		 ST	



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

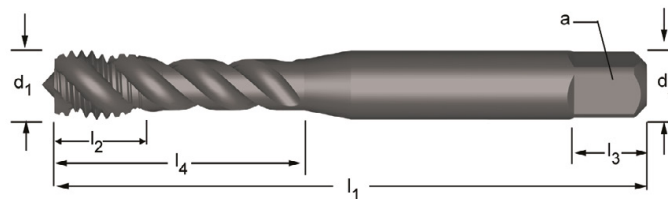
# E033

- UNF Machine Tap Spiral Flute 45°
- UNF Machos de máquina Estrías helicoidales a 45°
- UNF Macho de Máquina Canal Helicoidal 45°
- UNF Tarauds machine goujures hélicoidales 45°

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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

E033 UNF ISO 529 2B 2.5XD HSS-E PM C 2-3 λ45° ST

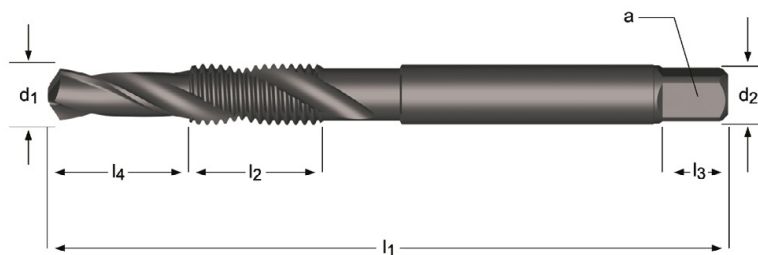


UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E033
8	36	4.166	53	7	4.5	3.55	6	3	3.50	17	E0338-36
10	32	4.826	58	8	5.0	4.00	7	3	4.10	20	E03310-32
1/4	28	6.350	66	10	6.3	5.00	8	3	5.50	28	E0331/4
5/16	24	7.938	72	12	8.0	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 Combi Taps Spiral Flute 30°
  - UNF Combinación broca-macho Estrías helicoidales a 30°
  - UNF Macho Broca Canal Helicoidal 30°
  - UNF Foret tarauteur goujures hélicoïdales 30°

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

E654 UNF DORMER DIN Medium 1.5XD HSS C 2-3 λ 30° ST



E654



No.8 - 5/8

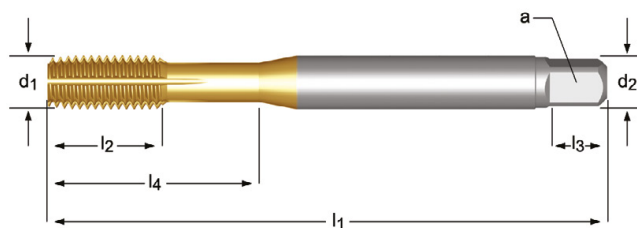
UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> ∅ mm	□ a mm	z	E654
8	36	3.50	64	13	8	4.5	3.55	2	E6548-36
10	32	4.10	72	16	10	5.0	4.00	2	E65410-32
12	28	4.70	77	17	11	5.6	4.50	2	E65412-28
1/4	28	5.50	83	19	13	6.3	5.00	2	E6541/4
5/16	24	6.90	94	22	16	8.0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



- E286**
- UNF Machine Forming Tap, Oil Grooves
  - UNF Machos de laminación, con ranuras de lubricación
  - UNF Machos de Máq. De Laminação, Rasgos p/ Lubr.
  - UNF Tarauts machine à refouler, rainures de lubrification

E286	▪	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					

E286 UNF DIN 2184-1 2BX 3.5XD HSS-E C 2-3.5

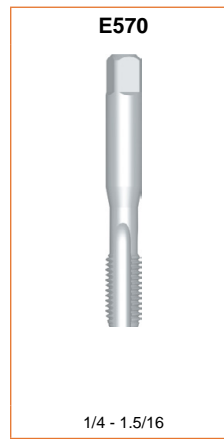
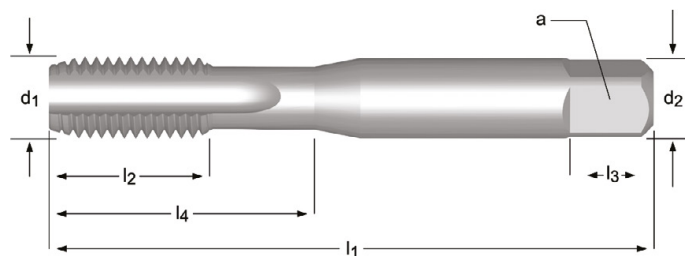


UNF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E286
4	48	2.845	56	9	3.5	2.7	6	4	2.6	18	E2864-48
6	40	3.505	56	11	4.0	3.0	6	4	3.2	20	E2866-40
8	36	4.166	63	12	4.5	3.4	6	5	3.9	21	E2868-36
10	32	4.826	70	13	6.0	4.9	8	5	4.5	25	E28610-32
1/4	28	6.350	80	15	7.0	5.5	8	5	6.0	30	E2861/4
5/16	24	7.938	90	18	8.0	6.2	9	5	7.5	35	E2865/16
3/8	24	9.525	100	20	10.0	8.0	11	5	9.1	39	E2863/8
7/16	20	11.112	100	20	8.0	6.2	9	5	10.6	-	E2867/16
1/2	20	12.700	100	21	9.0	7.0	10	5	12.1	-	E2861/2

- E570**
- UN Machine Tap Straight Flute
  - UN Machos de máquina Estriás rectas
  - UN Macho de Máquina Canais Direitos
  - UN Taraulds machine Goujures droite

E570 • 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

E570 UN ISO 529 2B 1.5XD HSS C 2-3



UN	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	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

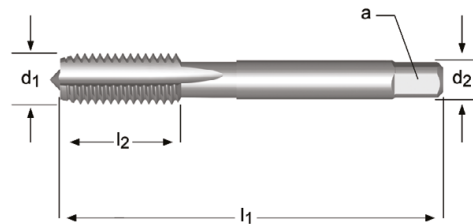
NO1 - NO9  
219

# E115

- BSW Hand Tap Straight Flute
- BSW Machos de mano Estrías rectas
- BSW Machos Manuais Canais Direitos
- BSW Tarauds à main Goujures droites

E115 • 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

E115 **BSW** **DIN 351** Medium **1.5XD** **HSS** **C 2-3**



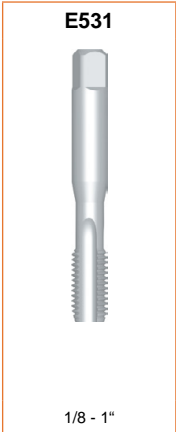
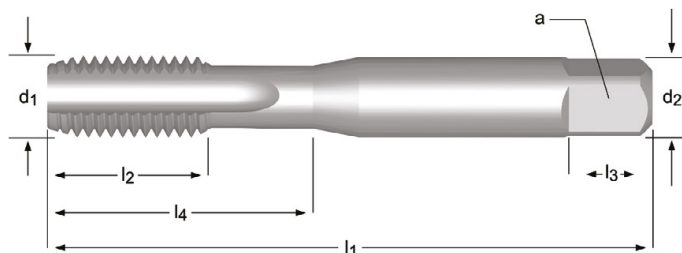
BSW	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	z		E115
1/8	40	3.175	40	10	3.5	2.7	3	2.55	E1151/8NO3
1/8	40	3.175	40	10	3.5	2.7	3	2.55	E1151/8NO8
5/32	32	3.969	45	12	4.5	3.4	3	3.2	E1155/32NO3
5/32	32	3.969	45	12	4.5	3.4	3	3.2	E1155/32NO8
3/16	24	4.763	50	16	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

NO1 - NO9  
 219

## E531


- BSW Machine Tap Straight Flute
- BSW Machos de máquina Estrías rectas
- BSW Macho de Máquina Canais Direitos
- BSW Tarauds machine Goujures droites

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



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
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

