

A high-contrast, black and white photograph of a metal thread-forming tool. The tool features a double-flute design, with two sharp, curved cutting edges that create a helical pattern. The lighting highlights the metallic texture and the precision of the tool's geometry. The background is dark, making the tool stand out.

Roscado 
Taraudage
Threading

 **hercus**

Machos de máquina / Tarauds machine / Machine taps (M-MF)

Entrada recta (Agujeros Ciegos y pasantes) / Entrée droite (trous borgnes et débouchants) / Straight flute (through and blind holes)													
2102	HSSE	DIN 371			M DIN 13	MF DIN 13	Form. C		Tol. 6H	R	800 N/mm²	118	
2101	HSSE	DIN 376/374			M DIN 13	MF DIN 13	Form. C		Tol. 6H	D	800 N/mm²	119	
2102/5	HSSE	DIN 371			M DIN 13		Form. C		Tol. 6H		R	800 N/mm²	121
2101/5	HSSE	DIN 376/374			M DIN 13	MF DIN 13	Form. C		Tol. 6H		D	800 N/mm²	121
2114	HSSE	DIN 371			M DIN 13	MF DIN 13	Form. A		Tol. 6H		R	800 N/mm²	122
2113	HSSE	DIN 376/374			M DIN 13	MF DIN 13	Form. A		Tol. 6H		D	800 N/mm²	122
2190	HSSE	DIN 371			M DIN 13		Form. E		Tol. 6H	R	MF	CU	123
2191	HSSE	DIN 376			M DIN 13		Form. E		Tol. 6H	D	MF	CU	123
2129	HSSE	DIN 371	NIT		M DIN 13		Form. C		Tol. 6HX	R	MF	F	124
2128	HSSE	DIN 376	NIT		M DIN 13		Form. C		Tol. 6HX	D	MF	F	124
2180	HSSE-PM	DIN 371	TiCN		M DIN 13		Form. C		Tol. 6HX	R	MF	F	125
2179	HSSE-PM	DIN 376	TiCN		M DIN 13		Form. C		Tol. 6HX	D	MF	F	125
Entrada Corregida (Agujeros pasantes) / Entrée corrigée (Trous débouchants) / Spiral point (through holes)													
2104	HSSE	DIN 371			M DIN 13	MF DIN 13	Form. B "Gun"		Tol. 6H	R	800 N/mm²	126	
2103	HSSE	DIN 376/374			M DIN 13	MF DIN 13	Form. B "Gun"		Tol. 6H	D	800 N/mm²	126	
2111	HSSE	DIN 371-L			M DIN 13		Form. B "Gun"		Tol. 6H	R	800 N/mm²	127	
2110	HSSE	DIN 371			M DIN 13		Form. B "Gun"		Tol. 6H +0,1	R	800 N/mm²	127	
2109	HSSE	DIN 376			M DIN 13		Form. B "Gun"		Tol. 6H +0,1	D	800 N/mm²	128	
2168	HSSE	DIN 371			M DIN 13		Form. B "Gun"		Tol. 6G	R	800 N/mm²	128	
2169	HSSE	DIN 376			M DIN 13		Form. B "Gun"		Tol. 6G	D	800 N/mm²	128	

2250	HSSE	DIN 371	VAP		M DIN 13	MF DIN 13	Form. B "Gun"	Tol. 6H	R	MF	800 N/mm ²	129
2251	HSSE	DIN 376/374	VAP		M DIN 13	MF DIN 13	Form. B "Gun"	Tol. 6H	D	MF	800 N/mm ²	129
2116	HSSE	DIN 371	TIN		M DIN 13	Form. B "Gun"	Tol. 6H		R	MF	800 N/mm ²	130
2115	HSSE	DIN 376	TIN		M DIN 13	Form. B "Gun"	Tol. 6H		D	MF	800 N/mm ²	130
2126	HSSE-PM	DIN 371	TICN		M DIN 13	Form. B "Gun"	Tol. 6H		R	MF	1100 N/mm ²	131
2125	HSSE-PM	DIN 376/374	TICN		M DIN 13	Form. B "Gun"	Tol. 6H		D	MF	1100 N/mm ²	131
2176	HSSE-PM	DIN 371	TICN		M DIN 13	Form. B "Gun"	Tol. 6HX		R	MF	1400 N/mm ²	132
2175	HSSE-PM	DIN 376	TICN		M DIN 13	Form. B "Gun"	Tol. 6HX		D	MF	1400 N/mm ²	132
2122	HSSE	DIN 371	VAP		M DIN 13	Form. B "Gun"	Tol. 6H		R	MF	INOX	133
2121	HSSE	DIN 376/374	VAP		M DIN 13	Form. B "Gun"	Tol. 6H		D	MF	INOX	133
2219	HSSE	DIN 371	TIN		M DIN 13	Form. B "Gun"	Tol. 6H		R	MF	INOX	134
2220	HSSE	DIN 376/374	TIN		M DIN 13	Form. B "Gun"	Tol. 6H		D	MF	INOX	134
2133	HSSE	DIN 371			M DIN 13	Form. B "Gun"	Tol. 6H		R	MF	AL	135
2132	HSSE	DIN 376			M DIN 13	Form. B "Gun"	Tol. 6H		D	MF	AL	135
2184	HSSE	DIN 371	CrN		M DIN 13	Form. B "Gun"	Tol. 6H		R	MF	AL	136
2183	HSSE	DIN 376	CrN		M DIN 13	Form. B "Gun"	Tol. 6H		D	MF	AL	136
2254	HSSE-PM	DIN 371 MULTI	HL		M DIN 13	Form. B "Gun"	Tol. 6HX		R	MF	1100 N/mm ²	137
2255	HSSE-PM	DIN 371 MULTI	HL		M DIN 13	Form. B "Gun"	Tol. 6HX		D	MF	1100 N/mm ²	137
2258	HSSE-PM	DIN 371 SYNCHRO	HL		M DIN 13	Form. B "Gun"	Tol. 6HX	CNC	R	MF	1100 N/mm ²	138
2259	HSSE-PM	DIN 371 SYNCHRO	HL		M DIN 13	Form. B "Gun"	Tol. 6HX	CNC	D	MF	1100 N/mm ²	138

Forma Helicoidal (Agujeros ciegos) / Forme helicoidale (Trous borgnes) / Spiral fluted (Blind holes)

2106	HSSE	DIN 371			M DIN 13	MF DIN 13	Form. C		Tol. 6H		35°	R	800 N/mm ²	139
2105	HSSE	DIN 376/374			M DIN 13	MF DIN 13	Form. C		Tol. 6H		35°	D	800 N/mm ²	139
2112	HSSE	DIN 371-L			M DIN 13		Form. C		Tol. 6H		35°	R	800 N/mm ²	140
2166	HSSE	DIN 371			M DIN 13		Form. C		Tol. 6H +0,1		35°	R	800 N/mm ²	140
2165	HSSE	DIN 376			M DIN 13		Form. C		Tol. 6H +0,1		35°	D	800 N/mm ²	140
2170	HSSE	DIN 371			M DIN 13		Form. C		Tol. 6G		35°	R	800 N/mm ²	141
2208	HSSE	DIN 376			M DIN 13		Form. C		Tol. 6G		35°	D	800 N/mm ²	141
2108	HSSE	DIN 371			M DIN 13		Form. C		Tol. 6H		15°	R	800 N/mm ²	142
2107	HSSE	DIN 376/374			M DIN 13		Form. C		Tol. 6H		15°	D	800 N/mm ²	142
2252	HSSE	DIN 371	VAP		M DIN 13	MF DIN 13	Form. C		Tol. 6H		35°	R	800 N/mm ²	143
2253	HSSE	DIN 376/374	VAP		M DIN 13	MF DIN 13	Form. C		Tol. 6H		35°	D	800 N/mm ²	143
2118	HSSE	DIN 371	TIN		M DIN 13		Form. C		Tol. 6H		35°	R	800 N/mm ²	144
2117	HSSE	DIN 376/374	TIN		M DIN 13		Form. C		Tol. 6H		35°	D	800 N/mm ²	144
2124	HSSE-PM	DIN 371	TICN		M DIN 13		Form. C		Tol. 6H		35°	R	1100 N/mm ²	145
2123	HSSE-PM	DIN 376/374	TICN		M DIN 13		Form. C		Tol. 6H		35°	D	1100 N/mm ²	145
2178	HSSE-PM	DIN 371	TICN		M DIN 13		Form. C		Tol. 6HX		15°	R	1400 N/mm ²	146
2177	HSSE-PM	DIN 376	TICN		M DIN 13		Form. C		Tol. 6HX		15°	D	1400 N/mm ²	146
2120	HSSE	DIN 371	VAP		M DIN 13		Form. C		Tol. 6H		35°	R	INOX	147
2119	HSSE	DIN 376/374	VAP		M DIN 13		Form. C		Tol. 6H		35°	D	INOX	147

2221	HSSE	DIN 371	TIN		M DIN 13	Form. C		Tol. 6H	35°	R	MF	INOX	148	
2222	HSSE	DIN 376/374	TIN		M DIN 13	Form. C		Tol. 6H	35°	D	MF	INOX	148	
2182	HSSE	DIN 371			M DIN 13	Form. C		Tol. 6H	45°	R	MF	AL	149	
2181	HSSE	DIN 376			M DIN 13	Form. C		Tol. 6H	45°	D	MF	AL	149	
2186	HSSE	DIN 371	CrN		M DIN 13	Form. C		Tol. 6H	45°	R	MF	AL	150	
2185	HSSE	DIN 376	CrN		M DIN 13	Form. C		Tol. 6H	45°	D	MF	AL	150	
2256	HSSE-PM	DIN 371 MULTI	HL		M DIN 13	Form. C		Tol. 6HX	45°	R	MF	1100 N/mm2	151	
2257	HSSE-PM	DIN 376 MULTI	HL		M DIN 13	Form. C		Tol. 6HX	45°	D	MF	1100 N/mm2	151	
2260	HSSE-PM	DIN 371 SYNCHRO	HL		M DIN 13	CNC	Form. C		Tol. 6HX	45°	R	MF	1100 N/mm2	152
2261	HSSE-PM	DIN 376 SYNCHRO	HL		M DIN 13	CNC	Form. C		Tol. 6HX	45°	D	MF	1100 N/mm2	152

Laminación / Tarauds à refouler / Forming taps

2188	HSSE-PM	DIN 371	TIN		M DIN 13 Form. C  Tol. 6HX A>12%  MF 1100 N/mm²	153
2187	HSSE-PM	DIN 376	TIN		M DIN 13 Form. C  Tol. 6HX A>12%  MF 1100 N/mm²	153
2214	HSSE-PM	DIN 371	TIN		M DIN 13  Form. C  Tol. 6HX A>12%  MF 1100 N/mm²	154
2213	HSSE-PM	DIN 376	TIN		M DIN 13  Form. C  Tol. 6HX A>12%  MF 1100 N/mm²	154
2216	HSSE-PM	DIN 371	TIN		M DIN 13 Form. C  Tol. 6GX A>12%  MF 1100 N/mm²	155
2215	HSSE-PM	DIN 376	TIN		M DIN 13 Form. C  Tol. 6GX A>12%  MF 1100 N/mm²	155
2218	HSSE-PM	DIN 371	TIN		M DIN 13  Form. C  Tol. 6GX A>12%  MF 1100 N/mm²	156
2217	HSSE-PM	DIN 376	TIN		M DIN 13  Form. C  Tol. 6GX A>12%  MF 1100 N/mm²	156

Otros / Autres / Others

2199	HSSE	DIN 357			M DIN 13		16-18h		Tol. 6H		R	800 N/mm ²	157
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2134	HSSE		NIT		M DIN 13	16-18h	Tol. 6H		D	800 N/mm ²	157	
2806	HSSE	DIN 13			M DIN 13		Tol. 6H			800 N/mm ²	158	
1504	HSS	Hex			M DIN 13		Tol. 6H			800 N/mm ²	158	
2248	HSS	ISO 529			M DIN 13	Form. B "Gun"	Tol. 6H			800 N/mm ²	159	
2249	HSS	ISO 529			M DIN 13	Form. C	Tol. 6H			800 N/mm ²	159	
N 2266	HSSE	JIS			M DIN 13	MF DIN 13	Form. B "Gun"	Tol. 6H	D	800 N/mm ²	160	
N 2267	HSSE	JIS			M DIN 13	MF DIN 13	Form. C	Tol. 6H		D	800 N/mm ²	160
N 2268	HSSE	JIS	VAP		M DIN 13	MF DIN 13	Form. B "Gun"	Tol. 6H	D MF	800 N/mm ²	161	
N 2269	HSSE	JIS	VAP		M DIN 13	MF DIN 13	Form. C	Tol. 6H		D MF	800 N/mm ²	161
N 2270	HSSE	JIS	TIN		M DIN 13	MF DIN 13	Form. B "Gun"	Tol. 6H	D MF	800 N/mm ²	162	
N 2271	HSSE	JIS	TIN		M DIN 13	MF DIN 13	Form. C	Tol. 6H		D MF	800 N/mm ²	162

Machos de máquina / Tarauts machine / Machine taps (UNC-UNF-UN-UNS-UNEF)

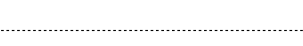
2148	HSSE	DIN 371			UNC ANERASIVE B1.1	Form. C	Tol. 2B	R	800 N/mm ²	163
2147	HSSE	DIN 376			UNC ANERASIVE B1.1	Form. C	Tol. 2B	D	800 N/mm ²	163
2147/5	HSSE	DIN 376			UNC ANERASIVE B1.1	Form. C	LH	D	800 N/mm ²	163
2150	HSSE	DIN 371			UNC ANERASIVE B1.1	Form. B "Gun"	Tol. 2B	R	800 N/mm ²	164
2149	HSSE	DIN 376			UNC ANERASIVE B1.1	Form. B "Gun"	Tol. 2B	D	800 N/mm ²	164
N 2262	HSSE	DIN 371	VAP		UNC ANERASIVE B1.1	Form. B "Gun"	Tol. 2B	R MF	800 N/mm ²	165
N 2263	HSSE		VAP		UNC ANERASIVE B1.1	Form. B "Gun"	Tol. 2B	D MF	800 N/mm ²	165
2234	HSSE	DIN 371	TIN		UNC ANERASIVE B1.1	Form. B "Gun"	Tol. 2B	R MF	800 N/mm ²	166

2235	HSSE	DIN 376	TIN		UNC ANSI/ASME B1.1	Form. B "Gun"		Tol. 2B		D		800 N/mm ²	166
2238	HSSE	DIN 371	VAP		UNC ANSI/ASME B1.1	Form. B "Gun"		Tol. 2B		R		INOX	167
2239	HSSE	DIN 376	VAP		UNC ANSI/ASME B1.1	Form. B "Gun"		Tol. 2B		D		INOX	167
2152	HSSE	DIN 371			UNC ANSI/ASME B1.1	Form. C		Tol. 2B		35° R		800 N/mm ²	168
2151	HSSE	DIN 376			UNC ANSI/ASME B1.1	Form. C		Tol. 2B		35° D		800 N/mm ²	168
N 2264	HSSE	DIN 371	VAP		UNC ANSI/ASME B1.1	Form. C		Tol. 2B		35° R		800 N/mm ²	169
N 2265	HSSE	DIN 371	VAP		UNC ANSI/ASME B1.1	Form. C		Tol. 2B		35° D		800 N/mm ²	169
2236	HSSE	DIN 371	TIN		UNC ANSI/ASME B1.1	Form. C		Tol. 2B		35° R		800 N/mm ²	170
2237	HSSE	DIN 376	TIN		UNC ANSI/ASME B1.1	Form. C		Tol. 2B		35° D		800 N/mm ²	170
2240	HSSE	DIN 371	VAP		UNC ANSI/ASME B1.1	Form. C		Tol. 2B		35° R		INOX	171
2241	HSSE	DIN 376	VAP		UNC ANSI/ASME B1.1	Form. C		Tol. 2B		35° D		INOX	171
2154	HSSE	DIN 371			UNF ANSI/ASME B1.1	Form. C		Tol. 2B		R		800 N/mm ²	172
2153	HSSE	DIN 374			UNF ANSI/ASME B1.1	Form. C		Tol. 2B		D		800 N/mm ²	172
2153/5	HSSE	DIN 374			UNF ANSI/ASME B1.1	Form. C		Tol. 2B		4° D		800 N/mm ²	173
2156	HSSE	DIN 371			UNF ANSI/ASME B1.1	Form. B "Gun"		Tol. 2B		R		800 N/mm ²	174
2155	HSSE	DIN 374			UNF ANSI/ASME B1.1	Form. B "Gun"		Tol. 2B		D		800 N/mm ²	174
2158	HSSE	DIN 371			UNF ANSI/ASME B1.1	Form. C		Tol. 2B		35° R		800 N/mm ²	175
2157	HSSE	DIN 374			UNF ANSI/ASME B1.1	Form. C		Tol. 2B		35° D		800 N/mm ²	175
2189	HSSE	DIN 374			UN ANSI/ASME B1.1	Form. C		Tol. 2B		D		800 N/mm ²	176
2160	HSSE	DIN 374			UNEF ANSI/ASME B1.1	Form. C		Tol. 2B		D		800 N/mm ²	176

Machos de máquina / Tarauds machine / Machine taps (BSW-BSF)

2136	HSSE	DIN 371		BSW BS 84	Form. C			800 N/mm ²	177
2135	HSSE	DIN 376		BSW BS 84	Form. C			800 N/mm ²	177
2136/5	HSSE	DIN 371		BSW BS 84	Form. C			800 N/mm ²	178
2135/5	HSSE	DIN 376		BSW BS 84	Form. C			800 N/mm ²	178
2138	HSSE	DIN 371		BSW BS 84	Form. B "Gun"			800 N/mm ²	179
2137	HSSE	DIN 376		BSW BS 84	Form. B "Gun"			800 N/mm ²	179
2140	HSSE	DIN 371		BSW BS 84	Form. C			800 N/mm ²	180
2139	HSSE	DIN 376		BSW BS 84	Form. C			800 N/mm ²	180
2141	HSSE	DIN 371		BSF BS 84	Form. C			800 N/mm ²	181
2142	HSSE	DIN 376		BSF BS 84	Form. C			800 N/mm ²	181

Machos de máquina / Tarauds machine / Machine taps (G-Rc-NPT)

2144	HSSE	DIN 5156		G ISO 228	Form. C			800 N/mm ²	182
2144/5	HSSE	DIN 5156		G ISO 228	Form. C			800 N/mm ²	182
2192	HSSE	DIN 5156		G ISO 228	Form. E			CU	183
2206	HSSE	DIN 5156		G ISO 228	Form. E			CU	183
2145	HSSE	DIN 5156		G ISO 228	Form. B "Gun"			800 N/mm ²	184
2146	HSSE	DIN 5156		G ISO 228	Form. C			800 N/mm ²	184
2159	HSSE	DIN 5156		Rc DIN 2999	Form. C			800 N/mm ²	185
2164	HSSE	DIN 374		NPT ANSI B1.1 BS 2113	Form. C			800 N/mm ²	185
2212	HSSE			Tr DIN 103				800 N/mm ²	186

Machos de máquina / Tarauds machine / Machine taps (TR-VG)							
2212/5	HSSE				Tr DIN 103  Tol. 7H  800 N/mm²	186	
2163	HSSE	DIN 40433			PG DIN 40433 Form. C   800 N/mm²	187	
2242	HSSE	DIN 371			VG BS 84 Form. C   800 N/mm²	187	
2243	HSSE	DIN 374			VG BS 84 Form. C   800 N/mm²	187	
Machos de mano / Tarauds à main / Hands taps							
2301	HSS	DIN 352 / 2181			M DIN 13 MF DIN 13  Tol. 6H 800 N/mm²	188	
2301/5	HSS	DIN 352			M DIN 13 MF DIN 13  Tol. 6H  800 N/mm²	190	
2302	HSS	DIN 352	TIN		M DIN 13  Tol. 6H 800 N/mm²	190	
2314	HSSE	DIN 352			M DIN 13  Tol. 6HX 1100 N/mm²	191	
2303	HSSE	DIN 352	VAP		M DIN 13  Tol. 6HX INOX	191	
N 2324	HSSE-PM	DIN 352	TiCN		M DIN 13  Tol. 6HX 1400 N/mm²	192	
2304	HSS	DIN 352			BSW BS 84   800 N/mm²	193	
2304/5	HSS	DIN 352			BSW BS 84  800 N/mm²	193	
2305	HSS	DIN 2181			BSF BS 84  800 N/mm²	194	
2306	HSS	DIN 5157			G ISO 228  800 N/mm²	194	

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2306/5	HSS	DIN 5157		  	800 N/mm ²	195
2316	HSS	DIN 5157		 	CU	195
2317	HSS	DIN 5157		  +0,1	CU	195
2307	HSS	DIN 352		  Tol. 2B	800 N/mm ²	196
2307/5	HSS	DIN 352		  Tol. 2B 	800 N/mm ²	196
2308	HSS	DIN 2181		  Tol. 2B	800 N/mm ²	197
2308/5	HSS	DIN 2181		  Tol. 2B 	800 N/mm ²	197
2315	HSS	DIN 2181		  Tol. 2B	800 N/mm ²	198
2309	HSS	DIN 5157		 	800 N/mm ²	198
2310	HSS	DIN 2181		  Tol. 2B	800 N/mm ²	198
2312	HSS	DIN 40432		 	800 N/mm ²	199
2313	HSS	DIN 2181		 	800 N/mm ²	199

Machos Perfil Completo / Taraud Profil Complet / Non Serial Form Taps

2321	HSS	DIN 352		   Tol. 6H	800 N/mm ²	200
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2322	HSS	DIN 352			 	800 N/mm ²	201
2323	HSS	DIN 2181			 	800 N/mm ²	201

Cojinetes / Filières / Dies

2501	HSS	DIN EN22568			 	800 N/mm ²	202
2501/5	HSS	DIN EN22568			   	800 N/mm ²	203
2514	HSSE	DIN EN22568	NIT		    	1100 N/mm ²	204
2512	HSSE	DIN EN22568	VAP		   	INOX	204
2502	HSS	DIN EN22568				800 N/mm ²	205
2502/5	HSS	DIN EN22568			 	800 N/mm ²	205
2503	HSS	DIN EN22568				800 N/mm ²	206
2504	HSS	DIN EN24231				800 N/mm ²	206
2504/5	HSS	DIN EN24231			 	800 N/mm ²	206
2522	HSS	DIN EN24231			 	CU	207
2521	HSS	DIN EN24231			   	CU	207
2505	HSS	DIN EN22568			 	800 N/mm ²	208
2505/5	HSS	DIN EN22568			  	800 N/mm ²	208
2506	HSS	DIN EN22568			 	800 N/mm ²	209
2506/5	HSS	DIN EN22568			  	800 N/mm ²	209
2507	HSS	DIN EN24230				800 N/mm ²	210

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2508	HSS	DIN EN22568		UNEF ANSI B1.1	Tol. 2A	800 N/mm ²	210
2520	HSS	DIN EN22568		UN ANSI B1.1	Tol. 2A	800 N/mm ²	210
2510	HSS	DIN 40434		PG DIN 40430		800 N/mm ²	211
2509	HSS	DIN EN24230		NPT ANSI B1.20.1		800 N/mm ²	211

Machos máquina para insertos / Tarauds machine pour inserts / Machine taps for wire thread inserts

2701	HSS	ISO 529		M DIN 13	Form. D	Tol. 4H	800 N/mm ²	212
2702	HSS	ISO 529		UNC ANSI B1.1	Form. D	Tol. 4H	800 N/mm ²	212
2703	HSS	ISO 529		UNF ANSI B1.1	Form. D	Tol. 4H	800 N/mm ²	213
2704	HSS	ISO 529		BSW BS 84	Form. D	Tol. 4H	800 N/mm ²	213
N 2715	HSS	ISO 529		G ISO 229	Form. D		800 N/mm ²	213

Insertos roscados / Filets rapportés / Wire thread inserts

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¿Por qué conformarse con menos?