NO1 - NO9  
219

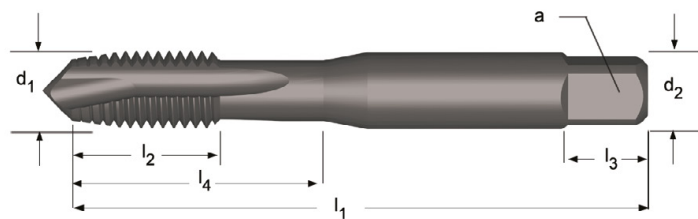
BSW	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∇ a mm	z		l <sub>4</sub> mm	E531
1"	8	25.400	130	35	18.00	14.00	4	22	-	E5311NO1
1"	8	25.400	130	35	18.00	14.00	4	22	-	E5311NO2
1"	8	25.400	130	35	18.00	14.00	4	22	-	E5311NO3
1"	8	25.400	130	35	18.00	14.00	4	22	-	E5311NO6


N01 - N09  
  
 219

- E534**
- BSW Machine Tap Spiral Point
  - BSW Machos de máquina Entrada en hélice
  - BSW Macho de Máquina Entrada Helicoidal
  - BSW Tarauds machine Coupe gun

<b>E534</b>	▪	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

**E534** **BSW** **ISO 529** **Medium**  **2.5XD** **HSS** **B 3.5-5**   **ST** 



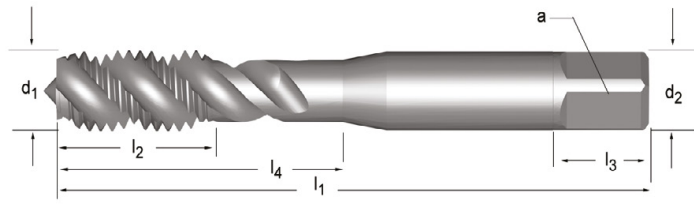
BSW	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	z		l <sub>4</sub> mm	E534
1/8	40	3.175	48	12.5	3.15	2.50	3	2.55	12.5	E5341/8
5/32	32	3.969	53	14	4.00	3.15	3	3.2	14	E5345/32
3/16	24	4.763	58	11	5.00	4.00	3	3.7	20	E5343/16
1/4	20	6.350	66	13	6.30	5.00	3	5.1	26	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 Machine Tap Spiral Flute 40°
- BSW Machos de máquina Estrias helicoidales a 40°
- BSW Macho de Máquina Canal Helicoidal 40°
- BSW Tarauds machine goujures hélicoïdales 40°

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 **BSW** **ISO 529** Medium **2XD** **HSS** **C 2-3**  $\lambda 40^\circ$



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	↔	12.5	E5331/8 <sup>3)</sup>
1/8	40	3.175	48	12.5	3.15	2.50	3	↔	12.5	E5331/8BLUE
3/16	24	4.763	58	11	5.00	4.00	3	↔	20	E5333/16 <sup>3)</sup>
3/16	24	4.763	58	11	5.00	4.00	3	↔	20	E5333/16BLUE
1/4	20	6.350	66	13	6.30	5.00	3	↔	26	E5331/4 <sup>3)</sup>
1/4	20	6.350	66	13	6.30	5.00	3	↔	26	E5331/4BLUE
5/16	18	7.938	72	16	8.00	6.30	3	↔	31	E5335/16 <sup>3)</sup>
5/16	18	7.938	72	16	8.00	6.30	3	↔	31	E5335/16BLUE
3/8	16	9.525	80	18	10.00	8.00	3	↔	34	E5333/8 <sup>3)</sup>
3/8	16	9.525	80	18	10.00	8.00	3	↔	34	E5333/8BLUE
1/2	12	12.700	89	22	9.00	7.10	3	↔	-	E5331/2 <sup>3)</sup>
1/2	12	12.700	89	22	9.00	7.10	3	↔	-	E5331/2BLUE
5/8	11	15.875	102	24	12.50	10.00	3	↔	-	E5335/8 <sup>3)</sup>
5/8	11	15.875	102	24	12.50	10.00	3	↔	-	E5335/8BLUE
3/4	10	19.050	112	29	14.00	11.20	3	↔	-	E5333/4 <sup>3)</sup>
3/4	10	19.050	112	29	14.00	11.20	3	↔	-	E5333/4BLUE

<sup>3)</sup> Bright Finish / Brillante / Brilhante / Brillant







## E536

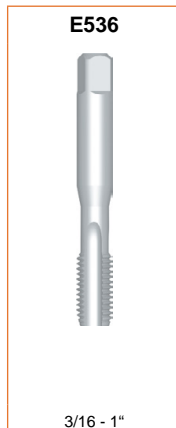
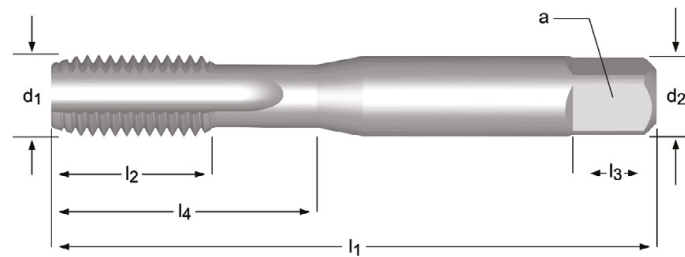
- BSF Machine Tap Straight Flute
- BSF Machos de máquina Estrías rectas
- BSF Macho de Máquina Canais Direitos
- BSF Tarauds machine Goujures droites


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 **BSF** **ISO 529** **Medium**  **1.5XD** **HSS**     



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

NO1 - NO9



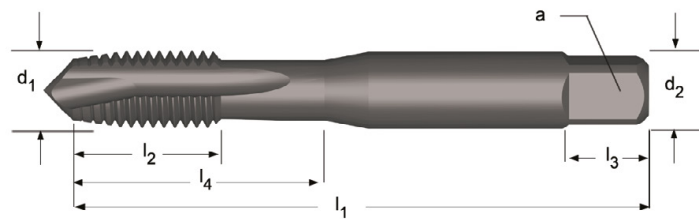
219



- E539**
- BSF Machine Tap Spiral Point
  - BSF Machos de máquina Entrada en hélice
  - BSF Macho de Máquina Entrada Helicoidal
  - BSF Tarauds machine Coupe gun

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

E539 **BSF** **ISO 529** Medium **2.5XD** **HSS** **B 3.5-5**



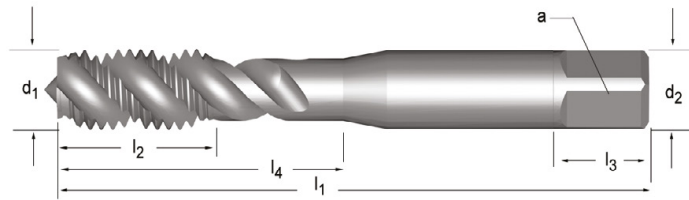
BSF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	z		l <sub>4</sub> mm	E539
1/4	26	6.35	66	14	6.3	5.0	3	5.3	26	E5391/4
5/16	22	7.94	72	18	8.0	6.3	3	6.8	29	E5395/16
3/8	20	9.53	80	20	10.0	8.0	3	8.3	32	E5393/8
1/2	16	12.70	89	23	9.0	7.1	3	11	-	E5391/2

## E538

- BSF Machine Tap Spiral Flute 40°
- BSF Machos de máquina Estrías helicoidales a 40°
- BSF Macho de Máquina Canal Helicoidal 40°
- BSF Tarauds machine goujures hélicoidales 40°

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 **BSF** **ISO 529** Medium  **2XD** **HSS** **C 2-3**  **λ 40°**  **ST**



E538



1/4 - 1/2

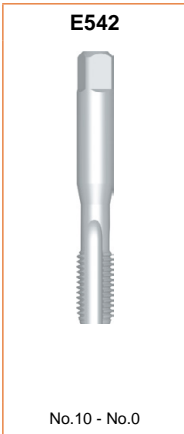
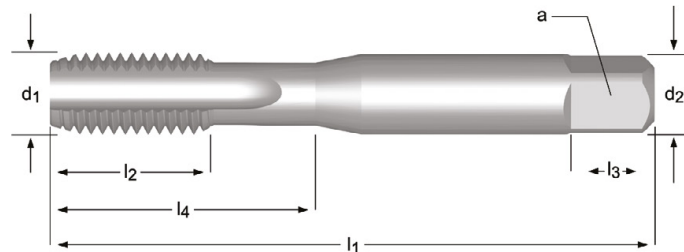
BSF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	z		l <sub>4</sub> mm	E538
1/4	26	6.350	66	13	6.3	5.00	3	5.3	26	E5381/4 <sup>3)</sup>
1/4	26	6.350	66	13	6.3	5.00	3	5.3	26	E5381/4BLUE
5/16	22	7.938	72	16	8.0	6.30	3	6.8	31	E5385/16 <sup>3)</sup>
5/16	22	7.938	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>3)</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>3)</sup>
1/2	16	12.700	89	22	9.0	7.10	3	11	-	E5381/2BLUE

# E542

- BA Machine Tap Straight Flute
- BA Machos de máquina Estrías rectas
- BA Macho de Máquina Canais Direitos
- BA Tarauds machine Goujures droites

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

E542 BA ISO 529 Normal 1.5XD HSS

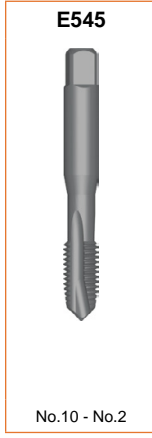
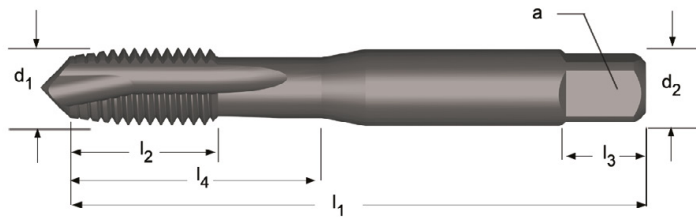



BA	P mm	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E542
BA10	0.35	1.70	41	7.0	2.50	2.0	4	2	1.3	7	E542BA10NO1
BA10	0.35	1.70	41	7.0	2.50	2.0	4	2	1.3	7	E542BA10NO2
BA10	0.35	1.70	41	7.0	2.50	2.0	4	2	1.3	7	E542BA10NO3
BA10	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 Machine Tap Spiral Point
  - BA Machos de máquina Entrada en hélice
  - BA Macho de Máquina Entrada Helicoidal
  - BA Taraulds machine Coupe gun

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	8.1

E545 **BA** **ISO 529** Normal  **2.5XD** **HSS** **B** 3.5-5    ST 



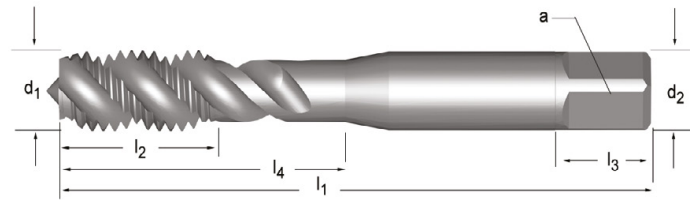
BA	P mm	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E545
BA10	0.35	1.70	41	7.0	2.50	2.0	4	2	1.3	7	E545BA10
BA 8	0.43	2.20	44.5	9.5	2.80	2.2	5	3	1.8	9.5	E545BA8
BA 6	0.53	2.80	44.5	9.5	2.80	2.2	5	3	2.3	9.5	E545BA6
BA 4	0.66	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 Machine Tap Spiral Flute 40°
- BA Machos de máquina Estrías helicoidales a 40°
- BA Macho de Máquina Canal Helicoidal 40°
- BA Tarauds machine goujures hélicoidales 40°

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

E544 **BA** **ISO 529** Normal **2XD** **HSS** **C 2-3**  $\lambda 40^\circ$  **ST**



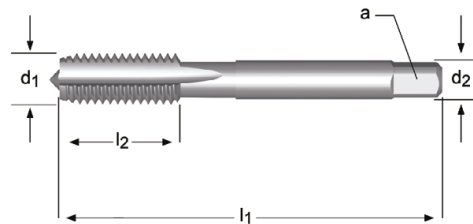
BA	P mm	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E544
BA 8	0.43	2.20	44.5	9.5	2.80	2.2	5	2	1.8	9.5	E544BA8 <sup>3)</sup>
BA 8	0.43	2.20	44.5	9.5	2.80	2.2	5	2	1.8	9.5	E544BA8BLUE
BA 6	0.53	2.80	44.5	9.5	2.80	2.2	5	2	2.3	9.5	E544BA6 <sup>3)</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>3)</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>3)</sup>
BA 2	0.81	4.70	58	12.0	5.00	4.0	7	3	4	20	E544BA2BLUE


<sup>3)</sup> Bright Finish / Brillante / Brilhante / Brillant

- E119**
- G(BSP) Hand Tap Straight Flute
  - G(BSP) Machos de mano Estrias rectas
  - G(BSP) Machos Manuais Canais Direitos
  - G(BSP) Tarauds à main Goujures droites

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

E119 **G** **DIN 5157** Normal  **1.5XD** **HSS** **C 2-3**    



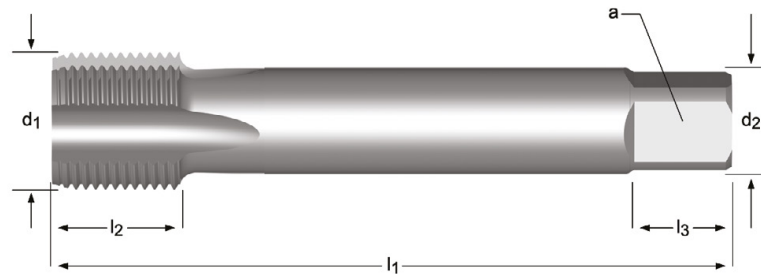
G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∩ a mm	z		E119
1/8	28	9.73	63	15	7.0	5.5	3	8.8	E1191/8NO3
1/8	28	9.73	63	15	7.0	5.5	3	8.8	E1191/8NO9
1/4	19	13.16	70	16	11.0	9.0	4	11.8	E1191/4NO3
1/4	19	13.16	70	16	11.0	9.0	4	11.8	E1191/4NO9
3/8	19	16.66	70	16	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) Machine Tap Straight Flute
  - G(BSP) Machos de máquina Estrías rectas
  - G(BSP) Macho de Máquina Canais Direitos
  - G(BSP) Tarauds machine Goujures droites

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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 **G** **DIN 5156** Normal **1.5XD** **HSS-E PM** **C 2-3**

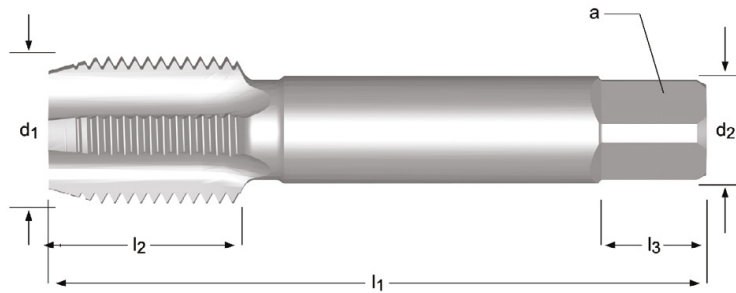
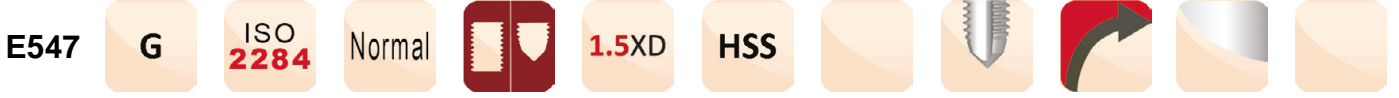