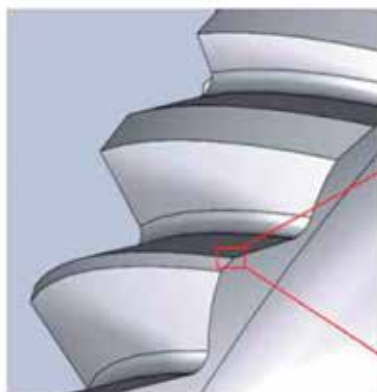
- La tecnología MICROFINISH consiste en que una vez el macho de roscar es rectificado, se limpia de rebabas y se redondean las aristas de corte.
- Se logra un mayor control y estabilidad del desgaste de la herramienta.
- Ello se traduce en un notable incremento de su rendimiento.
- Y en la mejora de los acabados de la rosca.

Pourquoi se satisfaire de peu?

- La technologie MICROFINISH agit après le surfaçage du taraud, qui est nettoyé des bavures et dont les arêtes de coupe sont arrondies.
- L'usure de l'outil est alors mieux contrôlée et plus stable.
- Cela se traduit par une augmentation significative de son rendement.
- Et une amélioration des finitions du filetage.

Why settle for less?

- With MICROFINISH technology once the thread of the tap is rectified, it is cleaned from burrs and the cutting edges are rounded.
- Greater control and stability of wear on the tool is achieved.
- This translates into a notable increase in performance.
- And improves the finishes of the thread.



CON MICROFINISH
AVEC MICROFINISH / WITH MICROFINISH



SIN MICROFINISH
SANS MICROFINISH / WITHOUT MICROFINISH

CON MICROFINISH

AVEC MICROFINISH / WITH MICROFINISH



SIN MICROFINISH

SANS MICROFINISH / WITHOUT MICROFINISH



1. UNA ROSCA CON CALIDAD SUPERFICIAL SUPERIOR

Las roscas obtenidas tienen una calidad superficial superior, gracias a dos efectos:

- La geometría redondeada de forma constante a lo largo de todo el filo de corte del macho, permite un corte continuo y homogéneo de la rosca de la pieza.
- La menor rugosidad superficial de la rosca del macho reduce la fricción durante el roscado para obtener a su vez, una rosca con mejor calidad superficial.

2. MAYOR VIDA ÚTIL DE LA HERRAMIENTA

- Gracias a su nuevo acabado redondeado y a que el filo de corte se va desgastando de manera más controlada y constante, se evita el salto de partículas de cualquier forma y tamaño.
- Ello impide que se produzcan roturas prematuras con el uso.

1. UN FILET D'UNE QUALITÉ DE SURFACE SUPÉRIEURE

Les filets obtenus présentent une qualité de surface supérieure, grâce à deux effets :

- La géométrie arrondie de manière constante tout au long du fil de coupe du taraud apporte une coupe continue et homogène sur le filetage de la pièce.
- La plus faible rugosité de surface du taraud réduit la friction lors du taraudage, permettant ainsi d'obtenir un filet de meilleure qualité de surface.

2. UNE DURÉE DE VIE UTILE DE L'OUTIL PROLONGÉE

- Grâce à sa nouvelle finition arrondie et grâce à un fil de coupe qui s'use de manière mieux contrôlée et plus homogène, le décrochement de particules de toute forme et dimension est évité.
- Cela évite les ruptures prématurées à l'usage.

1. A THREAD WITH HIGHER SERVICE QUALITY

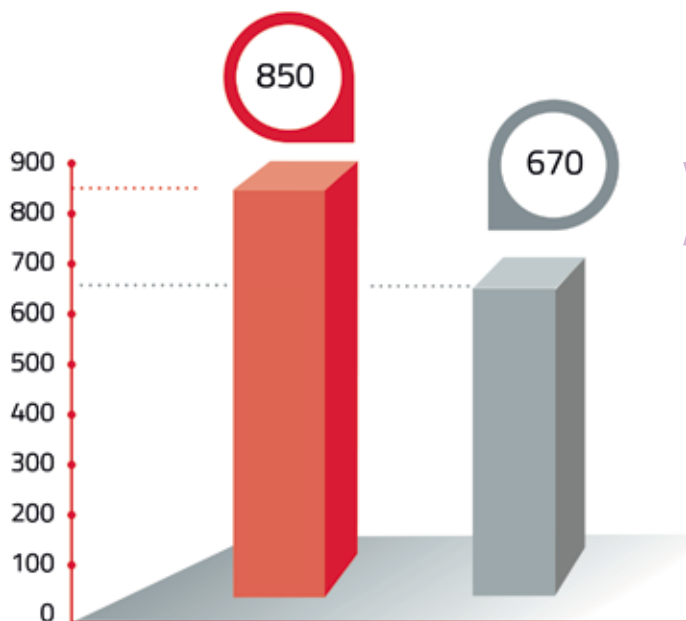
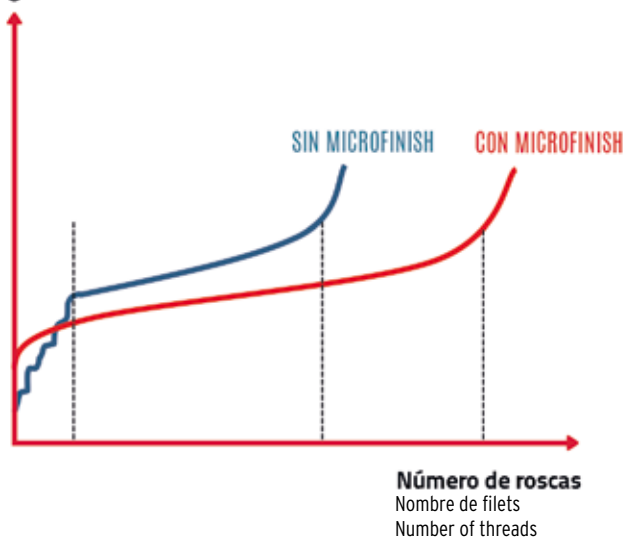
The threads obtained have a higher service quality, thanks to two effects:

- The constant rounded geometry over the entire cutting edge of the tap enables continuous and even cutting of the part's thread.
- The lower surface roughness of the thread on the tap reduces friction during threading, which obtains a thread with a higher surface quality.

2. LONGER SERVICE LIFE OF THE TOOL

- Thanks to its new rounded finish and that the cutting-edge is worn in a controlled and constant manner, the release of particles of any shape and size is avoided.
- This avoids premature breakage with use.

Desgaste Usure /Wear



Rosca/Filet/Thread: M6 6H
Material/Matériau/Material: F114 (C45)
Profundidad/Profondeur/Depth: 12mm
Velocidad/Vitesse/Speed: 10 m/min

FORMULARIO MACHOS ESPECIALES

FICHE TECHNIQUE TARAUDS SPECIAUX / TECHNICAL ENQUIRY FOR SPECIAL TAPS

Fecha / Date:

Empresa / Entreprise / Company: Contacto / Contact:

Dirección / Adresse / Address: Población / Ville / Town:

Tel / Fax: E-mail:

TRABAJO A REALIZAR / TRAVAIL DEMANDE / REQUESTED WORK

Material / Matière / Material: Norma / Norme / Norm:

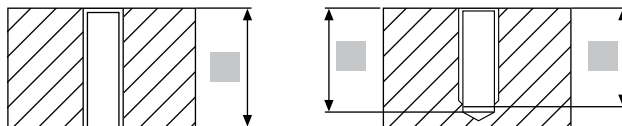
Dureza / Durété / Hardness: HB HRC Resistencia / Résistance / Resistance: N/mm²

Tipo viruta: ☐ Corta ☐ Larga ☐ Polvo
Type copeau: Courte Longue Poussière
Shaving: Short Long Powder

Máquina / Machine: Refrigerante / Réfrigérant / Coolant:

Posición / Position: ☐ Horizontal ☐ Vertical ☐ V. Corte ☐ V. avance
V. Coupe Avance
Cutting Speed Feed

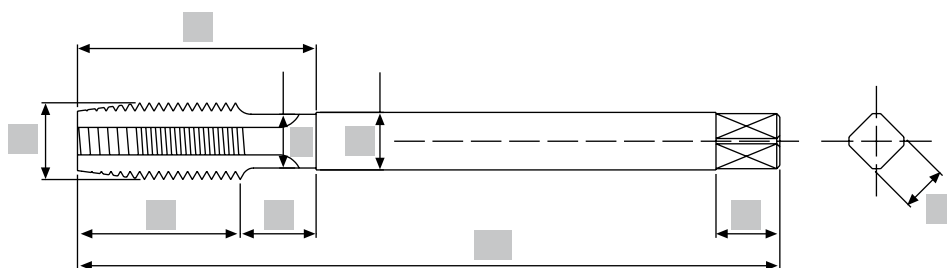
Agujero / Trou / Hole:



HERRAMIENTA / OUTIL / TOOL

Descripción / Description: Tolerancia / Tolérance / Tolerance:

Cantidad / Quantité / Quantity: Número ranuras / Rainures / Grooves:



Mango: ☐ Cilíndrico ☐ Weldon ☐ Cónico ☐ Rebajado
Queue: Cylindrique Weldon Conique Réduite
Shank: Straight Weldon Taper Reduced

Entrada: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ Otra
Entrée: A B C D E Autres
Entry: A B C D E Others

Material / Matière / Material: ☐ HSS ☐ HSSE ☐ HM ☐ HSS-HM

Superficie / Surface: ☐ Brillante ☐ Recubrimiento
Brillant Revêtement
Brilliant Coating

COMENTARIOS / COMMENTAIRES/ COMMENTS:

FORMULARIO COJINETES ESPECIALES

FICHE TECHNIQUE FILIERES SPECIAUX / TECHNICAL ENQUIRY FOR SPECIAL DIES

Fecha / Date:

Empresa / Entreprise / Company: Contacto / Contact:

Dirección / Adresse / Address: Población / Ville / Town:

Tel / Fax: E-mail:

TRABAJO A REALIZAR / TRAVAIL DEMANDE / REQUESTED WORK

Material / Matière / Material: Norma / Norme / Norm:

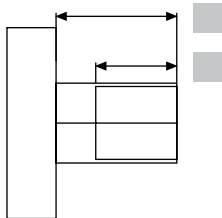
Dureza / Durété / Hardness HB HRC Resistencia / Résistance / Resistance N/mm²

Tipo viruta: ☐ Corta ☐ Larga ☐ Polvo
Type copeau Courte Longue Poussière
Shaving Short Long Powder

Máquina / Machine: Refrigerante / Réfrigérant / Coolant:

Posición / Position: ☐ Horizontal ☐ Vertical ☐ V. Corte ☐ V. avance
V. Coupe Avance
Cutting Speed Feed

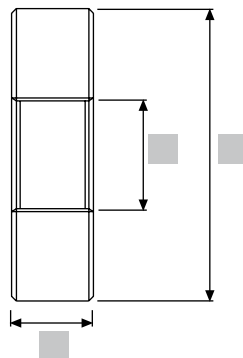
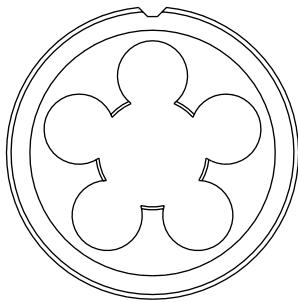
Eje / Axe / Axis:



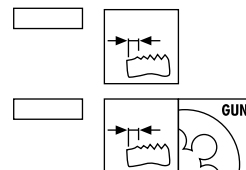
HERRAMIENTA / OUTIL / TOOL

Descripción / Description: Tolerancia / Tolérance / Tolerance:

Cantidad / Quantité / Quantity: Número ranuras / Rainures / Grooves:



Entrada / Entrée / Entry



Material / Matière / Material: ☐ HSS ☐ HSSE ☐ HM ☐ HSS-HM

Superficie / Surface: ☐ Brillante ☐ Recubrimiento
Brillant Revêtement
Brilliant Coating

COMENTARIOS / COMMENTAIRES/ COMMENTS:

TABLA DE APLICACIONES

GUIDE D'APPLICATION / APPLICATION GUIDE

ENTRADA RECTA / ENTRÉE DROITE / STRAIGHT FRUTE

																				
Prof	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd	<1,5xd
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Ejec.			LH	LH												LH			LH	
Tol.	6H	6H	6H	6H	6H	6H	6H	6H	6HX	6HX	6HX	6HX	2B	2B	2B	2B	2B	2B	2B	2B
Mat.	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE-PM	HSSE-PM	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
Rec									NIT	NIT	TICN	TICN								
Rosca	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	UNC	UNC	UNC	UNC	UNF	UNF	UNF	UN
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1.4	10-15	10-15	10-15	10-15	10-15	10-15							10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15
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4.2																				
4.3																				
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5.2																				
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7.4																				
8.1																				
8.2																				

Optima / Optimun Alternativo / Alternative

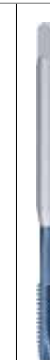
GUIDE D'APPLICATION / APPLICATION GUIDE

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TABLA DE APLICACIONES

GUIDE D'APPLICATION / APPLICATION GUIDE

ENTRADA CORREGIDA / ENTRÉE CORRIGÉE / SPIRAL POINT

																			
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Ejec.	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN
Tol.	6H	6H	6H	6H+01	6H+0,1	6G	6G	6H	6H	6H	6H	6H	6H	6H	6HX	6HX	6H	6H	6H
Mat.	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE	HSSE	HSSE
Rec								VAP	VAP	TIN	TIN	TICN	TICN	TICN	TICN	TICN	VAP	VAP	TIN
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Mat.	Vc (m/min)																		
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5.2																			
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7.3																			
7.4																			
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Optima / Optimun



Alternativo / Alternative

GUIDE D'APPLICATION / APPLICATION GUIDE

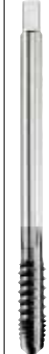
																					
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B(3,5-5)	B(3,5-5)-AZ	B(3,5-5)-AZ	B(3,5-5)-AZ	B(3,5-5)-AZ	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)	B(3,5-5)
GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN	GUN
6H	6H	6H	6H	6H	6HX	6HX	6HX	6HX	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B			
HSSE	HSSE	HSSE	HSSE	HSSE	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
TIN			CrN	CrN	HL	HL	HL	HL			VAP	VAP	TIN	TIN	VAP	VAP					
M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	UNC	UNC	UNC	UNC	UNC	UNC	UNC	UNC	UNF	UNF	BSW	BSW	BSP
2220	2133	2132	2184	2183	2254	2255	2258	2259	2150	2149	2262	2263	2234	2235	2238	2239	2156	2155	2138	2137	2145
																					
Vc (m/min)																					
20-30					20-40	20-40	20-50	20-50	15-25	15-25	15-25	15-25	20-30	20-30	15-25	15-25	15-25	15-25	15-25	15-25	15-25
15-25					20-40	20-40	20-50	20-50	10-20	10-20	10-20	10-20	15-25	15-25	10-20	10-20	10-20	10-20	10-20	10-20	10-20
15-25					15-40	15-40	15-40	15-40	12-18	12-18	12-18	12-18	15-25	15-25	12-18	12-18	12-18	12-18	12-18	12-18	12-18
					15-30	15-30	15-30	15-30	10-15	10-15	10-15	10-15	12-18	12-18			10-15	10-15	10-15	10-15	10-15
					10-20	10-20	10-20	10-20													
					5-10	5-10															
10-15					5-15	5-15	5-15	5-15	7-10	7-10	7-10	7-10	9-12	9-12	7-10	7-10	7-10	7-10	7-10	7-10	7-10
10-15					5-15	5-15	5-15	5-15	5-8	5-8	5-8	5-8	6-10	6-10	5-8	5-8	5-8	5-8	5-8	5-8	5-8
10-15					5-10	5-10	5-10	5-10							5-8	5-8					
6-10					5-10	5-10															
					15-25	15-25															
					10-20	10-20															
					15-25	15-25	15-25	15-25	10-15	10-15	10-15	10-15	15-20	15-20			10-15	10-15	10-15	10-15	10-15
					10-20	10-20	10-20	10-20													
20-30					5-15	5-15									10-15	10-15					
	6-8	6-8	8-12	8-12	10-30	10-30	20-30	20-30							6-8	6-8					
					10-30	10-30															
					10-30	10-30	20-30	20-30	15-20	15-20	15-20	15-20	20-25	20-25			15-20	15-20	15-20	15-20	15-20
					10-30	10-30															
					10-30	10-30	20-30	20-30	10-15	10-15	10-15	10-15	15-20	15-20			10-15	10-15	10-15	10-15	10-15
	10-20	10-20	12-18	12-18	10-30	10-30															
	10-15	10-15	12-18	12-18	10-30	10-30	20-30	20-30	10-15	10-15	10-15	10-15	12-18	12-18			10-15	10-15	10-15	10-15	10-15
					10-30	10-30															
	10-20	10-20	12-18	12-18	10-30	10-30															
	10-15	10-15	12-18	12-18					10-15	10-15	10-15	10-15	12-18	12-18			10-15	10-15	10-15	10-15	10-15

TABLA DE APLICACIONES

GUIDE D'APPLICATION / APPLICATION GUIDE

FORMA HELICOIDAL / FORME HELICOIDAL / SPIRAL FLUTED

																					
Prof	3xd	3xd	3xd	3xd	3xd	3xd	3xd	3xd	3xd	3xd	3xd	3xd	3xd	3xd	3xd	3xd	2xd	2xd	3xd	3xd	3xd
Form.	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)	C(2-3)	C(2-3)	C(2-3)	C(2-3)	C(2-3)
Ejec.	R35°	R35°	R35°	R35°	R35°	R35°	R35°	R15°	R15°	R35°	R35°	R35°	R35°	R35°	R35°	R15°	R15°	R35°	R35°	R35°	R35°
Tol.	6H	6H	6H	6H+01	6H+0,1	6G	6G	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H	6H
Mat.	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE	HSSE	HSSE	HSSE
Rec										VAP	VAP	TIN	TIN	TICN	TICN	TICN	TICN	VAP	VAP	TIN	TIN
Rosca	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF
Ref.	2106	2105	2112	2166	2165	2170	2208	2108	2107	2252	2253	2118	2117	2124	2123	2178	2177	2120	2119	2221	2221
MF										MF	MF	MF	MF	MF	MF	MF	MF	MF	MF	MF	MF
Mat.	Vc (m/min)																				
1.1	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25	20-30	20-30					15-25	15-25	20-30	20-30
1.2	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	15-25	15-25					10-20	10-20	15-25	15-25
1.3	12-18	12-18	12-18	12-18	12-18	12-18	12-18	12-18	12-18	12-18	12-18	15-25	15-25					12-18	12-18	15-25	15-25
1.4	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	12-18	12-18	10-15	10-15						
1.5														6-10	6-10	6-10	6-10				
1.6														4-6	4-6	4-6	4-6				
1.7																					
1.8																					
2.1	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	9-12	9-12					7-10	7-10	10-15	10-15
2.2	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8	6-10	6-10					5-8	5-8	10-15	10-15
2.3																		5-8	5-8	10-15	10-15
2.4														6-12	6-12					6-10	6-10
3.1																					
3.2																					
3.3	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15			15-20	15-20								
3.4														10-20	10-20	10-20	10-20				
4.1																		10-15	10-15	20-30	20-30
4.2														6-8	6-8	6-8	6-8				
4.3														4-6	4-6	4-6	4-6				
5.1																					
5.2																					
5.3																					
6.1																		6-8	6-8		
6.2																					
6.3	15-20	15-20	15-20	15-20	15-20	15-20	15-20	15-20	15-20			20-25	20-25								
6.4																					
6.5	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15			15-20	15-20								
7.1																					
7.2	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15			12-18	12-18								
7.3																					
7.4																					
8.1	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15			12-18	12-18								
8.2														10-15	10-15	10-15	10-15				



Optima / Optimun



Alternativo / Alternative

GUIDE D'APPLICATION / APPLICATION GUIDE

																							
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)	C(2-3)	C(2-3)	C(2-3)	C(2-3)	C(2-3)	C(2-3)	C(2-3)	C(2-3)
R35°	R45°	R45°	R45°	R45°	R45°	R45°	R45°	R45°	R35°	R35°	R35°	R35°	R35°	R35°	R35°	R35°	R35°	R35°	R35°	R35°	R35°	R35°	R35°
6H	6H	6H	6H	6H	6HX	6HX	6HX	6HX	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B				
HSSE	HSSE	HSSE	HSSE	HSSE	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
TIN			CrN	CrN	HL	HL	HL	HL			VAP	VAP	TIN	TIN	VAP	VAP							
M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	M-MF	UNC	UNC	UNC	UNC	UNC	UNC	UNC	UNC	UNF	UNF	BSW	BSW	BSP		
2222	2182	2181	2186	2185	2256	2257	2260	2261	2152	2151	2264	2265	2236	2237	2240	2241	2158	2157	2140	2139	2146		
																							
Vc (m/min)																							
20-30					20-40	20-40	20-50	20-50	15-25	15-25	15-25	15-25	20-30	20-30	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25
15-25					20-40	20-40	20-50	20-50	10-20	10-20	10-20	10-20	15-25	15-25	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20
15-25					15-40	15-40	15-40	15-40	12-18	12-18	12-18	12-18	15-25	15-25	12-18	12-18	12-18	12-18	12-18	12-18	12-18	12-18	12-18
					15-30	15-30	15-30	15-30	10-15	10-15	10-15	10-15	12-18	12-18			10-15	10-15	10-15	10-15	10-15	10-15	
					10-20	10-20	10-20	10-20															
					5-10	5-10																	
10-15					5-15	5-15	5-15	5-15	7-10	7-10	7-10	7-10	9-12	9-12	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10
10-15					5-15	5-15	5-15	5-15	5-8	5-8	5-8	5-8	6-10	6-10	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8
10-15					5-10	5-10	5-10	5-10							5-8	5-8							
6-10					5-10	5-10																	
					15-25	15-25																	
					10-20	10-20																	
					15-25	15-25	15-25	15-25	10-15	10-15	10-15	10-15	15-20	15-20			10-15	10-15	10-15	10-15	10-15	10-15	
					10-20	10-20	10-20	10-20															
20-30					5-15	5-15									10-15	10-15							
																				</			

TABLA DE APLICACIONES

GUIDE D'APPLICATION / APPLICATION GUIDE

LAMINACIÓN / Á REFOULER / FORMING TAPS

										
Prof.	1,5xd	1,5xd	3xd	3xd	1,5xd	1,5xd	3xd	3xd	1,5xd	1,5xd
Form.	C(2-3)	C(2-3)	C(2-3)	C(2-3)	C(2-3)	C(2-3)	C(2-3)	C(2-3)	(16-18)	(16-18)
Ejec.	A>12%	A>12%	A>12%	A>12%	A>12%	A>12%	A>12%	A>12%		
Tol.	6HX	6HX	6HX	6HX	6GX	6GX	6GX	6GX	6H	6H
Mat.	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE	HSSE
Rec	TIN	TIN	TIN	TIN	TIN	TIN	TIN	TIN		NIT
Rosca	M	M	M	M	M	M	M	M	M	M
Ref.	2188	2187	2214	2213	2216	2215	2218	2217	2199	2134
MF	MF	MF	MF	MF	MF	MF	MF	MF		
Mat.	Vc (m/min)									
1.1	25-45	25-45	25-45	25-45	25-45	25-45	25-45	25-45		
1.2	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	10-20	10-20
1.3	15-35	15-35	15-35	15-35	15-35	15-35	15-35	15-35	12-18	12-18
1.4	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25	10-15	10-15
1.5										
1.6										
1.7										
1.8										
2.1	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25		
2.2	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20		
2.3	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20		
2.4										
3.1										
3.2										
3.3										
3.4										
4.1	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20		
4.2										
4.3										
5.1										
5.2										
5.3										
6.1	15-30	15-30	15-30	15-30	15-30	15-30	15-30	15-30		
6.2										
6.3	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30		
6.4										
6.5	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25		
7.1	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40		
7.2	15-30	15-30	15-30	15-30	15-30	15-30	15-30	15-30		
7.3	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20		
7.4	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40		
8.1										
8.2										



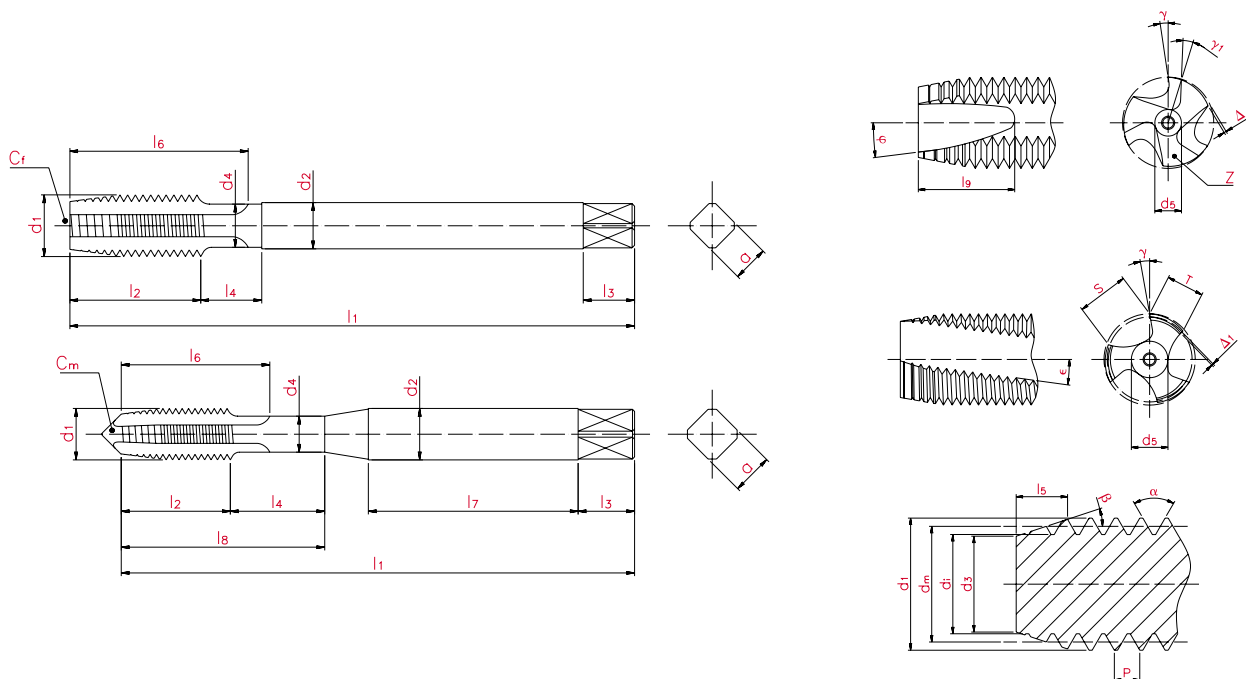
Optima / Optimun



Alternativo / Alternative

TERMINOLOGÍA

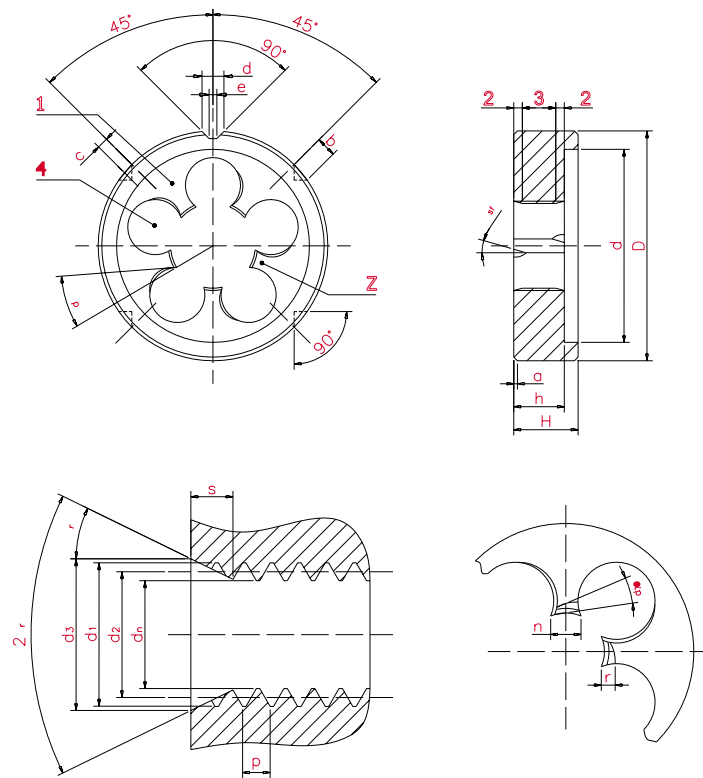
TERMINOLOGIE / TERMINOLOGY



l1	Longitud total / Longueur totale / Total length
l2	Longitud de rosca / Longueur de filetage / Thread length
l7	Longitud de mango / Longueur de queue / Shank length
l3	Longitud de cuadro / Longueur du carré / Square length
l4	Longitud de sangrado / Longueur d'indentation / Neck length
l5	Longitud de entrada / Longueur d'entrée / Chamfer length
l6	Longitud de ranura / Longueur de rainure / Flute Length
l8	Longitud útil de corte / Longueur utile de coupe / Useful length of cut
l9	Longitud de la entrada en hélice / Longueur de l'entrée en hélice / Spiral point length
d1	Diámetro exterior / Diamètre extérieur / External diameter
d2	Diámetro de mango / Diamètre de queue / Shank diameter
d3	Diámetro de entrada / Diamètre d'entrée / Chamfer diameter
d4	Diámetro de sangrado / Diamètre d'indentation / Neck diameter
d5	Diámetro del alma / Diamètre de l'âme / Core diameter
dm	Diámetro medio / Diamètre moyen / Pitch diameter
di	Diámetro interno / Diamètre interne / Internal diameter
α	Cuadrado / Carré / Square
Cm	Punto macho / Pointe mâle / Male point
Cf	Punto hembra / Pointe femelle / Female point
P	Paso de la rosca / Pas de filetage / Pitch of thread
S	Ancho de la ranura / Largeur de la rainure / Flute width
T	Ancho del diente / Largeur de la dent / Width of land
Z	Número de ranuras / Nombre de rainures / Number of flutes
α	Ángulo de flancos / Angle de flancs / Angle of thread
β	Ángulo de la entrada / Angle de l'entrée / Chamfer angle
γ	Ángulo de corte / Angle de coupe / Rake angle
γ1	Ángulo de corte de la entrada corregida / Angle de coupe de l'entrée corrigée / Spiral point rake angle
φ	Ángulo de la entrada corregida / Angle de l'entrée corrigée / Spiral point angle
ε	Ángulo de la ranura / Angle de la rainure / Flute angle
Δ	Ángulo de destalonado de la entrada / Angle de détalonnage de l'entrée / Chamfer relief angle
Δ1	Ángulo de destalonado de flancos / Angle de détalonnage des flancs / Flank relief angle

TERMINOLOGÍA

TERMINOLOGIE / TERMINOLOGY



1	Cuerpo del cojinete / Corps de la filière / Die body
2	Parte cortante - Entrada cónica / Partie coupante - Entrée conique / Cutting part - Conical entry
3	Hilos enteros / Fils entiers / Entire threads
4	Alojamiento para viruta / Logement pour copeau / Void for shavings
d1	Diámetro nominal de rosca / Diamètre nominal de filetage / Nominal diameter of thread
d2	Diámetro de flancos / Diamètre de flancs / Flank Diameter
dn	Diámetro de núcleo / Diamètre du noyau / Nucleus diameter
d3	Diámetro de la entrada cónica / Diamètre de l'entrée conique / Diameter of conical chamfer
P	Paso de la rosca / Pas de filetage / Thread pitch
D	Diámetro exterior del cojinete / Diamètre extérieur de la filière / Exterior diameter of die
d	Diámetro de la parte rebajada / Diamètre de la partie chanfreinée / Diameter of the reduced part
H	Diámetro de sangrado / Diamètre d'indentation / Bled diameter
h	Ancho del cojinete / Largeur de la filière / Die width
Z	Ancho útil del cojinete / Largeur utile de la filière / Useful width of the die
n	Número de dientes / Nombre de dents / Number of teeth
r	Ancho del diente / Largeur de la dent / Tooth width
s	Destalonado de la entrada cónica / Détalonnage de l'entrée conique / Conical chamfer relief
a	Longitud de la entrada cónica / Longueur de l'entrée conique / Conical chamfer length
b	Chafilán / Chanfrein / Bevel
c	Diámetro del agujero de fijación / Diamètre du trou de fixation / Mounting hole diameter
d	Desplazamiento del agujero de fijación / Déplacement du trou de fixation / Mounting hole displacement
e	Ancho de preranura / Largeur de pré-rainure / Pre-groove width
γp	Ángulo de la ranura / Angle de la rainure / Groove angle
χr	Ángulo de desprendimiento (de corte) / Angle de dégagement (de coupe) / Rake angle (of cut)
2χr	Ángulo de la entrada cónica / Angle de l'entrée conique / Conical chamfer angle
αp	Ángulo de destalonado de la entrada cónica / Angle de détalonnage de l'entrée conique / Conical chamfer relief angle
γsf	Ángulo de la entrada en hélice (rompevirutas) / Longueur de l'entrée en hélice (brise-copeaux) / Blade chamfer angle (chip cap)

TABLAS DE ROSCAS Y PASOS

GRILLES DES FILETAGES ET DES PAS / TABLE OF THREADS AND PITCHES

➤ Roscas más usuales en pulgadas.

Filetages les plus courants en pouces.

Most common threads in inches.

Ø	W 55°	BF 55°	GAS 55°	BSB BRASS 55°	UNC 60°	UNF 60°	UNEF NEF 60°	NPS NPT API 60°	UN 60°					UNS 60°				
Nº 0	-	-	-	-	-	80	-	-	-	-	-	-	-	-	-	-	-	-
Nº 1	-	-	-	-	64	72	-	-	-	-	-	-	-	-	-	-	-	-
Nº 2	-	-	-	-	56	64	-	-	-	-	-	-	-	-	-	-	-	-
Nº 3	-	-	-	-	48	56	-	-	-	-	-	-	-	-	-	-	-	-
Nº 4	-	-	-	-	40	48	-	-	-	-	-	-	-	-	-	-	-	-
Nº 5	-	-	-	-	40	44	-	-	-	-	-	-	-	-	-	-	-	-
Nº 6	-	-	-	-	32	40	-	-	-	-	-	-	-	-	-	-	-	-
Nº 8	-	-	-	-	32	36	-	-	-	-	-	-	-	-	-	-	-	-
Nº 10	-	-	-	-	24	32	-	-	-	-	-	-	-	28	36	40	48	56
Nº 12	-	-	-	-	24	28	32	-	-	-	-	-	-	36	40	48	56	-
1/16	60	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-
3/32	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/8	40	-	28	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-
5/32	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/16	24	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/32	24	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/4	20	26	19	26	20	28	32	18	-	-	-	-	-	24	27	26	40	48
9/32	20	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/16	18	22	-	26	18	24	32	-	20	28	-	-	-	27	36	40	48	-
3/8	16	20	19	26	16	24	32	18	20	28	-	-	-	18	27	36	40	-
7/16	14	18	-	26	14	20	28	-	16	32	-	-	-	18	24	27	-	-
1/2	12	16	14	26	13	20	28	14	16	32	-	-	-	12	14	18	24	27
9/16	12	16	-	26	12	18	24	-	16	20	28	32	-	14	27	-	-	-
5/8	11	14	14	26	11	18	24	14	12	16	20	28	32	14	27	-	-	-
11/16	11	14	-	-	-	-	24	-	12	16	20	28	32	-	-	-	-	-
3/4	10	12	14	26	10	16	20	14	12	28	32	-	-	14	18	24	27	-
13/16	10	12	-	-	-	-	20	-	12	16	28	32	-	-	-	-	-	-
7/8	9	11	14	26	9	14	20	-	12	16	28	32	-	10	18	24	27	-
15/16	-	-	-	-	-	-	20	-	16	28	32	-	-	-	-	-	-	-
1"	8	10	11	26	8	12	20	11,5	16	28	16	-	28	10	14	18	24	27
1" 1/16	-	-	-	-	-	-	18	-	8	16	20	28	-	-	-	-	-	-
1" 1/8	7	9	11	26	7	12	18	-	8	16	20	28	-	10	14	24	-	-
1" 3/16	-	-	-	-	-	-	18	-	8	16	20	28	-	-	-	-	-	-
1" 1/4	7	9	11	26	7	12	18	11,5	8	16	20	28	-	10	14	24	-	-
1" 5/16	-	-	-	-	-	-	18	-	8	16	20	28	-	-	-	-	-	-
1" 3/8	6	8	11	26	6	12	18	-	6	8	12	16	20	10	14	24	-	-
1" 7/16	-	-	-	-	-	-	18	-	8	16	20	28	-	-	-	-	-	-
1" 1/2	6	8	11	26	6	12	18	11,5	6	8	16	20	-	10	14	24	-	-
1" 9/16	-	-	-	-	-	-	18	-	6	8	12	16	20	-	-	-	-	-
1" 5/8	5	8	11	26	-	-	18	-	6	8	12	16	20	10	14	24	-	-
1" 11/16	-	-	-	-	-	-	18	-	6	8	12	16	20	-	-	-	-	-
1" 3/4	5	7	11	26	5	-	-	-	6	8	12	16	20	10	14	24	-	-
1" 13/16	-	-	-	-	-	-	-	-	6	8	12	16	20	-	-	-	-	-
1" 7/8	4,5	-	-	26	-	-	-	-	6	8	12	16	20	10	14	24	-	-
1" 15/16	-	-	-	-	-	-	-	-	6	8	12	16	20	-	-	-	-	-
2"	4,5	7	11	26	4,5	-	-	11,5	6	8	12	16	20	10	14	24	-	-

TABLAS DE ROSCAS Y PASOS

GRILLES DES FILETAGES ET DES PAS / TABLE OF THREADS AND PITCHES

- **Equivalencias en mm de los diámetros de las siguientes roscas.**
 Équivalences en mm des diamètres des filetages suivants.
 Equivalents in mm of the diameters of the following threads.

BSW/BSF	UNC/UNF	BSP (GAS)	NSP/NPT	PG
3/32 = 2,381 mm	5/8 = 15,875 mm	G1/8 = 9,728 mm	1/8 = 10,287 mm	PG7 = 12,50 mm
1/8 = 3,175 mm	3/4 = 19,050 mm	G1/4 = 13,157 mm	1/4 = 13,716 mm	PG9 = 15,20 mm
5/32 = 3,969 mm	7/8 = 22,225 mm	G3/8 = 16,662 mm	3/8 = 17,145 mm	PG11 = 18,60 mm
3/16 = 4,762 mm	1" = 25,400 mm	G1/2 = 20,955 mm	1/2 = 21,336 mm	PG13,5 = 20,40 mm
7/32 = 5,556 mm	1" 1/8 = 28,575 mm	G5/8 = 22,911 mm	3/4 = 26,670 mm	PG16 = 22,50 mm
1/4 = 6,350 mm	1" 1/4 = 31,750 mm	G3/4 = 26,441 mm	1" = 33,401 mm	PG21 = 28,30 mm
9/32 = 7,144 mm	1" 3/8 = 34,925 mm	G7/8 = 30,201 mm	1" 1/4 = 42,164 mm	PG29 = 37,00 mm
5/16 = 7,938 mm	1" 1/2 = 38,100 mm	G1" = 33,249 mm	1" 1/2 = 48,260 mm	PG36 = 47,00 mm
3/8 = 9,525 mm	1" 5/8 = 41,275 mm	G1" 1/8 = 37,897 mm	2" = 60,325 mm	PG42 = 54,00 mm
7/16 = 11,112 mm	1" 3/4 = 44,450 mm	G1" 1/4 = 41,910 mm	2" 1/2 = 73,025 mm	PG48 = 59,30 mm
1/2 = 12,700 mm	1" 7/8 = 47,625 mm		3" = 88,900 mm	
9/16 = 14,288 mm	2" = 50,800 mm			

- **Equivalencia del paso en hilos por pulgada a mm.**
 Équivalence du pas en fils par pouce en mm.
 Equivalents of pitch in threads per inch to mm.

PASO h/1"	EQUIV. mm	PASO h/1"	EQUIV. mm	PASO h/1"	EQUIV. mm	PASO h/1"	EQUIV. mm	PASO h/1"	EQUIV. mm
PAS h/1"	ÉQUIV. mm	PAS h/1"	ÉQUIV. mm	PAS h/1"	ÉQUIV. mm	PAS h/1"	ÉQUIV. mm	PAS h/1"	ÉQUIV. mm
PITCH h/1"	EQUIV. mm	PITCH h/1"	EQUIV. mm	PITCH h/1"	EQUIV. mm	PITCH h/1"	EQUIV. mm	PITCH h/1"	EQUIV. mm
80	0,317	44	0,577	26	0,976	16	1,587	9	2,822
72	0,352	40	0,636	24	1,058	14	1,814	8	3,174
64	0,396	36	0,705	22	1,154	13	1,953	7	3,628
60	0,423	32	0,793	20	1,270	12	2,116	6	4,233
56	0,453	28	0,907	19	1,336	11,5	2,208	5	5,080
48	0,523	27	0,940	18	1,411	11	2,309	4,5	5,644

- **Equivalencia de las roscas PG a MF.**
 Équivalence du pas PG à MF.
 Equivalents of threads PG to MF.

PG	MF	PG	MF
7 x 20 h.	12 x 1,50	21 x 16 h.	32 x 1,50
9 x 18 h.	16 x 1,50	29 x 16 h.	40 x 1,50
11 x 18 h.	20 x 1,50	36 x 16 h.	50 x 1,50
13,5 x 18 h.	20 x 1,50	48 x 16 h.	63 x 1,50
16 x 18 h.	25 x 1,50		

DIÁMETROS PREVIOS AL ROSCADO

DIAMÈTRES PRÉALABLES AU FILETAGE / DIAMETERS BEFORE THREAD

M		MF		MF		MF	
d1 x p (mm)		d1 x p (mm)		d1 x p (mm)		d1 x p (mm)	
Øa		Øa		Øa		Øa	
M 1 x 0,25	0,75	M 1 x 0,2	0,80	M 18 x 2	16,00	M 42 x 1,5	40,50
M 1,1 x 0,25	0,85	M 1,1 x 0,2	0,90	M 19 x 1	18,00	M 42 x 2	40,00
M 1,2 x 0,25	0,95	M 1,2 x 0,2	1,00	M 19 x 1,25	17,75	M 42 x 3	39,00
M 1,4 x 0,3	1,10	M 1,4 x 0,2	1,20	M 19 x 1,5	17,50	M 44 x 1,5	42,50
M 1,6 x 0,35	1,25	M 1,6 x 0,2	1,40	M 20 x 1	19,00	M 45 x 1,5	43,50
M 1,7 x 0,35	1,30	M 1,7 x 0,2	1,50	M 20 x 1,25	18,75	M 45 x 2	43,00
M 1,8 x 0,35	1,45	M 1,8 x 0,2	1,60	M 20 x 1,5	18,50	M 45 x 3	42,00
M 2 x 0,4	1,60	M 2 x 0,25	1,75	M 20 x 2	18,00	M 45 x 4	41,00
M 2,2 x 0,45	1,75	M 2,2 x 0,25	1,95	M 21 x 1	20,00	M 48 x 1,5	46,50
M 2,3 x 0,4	1,90	M 2,3 x 0,25	2,05	M 21 x 1,25	19,75	M 48 x 2	46,00
M 2,5 x 0,45	2,05	M 2,5 x 0,35	2,15	M 21 x 1,5	19,50	M 48 x 3	45,00
M 2,6 x 0,45	2,10	M 2,6 x 0,35	2,25	M 22 x 1	21,00	M 48 x 4	44,00
M 3 x 0,5	2,50	M 3 x 0,35	2,65	M 22 x 1,25	20,75	M 50 x 1,5	48,50
M 3,5 x 0,6	2,90	M 3,5 x 0,35	3,15	M 22 x 1,5	20,50	M 50 x 2	48,00
M 4 x 0,7	3,30	M 4 x 0,35	3,65	M 22 x 2	20,00	M 50 x 3	47,00
M 4,5 x 0,75	3,70	M 4 x 0,5	3,50	M 23 x 1	22,00	M 52 x 1,5	50,50
M 5 x 0,8	4,20	M 4,5 x 0,5	4,00	M 23 x 1,5	21,50	M 52 x 2	50,00
M 6 x 1	5,00	M 5 x 0,5	4,50	M 24 x 1	23,00	M 52 x 3	49,00
M 7 x 1	6,00	M 5,5 x 0,5	5,00	M 24 x 1,25	22,75	M 52 x 4	48,00
M 8 x 1,25	6,80	M 6 x 0,5	5,50	M 24 x 1,5	22,50	M 56 x 1,5	54,50
M 9 x 1,25	7,80	M 6 x 0,75	5,20	M 24 x 2	22,00	M 56 x 2	54,00
M 10 x 1,5	8,50	M 7 x 0,5	6,50	M 25 x 1	24,00	M 56 x 3	53,00
M 11 x 1,5	9,50	M 7 x 0,75	6,20	M 25 x 1,25	23,75	M 56 x 4	52,00
M 12 x 1,75	10,20	M 8 x 0,5	7,50	M 25 x 1,5	23,50	M 60 x 1,5	58,50
M 14 x 2	12,00	M 8 x 0,75	7,20	M 25 x 2	23,00	M 60 x 2	58,00
M 16 x 2	14,00	M 8 x 1	7,00	M 26 x 1	25,00	M 60 x 3	57,00
M 18 x 2,5	15,50	M 9 x 0,75	8,20	M 26 x 1,5	24,50	M 60 x 4	56,00
M 20 x 2,5	17,50	M 9 x 1	8,00	M 26 x 2	24,00	M 63 x 1,5	61,50
M 22 x 2,5	19,50	M 10 x 0,5	9,50	M 27 x 1	26,00		
M 24 x 3	21,00	M 10 x 0,75	9,20	M 27 x 1,5	25,50		
M 27 x 3	24,00	M 10 x 1	9,00	M 27 x 2	25,00		
M 30 x 3,5	26,50	M 10 x 1,25	8,80	M 28 x 1	27,00		
M 33 x 3,5	29,50	M 11 x 0,75	10,20	M 28 x 1,5	26,50		
M 36 x 4	32,00	M 11 x 1	10,00	M 28 x 2	26,00		
M 39 x 4	35,00	M 11 x 1,25	9,75	M 30 x 1	29,00		
M 42 x 4,5	37,50	M 12 x 0,75	11,25	M 30 x 1,5	28,50		
M 45 x 4,5	40,50	M 12 x 1	11,00	M 30 x 2	28,00		
M 48 x 5	43,00	M 12 x 1,25	10,80	M 30 x 3	27,00		
M 52 x 5	47,00	M 12 x 1,5	10,50	M 32 x 1	31,00		
M 56 x 5,5	50,50	M 13 x 0,75	12,25	M 32 x 1,5	30,50		
M 60 x 5,5	54,50	M 13 x 1	12,00	M 32 x 2	30,00		
M 64 x 6	58,00	M 13 x 1,25	11,75	M 33 x 1	32,00		
M 68 x 6	62,00	M 13 x 1,5	11,50	M 33 x 1,5	31,50		
		M 14 x 0,75	13,25	M 33 x 2	31,00		
		M 14 x 1	13,00	M 33 x 3	30,00		
		M 14 x 1,25	12,80	M 34 x 1,5	32,50		
		M 14 x 1,5	12,50	M 34 x 2	32,00		
		M 15 x 1	14,00	M 35 x 1,5	33,50		
		M 15 x 1,25	13,75	M 36 x 1,5	34,50		
		M 15 x 1,5	13,50	M 36 x 2	34,00		
		M 16 x 1	15,00	M 36 x 3	33,00		
		M 16 x 1,25	14,75	M 38 x 1,5	36,50		
		M 16 x 1,5	14,50	M 38 x 2	36,00		
		M 17 x 1	16,00	M 39 x 1,5	37,50		
		M 17 x 1,25	15,75	M 39 x 2	37,00		
		M 17 x 1,5	15,50	M 39 x 3	36,00		
		M 18 x 1	17,00	M 40 x 1,5	38,50		
		M 18 x 1,25	16,75	M 40 x 2	38,00		
		M 18 x 1,5	16,50	M 40 x 3	37,00		