G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∠ a mm	l <sub>3</sub> mm	z		E282
1/8	28	9.73	90	20	7.0	5.5	8	3	8.8	E2821/8
1/4	19	13.16	100	21	11.0	9.0	12	4	11.8	E2821/4
3/8	19	16.66	100	21	12.0	9.0	12	4	15.25	E2823/8
1/2	14	20.96	125	24	16.0	12.0	15	4	19.0	E2821/2
3/4	14	26.44	140	28	20.0	16.0	19	4	24.5	E2823/4
1"	11	33.25	160	30	25.0	20.0	23	4	30.75	E2821
1.1/4	11	41.91	170	30	32.0	24.0	27	4	39.5	E2821.1/4 <sup>1)</sup>
1.1/2	11	47.80	190	32	36.0	29.0	32	6	45.0	E2821.1/2 <sup>1)</sup>

## E547

- G(BSP) Machine Tap Straight Flute
- G(BSP) Machos de máquina Estrias rectas
- G(BSP) Macho de Máquina Canais Direitos
- G(BSP) Tarauds machine Goujures droites

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



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	8.0	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

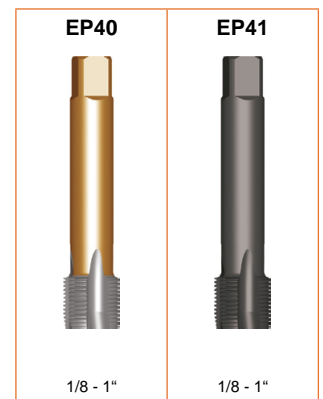
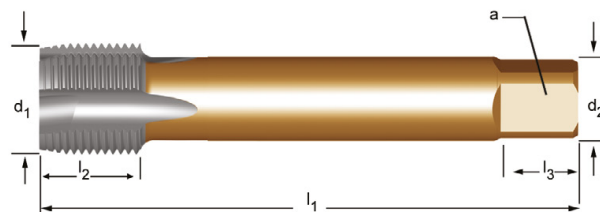


# EP40 EP41

- G(BSP) Machine Tap Spiral Point
  - G(BSP) Machos de máquina Entrada en hélice
  - G(BSP) Macho de Máquina Entrada Helicoidal
  - G(BSP) Tarauds machine Coupe gun
- Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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				

EP40	G	DIN 5156	Normal		2.5XD	HSS-E PM	B 3.5-5				
EP41	G	DIN 5156	Normal		2.5XD	HSS-E PM	B 3.5-5			ST	



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		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	19.0	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) Machine Tap Spiral Point
- G(BSP) Machos de máquina Entrada en hélice
- G(BSP) Macho de Máquina Entrada Helicoidal
- G(BSP) Tarauds machine Coupe gun

Supplied in HSS-E until new stock available

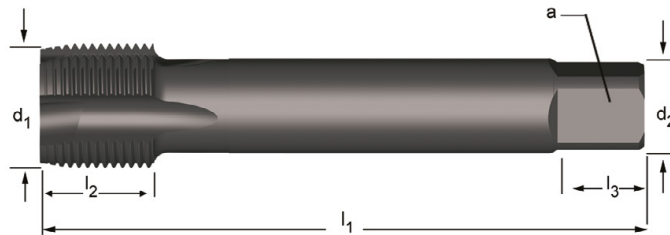
Suministrado en HSS-E hasta disponibilidad de nuevo stock

Fornecido em HSS-E até disponibilidade de novo stock

Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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	

E041	G	DORMER ISO	Normal		2.5XD	HSS-E PM	B 3.5-5			ST	
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E041



1/8 - 3/4

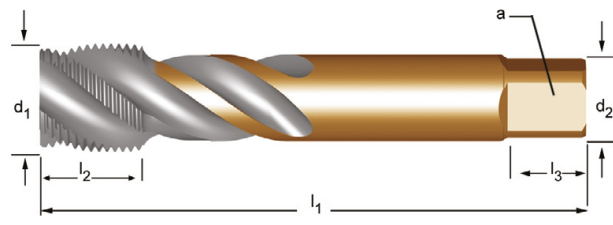
G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	∟ a mm	l <sub>3</sub> mm	z		E041
1/8	28	9.728	90	15	8.0	6.3	9	3	8.80	E0411/8
1/4	19	13.157	100	19	10.0	8.0	11	3	11.80	E0411/4
3/8	19	16.662	100	21	12.5	10.0	13	3	15.25	E0413/8
1/2	14	20.955	125	26	16.0	12.5	16	4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

# EX40 EX41

- G(BSP) Machine Tap Spiral Flute 45°
  - G(BSP) Machos de máquina Estrías helicoidales a 45°
  - G(BSP) Macho de Máquina Canal Helicoidal 45°
  - G(BSP) Tarauds machine goujures hélicoidales 45°
- Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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								

EX40	G	DIN 5156	Normal		2.5XD	HSS-E PM	C 2-3	λ45°			
EX41	G	DIN 5156	Normal		2.5XD	HSS-E PM	C 2-3	λ45°		ST	



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	19.0	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	<sup>1)</sup> EX411.1/4
1.1/2	11	47.803	190	23	36.0	29.0	32	4	45	EX401.1/2	<sup>1)</sup> EX411.1/2

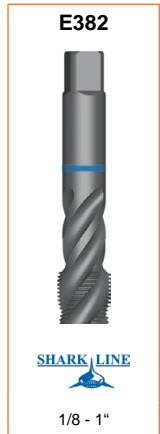
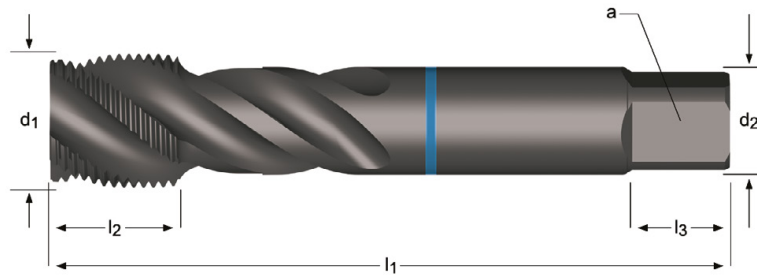
<sup>1)</sup> HSS-E

## E382

- G(BSP) Machine Tap Spiral Flute 40°, Blue Shark
- G(BSP) Macho de máquina helicoidal 40° Shark (Anillo Azul)
- G(BSP) Macho Máquina Canal Helicoidal 40° Shark - Anel Azul
- G(BSP) Tarauds machine goujures hélicoïdales 40°, Shark bague bleue

E382 ■ 2.1 2.2 2.3  
 • 1.5

E382 G DIN 5156 Normal 2XD HSS-E PM C 2-3 λ40° ST



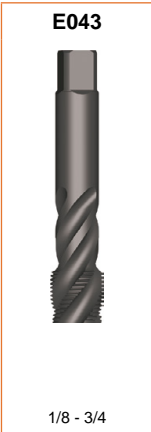
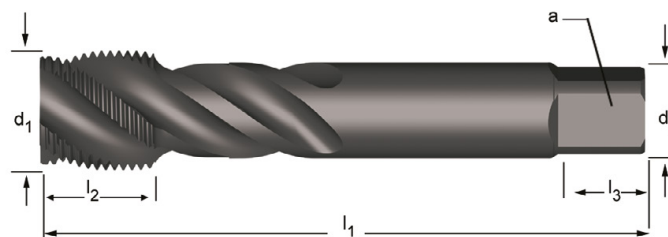
G(BSP)	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z		E382
1/8	28	9.73	90	12	7.0	5.5	8	3	8.8	E3821/8
1/4	19	13.16	100	15	11.0	9.0	12	4	11.8	E3821/4
3/8	19	16.66	100	15	12.0	9.0	12	4	15.25	E3823/8
1/2	14	20.96	125	24	16.0	12.0	15	4	19.0	E3821/2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

# E043

- G(BSP) Machine Tap Spiral Flute 45°
  - G(BSP) Machos de máquina Estriás helicoidales a 45°
  - G(BSP) Macho de Máquina Canal Helicoidal 45°
  - G(BSP) Tarauds machine goujures hélicoïdales 45°
- Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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