BSW		Øa	
d1 (") - p (tpi)		Øa	
W 1/16 - 60	1,15		
W 3/32 - 48	1,80		
W 1/8 - 40	2,50		
W 5/32 - 32	3,10		
W 3/16 - 24	3,60		
W 7/32 - 24	4,40		
W 1/4 - 20	5,10		
W 9/32 - 20	5,90		
W 5/16 - 18	6,50		
W 3/8 - 16	7,90		
W 7/16 - 14	9,30		
W 1/2 - 12	10,50		
W 9/16 - 12	12,00		
W 5/8 - 11	13,50		
W 11/16 - 11	15,00		
W 3/4 - 10	16,50		
W 13/16 - 10	18,00		
W 7/8 - 9	19,25		
W 1" - 8	22,00		
W 1"1/8 - 7	24,75		
W 1"1/4 - 7	27,75		
W 1"3/8 - 6	30,50		
W 1"1/2 - 6	33,50		
W 1"5/8 - 5	35,50		
W 1"3/4 - 5	39,00		
W 1"7/8 - 4,5	41,50		

M		Øa	
d1 x p (mm)		Øa	
M 3 x 0,6	2,40		
M 3,5 x 0,75	2,75		
M 4 x 0,75	3,25		
M 4 x 0,8	3,20		
M 5 x 0,9	4,10		
M 5 x 1	4,00		
M 5,5 x 0,9	4,60		
M 6 x 1,25	4,75		
M 8 x 1,5	6,50		
M 13 x 1,75	11,25		
M 15 x 2	13,00		

DIÁMETROS PREVIOS AL ROSCADO

DIAMÈTRES PRÉALABLES AU FILETAGE / DIAMETERS BEFORE THREAD

BSW				
d1 (") - p (tpi)				Ø a
W	2"	-	4,5	44,50
W	2" 1/4	-	4	50,00
W	2" 1/2	-	4	56,50
W	2" 3/4	-	3,5	62,00
W	3"	-	3,5	68,50

UNC				
d1 (") - p (tpi)				Ø a
UNC	1" 3/4	-	5	39,50
UNC	2"	-	4,5	45,00
UNC	2" 1/4	-	4,5	51,50
UNC	2" 1/2	-	4	57,25
UNC	2" 3/4	-	4	63,50
UNC	3"	-	4	70,00

UNEF				
d1 (") - p (tpi)				Ø a
UNEF	1" 7/16	-	18	35,10
UNEF	1" 1/2	-	18	36,70
UNEF	1" 9/16	-	18	38,30
UNEF	1" 5/8	-	18	39,90

BSF				
d1 (") - p (tpi)				Ø a
BSF	3/16	-	32	4,00
BSF	7/32	-	28	4,50
BSF	1/4	-	26	5,20
BSF	9/32	-	26	6,00
BSF	5/16	-	22	6,60
BSF	3/8	-	20	8,10
BSF	7/16	-	18	9,50
BSF	1/2	-	16	11,00
BSF	9/16	-	16	12,50
BSF	5/8	-	14	14,00
BSF	11/16	-	14	15,60
BSF	3/4	-	12	16,50
BSF	13/16	-	12	18,25
BSF	7/8	-	11	19,50
BSF	1"	-	10	22,50
BSF	1" 1/8	-	9	25,50
BSF	1" 1/4	-	9	28,75
BSF	1" 3/8	-	8	31,50
BSF	1" 1/2	-	8	34,50
BSF	1" 5/8	-	8	37,50
BSF	1" 3/4	-	7	40,50
BSF	2"	-	7	46,50

UNF				
d1 (") - p (tpi)				Ø a
UNF	N.0	-	80	1,30
UNF	N.1	-	72	1,60
UNF	N.2	-	64	1,90
UNF	N.3	-	56	2,10
UNF	N.4	-	48	2,40
UNF	N.5	-	44	2,70
UNF	N.6	-	40	3,00
UNF	N.8	-	36	3,50
UNF	N.10	-	32	4,10
UNF	N.12	-	28	4,70
UNF	1/4	-	28	5,50
UNF	5/16	-	24	6,90
UNF	3/8	-	24	8,50
UNF	7/16	-	20	9,90
UNF	1/2	-	20	11,50
UNF	9/16	-	18	12,90
UNF	5/8	-	18	14,50
UNF	3/4	-	16	17,50
UNF	7/8	-	14	20,40
UNF	1"	-	12	23,25
UNF	1" 1/8	-	12	26,50
UNF	1" 1/4	-	12	29,50
UNF	1" 3/8	-	12	32,75
UNF	1" 1/2	-	12	36,00

G (BSP)			
d1 (") - p (tpi)			ø a
G1/16	-	28	6,80
G1/8	-	28	8,80
G1/4	-	19	11,80
G3/8	-	19	15,25
G1/2	-	14	19,00
G5/8	-	14	21,00
G3/4	-	14	24,50
G7/8	-	14	28,25
G1"	-	11	30,75
G1" 1/8	-	11	35,30
G1" 1/4	-	11	39,25
G1" 3/8	-	11	41,90
G1" 1/2	-	11	45,25
G1" 3/4	-	11	51,30
G2"	-	11	57,00
G2" 1/4	-	11	63,10
G2" 1/2	-	11	72,60
G2" 3/4	-	11	79,10
G3"	-	11	85,50
G3" 1/4	-	11	91,50
G3" 1/2	-	11	97,70
G3" 3/4	-	11	104,00
G4"	-	11	110,50

UNC				
d1 (") - p (tpi)				Ø a
UNC	N.1	-	64	1,50
UNC	N.2	-	56	1,80
UNC	N.3	-	48	2,10
UNC	N.4	-	40	2,30
UNC	N.5	-	40	2,60
UNC	N.6	-	32	2,85
UNC	N.8	-	32	3,50
UNC	N.10	-	24	3,90
UNC	N.12	-	24	4,50
UNC	1/4	-	20	5,20
UNC	5/16	-	18	6,60
UNC	3/8	-	16	8,00
UNC	7/16	-	14	9,40
UNC	1/2	-	13	10,75
UNC	9/16	-	12	12,20
UNC	5/8	-	11	13,50
UNC	3/4	-	10	16,50
UNC	7/8	-	9	19,50
UNC	1"	-	8	22,25
UNC	1" 1/8	-	7	25,00
UNC	1" 1/4	-	7	28,25
UNC	1" 3/8	-	6	30,75
UNC	1" 1/2	-	6	34,00

UNEF				
d1 (") - p (tpi)				Ø a
UNEF	N.12	-	32	4,70
UNEF	1/4	-	32	5,55
UNEF	5/16	-	32	7,15
UNEF	3/8	-	32	8,70
UNEF	7/16	-	28	10,20
UNEF	1/2	-	28	11,80
UNEF	9/16	-	24	13,20
UNEF	5/8	-	24	14,80
UNEF	11/16	-	24	16,40
UNEF	3/4	-	20	17,80
UNEF	13/16	-	20	19,40
UNEF	7/8	-	20	20,95
UNEF	15/16	-	20	22,50
UNEF	1"	-	20	24,10
UNEF	1" 1/16	-	18	25,60
UNEF	1" 1/8	-	18	27,15
UNEF	1" 3/16	-	18	28,75
UNEF	1" 1/4	-	18	30,35
UNEF	1" 5/16	-	18	31,90
UNEF	1" 3/8	-	18	33,60

BA				
d1 (") - p (tpi)				Ø a
BA 7	2,5	-	0,48	2,00
BA 8	2,2	-	0,43	1,80
BA 9	1,9	-	0,39	1,50
BA 10	1,7	-	0,35	1,30
BA 11	1,5	-	0,31	1,20
BA 12	1,3	-	0,28	1,00
BA 13	1,2	-	0,25	0,95
BA 14	1	-	0,23	0,75

PG				
d1 (") - p (tpi)				Ø a
Pg 7	12,5	-	20	11,40
Pg 9	15,2	-	18	14,00
Pg 11	18,6	-	18	17,25
Pg 13,5	20,4	-	18	19,00
Pg 16	22,5	-	18	21,25
Pg 21	28,3	-	16	26,75
Pg 29	37,0	-	16	35,50
Pg 36	47,0	-	16	45,50
Pg 42	54,0	-	16	52,50
Pg 48	59,3	-	16	58,00

DIÁMETROS PREVIOS AL ROSCADO

DIAMÈTRES PRÉALABLES AU FILETAGE / DIAMETERS BEFORE THREAD

BA			
dl (") - p (tpi)			Ø a
Rp1/16	-	28	6,60
Rp1/8	-	28	8,60
Rp1/4	-	19	11,50
Rp3/8	-	19	15,00
Rp1/2	-	14	18,50
Rp3/4	-	14	24,00
Rp1"	-	11	30,25
Rp1" 1/4	-	11	39,00
Rp1" 1/2	-	11	45,00
Rp2"	-	11	56,50
Rp2" 1/2	-	11	72,25
Rp3"	-	11	85,00

NPSM			
dl (") - p (tpi)			Ø a
NPSM 1/8	-	27	9,10
NPSM 1/4	-	18	12,00
NPSM 3/8	-	18	15,50
NPSM 1/2	-	14	19,00
NPSM 3/4	-	14	24,50
NPSM 1"	-	11,5	30,50
NPSM 1" 1/4	-	11,5	39,25
NPSM 1" 1/2	-	11,5	45,50
NPSM 2"	-	11,5	57,50
NPSM 2" 1/2	-	8	69,00
NPSM 3"	-	8	85,00

M (Laminación Laminage/Lamination)			
dl - p (mm)			Ø a ± 0,02
M 3	x	0,5	2,76
M 4	x	0,7	3,67
M 5	x	0,8	4,62
M 6	x	1	5,52
M 8	x	1,25	7,40
M 10	x	1,5	9,28
M 12	x	1,75	11,16
M 14	x	2	13,04
M 16	x	2	15,03

Rp			
dl (") - p (tpi)			Ø a
BA 0	6	- 1	5,10
BA 1	5,3	- 0,9	4,50
BA 2	4,7	- 0,81	4,00
BA 3	4,1	- 0,73	3,40
BA 4	3,6	- 0,66	3,00
BA 5	3,2	- 0,59	2,60
BA 6	2,8	- 0,53	2,30

NPT							
d1 (") - p (tpi)				L min	Ø a	Ø b	Ø c
NPT	1/16	- 27	12,00	6,20	6,00	6,39	
NPT	1/8	- 27	12,00	8,50	8,30	8,74	
NPT	1/4	- 18	17,50	11,00	10,70	11,36	
NPT	3/8	- 18	17,60	14,50	14,20	14,80	
NPT	1/2	- 14	22,80	17,80	17,40	18,32	
NPT	3/4	- 14	23,00	23,00	22,50	23,67	
NPT	1"	- 11,5	27,40	29,00	28,50	29,69	
NPT	1" 1/4	- 11,5	28,00	37,50	37,00	38,45	
NPT	1" 1/2	- 11,5	28,40	44,00	43,50	44,52	
NPT	2"	- 11,5	28,00	56,00	55,50	56,56	
NPT	2" 1/2	- 8	40,80	66,50	66,00	67,62	
NPT	3"	- 8	43,00	82,50	82,00	83,53	




NPTF					
dl (") - p (tpi)		L min	Ø a	Ø b	Ø c
NPTF	1/16 - 27	12,00	6,20	6,00	6,41
NPTF	1/8 - 27	12,00	8,50	8,30	8,76
NPTF	1/4 - 18	17,50	11,00	10,70	11,40
NPTF	3/8 - 18	17,60	14,50	14,20	14,84
NPTF	1/2 - 14	22,80	17,80	17,40	18,33
NPTF	3/4 - 14	23,00	23,00	22,50	23,68
NPTF	1" - 11,5	27,40	29,00	28,50	29,72
NPTF	1" 1/4 - 11,5	28,00	37,50	37,00	38,48
NPTF	1" 1/2 - 11,5	28,40	44,00	43,50	44,55
NPTF	2" - 11,5	28,00	56,00	55,50	56,59
NPTF	2" 1/2 - 8	40,80	66,50	66,00	67,67
NPTF	3" - 8	43,00	82,50	82,00	83,58

RC					
dl (") - p (tpi)		L min	Ø a	Ø b	Ø c
Rc	1/16 - 28	10,10	6,30	6,00	6,50
Rc	1/8 - 28	10,10	8,30	8,00	8,50
Rc	1/4 - 19	15,00	11,00	10,70	11,35
Rc	3/8 - 19	15,40	14,50	14,15	14,85
Rc	1/2 - 14	20,50	18,10	17,60	18,50
Rc	3/4 - 14	21,80	23,50	23,00	24,00
Rc	1" - 11	26,00	29,60	29,00	30,20
Rc	1" 1/4 - 11	28,30	38,10	37,50	38,80
Rc	1" 1/2 - 11	28,30	44,00	43,35	44,70
Rc	2" - 11	32,70	55,60	54,90	56,50

EJES PREVIOS AL ROSCADO

AXES PRÉALABLES AU FILETAGE / SHAFTS BEFORE THREAD

M		MF		MF		MF	
d1 x p (mm)	Øa	d1 x p (mm)	Øa	d1 x p (mm)	Øa	d1 x p (mm)	Øa
M 1 x 0,25	0,97	M 2 x 0,25	1,97	M 21 x 1	20,88	M 48 x 1,5	47,85
M 1,1 x 0,25	1,07	M 2,2 x 0,25	2,17	M 21 x 1,25	20,87	M 48 x 2	47,82
M 1,2 x 0,25	1,17	M 2,3 x 0,25	2,27	M 21 x 1,5	20,85	M 48 x 3	47,76
M 1,4 x 0,3	1,36	M 2,5 x 0,35	2,44	M 22 x 1	21,88	M 48 x 4	47,70
M 1,6 x 0,35	1,54	M 2,6 x 0,35	2,54	M 22 x 1,25	21,87	M 50 x 1,5	49,85
M 1,7 x 0,35	1,64	M 3 x 0,35	2,94	M 22 x 1,5	21,85	M 50 x 2	49,82
M 1,8 x 0,35	1,74	M 3,5 x 0,35	3,44	M 22 x 2	21,82	M 50 x 3	49,76
M 2 x 0,4	1,93	M 4 x 0,35	3,94	M 23 x 1	22,88	M 52 x 1,5	51,85
M 2,2 x 0,45	2,13	M 4 x 0,5	3,93	M 23 x 1,5	22,85	M 52 x 2	51,82
M 2,3 x 0,4	2,23	M 4,5 x 0,5	4,42	M 24 x 1	23,88	M 52 x 3	51,76
M 2,5 x 0,45	2,43	M 5 x 0,5	4,93	M 24 x 1,25	23,87	M 52 x 4	51,70
M 2,6 x 0,45	2,53	M 5,5 x 0,5	5,42	M 24 x 1,5	23,85	M 56 x 1,5	55,85
M 3 x 0,5	2,92	M 6 x 0,5	5,93	M 24 x 2	23,82	M 56 x 2	55,82
M 3,5 x 0,6	3,41	M 6 x 0,75	5,90	M 25 x 1	24,88	M 56 x 3	55,76
M 4 x 0,7	3,91	M 7 x 0,5	6,92	M 25 x 1,25	24,87	M 56 x 4	55,70
M 4,5 x 0,75	4,41	M 7 x 0,75	6,90	M 25 x 1,5	24,85	M 60 x 1,5	59,75
M 5 x 0,8	4,90	M 8 x 0,5	7,93	M 25 x 2	24,82	M 60 x 2	59,82
M 6 x 1	5,88	M 8 x 0,75	7,90	M 26 x 1	25,88	M 60 x 3	59,76
M 7 x 1	6,88	M 8 x 1	7,88	M 26 x 1,5	25,85	M 60 x 4	59,70
M 8 x 1,25	7,87	M 9 x 0,75	8,90	M 26 x 2	25,82	M 63 x 1,5	62,85
M 9 x 1,25	8,87	M 9 x 1	8,88	M 27 x 1	26,88		
M 10 x 1,5	9,85	M 10 x 0,5	9,93	M 27 x 1,5	26,85		
M 11 x 1,5	10,85	M 10 x 0,75	9,90	M 27 x 2	26,82		
M 12 x 1,75	11,83	M 10 x 1	9,88	M 28 x 1	27,88		
M 14 x 2	13,82	M 10 x 1,25	9,86	M 28 x 1,5	27,85		
M 16 x 2	15,82	M 11 x 0,75	10,90	M 28 x 2	27,82		
M 18 x 2,5	17,79	M 11 x 1	10,88	M 30 x 1	29,88		
M 20 x 2,5	19,79	M 11 x 1,25	10,87	M 30 x 1,5	29,85		
M 22 x 2,5	21,79	M 12 x 0,75	11,90	M 30 x 2	29,82		
M 24 x 3	23,77	M 12 x 1	11,88	M 30 x 3	29,76		
M 27 x 3	26,77	M 12 x 1,25	11,86	M 32 x 1	31,88		
M 30 x 3,5	29,73	M 12 x 1,5	11,85	M 32 x 1,5	31,85		
M 33 x 3,5	32,73	M 13 x 0,75	12,90	M 32 x 2	31,82		
M 36 x 4	35,70	M 13 x 1	12,88	M 33 x 1	32,88		
M 39 x 4	38,70	M 13 x 1,25	12,87	M 33 x 1,5	32,85		
M 42 x 4,5	41,69	M 13 x 1,5	12,85	M 33 x 2	32,82		
M 45 x 4,5	44,69	M 14 x 0,75	13,90	M 33 x 3	32,76		
M 48 x 5	47,66	M 14 x 1	13,88	M 34 x 1,5	33,85		
M 52 x 5	51,66	M 14 x 1,25	13,86	M 34 x 2	33,82		
M 56 x 5,5	55,65	M 14 x 1,5	13,85	M 35 x 1,5	34,85		
M 60 x 5,5	59,65	M 15 x 1	14,88	M 36 x 1,5	35,85		
M 64 x 6	63,62	M 15 x 1,25	14,87	M 36 x 2	35,82		
M 68 x 6	67,62	M 15 x 1,5	14,85	M 36 x 3	35,76		
		M 16 x 1	15,88	M 38 x 1,5	37,85		
		M 16 x 1,25	15,87	M 38 x 2	37,82		
		M 16 x 1,5	15,85	M 39 x 1,5	38,85		
		M 17 x 1,25	16,87	M 39 x 2	38,82		
		M 17 x 1,5	16,85	M 39 x 3	38,76		
		M 18 x 1	17,88	M 40 x 1,5	39,85		
		M 18 x 1,25	17,85	M 40 x 2	39,82		
		M 18 x 1,5	17,85	M 40 x 3	39,76		
		M 18 x 2	17,82	M 42 x 1,5	41,85		
		M 19 x 1	18,88	M 42 x 2	41,82		
		M 19 x 1,25	18,87	M 42 x 3	41,76		
		M 19 x 1,5	18,85	M 44 x 1,5	43,75		
		M 20 x 1	19,88	M 45 x 1,5	44,85		
		M 20 x 1,25	19,87	M 45 x 2	44,82		
		M 20 x 1,5	19,85	M 45 x 3	44,76		
		M 20 x 2	19,82	M 45 x 4	44,70		

M		BSW	
d1 x p (mm)	Øa	d1 (") - p (tpi)	Øa
M 3 x 0,6	2,40	W 1/16 - 60	1,49
M 3,5 x 0,75	2,75	W 3/32 - 48	2,28
M 4 x 0,75	3,25	W 1/8 - 40	3,06
M 4 x 0,8	3,20	W 5/32 - 32	3,85
M 5 x 0,9	4,10	W 3/16 - 24	4,63
M 5 x 1	4,00	W 7/32 - 24	5,42
M 5,5 x 0,9	4,60	W 1/4 - 20	6,18
M 6 x 1,25	4,75	W 5/16 - 18	7,78
M 8 x 1,5	6,50	W 3/8 - 16	9,35
M 13 x 1,75	11,25	W 7/16 - 14	10,90
M 15 x 2	13,00	W 1/2 - 12	12,47
		W 9/16 - 12	13,92
		W 5/8 - 11	15,66
		W 11/16 - 11	17,20
		W 3/4 - 10	18,80
		W 7/8 - 9	21,92
		W 1" - 8	25,11
		W 1"1/8 - 7	28,28
		W 1"1/4 - 7	31,45
		W 1"3/8 - 6	34,57
		W 1"1/2 - 6	37,76
		W 1"5/8 - 5	40,91
		W 1"3/4 - 5	44,05
		W 1"7/8 - 4,5	47,27
		W 2" - 4,5	50,38
		W 2"1/4 - 4	56,90
		W 2"1/2 - 4	63,20
		W 2"3/4 - 3,5	69,60
		W 3" - 3,5	76,20