E043 **G** **Normal** **HSS-E PM** **C 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> ∅ 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 Machine Tap Straight Flute
- EGM Machos de máquina Estrías rectas
- EGM Macho de Máquina Canais Direitos
- EGM Tarauds machine Goujures droites

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

E620 EGM



6H



1.5XD

HSS

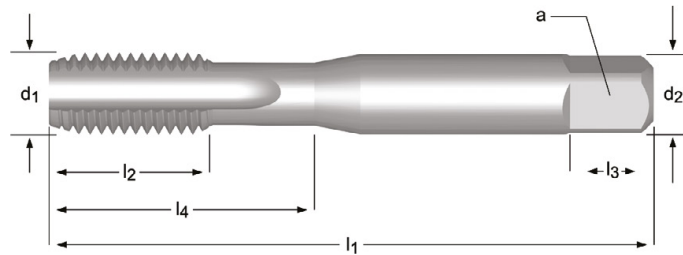
C  
2-3



E620



M3 - M16

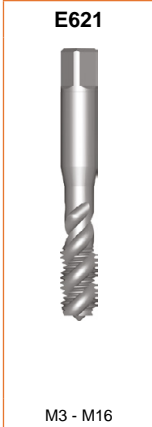
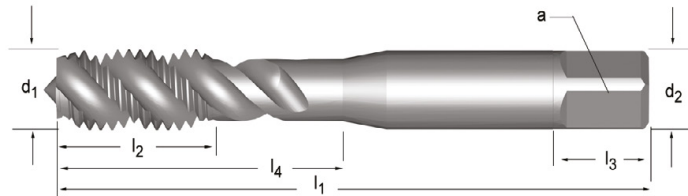


M	P mm	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E620
3	0.50	3.65	53	14	4.0	3.15	6	3	3.2	14	E620M3
4	0.70	4.91	58	11	5.0	4.00	7	3	4.2	20	E620M4
5	0.80	6.04	66	13	6.3	5.00	8	3	5.2	26	E620M5
6	1.00	7.30	72	16	8.0	6.30	9	3	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 Machine Tap Spiral Flute 40°
  - EGM Machos de máquina Estrias helicoidales a 40°
  - EGM Macho de Máquina Canal Helicoidal 40°
  - EGM Tarauds machine goujures hélicoïdales 40°

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

E621 EGM 6H 2XD HSS C 2-3 λ40°



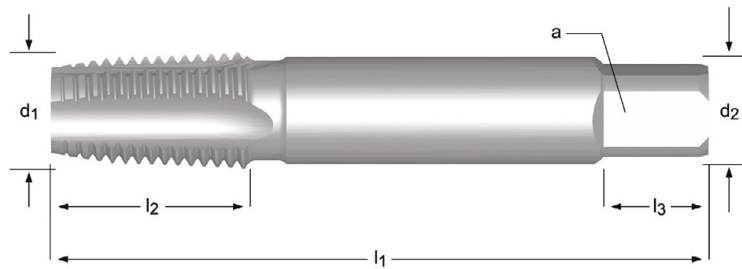
M	P mm	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		l <sub>4</sub> mm	E621
3	0.50	3.65	53	14	4.00	3.15	6	3	3.2	14	E621M3
4	0.70	4.91	58	11	5.00	4.00	7	3	4.2	20	E621M4
5	0.80	6.04	66	13	6.30	5.00	8	3	5.2	26	E621M5
6	1.00	7.3	72	16	8.00	6.30	9	3	6.3	31	E621M6
8	1.25	9.62	80	18	10.00	8.00	11	3	8.4	34	E621M8
10	1.50	11.95	89	22	9.00	7.10	10	3	10.5	-	E621M10
12	1.75	14.27	95	24	11.20	9.00	12	3	12.5	-	E621M12
14	2.00	16.6	112	29	14.00	11.20	14	3	14.5	-	E621M14
16	2.00	18.6	112	29	14.00	11.20	14	3	16.5	-	E621M16


## E550

- Rc Machine Tap Straight Flute
- Rc Machos de máquina Estrias rectas
- Rc Macho de Máquina Canais Direitos
- Rc Tarauds machine Goujures droite

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	8.3

E550 **Rc** **ISO 2284** Normal  **1.5XD** **HSS** **C 2-3**    



Rc	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		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

NO1 - NO9  
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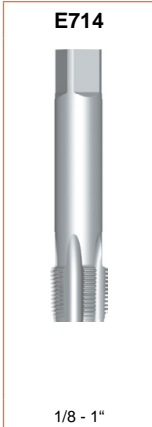
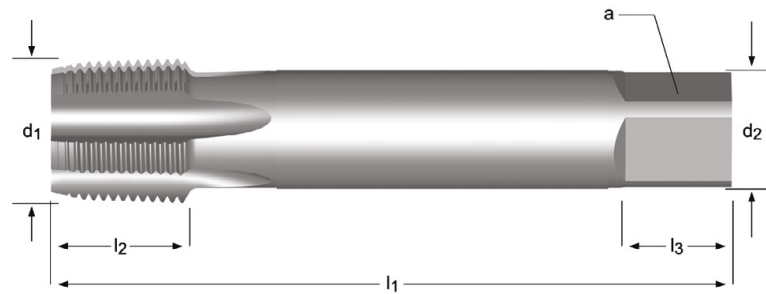
# E714

- NPT Machine Tap Straight Flute
- NPT Machos de máquina Estrías rectas
- NPT Macho de Máquina Canais Direitos
- NPT Tarauds machine Goujures droites

Supplied in HSS-E until new stock available  
 Suministrado en HSS-E hasta disponibilidad de nuevo stock  
 Fornecido em HSS-E até disponibilidade de novo stock  
 Fourni en HSS-E jusqu'à ce que le nouveau stock soit disponible

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	8.1							

E714 NPT DORMER ANSI Normal 1.5XD HSS-E PM C 2-3

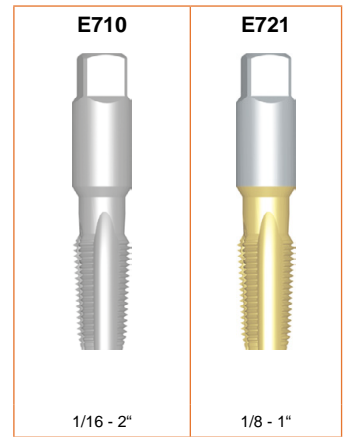
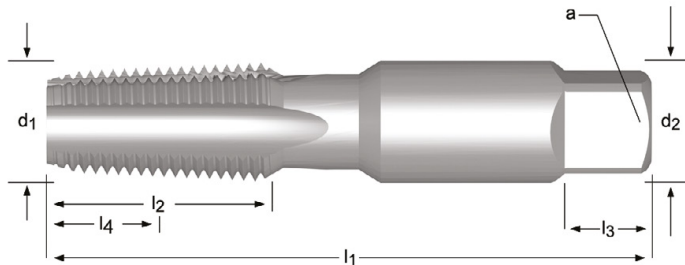


NPT	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>2</sub> ∅ mm	a mm	l <sub>3</sub> mm	z	↔	E714
1/8	27	10.23	90	14	11.0	9.0	12	3	8.5	E7141/8
1/4	18	13.60	100	20	14.0	11.0	14	3	11	E7141/4
3/8	18	17.04	110	20	16.0	12.0	15	4	14.5	E7143/8
1/2	14	21.20	125	26	18.0	14.5	17	4	18	E7141/2
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 Machine Tap Straight Flute  
 • NPT Machos de máquina Estrias rectas  
**E721** • NPT Macho de Máquina Canais Direitos  
 • NPT Tarauds machine Goujures droites

E710	•	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
E721	▪	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						

E710	NPT	ANSI B94.9	Normal		1.5XD	HSS	C 2-3				
E721	NPT	ANSI B94.9	Normal		1.5XD	HSS	C 2-3			TiN	