EJES PREVIOS AL ROSCADO

AXES PRÉALABLES AU FILETAGE / SHAFTS BEFORE THREAD



UNC	
d1 (") - p (tpi)	Øa
UNC N.1- 64	1,79
UNC N.2- 56	2,12
UNC N.3- 48	2,44
UNC N.4- 40	2,76
UNC N.5- 40	3,09
UNC N.6- 32	3,41
UNC N.8- 32	4,07
UNC N.10- 24	4,71
UNC N.12- 24	5,37
UNC 1/4- 20	6,22
UNC 5/16- 18	7,8
UNC 3/8- 16	9,37
UNC 7/16- 14	10,95
UNC 1/2- 13	12,52
UNC 9/16- 12	14,10
UNC 5/8- 11	15,68
UNC 3/4- 10	18,84
UNC 7/8- 9	22,00
UNC 1"- 8	25,16
UNC 1 1/8- 7	28,31
UNC 1 1/4- 7	31,49
UNC 1 3/8- 6	34,63
UNC 1 1/2- 6	37,81
UNC 1 3/4- 5	44,12
UNC 2"- 4,5	50,45
UNC 2 1/4- 4,5	56,80
UNC 2 1/2- 4	63,10
UNC 2 3/4- 4	69,45
UNC 3"- 4	75,80

UNF	
d1 (") - p (tpi)	Øa
UNF N.0- 80	1,47
UNF N.1- 72	1,79
UNF N.2- 64	2,12
UNF N.3- 56	2,44
UNF N.4- 48	2,77
UNF N.5- 44	3,10
UNF N.6- 40	3,42
UNF N.8- 36	4,08
UNF N.10- 32	4,73
UNF N.12- 28	5,38
UNF 1/4- 28	6,24
UNF 5/16- 24	7,82
UNF 3/8- 24	9,41
UNF 7/16- 20	10,98
UNF 1/2- 20	12,56
UNF 9/16- 18	14,14
UNF 5/8- 18	15,73
UNF 3/4- 16	18,89
UNF 7/8- 14	22,05
UNF 1"- 12	25,21
UNF 1 1/8- 12	28,38
UNF 1 1/4- 12	31,56
UNF 1 3/8- 12	34,73
UNF 1 1/2- 12	37,91

UNEF	
d1 (") - p (tpi)	Øa
UNEF N.12- 32	5,39
UNEF 1/4- 32	6,25
UNEF 5/16- 32	7,84
UNEF 3/8- 32	9,42
UNEF 7/16- 28	11,00
UNEF 1/2- 28	12,59
UNEF 9/16- 24	14,18
UNEF 5/8- 24	15,75
UNEF 3/4- 20	18,91
UNEF 7/8- 20	22,09
UNEF 1"- 20	25,26
UNEF 1 1/8- 18	28,40
UNEF 1 1/4- 18	31,59
UNEF 1 3/8- 18	34,76
UNEF 1 1/2- 18	37,94

G (BSP)	
d1 (") - p (tpi)	Øa
G 1/16- 28	7,61
G 1/8- 28	9,62
G 1/4- 19	13,03
G 3/8- 19	16,53
G 1/2- 14	20,81
G 5/8- 14	22,77
G 3/4- 14	26,30
G 7/8- 14	30,06
G 1"- 11	33,07
G 1 1/8- 11	37,71
G 1 1/4- 11	41,73
G 1 3/8- 11	44,14
G 1 1/2- 11	47,62
G 1 3/4- 11	53,56
G 2"- 11	59,43
G 2 1/4- 11	65,49
G 2 1/2- 11	74,94
G 2 3/4- 11	81,27
G 3"- 11	87,57
G 3 1/4- 11	93,68
G 3 1/2- 11	100,01
G 3 3/4- 11	106,35
G 4"- 11	112,68

BA	
d1 (") - p (tpi)	Øa
BA 0 6-1	5,93
BA 1 5,3- 0,9	5,23
BA 2 4,7- 0,81	4,64
BA 3 4,1- 0,73	4,04
BA 4 3,6- 0,66	3,55
BA 5 3,2- 0,59	3,15
BA 6 2,8- 0,53	2,76
BA 7 2,5- 0,48	2,46
BA 8 2,2- 0,43	2,16

PG	
d1 (") - p (tpi)	Øa
Pg 7 12,5- 20	12,40
Pg 9 15,2- 18	15,10
Pg 11 18,6- 18	18,50
Pg 13,5 20,4- 18	20,30
Pg 16 22,5- 18	22,40
Pg 21 28,3- 16	28,15
Pg 29 37,0- 16	36,85
Pg 36 47,0- 16	46,85
Pg 42 54,0- 16	53,85
Pg 48 59,3- 16	59,15

NPSM	
d1 (") - p (tpi)	Øa
NPSM 1/8- 27	4,99
NPSM 1/4- 18	13,24
NPSM 3/8- 18	16,70
NPSM 1/2- 14	20,77
NPSM 3/4- 14	26,13
NPSM 1"- 11,5	32,68
NPSM 1 1/4- 11,5	41,45
NPSM 1 1/2- 11,5	47,52
NPSM 2"- 11,5	59,56

NPT		
d1 (") - p (tpi)	L min	Øa
NPT 1/16- 27	8,40	7,58
NPT 1/8- 27	8,50	9,93
NPT 1/4- 18	12,70	13,18
NPT 3/8- 18	12,90	16,60
NPT 1/2- 14	16,80	20,63
NPT 3/4- 14	17,10	25,95
NPT 1"- 11,5	21,30	32,51
NPT 1 1/4- 11,5	21,90	41,23
NPT 1 1/2- 11,5	22,30	47,30
NPT 2"- 11,5	23,10	59,31

NPTF		
d1 (") - p (tpi)	L min	Øa
NPTF 1/16- 27	8,40	7,58
NPTF 1/8- 27	8,50	9,93
NPTF 1/4- 18	12,70	13,18
NPTF 3/8- 18	12,90	16,60
NPTF 1/2- 14	16,80	20,63
NPTF 3/4- 14	17,10	25,95
NPTF 1"- 11,5	21,30	32,51
NPTF 1 1/4- 11,5	21,90	41,23
NPTF 1 1/2- 11,5	22,30	47,30
NPTF 2"- 11,5	23,10	59,31

R		
d1 (") - p (tpi)	L min	Øa
R 1/8- 28	8,20	9,48
R 1/4- 19	12,10	12,78
R 3/8- 19	12,50	16,26
R 1/2- 14	16,40	20,44
R 3/4- 14	17,70	25,85
R 1"- 11	20,90	32,60
R 1 1/4- 11	23,20	41,12
R 1 1/2- 11	23,20	47,01
R 2"- 11	27,50	58,62

TABLA DE CONVERSIÓN DE PULGADAS A MILÍMETROS

Calculado: 1 pulgada = 25,4 mm. (exactos), ver DIN 4890 (edición 2/75)

		Milímetros											
Parte de pulgadas		0	1	2	3	4	5	6	7	9	10	11	12
0	0	0	25,400 0	50,800 0	76,200 0	101,600 0	127,000 0	152,400 0	177,800 0	228,600 0	254,000 0	279,400 0	304,800 0
1/64	0,015 625	0,396 9	25,796 9	51,196 9	76,596 9	101,996 9	127,396 9	152,796 9	178,196 9	229,000 0	254,396 9	279,796 9	305,196 9
1/32	0,031 25	0,793 8	26,193 8	51,593 8	76,993 8	102,393 8	127,793 8	153,193 8	178,593 8	229,393 8	254,793 8	280,193 8	305,593 8
3/64	0,046 875	1,190 6	26,590 6	51,990 6	77,390 6	102,790 6	128,190 6	153,590 6	178,990 6	229,790 6	255,190 6	280,590 6	305,990 6
1/16	0,062 5	1,587 5	26,987 5	52,387 5	77,787 5	103,187 5	128,587 5	153,987 5	179,387 5	230,187 5	255,587 5	280,987 5	306,387 5
5/64	0,078 125	1,984 4	27,384 4	52,784 4	78,184 4	103,584 4	128,984 4	154,384 4	179,784 4	230,584 4	255,984 4	281,384 4	306,784 4
3/32	0,093 75	2,381 2	27,781 2	53,181 2	78,581 2	103,981 2	129,381 2	154,781 2	180,181 2	230,981 2	256,381 2	281,781 2	307,181 2
7/64	0,109 375	2,778 1	28,178 1	53,578 1	78,978 1	104,378 1	129,778 1	155,178 1	180,578 1	231,378 1	256,778 1	282,178 1	307,578 1
1/8	0,125	3,175 0	28,575 0	53,975 0	79,375 2	104,775 0	130,175 0	155,575 0	180,975 0	231,775 0	257,175 0	282,575 0	307,975 0
9/64	0,140 625	3,571 9	28,971 9	54,361 9	79,771 9	105,171 9	130,571 9	155,971 9	181,371 9	232,171 9	257,571 9	282,971 9	308,371 9
5/32	0,156 25	3,968 8	29,368 8	54,768 8	80,168 8	105,568 8	130,968 8	156,368 8	181,768 8	232,568 8	257,968 8	283,368 8	308,768 8
11/64	0,171 875	4,365 6	29,765 6	55,165 6	80,565 6	105,965 6	131,365 6	156,765 6	182,165 6	232,965 6	258,365 6	283,765 6	309,165 6
3/16	0,187 5	4,762 5	30,162 5	55,562 5	80,962 5	106,362 5	131,762 5	157,162 5	182,562 5	233,362 5	258,762 5	284,162 5	309,562 5
13/64	0,203 125	5,159 4	30,559 4	55,959 4	81,359 4	106,759 4	132,159 4	157,559 4	182,959 4	233,759 4	259,159 4	284,559 4	310,359 4
7/32	0,218 75	5,556 2	30,956 2	56,356 2	81,756 2	107,156 2	132,556 2	157,956 2	183,356 2	234,156 2	259,556 2	284,956 2	310,756 2
15/64	0,234 375	5,953 1	31,353 1	56,753 1	82,153 1	107,553 1	132,953 1	158,353 1	183,753 1	234,553 1	259,953 1	285,353 1	311,153 1
1/4	0,25	6,350 0	31,750 0	57,150 0	82,550 0	107,950 0	133,350 0	158,750 0	184,150 0	234,950 0	260,350 0	285,750 0	311,550 0
17/64	0,265 625	6,746 9	32,146 9	57,546 9	82,946 9	108,346 9	133,746 9	159,146 9	184,546 9	235,346 9	260,746 9	286,146 9	311,946 9
9/32	0,281 25	7,143 8	32,543 8	57,943 8	83,343 8	108,743 8	134,143 8	159,543 8	184,943 8	235,743 8	261,143 8	286,543 8	312,343 8
19/64	0,296 875	7,540 6	32,940 6	58,340 6	83,740 6	109,140 6	134,540 6	159,940 6	185,340 6	236,140 6	261,540 6	286,940 6	312,740 6
5/16	0,312 5	7,937 5	33,337 5	58,737 5	84,137 5	109,537 5	134,937 5	160,337 5	185,737 5	236,537 5	261,937 5	287,337 5	313,137 5
21/64	0,328 125	8,334 4	33,734 4	59,134 4	84,534 4	109,934 4	135,334 4	160,734 4	186,134 4	236,934 4	262,334 4	287,734 4	313,534 4
11/32	0,343 75	8,731 2	34,131 2	59,531 2	84,931 2	110,331 2	135,731 2	161,131 2	186,531 2	237,331 2	262,731 2	288,131 2	313,931 2
23/64	0,359 375	9,128 1	34,528 1	59,928 1	85,328 1	110,728 1	136,128 1	161,528 1	186,928 1	237,728 1	263,128 1	288,528 1	314,328 1
3/8	0,375	9,525 0	34,925 0	60,325 0	85,725 0	111,125 0	136,525 0	161,925 0	187,325 0	238,125 0	263,525 0	288,925 0	314,725 0
25/64	0,390 625	9,921 9	35,321 9	60,721 9	86,121 9	111,521 9	136,921 9	162,321 9	187,721 9	238,521 9	263,921 9	289,321 9	315,121 9
13/32	0,406 25	10,318 8	35,718 8	61,118 8	86,518 8	111,918 8	137,318 8	162,718 8	188,118 8	238,918 8	264,318 8	289,718 8	315,518 8
27/64	0,421 875	10,715 6	36,115 6	61,515 6	86,915 6	112,315 6	137,715 6	163,115 6	188,515 6	239,315 6	264,715 6	290,115 6	315,915 6
7/16	0,437 5	11,112 5	36,512 5	61,912 5	87,312 5	112,712 5	138,112 5	163,512 5	188,912 5	239,712 5	265,112 5	290,512 5	316,312 5
29/64	0,453 125	11,509 4	36,909 4	62,309 4	87,709 4	113,109 4	138,509 4	163,909 4	189,309 4	240,109 4	265,509 4	290,909 4	316,709 4
15/32	0,468 75	11,906 2	37,306 2	62,706 2	88,106 2	113,506 2	138,906 2	164,306 2	189,706 2	240,506 2	265,906 2	291,306 2	317,106 2
31/64	0,484 375	12,303 1	37,703 1	63,103 1	88,503 1	113,903 1	139,303 1	164,703 1	190,103 1	240,903 1	266,303 1	291,703 1	317,503 1
1/2	0,5	12,700 0	38,100 0	63,500 0	88,900 0	114,300 0	139,700 0	165,100 0	190,500 0	241,300 0	266,700 0	292,100 0	317,900 0
33/64	0,515 625	13,096 9	38,496 9	63,896 9	89,296 9	114,696 9	140,096 9	165,496 9	190,896 9	241,696 9	267,096 9	292,496 9	318,296 9
17/32	0,531 25	13,493 8	38,893 8	64,293 8	89,693 8	115,093 8	140,493 8	165,893 8	191,293 8	242,093 8	267,493 8	292,893 8	318,693 8
35/64	0,546 875	13,890 6	39,290 6	64,690 6	90,090 6	115,490 6	140,890 6	166,290 6	191,690 6	242,490 6	267,890 6	293,290 6	319,090 6
9/16	0,562 5	14,287 5	39,687 5	65,087 5	90,487 5	115,887 5	141,287 5	166,687 5	192,087 5	242,887 5	268,287 5	293,687 5	319,487 5
37/64	0,578 125	14,684 4	40,084 4	65,484 4	90,884 4	116,284 4	141,684 4	167,084 4	192,484 4	243,284 4	268,684 4	294,084 4	319,884 4
19/32	0,593 75	15,081 2	40,481 2	65,881 2	91,281 2	116,681 2	142,081 2	167,481 2	192,881 2	243,681 2	269,081 2	294,481 2	320,281 2
39/64	0,609 375	15,478 1	40,878 1	66,278 1	91,678 1	117,078 1	142,478 1	167,878 1	193,278 1	244,078 1	269,478 1	294,878 1	320,678 1
5/8	0,625	15,875 0	41,275 0	66,675 0	92,075 0	117,475 0	142,875 0	168,275 0	193,675 0	244,475 0	269,875 0	295,275 0	321,075 0
41/64	0,640 625	16,271 9	41,671 9	67,071 9	92,471 9	117,871 9	143,271 9	168,671 9	194,071 9	244,871 9	270,271 9	295,671 9	321,471 9
21/32	0,656 25	16,668 8	42,068 8	67,468 8	92,868 8	118,268 8	143,668 8	169,068 8	194,468 8	245,268 8	270,668 8	296,068 8	321,868 8
43/64	0,671 875	17,065 6	42,465 6	67,865 6	93,265 6	118,665 6	144,065 6	169,465 6	194,865 6	245,665 6	271,065 6	296,465 6	322,265 6
11/16	0,687 5	17,462 5	42,862 5	68,262 5	93,662 5	119,062 5	144,462 5	169,862 5	195,262 5	246,062 5	271,462 5	296,862 5	322,662 5
45/64	0,703 125	17,859 4	43,259 4	68,659 4	94,059 4	119,459 4	144,859 4	170,259 4	195,659 4	246,459 4	271,859 4	297,259 4	323,059 4
23/32	0,718 75	18,256 2	43,656 2	69,056 2	94,456 2	119,856 2	145,256 2	170,652 2	196,056 2	246,856 2	272,256 2	297,656 2	323,456 2
47/64	0,734 375	18,653 1	44,053 1	69,453 1	94,853 1	120,253 1	145,653 1	171,053 1	196,453 1	247,253 1	272,653 1	298,053 1	323,853 1
3/4	0,75	19,050 0	44,450 0	69,850 0	95,250 0	120,650 0	146,050 0	171,450 0	196,850 0	247,650 0	273,050 0	298,450 0	324,250 0
49/64	0,765 625	19,446 9	44,846 9	70,246 9	95,646 9	121,046 9	146,446 9	171,846 9	197,246 9	248,046 9	273,446 9	298,846 9	324,646 9
25/32	0,781 25	19,843 8	45,243 8	70,643 8	96,043 8	121,443 8	146,843 8	172,243 8	197,643 8	248,443 8	273,843 8	299,243 8	325,043 8
51/64	0,796 875	20,240 6	45,640 6	71,040 6	96,440 6	121,840 6	147,240 6	172,640 6	198,040 6	248,840 6	274,240 6	299,640 6	325,440 6
13/16	0,812 5	20,637 5	46,037 5	71,437 5	96,837 5	122,237 5	147,637 5	173,037 5	198,437 5	249,237 5	274,637 5	300,037 5	325,837 5
53/64	0,828 125	21,034 4	46,434 4	71,834 4	97,234 4	122,634 4	148,034 4	173,434 4	198,834 4	249,634 4	275,034 4	300,434 4	326,234 4
0/32	0,843 75	21,431 2	46,831 2	72,231 2	97,631 2	123,031 2	148,431 2	173,831 2	199,231 2	250,031 2	275,431 2	300,831 2	326,631 2
55/64	0,859 375	21,828 1	47,228 1	72,628 1	98,028 1	123,428 1	148,828 1	174,228 1	199,628 1	250,428 1	275,828 1	301,228 1	327,028 1
7/8	0,875	22,225 0	47,625 0	73,025 0	98,425 0	123,825 0	149,225 0	174,625 2	200,025 0	250,825 0	276,225 0	301,625 0	327,425 0
57/64	0,890 625	22,621 9	48,021 9	73,421 9	98,821 9	124,221 9	149,621 9	175,021 9	200,421 9	251,221 9	276,621 9	302,021 9	327,821 9
29/32	0,906 25	23,018 8	48,418 8	73,818 8	99,218 8	124,618 8	150,018 8	175,418 8	200,818 8	251,618 8	277,018 8	302,418 8	328,218 8
59/64	0,921 875	23,415 6	48,815 6	74,215 6	99,615 6	125,015 6	150,415 6	175,815 6	201,215 6	252,015 6	277,415 6	302,815 6	328,615 6
15/16	0,937 5	23,812 5	49,212 5	74,612 5	100,012 5	125,412 5	150,812 5	176,212 5	201,612 5	252,412 5	277,812 5	303,212 5	329,012 5
61/64	0,953 125	24,209 4	49,609 4	75,009 4	100,409 4	125,809 4	151,209 4	176,609 4	202,009 4	252,809 4	278,209 4	303,609 4	329,409 4
31/32	0,968 75	24,606 2	50,006 2	75,406 2	100,806 2	126,206 2	151,606 2	177,006 2	202,406 2	253,206 2	278,606 2	304,006	