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	

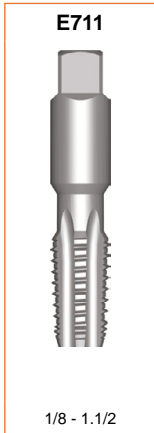
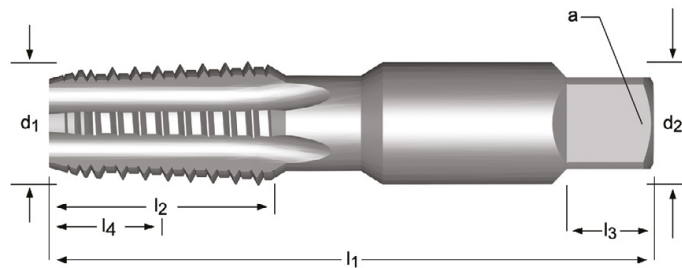
NO1 - NO9  
  
 219

# E711

- NPT Machine Tap, Interrupted Threads Straight Flute
- NPT Machos de máquina, dientes alternos Estrías rectas
- NPT Macho de Máq., Filetes Interrompidos Canais Direitos
- NPT Tarauds machine Goujures droites

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

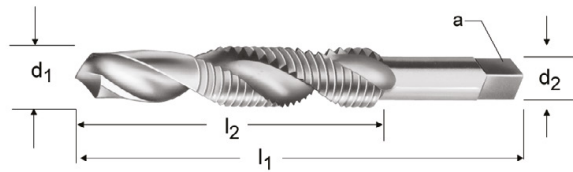
E711 NPT ANSI B94.9 Normal 1.5XD HSS C 2-3



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> ∅ 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	E7111
1.1/2	11.5	48.26	135	43	28.9	38.1	28.6	25	7	44.0	E7111.1/2

- E653**
- NPT Combi Taps Spiral Flute 27°
  - NPT Combinación broca-macho Estrías helicoidales a 27°
  - NPT Macho Broca Canal Helicoidal 27°
  - NPT Foret tarauteur goujures hélicoïdales 27°

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



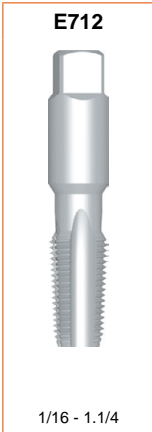
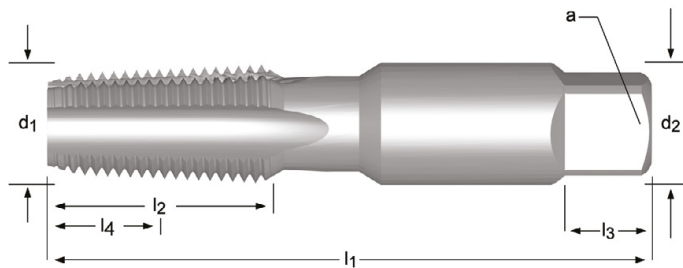
NPT	TPI	d <sub>1</sub> nom Inch	l <sub>1</sub> Inch	l <sub>2</sub> Inch	d <sub>2</sub> ∅ Inch	∇ a Inch	z	E653
1/8	27	0.3346	2.7/8	3/4	0.4370	0.3280	2	E6531/8
1/4	18	0.4331	3.5/16	1.1/16	0.5620	0.4210	2	E6531/4
3/8	18	0.5709	3.1/2	1.1/16	0.7000	0.5310	2	E6533/8
1/2	14	0.7087	4.3/8	1.3/8	0.6870	0.5150	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 Machine Tap Straight Flute
- NPTF Machos de máquina Estrias rectas
- NPTF Macho de Máquina Canais Direitos
- NPTF Tarauds machine Goujures droites

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

E712 NPTF ANSI B94.9 Normal 1.5XD HSS C 2-3

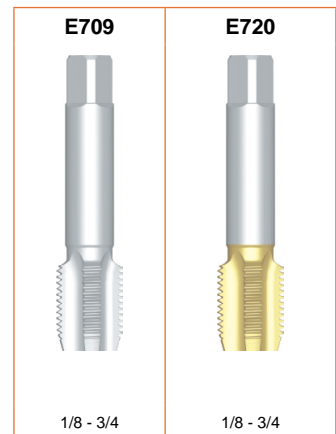
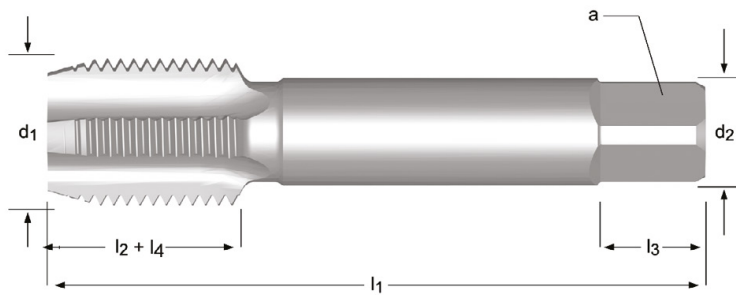


NPTF	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> ∅ mm	∠ a mm	l <sub>3</sub> mm	z		E712
1/16	27	7.94	65	17	11.7	8.1	6.0	8	4	6.20	E7121/16
1/8	27	10.29	70	19	11.9	11.1	8.3	10	4	8.40	E7121/8
1/4	18	13.72	75	27	17.6	14.3	10.7	11	4	10.90	E7121/4
3/8	18	17.15	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 Machine Tap Straight Flute  
 • NPSF Machos de máquina Estrías rectas  
**E720** • NPSF Macho de Máquina Canais Direitos  
 • NPSF Tarauds machine Goujures droites

<b>E709</b>	▪	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
<b>E720</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				

<b>E709</b>	NPSF	ANSI B94.9	Normal		1.5XD	HSS	C 2-3				
<b>E720</b>	NPSF	ANSI B94.9	Normal		1.5XD	HSS	C 2-3			TIN	



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> ∅ 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

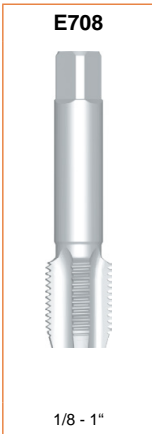
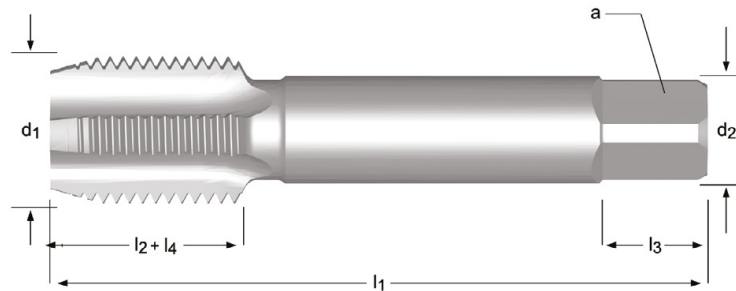
N01 - N09  
  
 219

# E708

- NPSM Machine Tap Straight Flute
- NPSM Machos de máquina Estrías rectas
- NPSM Macho de Máquina Canais Direitos
- NPSM Tarauds machine Goujures droites

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

E708 NPSM ANSI B94.9 Normal 1.5XD HSS C 2-3



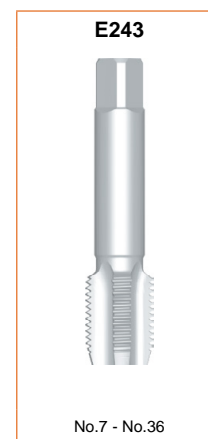
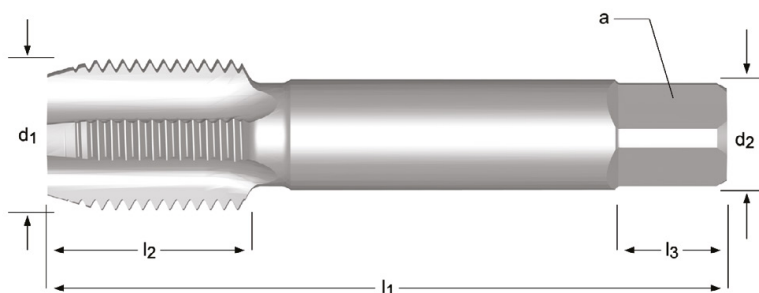
NPSM	TPI	d <sub>1</sub> nom mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>4</sub> mm	d <sub>2</sub> Ø mm	□ a mm	l <sub>3</sub> mm	z		E708
1/8	27	10.29	70	19	19	11.1	8.3	10	4	9.1	E7081/8
1/4	18	13.72	75	27	27	14.3	10.7	11	4	12.0	E7081/4
3/8	18	17.15	80	27	27	17.8	13.5	13	4	15.5	E7083/8
1/2	14	21.33	100	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 Machine Tap Straight Flute
- PG Machos de máquina Estriás rectas
- PG Macho de Máquina Canais Direitos
- PG Tarauts machine Goujures droite

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 PG DIN 40432 Normal 1.5XD HSS



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

N01 - N09  
219



# L119

- Metric Coarse Taps Set
- Machos Métricos, caja metálica
- Jogos de Machos em caixa metálica
- Coffret métallique de tarauds pas métrique

A=Styles in Set, B=No. in Set, M=Tap diameters in Set  
 A = Tipos en el juego, B=No. en el Juego, M= Diámetros Machos en el Juego  
 A=Tipos no Jogo, B=Quant. por Jogo., M=Diâmetros Macho por Jogo  
 A=Types de coffrets, B=Nombre dans le coffret, M=Diamètres de tarauds dans le coffret



Set	A	B	M	
Nr.17	E100	21	E100M3NO8, E100M4NO8, E100M5NO8, E100M6NO8, E100M8NO8, E100M10NO8, E100M12NO8	L11917

## L126

- Combi Taps Set
- Conjunto de Macho Broca
- Macho Broca - Jogo
- Jeu de forets taraudeurs

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

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

A=Tipos no Jogo, B=Quant. por Jogo., M=Diâmetros Macho por Jogo

A=Types de coffrets, B=Nombre dans le coffret, M=Diamètres de tarauds dans le coffret



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

# L113

- ISO Tap-Drill Set
- ISO Juego de Broca-Macho
- ISO Jogo de Broca + Macho
- ISO Jeu de forets-tarauds

A= Styles in Set, B= No. in Set, M= Tap diameters in Set, D= Drill diameters in Set  
 A = Tipos en el juego, B=No. en el Juego, M= Diámetros Machos en el Juego, D= Diámetros Brocas en el Juego  
 A=Tipos no Jogo, B=Quant. por Jogo., M=Diâmetros Macho por Jogo, D= Diâmetros Broca por Jogo  
 A=Types de coffrets, B=Nombre dans le coffret, M=Diamètres de tarauds dans le coffret, D=Diamètres de forets dans le coffret



Set	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 Tap-Drill Set
- DIN Juego de Broca-Macho
- DIN Jogo de Broca + Macho
- DIN Jeu de forets-tarauds

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

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

A=Tipos no Jogo, B=Quant. por Jogo., M=Diâmetros Macho por Jogo, D= Diâmetros Broca por Jogo





A=Types de coffrets, B=Nombre dans le coffret, M=Diamètres de tarauds dans le coffret, D=Diamètres de forets dans le coffret



L114



Set

Set	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
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
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
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

# L115

- Hand Tap-Drill Set
- Juego de machos de mano y brocas
- Jogo de Broca + Macho Manual
- Jeu de forets-tarauds à mains

A= Styles in Set, B= No. in Set, M= Tap diameters in Set, D= Drill diameters in Set  
 A = Tipos en el juego, B=No. en el Juego, M= Diámetros Machos en el Juego, D= Diámetros Brocas en el Juego  
 A=Tipos no Jogo, B=Quant. por Jogo., M=Diâmetros Macho por Jogo, D= Diâmetros Broca por Jogo  
 A=Types de coffrets, B=Nombre dans le coffret, M=Diamètres de tarauds dans le coffret, D=Diamètres de forets dans le coffret



Set	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

## L000

- Hand Tap-Drill Set (2 Piece) A= Styles in Set, B= No. in Set, M= Tap diameters in Set, D= Drill diameters in Set
- Juego de machos de roscar manuales (2 piezas) A = Tipos en el juego, B=No. en el Juego, M= Diámetros Machos en el Juego, D= Diámetros Brocas en el Juego
- Jogo de brocas + macho manual (2 peças) A=Tipos no Jogo, B=Quant. por Jogo., M=Diâmetros Macho por Jogo, D= Diâmetros Broca por Jogo
- Jeu de forets-tarauts à mains (2 pièces) A=Types de coffrets, B=Nombre dans le coffret, M=Diamètres de tarauds dans le coffret, D=Diamètres de forets dans le coffret



Nr.	A	B	M	D	L000
Nr.1	E500 + A002	2	E500M3NO2	A0022.5	L000E500M3NO2XA002
Nr.2	E500 + A002	2	E500M4NO2	A0023.3	L000E500M4NO2XA002
Nr.3	E500 + A002	2	E500M5NO2	A0024.2	L000E500M5NO2XA002
Nr.4	E500 + A002	2	E500M6NO2	A0025.0	L000E500M6NO2XA002
Nr.5	E500 + A002	2	E500M8NO2	A0026.8	L000E500M8NO2XA002
Nr.6	E500 + A002	2	E500M10NO2	A0028.5	L000E500M10NO2XA002
Nr.7	E500 + A002	2	E500M12NO2	A00210.2	L000E500M12NO2XA002
Nr.8	E500 + A002	2	E500M3NO3	A0022.5	L000E500M3NO3XA002
Nr.9	E500 + A002	2	E500M4NO3	A0023.3	L000E500M4NO3XA002
Nr.10	E500 + A002	2	E500M5NO3	A0024.2	L000E500M5NO3XA002
Nr.11	E500 + A002	2	E500M6NO3	A0025.0	L000E500M6NO3XA002
Nr.12	E500 + A002	2	E500M8NO3	A0026.8	L000E500M8NO3XA002
Nr.13	E500 + A002	2	E500M10NO3	A0028.5	L000E500M10NO3XA002
Nr.14	E500 + A002	2	E500M12NO3	A00210.2	L000E500M12NO3XA002

# L001

- DIN Tap-Drill Set (2 Piece) A= Styles in Set, B= No. in Set, M= Tap diameters in Set, D= Drill diameters in Set
- Juego de machos de roscar DIN (2 piezas) A = Tipos en el juego, B=No. en el Juego, M= Diámetros Machos en el Juego, D= Diámetros Brocas en el Juego
- DIN jogo de brocas + macho (2 peças) A=Tipos no Jogo, B=Quant. por Jogo., M=Diâmetros Macho por Jogo, D= Diâmetros Broca por Jogo
- Jeu de forets-tarands DIN (2 pièces) A=Types de coffrets, B=Nombre dans le coffret, M=Diamètres de tarauds dans le coffret, D=Diamètres de forets dans le coffret



Nr.	A	B	M	D	L001
Nr.1	EP006H + A002	2	EP00M3	A0022.5	L001EP00M3XA002
Nr.2	EP006H + A002	2	EP00M4	A0023.3	L001EP00M4XA002
Nr.3	EP006H + A002	2	EP00M5	A0024.2	L001EP00M5XA002
Nr.4	EP006H + A002	2	EP00M6	A0025.0	L001EP00M6XA002
Nr.5	EP006H + A002	2	EP00M8	A0026.8	L001EP00M8XA002
Nr.6	EP006H + A002	2	EP00M10	A0028.5	L001EP00M10XA002
Nr.7	EP006H + A002	2	EP00M12	A00210.2	L001EP00M12XA002
Nr.8	EX006H + A002	2	EX00M3	A0022.5	L001EX00M3XA002
Nr.9	EX006H + A002	2	EX00M4	A0023.3	L001EX00M4XA002
Nr.10	EX006H + A002	2	EX00M5	A0024.2	L001EX00M5XA002
Nr.11	EX006H + A002	2	EX00M6	A0025.0	L001EX00M6XA002
Nr.12	EX006H + A002	2	EX00M8	A0026.8	L001EX00M8XA002
Nr.13	EX006H + A002	2	EX00M10	A0028.5	L001EX00M10XA002
Nr.14	EX006H + A002	2	EX00M12	A00210.2	L001EX00M12XA002