TABLA DE DATOS TÉCNICOS PARA LA INSTALACIÓN DE INSERTOS ROSCADOS DIN 8140

INFORMATION TECHNIQUE POUR L'INSTALLATION DE FILETS RAPPORTES DIN 8140 /

TECHNICAL DATA SHEET FOR THE INSTALLATION OF WIRE THREAD INSERTS DIN 8140

Dxp	TALADRO						ROSCA									INSERTO					
	Longitud mínima (L) mm						Diam. ext. (Dr ext) min.	Diam. int. (Dr int) min.	Diam. int. (Dr int) max.	Longitud mínima (L) mm					Diam. ext.(d1) min.	Diam. ext.(d1) max.	n° de hilos				
	mm	1x1	1.5x1	2x1	2.5x1	3x1	mm	mm	mm	1x1	1.5x1	2x1	2.5x1	3x1	mm	mm	1x1	1.5x1	2x1	2.5x1	3x1
M 2 x 0,40	2,10	3,80	4,80	5,80	6,80	7,80	2,52	2,09	2,18	2,00	3,00	4,00	5,00	6,00	2,60	2,80	2,90	4,90	6,90	8,90	10,90
M 2,5 x 0,45	2,60	4,52	5,77	7,02	8,27	9,52	3,08	2,60	2,70	2,50	3,75	5,00	6,25	7,50	3,20	3,70	3,50	5,90	8,10	10,50	12,90
M 3 x 0,50	3,20	5,25	6,75	8,25	9,75	11,25	3,65	3,11	3,22	3,00	4,50	6,00	7,50	9,00	3,80	4,35	3,90	6,30	8,70	11,10	13,50
M 3,5 x 0,60	3,70	6,20	7,95	9,70	11,45	13,20	4,28	3,63	3,76	3,50	5,25	7,00	8,75	10,50	4,55	4,75	3,70	6,30	8,70	11,20	13,30
M 4 x 0,70	4,20	7,15	9,15	11,15	13,15	15,15	4,91	4,15	4,29	4,00	6,00	8,00	10,00	12,00	5,05	5,60	3,70	6,10	8,40	10,90	13,20
M 5 x 0,80	5,20	8,60	11,10	13,60	16,10	18,60	6,04	5,17	5,33	5,00	7,50	10,00	12,50	15,00	6,25	6,80	4,30	6,90	9,70	12,30	14,80
M 6 x 1,00	6,30	10,50	13,50	16,50	19,50	22,50	7,30	6,22	6,41	6,00	9,00	12,00	15,00	18,00	7,40	7,95	4,20	6,90	9,60	12,30	14,60
M 7 x 1,00	7,30	11,50	15,00	18,50	22,00	25,50	8,30	7,22	7,41	7,00	10,50	14,00	17,50	21,00	8,05	9,20	5,30	8,20	11,10	14,30	17,40
M 8 x 1,25	8,30	13,62	17,62	21,62	25,62	29,62	9,62	8,27	8,48	8,00	12,00	16,00	20,00	24,00	9,80	10,35	4,70	7,40	10,60	13,50	16,40
M 8 x 1,00	8,30	12,50	16,50	20,50	24,50	28,50	9,30	8,22	8,41	8,00	12,00	16,00	20,00	24,00	9,70	10,25	6,10	9,50	12,90	16,50	19,90
M 9 x 1,25	9,30	14,62	19,12	23,62	28,12	32,62	10,62	9,27	9,48	9,00	13,50	18,00	22,50	27,00	10,85	11,10	5,30	8,60	11,90	15,30	18,10
M 10 x 1,50	10,40	16,75	21,75	26,75	31,75	36,75	11,85	10,32	10,56	10,00	15,00	20,00	25,00	30,00	11,85	12,50	5,00	8,10	11,20	14,20	17,20
M 10 x 1,25	10,30	15,62	20,62	25,62	30,62	35,62	11,62	10,27	10,48	10,00	15,00	20,00	25,00	30,00	12,10	12,65	6,00	9,70	13,10	16,90	20,10
M 10 x 1,00	10,30	14,50	19,50	24,50	29,50	34,50	11,30	10,22	10,41	10,00	15,00	20,00	25,00	30,00	12,10	12,50	7,60	12,10	16,30	20,70	25,00
M 11 x 1,50	11,40	17,75	23,25	28,75	34,25	39,75	12,95	11,33	11,56	11,00	16,50	22,00	27,50	33,00	13,10	13,50	5,80	9,00	12,30	15,70	19,10
M 12 x 1,75	12,40	19,87	25,87	31,87	37,87	43,87	14,27	12,38	12,64	12,00	18,00	24,00	30,00	36,00	14,30	15,00	5,20	8,40	11,70	14,70	18,00
M 12 x 1,50	12,40	18,75	24,75	30,75	36,75	42,75	14,10	12,32	12,54	12,00	18,00	24,00	30,00	36,00	14,25	14,95	6,20	9,80	13,50	17,10	20,80
M 12 x 1,25	12,30	17,62	23,62	29,62	35,62	41,62	13,62	12,27	12,48	12,00	18,00	24,00	30,00	36,00	14,30	15,00	7,40	11,60	15,90	20,00	24,30
M 12 x 1,00	12,30	16,50	22,50	28,50	34,50	40,50	13,30	12,22	12,41	12,00	18,00	24,00	30,00	36,00	14,40	14,80	9,30	14,50	19,50	24,80	30,00
M 14 x 2,00	14,50	23,00	30,00	37,00	44,00	51,00	16,60	14,43	14,73	14,00	21,00	28,00	35,00	42,00	16,65	17,35	5,60	8,80	12,00	15,20	18,40
M 14 x 1,50	14,40	20,75	27,75	34,75	41,75	48,75	15,85	14,35	14,56	14,00	21,00	28,00	35,00	42,00	15,96	16,64	7,40	11,60	15,70	19,90	24,10
M 14 x 1,25	14,40	19,62	26,62	33,62	40,62	47,62	15,62	14,27	14,46	14,00	21,00	28,00	35,00	42,00	15,74	16,00	8,40	13,30	18,20	23,10	28,00
M 14 x 1,00	14,30	18,50	25,50	32,50	39,50	46,50	15,20	14,22	14,41	14,00	21,00	28,00	35,00	42,00	15,35	15,65	11,20	17,20	23,20	29,20	35,20
M 16 x 2,00	16,50	25,00	33,00	41,00	49,00	57,00	18,60	16,43	16,73	16,00	24,00	32,00	40,00	48,00	18,60	19,80	6,50	10,10	13,80	17,50	21,10
M 16 x 1,50	16,40	22,75	30,75	38,75	46,75	54,75	17,95	16,32	16,56	16,00	24,00	32,00	40,00	48,00	18,10	18,40	8,70	13,40	18,10	22,90	27,80
M 18 x 2,50	18,60	29,25	38,25	47,25	56,25	65,25	21,25	18,54	18,90	18,00	27,00	36,00	45,00	54,00	21,30	22,00	5,60	9,00	12,30	15,70	19,00
M 18 x 2,00	18,50	27,00	36,00	45,00	54,00	63,00	20,80	18,43	18,73	18,00	27,00	36,00	45,00	54,00	20,80	21,45	7,10	11,20	15,20	19,20	23,20
M 18 x 1,50	18,50	24,75	33,75	42,75	51,75	60,75	19,95	18,32	18,56	18,00	27,00	36,00	45,00	54,00	20,15	20,80	9,50	14,90	20,20	25,50	30,80
M 20 x 2,50	20,60	31,25	41,25	51,25	61,25	71,25	23,25	20,54	20,90	20,00	30,00	40,00	50,00	60,00	23,35	24,40	6,30	10,00	13,70	17,40	21,10
M 20 x 2,00	20,50	29,00	39,00	49,00	59,00	69,00	22,60	20,43	20,73	20,00	30,00	40,00	50,00	60,00	22,60	23,45	8,00	12,50	16,80	21,20	25,60
M 20 x 1,50	20,50	26,75	36,75	46,75	56,75	66,75	21,95	20,32	20,56	20,00	30,00	40,00	50,00	60,00	22,20	22,80	10,70	16,70	22,40	28,30	34,20
M 22 x 2,50	22,60	33,25	44,25	55,25	66,25	77,25	25,25	22,54	22,90	22,00	33,00	44,00	55,00	66,00	25,90	26,90	6,90	10,90	15,00	19,10	23,10
M 22 x 2,00	22,50	31,00	42,00	53,00	64,00	75,00	24,60	22,43	22,73	22,00	33,00	44,00	55,00	66,00	24,85	25,50	8,70	13,60	18,50	23,40	28,30
M 22 x 1,50	22,50	28,75	39,75	50,75	61,75	72,75	23,95	22,32	22,56	22,00	33,00	44,00	55,00	66,00	24,20	24,60	11,70	18,10	24,50	30,90	37,30
M 24 x 3,00	24,75	37,50	49,50	61,50	73,50	85,50	27,90	24,85	25,05	24,00	38,00	48,00	60,00	72,00	28,00	29,00	8,20	10,00	14,00	17,90	21,90
M 24 x 2,00	24,50	33,00	45,00	57,00	69,00	81,00	26,60	24,43	24,73	24,00	36,00	48,00	60,00	72,00	26,85	27,50	9,60	15,00	20,20	25,10	30,00
M 24 x 1,50	24,50	30,75	42,75	54,75	66,75	78,75	26,02	24,33	24,56	24,00	36,00	48,00	60,00	72,00	26,20	26,80	12,90	19,80	26,70	33,60	40,50
UNC N 2 x 56	2,40	4,80	5,80	7,00	8,10	9,20	2,84	2,28	2,44	2,20	3,30	4,40	5,50	6,60	2,70	2,90	3,00	5,25	7,40	9,60	11,80
UNC N 4 x 40	3,10	6,30	7,70	9,20	10,60	12,10	3,67	3,00	3,15	2,90	4,30	5,60	7,00	8,40	3,60	4,00	2,80	4,80	6,80	8,80	10,80
UNC N 5 x 40	3,40	6,60	8,20	9,80	11,10	13,00	4,00	3,33	3,48	3,20	4,80	6,40	7,90	9,60	4,00	4,40	3,30	5,50	7,80	10,00	10,30
UNC N 6 x 32	3,70	7,70	9,50	11,20	13,20	14,70	4,54	3,68	3,89	3,50	5,30	7,00	8,80	10,50	4,50	4,90	2,80	4,80	6,70	8,70	10,70
UNC N 8 x 32	4,40	8,40	10,50	12,50	14,70	16,80	5,11	4,34	4,52	4,20	6,30	8,40	10,50	12,60	5,20	5,60	2,90	5,90	8,30	10,70	13,10
UNC N 10x24	5,20	9,90	12,30	14,70	17,20	19,50	6,20	5,06	5,28	4,80	7,20	9,60	12,10	14,40	6,20	6,60	2,90	5,00	7,10	9,20	11,30
UNC N 12x24	5,80	10,60	13,30	16,10	18,90	21,60	6,86	5,72	5,92	5,50	8,20	11,00	13,70	16,50	6,80	7,20	3,50	5,90	8,30	10,70	13,10
UNC 1/4 x 20																					

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2102

HSSE DIN 371

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
*M1,20 x 0,25	34,85	40	5	2,10	2,5
*M1,40 x 0,30	34,85	40	7	2,10	2,5
M1,60 x 0,35	34,23	40	8	2,10	2,5
M1,70 x 0,35	31,28	40	8	2,10	2,5
M1,80 x 0,35	32,14	40	8	2,10	2,5
M2,00 x 0,40	14,95	45	8	2,10	2,8
M2,20 x 0,45	15,46	45	9	2,10	2,8
M2,30 x 0,40	15,46	45	9	2,10	2,8
M2,50 x 0,45	14,95	50	9	2,10	2,8
M2,60 x 0,45	14,95	50	9	2,10	2,8
M3,00 x 0,50	10,27	56	11	2,70	3,5
MF3,00 x 0,60	17,21	56	11	2,70	3,5
M3,50 x 0,60	13,57	56	11	3,00	4,0

*Tol. 4H

Ø x P mm	€	L mm	l mm	∠ mm	d mm
MF3,50 x 0,75	19,62	56	11	3,00	4,0
MF4,00 x 0,50	21,44	63	13	3,40	4,5
M4,00 x 0,70	10,50	63	13	3,40	4,5
M4,50 x 0,75	18,71	70	14	4,90	6,0
MF5,00 x 0,50	22,04	70	16	4,90	6,0
MF5,00 x 0,75	22,50	70	16	4,90	6,0
M5,00 x 0,80	10,53	70	16	4,90	6,0
M6,00 x 1,00	11,96	80	19	4,90	6,0
M7,00 x 1,00	14,47	80	19	5,50	7,0
M8,00 x 1,25	13,45	90	22	6,20	8,0
M9,00 x 1,25	21,85	90	22	7,00	9,0
M10,00 x 1,50	15,08	100	24	8,00	10,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2101

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
M3,00 x 0,50	10,08	56	11	2,00	2,2
M3,50 x 0,60	13,57	56	11	2,10	2,5
M4,00 x 0,70	10,50	63	13	2,10	2,8
M5,00 x 0,80	10,53	70	16	2,70	3,5
MF6,00 x 0,50	26,45	80	19	3,40	4,5
MF6,00 x 0,75	17,40	80	19	3,40	4,5
M6,00 x 1,00	11,96	80	19	3,40	4,5
MF7,00 x 0,50	30,10	80	19	4,30	5,5
MF7,00 x 0,75	23,22	80	19	4,90	5,5
M7,00 x 1,00	14,47	80	19	4,30	5,5
MF8,00 x 0,50	28,99	80	18	4,90	6,0
MF8,00 x 0,75	21,18	80	18	4,90	6,0
MF8,00 x 1,00	17,15	90	22	4,90	6,0
M8,00 x 1,25	13,45	90	22	4,90	6,0
MF9,00 x 0,75	31,42	90	22	5,50	7,0
MF9,00 x 1,00	26,16	90	22	5,50	7,0
M9,00 x 1,25	21,85	90	22	5,50	7,0
MF10,00 x 0,50	83,27	90	20	5,50	7,0
MF10,00 x 0,75	33,88	90	20	5,50	7,0
MF10,00 x 1,00	19,05	90	20	5,50	7,0
MF10,00 x 1,25	21,79	100	24	5,50	7,0
M10,00 x 1,50	15,08	100	24	5,50	7,0
MF11,00 x 1,00	33,46	90	22	6,20	8,0
MF11,00 x 1,25	33,46	100	24	6,20	8,0
M11,00 x 1,50	27,50	100	24	6,20	8,0
MF12,00 x 0,75	52,27	100	22	7,00	9,0
MF12,00 x 1,00	26,02	100	22	7,00	9,0
MF12,00 x 1,25	26,31	100	22	7,00	9,0
MF12,00 x 1,50	23,53	100	22	7,00	9,0
M12,00 x 1,75	19,42	110	29	7,00	9,0
MF13,00 x 0,75	89,44	100	22	9,00	11,0
MF13,00 x 1,00	48,32	100	22	9,00	11,0
MF13,00 x 1,25	48,32	100	22	9,00	11,0
MF13,00 x 1,50	48,32	100	22	9,00	11,0
M13,00 x 1,75	48,32	110	29	9,00	11,0
MF14,00 x 0,75	89,44	100	22	9,00	11,0
MF14,00 x 1,00	41,83	100	22	9,00	11,0
MF14,00 x 1,25	34,39	100	22	9,00	11,0
MF14,00 x 1,50	27,12	100	22	9,00	11,0
M14,00 x 2,00	26,90	110	30	9,00	11,0
MF15,00 x 1,00	53,87	100	22	9,00	12,0
MF15,00 x 1,25	58,84	100	22	9,00	12,0
MF15,00 x 1,50	47,83	100	22	9,00	12,0
M15,00 x 2,00	58,52	110	30	9,00	12,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
MF16,00 x 1,00	50,76	100	22	9,00	12,0
MF16,00 x 1,25	55,37	100	22	9,00	12,0
MF16,00 x 1,50	30,97	100	22	9,00	12,0
M16,00 x 2,00	31,63	110	30	9,00	12,0
MF17,00 x 1,00	100,97	100	22	9,00	12,0
MF17,00 x 1,25	100,97	100	22	9,00	12,0
MF17,00 x 1,50	100,97	100	22	9,00	12,0
MF18,00 x 1,00	56,84	110	25	11,00	14,0
MF18,00 x 1,25	71,85	110	25	11,00	14,0
MF18,00 x 1,50	44,39	110	25	11,00	14,0
MF18,00 x 2,00	63,85	125	34	11,00	14,0
M18,00 x 2,50	45,59	125	34	11,00	14,0
MF19,00 x 1,00	132,66	110	25	11,00	14,0
MF19,00 x 1,25	132,58	110	25	11,00	14,0
MF19,00 x 1,50	132,65	110	25	11,00	14,0
MF20,00 x 1,00	75,04	125	25	12,00	16,0
MF20,00 x 1,25	132,66	125	25	12,00	16,0
MF20,00 x 1,50	50,27	125	25	12,00	16,0
MF20,00 x 2,00	65,87	140	34	12,00	16,0
M20,00 x 2,50	48,45	140	34	12,00	16,0
MF21,00 x 1,00	192,59	125	25	12,00	16,0
MF21,00 x 1,25	192,59	125	25	12,00	16,0
MF21,00 x 1,50	141,38	125	25	12,00	16,0
MF22,00 x 1,00	84,13	125	25	14,50	18,0
MF22,00 x 1,25	132,66	125	25	14,50	18,0
MF22,00 x 1,50	60,50	125	25	14,50	18,0
MF22,00 x 2,00	84,13	140	34	14,50	18,0
M22,00 x 2,50	61,42	140	34	14,50	18,0
MF23,00 x 1,00	192,50	125	25	14,50	18,0
MF23,00 x 1,50	192,50	125	25	14,50	18,0
MF24,00 x 1,00	91,72	140	28	14,50	18,0
MF24,00 x 1,25	192,59	140	28	14,50	18,0
MF24,00 x 1,50	74,40	140	28	14,50	18,0
MF24,00 x 2,00	94,06	140	28	14,50	18,0
M24,00 x 3,00	73,56	160	38	14,50	18,0
MF25,00 x 1,00	249,13	140	28	14,50	18,0
MF25,00 x 1,50	115,78	140	28	14,50	18,0
MF25,00 x 2,00	249,13	140	28	14,50	18,0
MF26,00 x 1,00	249,13	140	28	14,50	18,0
MF26,00 x 1,50	100,34	140	28	14,50	18,0
MF26,00 x 2,00	249,13	140	28	14,50	18,0
MF27,00 x 1,00	126,02	140	28	16,00	20,0
MF27,00 x 1,50	109,58	140	28	16,00	20,0
MF27,00 x 2,00	131,14	140	28	16,00	20,0

(continúa Ref.2101 / suite Réf.2101 / Ref.2101 cont'd)

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

(continúa Ref.2101 / suite Réf.2101 / Ref.2101 cont'd)

Ø x P mm	€	L mm	l mm	mm	d mm
M27,00 x 3,00	91,81	160	38	16,00	20,0
MF28,00 x 1,00	249,13	140	28	16,00	20,0
MF28,00 x 1,50	109,58	140	28	16,00	20,0
MF28,00 x 2,00	249,13	140	28	16,00	20,0
MF30,00 x 1,00	140,17	150	28	18,00	22,0
MF30,00 x 1,50	114,22	150	28	18,00	22,0
MF30,00 x 2,00	141,38	150	28	18,00	22,0
MF30,00 x 3,00	155,46	180	45	18,00	22,0
M30,00 x 3,50	117,66	180	45	18,00	22,0
MF32,00 x 1,00	305,80	150	28	18,00	22,0
MF32,00 x 1,50	144,49	150	28	18,00	22,0
MF32,00 x 2,00	305,93	150	28	18,00	22,0
MF33,00 x 1,00	305,93	160	30	20,00	25,0
MF33,00 x 1,50	158,34	160	30	20,00	25,0
MF33,00 x 2,00	266,84	160	30	20,00	25,0
MF33,00 x 3,00	293,39	180	50	20,00	25,0
M33,00 x 3,50	141,38	180	50	20,00	25,0
MF34,00 x 1,50	186,07	170	30	22,00	28,0
MF34,00 x 2,00	335,79	170	30	22,00	28,0
MF35,00 x 1,50	185,57	170	30	22,00	28,0
MF36,00 x 1,50	180,98	170	30	22,00	28,0
MF36,00 x 2,00	244,45	170	30	22,00	28,0
MF36,00 x 3,00	280,43	200	56	22,00	28,0
M36,00 x 4,00	180,70	200	56	22,00	28,0
MF38,00 x 1,50	192,94	170	30	22,00	28,0
MF38,00 x 2,00	395,48	170	30	22,00	28,0

Ø x P mm	€	L mm	l mm	mm	d mm
MF39,00 x 1,50	292,40	170	30	24,00	32,0
MF39,00 x 2,00	292,40	170	30	24,00	32,0
MF39,00 x 3,00	395,92	200	60	24,00	32,0
M39,00 x 4,00	230,71	200	60	24,00	32,0
MF40,00 x 1,50	252,39	170	30	24,00	32,0
MF40,00 x 2,00	293,18	170	30	24,00	32,0
MF40,00 x 3,00	293,18	200	60	24,00	32,0
MF42,00 x 1,50	256,18	170	30	24,00	32,0
MF42,00 x 2,00	335,37	170	30	24,00	32,0
MF42,00 x 3,00	335,37	200	60	24,00	32,0
M42,00 x 4,50	296,58	200	60	24,00	32,0
MF45,00 x 1,50	317,17	180	32	29,00	36,0
MF45,00 x 2,00	402,67	180	32	29,00	36,0
MF45,00 x 3,00	402,67	200	50	29,00	36,0
M45,00 x 4,50	324,08	220	65	29,00	36,0
MF48,00 x 1,50	324,08	190	32	29,00	36,0
MF48,00 x 2,00	488,02	190	32	29,00	36,0
MF48,00 x 3,00	487,99	225	50	29,00	36,0
M48,00 x 5,00	398,48	250	70	29,00	36,0
MF50,00 x 1,50	378,98	190	32	29,00	36,0
MF52,00 x 1,50	383,65	190	32	32,00	40,0
MF52,00 x 2,00	586,16	190	32	32,00	40,0
MF52,00 x 3,00	601,84	225	50	32,00	40,0
M52,00 x 5,00	408,11	250	70	32,00	40,0
MF63,00 x 1,50	879,28	275	40	39,00	50,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2102/5

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
M3 x 0,50	20,54	56	11	2,70	3,5
M4 x 0,70	20,97	63	13	3,40	4,5
M5 x 0,80	21,07	70	16	4,90	6,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
M6 x 1,00	23,90	80	19	4,90	6,0
M8 x 1,25	26,91	90	22	6,20	8,0
M10 x 1,50	30,14	100	24	8,00	10,0

2101/5

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H



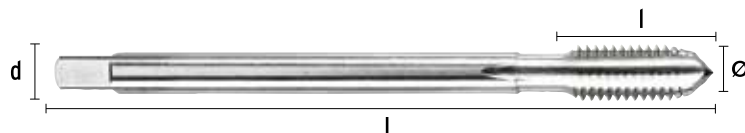
D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
M5 x 0,80	21,07	70	16	2,70	3,5
M6 x 1,00	23,90	80	19	3,40	4,5
M7 x 1,00	28,94	80	19	4,30	5,5
MF8 x 1,00	34,30	90	22	4,90	6,0
M8 x 1,25	26,91	90	22	4,90	6,0
M9 x 1,25	43,71	90	22	5,50	7,0
MF10 x 1,00	38,06	90	20	5,50	7,0
MF10 x 1,25	30,14	100	24	5,50	7,0
M10 x 1,50	30,14	100	24	5,50	7,0
MF12 x 1,25	52,60	100	22	7,00	7,0
MF12 x 1,50	47,05	100	22	7,00	9,0
M12 x 1,75	38,86	110	29	7,00	9,0
MF14 x 1,50	54,24	100	22	9,00	9,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
M14 x 2,00	53,80	110	30	9,00	11,0
MF16 x 1,50	61,92	100	22	9,00	11,0
M16 x 2,00	63,24	110	30	9,00	12,0
MF18 x 1,50	88,78	110	25	11,00	12,0
M18 x 2,50	95,58	125	34	11,00	14,0
MF20 x 1,50	100,53	125	25	12,00	14,0
M20 x 2,50	101,51	140	35	12,00	16,0
MF22 x 1,50	121,02	125	25	14,50	18,0
M22 x 2,50	122,87	140	34	14,50	18,0
MF24 x 1,50	148,82	140	28	14,50	18,0
M24 x 3,00	147,13	160	38	14,50	18,0
M27 x 3,00	183,60	160	38	16,00	20,0
M30 x 3,50	235,29	180	45	18,00	22,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2114

HSSE DIN 371

M
DIN 13

MF
DIN 13

Form.
A



Tol.
6H



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M2,00 x 0,40	15,86	45	8	2,10	2,8
M2,20 x 0,45	17,17	45	9	2,10	2,8
M2,30 x 0,40	16,35	45	9	2,10	2,8
M2,50 x 0,45	15,86	50	9	2,10	2,8
M2,60 x 0,45	15,86	50	9	2,10	2,8
M3,00 x 0,50	11,30	56	11	2,70	3,5
M3,50 x 0,60	14,40	56	11	3,00	4,0
M4,00 x 0,70	11,53	63	13	3,40	4,5

Ø x P mm	€	L mm	I mm	mm	d mm
M4,50 x 0,75	19,83	70	14	4,90	6,0
M5,00 x 0,80	11,59	70	16	4,90	6,0
M6,00 x 1,00	13,15	80	19	4,90	6,0
M7,00 x 1,00	15,04	80	19	5,50	7,0
M8,00 x 1,25	14,79	90	22	6,20	8,0
M9,00 x 1,25	23,17	90	22	7,00	9,0
M10,00 x 1,50	16,56	100	24	8,00	10,0

2113

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
A



Tol.
6H



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3,00 x 0,50	11,30	56	11	2,00	2,2
M3,50 x 0,60	14,40	56	11	2,10	2,5
M4,00 x 0,70	11,53	63	13	2,10	2,8
M5,00 x 0,80	11,59	70	16	2,70	3,5
M6,00 x 1,00	13,15	80	19	3,40	4,5
M7,00 x 1,00	15,04	80	19	4,30	5,5
M8,00 x 1,25	14,79	90	22	4,90	6,0
M9,00 x 1,25	23,17	90	22	5,50	7,0
M10,00 x 1,50	16,56	100	24	5,50	7,0
M11,00 x 1,50	29,18	100	24	6,20	8,0
M12,00 x 1,75	21,38	110	29	7,00	9,0
M13,00 x 1,75	51,21	110	29	9,00	11,0
M14,00 x 2,00	27,96	110	30	9,00	11,0
M15,00 x 2,00	62,01	110	30	9,00	12,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16,00 x 2,00	32,85	110	30	9,00	12,0
M18,00 x 2,50	50,64	125	35	11,00	14,0
M20,00 x 2,50	53,79	140	35	12,00	16,0
M22,00 x 2,50	65,08	140	35	14,50	18,0
M24,00 x 3,00	77,95	160	38	14,50	18,0
M27,00 x 3,00	97,27	160	38	16,00	20,0
M30,00 x 3,50	124,66	180	45	18,00	22,0
M33,00 x 3,50	149,80	180	50	20,00	25,0
M36,00 x 4,00	191,48	200	56	22,00	28,0
M39,00 x 4,00	244,44	200	60	24,00	32,0
M42,00 x 4,50	314,25	200	60	24,00	32,0
M45,00 x 4,50	343,36	220	65	29,00	36,0
M48,00 x 5,00	422,21	250	70	29,00	36,0
M52,00 x 5,00	432,39	250	70	32,00	40,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2190

HSSE DIN 371

M
DIN 13

Form.
E



Tol.
6H

R

Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications

MICRO **FINISH**
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	∠ mm	d mm
M3 x 0,50	11,48	56	11	3,50	3,5
M4 x 0,70	11,72	63	13	3,40	4,5
M5 x 0,80	11,76	70	16	4,90	6,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
M6 x 1,00	13,38	80	19	4,90	6,0
M8 x 1,25	17,16	90	22	6,20	8,0
M10 x 1,50	22,14	100	24	8,00	10,0

2191

HSSE DIN 376

M
DIN 13

Form.
E



Tol.
6H

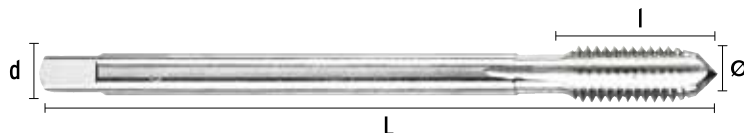
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Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications

MICRO **FINISH**
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	∠ mm	d mm
M6 x 1,00	13,38	80	19	3,40	4,5
M8 x 1,25	17,16	90	22	4,90	6,0
M10 x 1,50	22,14	100	24	5,50	7,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
M12 x 1,75	29,49	110	29	7,00	9,0
M14 x 2,00	34,68	110	30	9,00	11,0
M16 x 2,00	41,60	110	30	9,00	12,0

MACHOS DE MÁQUINA
TARAUDS MACHINE / MACHINE TAPS

2129

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6HX



NIT

Fundición

Fonte / Cast Iron

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
M3 x 0,50	13,60	56	11	2,70	3,5
M4 x 0,70	13,05	63	13	3,40	4,5
M5 x 0,80	13,05	70	16	4,90	6,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
M6 x 1,00	14,33	80	19	4,90	6,0
M8 x 1,25	16,33	90	22	6,20	8,0
M10 x 1,50	19,39	100	24	8,00	10,0

*(Hasta fin de existencias / Jusqu'à épuisement des stocks / While supplies last)

2128

HSSE DIN 376

M
DIN 13

Form.
C



Tol.
6HX



NIT

Fundición

Fonte / Cast Iron

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
M6 x 1,00	14,33	80	19	3,40	4,5
M8 x 1,25	16,33	90	22	4,90	6,0
M10 x 1,50	19,39	100	24	5,50	7,0
M12 x 1,75	25,00	110	29	7,00	9,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
M14 x 2,00	34,82	110	30	9,00	11,0
M16 x 2,00	42,24	110	30	9,00	12,0
M18 x 2,50	78,74	125	34	11,00	14,0
M20 x 2,50	78,74	140	34	12,00	16,0

*(Hasta fin de existencias / Jusqu'à épuisement des stocks / While supplies last)

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2180

HSSE-PM DIN 371

M
DIN 13

Form.
C



Tol.
6HX



TICN

Fundición

Fonte / Cast Iron

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	20,62	56	11	2,70	3,5
M4 x 0,70	21,05	63	13	3,40	4,5
M5 x 0,80	21,05	70	16	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6 x 1,00	22,31	80	19	4,90	6,0
M8 x 1,25	26,59	90	22	6,20	8,0
M10 x 1,50	32,17	100	24	8,00	10,0

2179

HSSE-PM DIN 376

M
DIN 13

Form.
C



Tol.
6HX



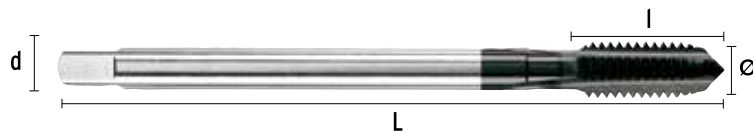
TICN

Fundición

Fonte / Cast Iron

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M8 x 1,25	26,59	90	24	4,90	6,0
M10 x 1,50	32,17	100	24	5,50	7,0
M12 x 1,75	40,51	110	29	7,00	9,0
M14 x 2,00	51,64	110	30	9,00	11,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M16 x 2,00	59,55	110	30	9,00	12,0
M18 x 2,50	99,96	125	34	11,00	14,0
M20 x 2,50	112,95	140	34	12,00	16,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2104

HSSE DIN 371

M
DIN 13

MF
DIN 13

Form.
B
"Gun"



Tol.
6H



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M2,00 x 0,40	16,34	45	8	2,10	2,8
M2,50 x 0,45	16,26	50	9	2,10	2,8
M2,60 x 0,45	16,26	50	9	2,10	2,8
M3,00 x 0,50	11,58	56	11	2,70	3,5
MF3,00 x 0,60	19,22	56	11	2,70	3,5
M3,50 x 0,60	14,83	56	11	3,40	4,0
MF4,00 x 0,50	23,59	63	13	3,00	4,5
M4,00 x 0,70	11,84	63	13	3,40	4,5
MF4,00 x 0,75	16,91	63	13	3,40	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M4,50 x 0,75	20,76	70	14	4,90	6,0
MF5,00 x 0,50	24,25	70	16	4,90	6,0
M5,00 x 0,80	11,86	70	16	4,90	6,0
M6,00 x 1,00	13,01	80	19	4,90	6,0
M7,00 x 1,00	17,02	80	19	5,50	7,0
M8,00 x 1,25	14,35	90	22	6,20	8,0
M9,00 x 1,25	22,28	90	22	7,00	10,0
M10,00 x 1,50	17,61	100	24	8,00	10,0

2103

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
B
"Gun"



Tol.
6H

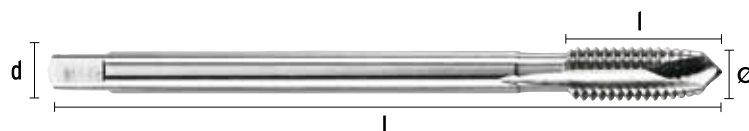


Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M3,00 x 0,50	11,58	56	11	2,00	2,2
M3,50 x 0,60	14,84	56	13	2,10	2,5
M4,00 x 0,70	11,84	63	13	2,10	2,8
M4,50 x 0,75	20,76	70	16	2,70	3,5
M5,00 x 0,80	11,86	70	16	2,70	3,5
MF6,00 x 0,75	19,71	80	19	3,40	4,5
M6,00 x 1,00	13,01	80	19	3,40	4,5
MF7,00 x 0,75	25,73	80	19	4,90	5,5
M7,00 x 1,00	17,02	80	19	4,30	5,5
MF8,00 x 0,75	24,34	90	22	4,90	6,0
MF8,00 x 1,00	18,86	90	22	4,90	6,0
M8,00 x 1,25	14,35	90	22	4,90	6,0
MF9,00 x 1,00	28,77	90	22	5,50	7,0
M9,00 x 1,25	22,28	90	22	5,50	7,0
MF10,00 x 0,75	34,58	90	20	5,50	7,0
MF10,00 x 1,00	21,01	90	20	5,50	7,0
MF10,00 x 1,25	25,03	100	24	5,50	7,0
M10,00 x 1,50	17,61	100	24	5,50	7,0
MF11,00 x 1,00	36,83	90	20	6,20	8,0
MF11,00 x 1,25	36,83	100	24	6,20	8,0
M11,00 x 1,50	30,25	100	24	6,20	8,0
MF12,00 x 1,00	28,63	100	22	7,00	9,0

Ø x P mm	€	L mm	l mm	mm	d mm
MF12,00 x 1,25	28,94	100	22	7,00	9,0
MF12,00 x 1,50	25,85	100	22	7,00	9,0
M12,00 x 1,75	22,48	110	29	7,00	9,0
MF13,00 x 1,00	53,15	100	22	9,00	11,0
MF13,00 x 1,25	53,11	100	22	9,00	11,0
MF13,00 x 1,50	53,11	100	22	9,00	11,0
M13,00 x 1,75	53,15	110	29	9,00	11,0
MF14,00 x 1,00	46,01	100	22	9,00	11,0
MF14,00 x 1,25	37,54	100	22	9,00	11,0
MF14,00 x 1,50	29,86	100	22	9,00	11,0
M14,00 x 2,00	29,60	110	30	9,00	11,0
MF15,00 x 1,00	59,12	100	22	9,00	12,0
MF15,00 x 1,25	64,74	100	22	9,00	12,0
MF15,00 x 1,50	52,59	100	22	9,00	12,0
M15,00 x 2,00	64,38	110	30	9,00	12,0
MF16,00 x 1,00	55,82	100	22	9,00	12,0
MF16,00 x 1,25	61,88	100	22	9,00	12,0
MF16,00 x 1,50	37,21	100	22	9,00	12,0
M16,00 x 2,00	36,36	110	30	9,00	12,0
MF18,00 x 1,00	62,49	110	25	11,00	14,0
MF18,00 x 1,50	48,83	110	25	11,00	14,0
MF18,00 x 2,00	70,26	125	34	11,00	14,0

(continúa Ref.2103 / suite Réf.2103 / Ref.2103 cont'd)

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

(continúa Ref.2103 / suite Réf.2103 / Ref.2103 cont'd)

Ø x P mm	€	L mm	l mm	mm	d mm
M18,00 x 2,50	49,41	125	34	11,00	14,0
MF20,00 x 1,00	82,56	125	25	12,00	16,0
MF20,00 x 1,50	55,27	125	25	12,00	16,0
MF20,00 x 2,00	72,44	140	34	12,00	16,0
M20,00 x 2,50	53,30	140	34	12,00	16,0
MF22,00 x 1,00	92,54	125	25	14,50	18,0
MF22,00 x 1,50	66,54	125	25	14,50	18,0
MF22,00 x 2,00	92,54	140	34	14,50	18,0
M22,00 x 2,50	67,56	140	34	14,50	18,0
MF24,00 x 1,00	115,29	140	28	14,50	18,0
MF24,00 x 1,50	81,80	140	28	14,50	18,0
MF24,00 x 2,00	103,46	140	28	14,50	18,0
M24,00 x 3,00	80,46	160	38	14,50	18,0
MF25,00 x 1,50	127,11	140	28	14,50	18,0
MF25,00 x 2,00	274,05	140	28	14,50	18,0
MF26,00 x 1,50	105,21	140	28	14,50	18,0
MF26,00 x 2,00	274,05	140	28	14,50	18,0
MF27,00 x 1,50	120,26	140	28	16,00	20,0
MF27,00 x 2,00	143,40	140	28	16,00	20,0
M27,00 x 3,00	100,65	160	38	16,00	20,0
MF28,00 x 1,50	120,26	140	28	16,00	20,0
MF28,00 x 2,00	274,05	140	28	16,00	20,0
MF30,00 x 1,00	171,07	150	28	18,00	22,0
MF30,00 x 1,50	125,67	150	28	18,00	22,0
MF30,00 x 2,00	155,51	150	28	18,00	22,0

Ø x P mm	€	L mm	l mm	mm	d mm
M30,00 x 3,50	129,33	180	45	18,00	22,0
MF32,00 x 1,50	158,86	150	28	18,00	22,0
MF32,00 x 2,00	336,54	150	28	18,00	22,0
MF33,00 x 1,50	171,91	160	30	20,00	25,0
MF33,00 x 2,00	293,48	160	30	20,00	25,0
M33,00 x 3,50	162,69	180	50	20,00	25,0
MF34,00 x 1,50	199,08	170	30	22,00	28,0
MF35,00 x 1,50	210,35	170	30	22,00	28,0
MF36,00 x 1,50	199,08	170	30	22,00	28,0
MF36,00 x 2,00	268,89	170	30	22,00	28,0
MF36,00 x 3,00	308,47	200	56	22,00	28,0
M36,00 x 4,00	198,76	200	56	22,00	28,0
MF38,00 x 1,50	217,36	170	30	22,00	28,0
MF38,00 x 2,00	435,05	170	30	22,00	28,0
M39,00 x 4,00	253,80	200	60	24,00	32,0
MF40,00 x 1,50	277,67	170	30	24,00	32,0
MF40,00 x 3,00	342,94	200	60	24,00	32,0
MF42,00 x 1,50	282,26	170	30	24,00	32,0
M42,00 x 4,50	326,29	200	60	24,00	32,0
MF45,00 x 1,50	345,62	180	32	29,00	36,0
M45,00 x 4,50	356,44	220	65	29,00	36,0
M48,00 x 5,00	438,30	250	70	29,00	36,0
MF50,00 x 1,50	421,25	190	32	29,00	36,0
M52,00 x 5,00	448,69	250	70	32,00	40,0

2111

HSSE DIN 371



M
DIN 13

Form.
B
"Gun"



Tol.
6H



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M3 x 0,50	26,64	100	11	2,70	3,5
M4 x 0,70	26,64	100	13	3,40	4,5
M5 x 0,80	30,09	120	16	4,90	6,0
M6 x 1,00	30,09	120	19	4,90	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M8 x 1,25	39,72	150	22	6,20	8,0
M10 x 1,50	48,21	150	24	8,00	10,0
M12 x 1,75	54,18	150	29	9,00	12,0

2110

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6H
+0,1



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M3 x 0,50	18,41	56	11	2,70	3,5
M4 x 0,70	18,80	63	13	3,40	4,5
M5 x 0,80	18,85	70	16	4,90	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M6 x 1,00	21,42	80	19	4,90	6,0
M8 x 1,25	24,11	90	22	6,20	8,0
M10 x 1,50	30,36	100	24	8,00	10,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2109

HSSE DIN 376

M
DIN 13

Form.
B
"Gun"



Tol.
6H
+0,1

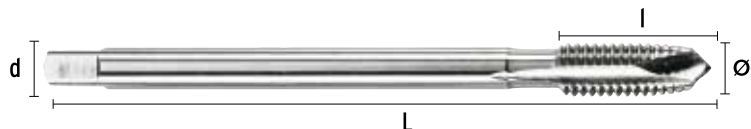
D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	Ø mm	d mm
M8 x 1,25	24,11	90	22	4,90	6,0
M10 x 1,50	30,36	100	24	5,50	7,0
M12 x 1,75	38,77	110	29	7,00	9,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
M14 x 2,00	48,67	110	30	9,00	11,0
M16 x 2,00	58,89	110	30	9,00	12,0

2168

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6G

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	Ø mm	d mm
M3 x 0,50	18,20	56	11	2,70	3,5
M4 x 0,70	18,20	63	13	3,40	4,5
M5 x 0,80	18,20	70	16	4,90	6,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
M6 x 1,00	18,35	80	19	4,90	6,0
M8 x 1,25	22,02	90	22	6,20	8,0
M10 x 1,50	25,88	100	24	8,00	10,0

2169

HSSE DIN 376

M
DIN 13

Form.
B
"Gun"



Tol.
6G

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	Ø mm	d mm
M8 x 1,25	22,02	90	22	4,90	6,0
M10 x 1,50	25,88	100	24	5,50	7,0
M12 x 1,75	32,34	110	29	7,00	9,0
M14 x 2,00	40,56	110	30	9,00	11,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
M16 x 2,00	49,07	110	30	9,00	12,0
M18 x 2,50	67,40	125	34	11,00	14,0
M20 x 2,50	70,46	140	34	12,00	16,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2250

HSSE DIN 371

M
DIN 13

MF
DIN 13

Form.
B
"Gun"



Tol.
6H



VAP

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000 N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	∠ mm	d mm
M3,00x0,50	12,96	56	11	2,70	3,5
M4,00x0,70	13,27	63	13	3,40	4,5
M5,00x0,80	13,28	70	16	4,90	6,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
M6,00x1,00	14,57	80	19	4,90	6,0
M8,00x1,25	16,07	90	22	6,20	8,0
M10,00x1,50	19,73	100	24	8,00	10,0

2251

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
B
"Gun"



Tol.
6H



VAP

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000 N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	∠ mm	d mm
MF8,00x1,00	21,13	90	22	4,90	6,0
M8,00x1,25	16,07	90	22	4,90	6,0
MF10,00x1,00	23,53	90	20	5,50	7,0
MF10,00x1,25	28,03	100	24	5,50	7,0
M10,00x1,50	19,73	100	24	5,50	7,0
MF12,00x1,00	32,08	100	22	7,00	9,0
MF12,00x1,25	32,41	100	22	7,00	9,0
MF12,00x1,50	33,22	100	22	7,00	9,0
M12,00x1,75	25,18	110	29	7,00	9,0
MF14,00x1,25	42,03	100	22	9,00	11,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
MF14,00x1,50	33,45	100	22	9,00	11,0
M14,00x2,00	33,15	110	30	9,00	11,0
MF16,00x1,50	41,68	100	22	9,00	12,0
M16,00x2,00	40,72	110	30	9,00	12,0
MF18,00x1,50	54,69	125	34	11,00	14,0
M18,00x2,50	55,34	125	34	11,00	14,0
MF20,00x1,50	61,90	125	25	12,00	16,0
M20,00x2,50	59,70	140	34	12,00	16,0
M22,00x2,50	75,66	140	34	14,50	18,00
M24,00x3,00	90,13	160	38	14,50	18,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2116

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6H



TIN

Aceros 400 - 800 N/mm²

Aciers / Steel

800
N/mm²

F

AL

CU

PL

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	Ø mm	d mm
M3 x 0,50	16,21	56	11	2,70	3,5
M4 x 0,70	17,32	63	13	3,40	4,5
M5 x 0,80	17,33	70	16	4,90	6,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
M6 x 1,00	18,49	80	19	4,90	6,0
M8 x 1,25	21,40	90	22	6,20	8,0
M10 x 1,50	28,07	100	24	8,00	10,0

2115

HSSE DIN 376/374

M
DIN 13

Form.
B
"Gun"



Tol.
6H



TIN

Aceros 400 - 800 N/mm²

Aciers / Steel

800
N/mm²

F

AL

CU

PL

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	Ø mm	d mm
MF8,00x1,00	25,92	90	22	4,90	6,0
M8,00x1,25	21,40	90	22	4,90	6,0
MF10,00x1,00	31,46	90	20	5,50	7,0
MF10,00x1,25	35,48	100	24	5,50	7,0
M10,00x1,50	28,07	100	24	5,50	7,0
MF12,00x1,00	40,16	100	22	7,00	9,0
MF12,00x1,25	37,82	100	22	7,00	9,0
MF12,00x1,50	38,57	100	22	7,00	9,0
M12,00x1,75	33,99	100	29	7,00	9,0
MF14,00x1,25	62,68	100	22	9,00	11,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
MF14,00x1,50	42,93	100	22	9,00	11,0
M14,00x2,00	42,66	110	30	9,00	11,0
MF16,00x1,50	51,57	100	22	9,00	12,0
M16,00x2,00	50,72	110	30	9,00	12,0
MF18,00x1,50	63,02	125	34	11,00	14,0
M18,00x2,50	63,77	125	34	11,00	14,0
MF20,00x1,50	69,62	125	25	12,00	16,0
M20,00x2,50	67,66	140	34	12,00	16,0
M22,00x2,50	81,92	140	34	14,50	18,00
M24,00x3,00	94,82	160	38	14,50	18,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2126

HSSE-PM DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6H



TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel

Ti F

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	mm	d mm
M3 x 0,50	24,45	56	11	2,70	3,5
M4 x 0,70	24,73	63	13	3,40	4,5
M5 x 0,80	26,70	70	14	4,90	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M6 x 1,00	27,57	80	18	4,90	6,0
M8 x 1,25	33,01	90	20	6,20	8,0
M10 x 1,50	43,43	100	20	8,00	10,0

2125

HSSE-PM DIN 376/374

M
DIN 13

Form.
B
"Gun"



Tol.
6H



TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel

Ti F

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	mm	d mm
MF8,00x1,00	42,50	90	22	4,90	6,0
M8,00x1,25	37,99	90	22	4,90	6,0
MF10,00x1,00	51,18	90	20	5,50	7,0
MF10,00x1,25	55,20	100	24	5,50	7,0
M10,00x1,50	47,79	100	24	5,50	7,0
MF12,00x1,00	66,55	100	22	7,00	9,0
MF12,00x1,25	66,86	100	22	7,00	9,0
MF12,00x1,50	67,42	100	22	7,00	9,0
M12,00x1,75	60,40	110	29	7,00	9,0
MF14,00x1,25	101,36	100	22	9,00	11,0

Ø x P mm	€	L mm	l mm	mm	d mm
MF14,00x1,50	80,20	100	22	9,00	11,0
M14,00x2,00	79,93	110	30	9,00	11,0
MF16,00x1,50	87,38	100	22	9,00	12,0
M16,00x2,00	86,52	110	30	9,00	12,0
MF18,00x1,50	111,60	125	34	11,00	14,0
M18,00x2,50	112,93	125	34	11,00	14,0
MF20,00x1,50	123,17	125	25	12,00	16,0
M20,00x2,50	121,20	140	34	12,00	16,0
M22,00x2,50	135,46	140	34	14,50	18,00
M24,00x3,00	148,37	160	38	14,50	18,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2176

HSSE-PM DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6HX

R

TICN

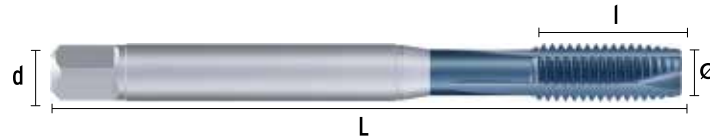
Aceros 1100 - 1400 N/mm²

Aciers / Steel

TI 1100 N/mm² INOX F PL

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	34,74	56	5	2,70	3,5
M4 x 0,70	34,74	63	13	3,40	4,5
M5 x 0,80	31,45	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	32,31	80	18	4,90	6,0
M8 x 1,25	38,46	90	20	6,20	8,0
M10 x 1,50	50,39	100	20	8,00	10,0

2175

HSSE-PM DIN 376

M
DIN 13

Form.
B
"Gun"



Tol.
6HX

D

TICN

Aceros 1100 - 1400 N/mm²

Aciers / Steel

TI 1100 N/mm² INOX F PL

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	mm	d mm
M8 x 1,25	42,28	90	22	4,90	6,0
M10 x 1,50	55,43	100	24	5,50	7,0
M12 x 1,75	70,36	110	29	7,00	9,0
M14 x 2,00	97,47	110	30	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	101,12	110	32	9,00	12,0
M18 x 2,50	146,52	125	34	11,00	14,0
M20 x 2,50	165,10	140	34	12,00	16,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2122

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6H



VAP

Aceros inox

Aciers inox / Stainless Steel

800 N/mm² 1100 N/mm² T1

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	Ø mm	d mm
M3 x 0,50	17,17	56	11	2,70	3,5
M4 x 0,70	17,17	63	13	3,40	4,5
M5 x 0,80	17,17	70	14	4,90	6,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
M6 x 1,00	18,86	80	19	4,90	6,0
M8 x 1,25	21,47	90	22	6,20	8,0
M10 x 1,50	25,20	100	24	8,00	10,0

2121

HSSE DIN 376/374

M
DIN 13

Form.
B
"Gun"



Tol.
6H



VAP

Aceros inox

Aciers inox / Stainless Steel

800 N/mm² 1100 N/mm² T1

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	Ø mm	d mm
MF8,00x1,00	25,99	90	22	4,90	6,0
M8,00x1,25	21,47	90	22	4,90	6,0
MF10,00x1,00	28,59	90	20	5,50	7,0
MF10,00x1,25	32,61	100	24	5,50	7,0
M10,00x1,50	25,20	100	24	5,50	7,0
MF12,00x1,00	39,00	100	22	7,00	9,0
MF12,00x1,25	39,30	100	22	7,00	9,0
MF12,00x1,50	39,62	100	22	7,00	9,0
M12,00x1,75	32,84	110	29	7,00	9,0
MF14,00x1,25	53,05	100	22	9,00	11,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
MF14,00x1,50	42,09	100	22	9,00	11,0
M14,00x2,00	41,83	110	30	9,00	11,0
MF16,00x1,50	50,08	100	22	9,00	12,0
M16,00x2,00	49,22	110	30	9,00	12,0
MF18,00x1,50	69,00	125	34	11,00	14,0
M18,00x2,50	69,83	125	34	11,00	14,0
MF20,00x1,50	103,82	125	25	12,00	16,0
M20,00x2,50	75,32	140	34	12,00	16,0
M22,00x2,50	81,34	140	34	14,50	18,00
M24,00x3,00	87,85	160	38	14,50	18,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2219