# L002

- ISO Tap-Drill Set (2 Piece) A= Styles in Set, B= No. in Set, M= Tap diameters in Set, D= Drill diameters in Set
- Juego de machos de roscar ISO (2 piezas) A = Tipos en el juego, B=No. en el Juego, M= Diámetros Machos en el Juego, D= Diámetros Brocas en el Juego
- ISO jogo de brocas + macho (2 peças) A=Tipos no Jogo, B=Quant. por Jogo., M=Diâmetros Macho por Jogo, D= Diâmetros Broca por Jogo
- Jeu de forets-tarauds ISO (2 pièces) A=Types de coffrets, B=Nombre dans le coffret, M=Diamètres de tarauds dans le coffret, D=Diamètres de forets dans le coffret



Nr.	A	B	M	D	L002
Nr.1	E000 + A002	2	E000M3	A0022.5	L002E000M3XA002
Nr.2	E000 + A002	2	E000M4	A0023.3	L002E000M4XA002
Nr.3	E000 + A002	2	E000M5	A0024.2	L002E000M5XA002
Nr.4	E000 + A002	2	E000M6	A0025.0	L002E000M6XA002
Nr.5	E000 + A002	2	E000M8	A0026.8	L002E000M8XA002
Nr.6	E000 + A002	2	E000M10	A0028.5	L002E000M10XA002
Nr.7	E000 + A002	2	E000M12	A00210.2	L002E000M12XA002
Nr.8	E002 + A002	2	E002M3	A0022.5	L002E002M3XA002
Nr.9	E002 + A002	2	E002M4	A0023.3	L002E002M4XA002
Nr.10	E002 + A002	2	E002M5	A0024.2	L002E002M5XA002
Nr.11	E002 + A002	2	E002M6	A0025.0	L002E002M6XA002
Nr.12	E002 + A002	2	E002M8	A0026.8	L002E002M8XA002
Nr.13	E002 + A002	2	E002M10	A0028.5	L002E002M10XA002
Nr.14	E002 + A002	2	E002M12	A00210.2	L002E002M12XA002



# L120

- Threading Equipment Set
- Estuche de roscado en caja metálica
- Estojo de Roscagem, Cx. Metálica
- Coffret métallique d'équipements de taraudage

A= Styles in Set, B= No. in Set, M= Tap diameters in Set, F= Die diameters in Set, L112= Tap wrenches in Set, L110= Die stocks in Set

A = Tipos en el juego, B=No. en el Juego, M= Diámetros Machos en el Juego, F= Diámetros Terrajas en el Juego, L112 - en el Juego, L110 - en el Juego

A=Tipos no Jogo, B=Quant. por Jogo., M=Diâmetros Macho por Jogo, F= Diâmetros Caçonete por Jogo, L112= Desandadores p/ machos no jogo, L110= Desandadores p/ caçonetes no jogo

A=Types de coffrets, B=Nombre dans le coffret, M=Diamètres de tarauds dans le coffret, F= Diamètres de filières dans le coffret, L112= Porte filières dans le coffret, L110= Tourne à gauche dans le coffret



Set	A	B	M	F	L112	L110	L120
21	E100 + F100 + L112 + L110	21	E100M3NO8, E100M4NO8, E100M5NO8, E100M6NO8, E100M8NO8, E100M10NO8, E100M12NO8	F100M3, F100M4, F100M5, F100M6, F100M8, F100M10, F100M12	L112NO1.1/2, L112NO3	L1102A, L1102B, L1103, L1104, L1105	L12021
30	E100 + F100 + L112 + L110	30	E100M3NO8, E100M4NO8, E100M5NO8, E100M6NO8, E100M8NO8, E100M10NO8, E100M12NO8, E100M14NO8, E100M16NO8, E100M18NO8, E100M20NO8	F100M3, F100M4, F100M5, F100M6, F100M8, F100M10, F100M12, F100M14, F100M16, F100M18, F100M20	L112NO1.1/2, L112NO4	L1102A, L1102B, L1103, L1104, L1105, L1106	L12030
HS-2M	E500 + F300 + L112 + 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	L112BT1	L11013/16	L1202M
HS-4M	E500 + F300 + L112 + 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	L112BT2	L11013/16, L1101.5/16	L1204M

Set	A	B	M	F	L112	L110	L120
HS-8M	E500 + F300 + L112 + L110	17	E500M2NO1, E500M2NO3, E500M3NO1, E500M3NO3, E500M4NO1, E500M4NO3, E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3	F300M2X13/16, F300M3X13/16, F300M4X13/16, F300M5X13/16, F300M6X13/16	L112BT1	L11013/16	L1208M
HS-10M	E500 + F300 + L112 + 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	L112BT2	L11013/16, L1101INCH	L12010M
HS-12M	E500 + F300 + L112 + 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	L112BT1, L112BT2	L11013/16, L1101INCH, L1101.5/16	L12012M
HS-14M	E500 + F300 + L112 + 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	L112NO3	L1101INCH, L1101.5/16, L1101.1/2	L12014M
HS-30UNC	E515 + F320 + L112 + 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	L112BT2	L1101INCH, L1101.5/16	L12030UNC
HS-32UNC	E515 + F320 + L112 + 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	L112BT2, L112NO3	L1101INCH, L1101.1/2	L12032UNC

Set	A	B	M	F	L112	L110	L120
HS-24UNF	E524 + F330 + L112 + 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	L112BT2	L1101INCH, L1101.5/16	L12024UNF
HS-26UNF	E524 + F330 + L112 + 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	L112BT2, L112NO3	L1101INCH, L1101.1/2	L12026UNF

## L110

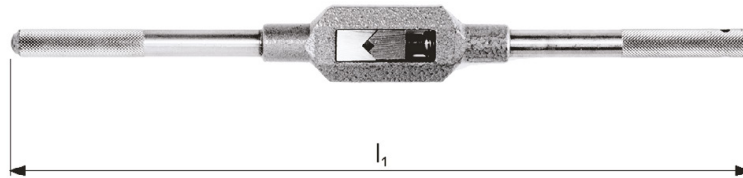
- Die Stocks
- Maneta para Terrajas “ Portaterrajas”
- Desandador p/ Caçonetes Circulares
- Porte filières



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

# L112

- Tap Wrenches
- Portamachos regulable
- Desandador para Machos Ajustável
- Tourne à gauche



Nr.	$l_1$ mm	$\square$ a mm	$\square$ a Inch	Tap Range (M)	Tap Range (Inch)	L112
BT1	105	1.0 - 6.5	0.0394 - 0.2559	M1 - M8	No. 0 - 5/16	L112BT1
BT2	162	1.0 - 10.0	0.0394 - 0.3937	M1 - M14	No. 0 - 5/8	L112BT2
0	130	2.0 - 5.0	0.0787 - 0.1969	M1 - M5	No. 0 - 1/4	L112NO0
1.1/2	205	2.1 - 8.0	0.0827 - 0.3150	M2.2 - M12	No. 0 - 1/2	L112NO1.1/2
3	380	4.9 - 12.0	0.1929 - 0.4724	M5 - M20	5/16 - 3/4	L112NO3
4	500	5.5 - 16.0	0.2165 - 0.6299	M7 - M30	5/16 - 1"	L112NO4
6	1000	11.0 - 24.0	0.4331 - 0.9449	M18 - M42	3/4 - 1.1/2	L112NO6
7	1250	16.0 - 32.0	0.6299 - 1.2598	M27 - M48	1.1/8 - 2"	L112NO7