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6H



TIN

Aceros inox

Aciers inox / Stainless Steel

800 N/mm² 1100 N/mm² T1

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	21,29	56	11	2,70	3,5
M4 x 0,70	22,08	63	13	3,40	4,5
M5 x 0,80	22,08	70	16	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	23,78	80	19	4,90	6,0
M8 x 1,25	27,45	90	22	6,20	8,0
M10 x 1,50	33,85	100	24	8,00	10,0

2220

HSSE DIN 376/374

M
DIN 13

Form.
B
"Gun"



Tol.
6H



TIN

Aceros inox

Aciers inox / Stainless Steel

800 N/mm² 1100 N/mm² T1

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	mm	d mm
MF8,00x1,00	31,96	90	22	4,90	6,0
M8,00x1,25	27,45	90	22	4,90	6,0
MF10,00x1,00	37,25	90	20	5,50	7,0
MF10,00x1,25	41,27	100	24	5,50	7,0
M10,00x1,50	33,85	100	24	5,50	7,0
MF12,00x1,00	46,51	100	22	7,00	9,0
MF12,00x1,25	46,81	100	22	7,00	9,0
MF12,00x1,50	47,13	100	22	7,00	9,0
M12,00x1,75	40,36	110	29	7,00	9,0
MF14,00x1,25	62,91	100	22	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
MF14,00x1,50	49,87	100	22	9,00	11,0
M14,00x2,00	49,61	110	30	9,00	11,0
MF16,00x1,50	57,05	100	22	9,00	12,0
M16,00x2,00	56,20	110	30	9,00	12,0
MF18,00x1,50	75,79	125	34	11,00	14,0
M18,00x2,50	76,69	125	34	11,00	14,0
MF20,00x1,50	119,07	125	25	12,00	16,0
M20,00x2,50	90,56	140	34	12,00	16,0
M22,00x2,50	96,59	140	34	14,50	18,00
M24,00x3,00	103,09	160	38	14,50	18,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2133

HSSE DIN 371

M
DIN 13

B-AZ



Tol.
6H

R

Aluminio

Aluminium

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	18,68	56	11	2,70	3,5
M4 x 0,70	18,68	63	13	3,40	4,5
M5 x 0,80	18,68	70	16	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6 x 1,00	19,67	80	19	4,90	6,0
M8 x 1,25	23,53	90	22	6,20	8,0
M10 x 1,50	27,72	100	24	8,00	10,0

2132

HSSE DIN 376

M
DIN 13

B-AZ



Tol.
6H

D

Aluminio

Aluminium

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M4 x 0,70	18,68	63	13	2,10	2,8
M5 x 0,80	18,68	70	16	2,70	3,5
M6 x 1,00	19,67	80	19	3,40	4,5
M8 x 1,25	23,53	90	22	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M10 x 1,50	27,72	100	24	5,50	7,0
M12 x 1,75	34,98	110	29	7,00	9,0
M14 x 2,00	43,56	110	30	9,00	11,0
M16 x 2,00	57,76	110	30	9,00	12,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2184

HSSE DIN 371

M
DIN 13

B-AZ



Tol.
6H

R

CrN

Aluminio

Aluminium

Aplicaciones / Applications

MICRO FINISH
TAPPING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	26,44	56	11	2,70	3,5
M4 x 0,70	27,40	63	13	3,40	4,5
M5 x 0,80	27,73	70	16	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6 x 1,00	28,74	80	19	4,90	6,0
M8 x 1,25	33,89	90	22	6,20	8,0
M10 x 1,50	38,99	100	24	8,00	10,0

2183

HSSE DIN 376

M
DIN 13

B-AZ



Tol.
6H

D

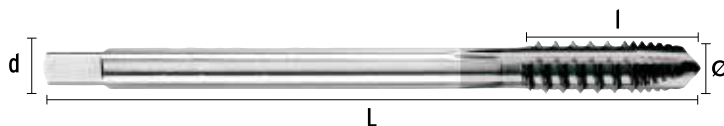
CrN

Aluminio

Aluminium

Aplicaciones / Applications

MICRO FINISH
TAPPING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M4 x 0,70	27,40	63	13	2,10	2,8
M5 x 0,80	27,73	70	16	2,70	3,5
M6 x 1,00	28,74	80	19	3,40	4,5
M8 x 1,25	33,89	90	22	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M10 x 1,50	38,99	100	24	5,50	7,0
M12 x 1,75	47,21	110	29	7,00	9,0
M14 x 2,00	57,33	110	30	9,00	11,0
M16 x 2,00	73,69	110	30	9,00	12,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2254

HSSE-PM DIN 371 MULTI

M
DIN 13

Form.
B
"Gun"



Tol.
6HX



HL

Aceros 800-1100 N/mm²
Aciers / Steel

Inox /
Inox / Stainless

Aluminio /
Aluminium / Aluminium

Titanio /
Titane / Titanium

Fundición /
Fonte / Cast Iron

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	∠ mm	d mm
M3,00x0,50	29,86	56	5	2,70	3,5
M4,00x0,70	31,47	63	7	3,40	4,5
M5,00x0,80	34,14	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
M6,00x1,00	35,41	80	10	4,90	6,0
M8,00x1,25	42,51	90	13	6,20	8,0
M10,00x1,50	55,93	100	15	8,00	10,0

2255

HSSE-PM DIN 376 MULTI

M
DIN 13

Form.
B
"Gun"



Tol.
6HX



HL

Aceros 800-1100 N/mm²
Aciers / Steel

Inox /
Inox / Stainless

Aluminio /
Aluminium / Aluminium

Titanio /
Titane / Titanium

Fundición /
Fonte / Cast Iron

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	∠ mm	d mm
M12,00x1,75	82,39	110	18	7,00	9,0
M14,00x2,00	107,97	110	20	9,00	11,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
M16,00x2,00	116,15	110	20	9,00	12,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2258

HSSE-PM DIN 371 SYNCHRO

M
DIN 13

Form.
B
"Gun"



Tol.
6HX

CNC



HL

Aceros 800-1100 N/mm²
Aciers / Steel

Inox /
Inox / Stainless

Aluminio /
Aluminium / Aluminium

Titanio /
Titane / Titanium

Fundición /
Fonte / Cast Iron

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3,00x0,50	22,47	56	5	2,70	3,5
M4,00x0,70	24,95	63	7	3,40	4,5
M5,00x0,80	26,07	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6,00x1,00	27,14	80	10	4,90	6,0
M8,00x1,25	32,83	90	13	6,20	8,0
M10,00x1,50	43,19	100	15	8,00	10,0

2259

HSSE-PM DIN 376 SYNCHRO

M
DIN 13

Form.
B
"Gun"



Tol.
6HX

CNC



HL

Aceros 800-1100 N/mm²
Aciers / Steel

Inox /
Inox / Stainless

Aluminio /
Aluminium / Aluminium

Titanio /
Titane / Titanium

Fundición /
Fonte / Cast Iron

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M12,00x1,75	64,25	110	18	7,00	9,0
M14,00x2,00	86,86	110	20	9,00	11,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M16,00x2,00	91,43	110	20	9,00	12,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2106

HSSE DIN 371

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6HX



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
M2,00 x 0,40	32,13	45	5	2,10	2,8
M2,50 x 0,45	32,13	50	5	2,10	2,8
M2,60 x 0,45	32,13	50	5	2,10	2,8
M3,00 x 0,50	14,28	56	6	2,70	3,5
M3,50 x 0,60	17,62	56	6	3,00	4,0
M4,00 x 0,70	14,28	63	7	3,40	4,5

Ø x P mm	€	L mm	I mm	∠ mm	d mm
M4,50 x 0,75	24,32	70	7	4,90	6,0
M5,00 x 0,80	13,80	70	8	4,90	6,0
M6,00 x 1,00	15,13	80	10	4,90	6,0
M7,00 x 1,00	18,52	80	10	5,50	7,0
M8,00 x 1,25	18,04	90	14	6,20	8,0
M10,00 x 1,50	20,98	100	16	8,00	10,0

2105

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
M3,00 x 0,50	14,28	56	6	2,00	2,2
M4,00 x 0,70	14,28	63	7	2,10	2,8
M5,00 x 0,80	13,80	70	8	2,70	3,5
M6,00 x 1,00	15,13	80	10	3,40	4,5
M7,00 x 1,00	18,52	80	10	4,30	5,5
MF8,00 x 1,00	22,32	90	14	4,90	6,0
M8,00 x 1,25	18,04	90	14	4,90	6,0
MF9,00 x 1,00	28,76	90	14	5,50	7,0
M9,00 x 1,25	27,40	90	14	5,50	7,0
MF10,00 x 1,00	26,35	90	10	5,50	7,0
MF10,00 x 1,25	28,65	100	16	5,50	7,0
M10,00 x 1,50	20,98	100	16	5,50	7,0
MF11,00 x 1,00	83,90	90	11	6,20	8,0
MF11,00 x 1,25	74,84	100	16	6,20	8,0
M11,00 x 1,50	61,13	100	16	6,20	8,0
MF12,00 x 1,00	33,89	100	15	7,00	9,0
MF12,00 x 1,25	32,41	100	15	7,00	9,0
MF12,00 x 1,50	31,21	100	15	7,00	9,0
M12,00 x 1,75	28,02	110	18	7,00	9,0
MF14,00 x 1,00	54,72	100	15	9,00	11,0
MF14,00 x 1,25	46,73	100	15	9,00	11,0
MF14,00 x 1,50	35,19	100	15	9,00	11,0
M14,00 x 2,00	35,97	110	20	9,00	11,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
MF15,00 x 1,50	52,58	100	15	9,00	12,0
MF16,00 x 1,00	114,60	100	15	9,00	12,0
MF16,00 x 1,25	95,11	100	15	9,00	12,0
MF16,00 x 1,50	45,92	100	15	9,00	12,0
M16,00 x 2,00	43,44	110	20	9,00	12,0
MF18,00 x 1,50	58,13	110	22	11,00	14,0
MF18,00 x 2,00	109,55	125	25	11,00	14,0
M18,00 x 2,50	58,41	125	25	11,00	14,0
MF20,00 x 1,50	66,43	125	22	12,00	16,0
M20,00 x 2,50	62,23	140	25	12,00	16,0
MF22,00 x 1,50	71,69	125	22	14,50	18,0
M22,00 x 2,50	76,74	140	25	14,50	18,0
MF24,00 x 1,50	97,41	140	25	14,50	18,0
M24,00 x 3,00	93,69	160	30	14,50	18,0
MF26,00 x 1,50	105,18	140	25	14,50	18,0
MF27,00 x 1,50	120,21	140	25	16,00	20,0
M27,00 x 3,00	114,75	160	30	16,00	20,0
MF28,00 x 1,50	120,21	140	25	16,00	20,0
MF30,00 x 1,50	149,78	150	25	18,00	22,0
MF30,00 x 2,00	316,44	150	25	18,00	22,0
M30,00 x 3,50	147,03	180	35	18,00	22,0
M33,00 x 3,50	176,66	180	35	20,00	25,0
M36,00 x 4,00	238,39	200	40	22,00	28,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2112

HSSE DIN 371



M
DIN 13

Form.
C



Tol.
6H



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	31,47	100	6	2,70	3,5
M4 x 0,70	31,47	100	7	3,40	4,5
M5 x 0,80	36,29	120	8	4,90	6,0
M6 x 1,00	36,29	120	10	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M8 x 1,25	45,94	150	14	6,20	8,0
M10 x 1,50	55,57	150	16	8,00	10,0
M12 x 1,75	57,83	150	18	9,00	12,0

2166

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H
+0,1



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	23,06	56	6	2,70	3,5
M4 x 0,70	23,06	63	7	3,40	4,5
M5 x 0,80	22,26	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6 x 1,00	24,41	80	10	4,90	6,0
M8 x 1,25	29,13	90	14	6,20	8,0
M10 x 1,50	34,54	110	16	8,00	10,0

2165

HSSE DIN 376

M
DIN 13

Form.
C



Tol.
6H
+0,1



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M8 x 1,25	29,13	90	14	4,90	6,0
M10 x 1,50	34,54	100	16	5,50	7,0
M12 x 1,75	38,77	110	18	7,00	9,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M14 x 2,00	55,50	110	20	9,00	11,0
M16 x 2,00	67,01	110	20	9,00	12,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2170

HSSE DIN 371

M

DIN 13

Form.

C



Tol.

6G



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1000 N/mm²

Aplicaciones / Applications



Ø x P

mm

€

L

mm

l

mm



mm

d

mm

M3 x 0,50

20,05

56

5

2,70

3,5

M4 x 0,70

20,05

63

7

3,40

4,5

M5 x 0,80

19,33

70

8

4,90

6,0

Ø x P

mm

€

L

mm

l

mm



mm

d

mm

M6 x 1,00

21,21

80

10

4,90

6,0

M8 x 1,25

25,32

90

14

6,20

8,0

M10 x 1,50

30,01

100

16

8,00

10,0

2208

HSSE DIN 376

M

DIN 13

Form.

C



Tol.

6G



R

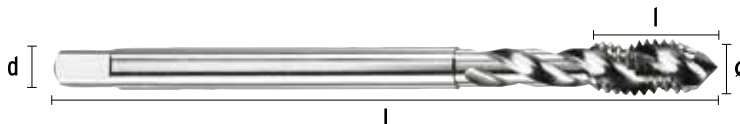
Aceros 400 - 800 N/mm²

Aciers / Steel

F

1000 N/mm²

Aplicaciones / Applications



Ø x P

mm

€

L

mm

l

mm



mm

d

mm

M8 x 1,25

25,32

90

13

4,90

6,0

M10 x 1,50

30,01

100

16

5,50

7,0

M12 x 1,75

40,05

110

18

7,00

9,0

M14 x 2,00

46,26

110

20

9,00

11,0

Ø x P

mm

€

L

mm

l

mm



mm

d

mm

M16 x 2,00

55,86

110

20

9,00

12,0

M18 x 2,50

76,10

125

25

11,00

14,0

M20 x 2,50

80,06

140

25

12,00

16,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2108

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M2,00 x 0,40	18,06	45	8	2,10	2,8
M3,00 x 0,50	15,15	56	11	2,70	3,5
M4,00 x 0,70	14,54	63	13	3,40	4,5
M5,00 x 0,80	14,02	70	14	4,90	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M6,00 x 1,00	15,37	80	19	4,90	6,0
M7,00 x 1,00	18,64	80	19	5,50	7,0
M8,00 x 1,25	18,36	90	22	6,20	8,0
M10,00 x 1,50	21,75	100	24	8,00	10,0

2107

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M4,00 x 0,70	14,41	63	13	2,10	2,8
M5,00 x 0,80	13,92	70	16	2,70	3,5
M6,00 x 0,70	15,37	80	19	3,40	4,5
M7,00 x 0,80	18,64	80	19	4,30	5,5
M8,00 x 0,70	18,36	90	22	4,90	6,0
M10,00 x 0,80	21,75	100	24	5,50	7,0
M12,00 x 0,70	29,05	110	29	7,00	9,0
M14,00 x 0,80	34,54	110	30	9,00	11,0

Ø x P mm	€	L mm	l mm	mm	d mm
M16,00 x 2,00	41,73	110	30	9,00	12,0
M18,00 x 2,50	56,14	125	34	11,00	14,0
M20,00 x 2,50	59,81	140	34	12,00	16,0
M22,00 x 2,50	73,76	140	34	14,50	18,0
M24,00 x 3,00	89,62	160	38	14,50	18,0
M27,00 x 3,00	110,31	160	38	16,00	20,0
M30,00 x 3,50	141,33	180	45	18,00	22,0
M36,00 x 4,00	227,90	200	56	22,00	28,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2252

HSSE DIN 371

M
DIN 13

MF
DIN 13

Form.
C

Tol.
6H

35°

R

VAP

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3,00x0,50	16,01	56	6	2,70	3,5
M4,00x0,70	16,01	63	7	3,40	4,5
M5,00x0,80	15,46	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6,00x1,00	16,94	80	10	4,90	6,0
M8,00x1,25	20,21	90	14	6,20	8,0
M10,00x1,50	23,51	100	16	8,00	10,0

2253

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
C

Tol.
6H

35°

D

VAP

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
MF8,00x1,00	25,01	90	14	4,90	6,0
M8,00x1,25	20,21	90	14	4,90	6,0
MF10,00x1,00	29,52	90	10	5,50	7,0
MF10,00x1,25	32,09	100	16	5,50	7,0
M10,00x1,50	23,51	100	16	5,50	7,0
MF12,00x1,00	37,95	100	15	7,00	9,0
MF12,00x1,25	36,31	100	15	7,00	9,0
MF12,00x1,50	36,92	100	15	7,00	9,0
M12,00x1,75	31,38	110	18	7,00	9,0
MF14,00x1,25	52,33	100	22	9,00	11,00

Ø x P mm	€	L mm	l mm	∠ mm	d mm
MF14,00x1,50	39,41	100	15	9,00	11,0
M14,00x2,00	40,29	110	20	9,00	11,0
MF16,00x1,50	51,43	100	15	9,00	12,0
M16,00x2,00	48,65	110	20	9,00	12,0
MF18,00x1,50	65,10	125	34	11,00	14,0
M18,00x2,50	65,42	125	25	11,00	14,0
MF20,00x1,50	74,40	125	22	12,00	16,0
M20,00x2,50	69,70	140	25	12,00	16,0
M22,00x2,50	85,94	140	25	14,50	18,00
M24,00x3,00	104,93	160	30	14,50	18,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2118

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H



Aceros 400 - 800 N/mm²

Aciers / Steel

800
N/mm²

F

AL

CU

PL

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	19,15	56	6	2,70	3,5
M4 x 0,70	20,03	63	7	3,40	4,5
M5 x 0,80	19,55	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6 x 1,00	20,87	80	10	4,90	6,0
M8 x 1,25	25,43	90	14	6,20	8,0
M10 x 1,50	31,93	100	16	8,00	10,0

2117

HSSE DIN 376/374

M
DIN 13

Form.
C



Tol.
6H



Aceros 400 - 800 N/mm²

Aciers / Steel

800
N/mm²

F

AL

CU

PL

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
MF8,00x1,00	29,71	90	14	4,90	6,0
M8,00x1,25	25,43	90	14	4,90	6,0
MF10,00x1,00	37,30	90	10	5,50	7,0
MF10,00x1,25	39,60	100	16	5,50	7,0
M10,00x1,50	31,93	100	16	5,50	7,0
MF12,00x1,00	45,95	100	15	7,00	9,0
MF12,00x1,25	44,48	100	15	7,00	9,0
MF12,00x1,50	45,69	100	15	7,00	9,0
M12,00x1,75	40,09	110	18	7,00	9,0
MF14,00x1,25	64,50	100	22	9,00	11,00

Ø x P mm	€	L mm	l mm	∠ mm	d mm
MF14,00x1,50	48,88	100	15	9,00	11,0
M14,00x2,00	49,66	110	20	9,00	11,0
MF16,00x1,50	60,97	100	15	9,00	12,0
M16,00x2,00	58,49	110	20	9,00	12,0
MF18,00x1,50	73,10	125	34	11,00	14,0
M18,00x2,50	73,46	125	25	11,00	14,0
MF20,00x1,50	81,46	125	22	12,00	16,0
M20,00x2,50	77,28	140	25	12,00	16,0
M22,00x2,50	91,77	140	25	14,50	18,00
M24,00x3,00	108,73	160	30	14,50	18,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2124

HSSE-PM DIN 371

M
DIN 13

Form.
C



Tol.
6H



R

TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel

Ti F

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	26,46	56	5	2,70	3,5
M4 x 0,70	26,88	63	7	3,40	4,5
M5 x 0,80	29,01	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6 x 1,00	29,89	80	10	4,90	6,0
M8 x 1,25	38,51	90	13	6,20	8,0
M10 x 1,50	46,68	100	15	8,00	10,0

2123

HSSE-PM DIN 376/374

M
DIN 13

Form.
C



Tol.
6H



D

TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel

Ti F

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
MF8,00x1,00	42,79	90	14	4,90	6,0
M8,00x1,25	38,51	90	14	4,90	6,0
MF10,00x1,00	52,06	90	10	5,50	7,0
MF10,00x1,25	54,35	100	16	5,50	7,0
M10,00x1,50	46,68	100	16	5,50	7,0
MF12,00x1,00	77,51	100	15	7,00	9,0
MF12,00x1,25	76,03	100	15	7,00	9,0
MF12,00x1,50	77,58	100	15	7,00	9,0
M12,00x1,75	71,65	110	18	7,00	9,0
MF14,00x1,25	112,15	100	22	9,00	11,00

Ø x P mm	€	L mm	l mm	∠ mm	d mm
MF14,00x1,50	85,56	100	15	9,00	11,0
M14,00x2,00	86,34	110	20	9,00	11,0
MF16,00x1,50	96,01	100	15	9,00	12,0
M16,00x2,00	93,52	110	20	9,00	12,0
MF18,00x1,50	118,34	125	34	11,00	14,0
M18,00x2,50	118,91	125	25	11,00	14,0
MF20,00x1,50	131,56	125	22	12,00	16,0
M20,00x2,50	127,36	140	25	12,00	16,0
M22,00x2,50	141,87	140	25	14,50	18,00
M24,00x3,00	158,82	160	30	14,50	18,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2178

HSSE-PM DIN 371

M
DIN 13

Form.
C



Tol.
6HX



R

TICN

Aceros 1100 - 1400 N/mm²

Aciers / Steel

TI 1100 INOX F PL

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	Ø mm	d mm
M3 x 0,50	29,60	56	11	2,70	3,5
M4 x 0,70	29,60	63	13	3,40	4,5
M5 x 0,80	31,45	70	15	4,90	6,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
M6 x 1,00	33,65	80	17	4,90	6,0
M8 x 1,25	38,51	90	20	6,20	8,0
M10 x 1,50	50,39	100	20	8,00	10,0

2177

HSSE-PM DIN 376

M
DIN 13

Form.
C



Tol.
6HX



D

TICN

Aceros 1100 - 1400 N/mm²

Aciers / Steel

TI 1100 INOX F PL

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	Ø mm	d mm
M8 x 1,25	42,28	90	22	4,90	6,0
M10 x 1,50	55,43	100	24	5,50	7,0
M12 x 1,75	70,31	110	29	7,00	9,0
M14 x 2,00	97,47	110	30	9,00	11,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
M16 x 2,00	101,05	110	32	9,00	12,0
M18 x 2,50	137,76	125	34	11,00	14,0
M20 x 2,50	154,22	140	34	12,00	16,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2120

HSSE DIN 371

M
DIN 13

Form.
C

Tol.
6H

35°

R

VAP

Aceros inox

Aciers inox / Stainless Steel

800 1100
N/mm² N/mm² TI

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	18,86	56	6	2,70	3,5
M4 x 0,70	18,86	63	7	3,40	4,5
M5 x 0,80	18,86	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6 x 1,00	20,14	80	10	4,90	6,0
M8 x 1,25	23,65	90	14	6,20	8,0
M10 x 1,50	28,86	100	16	8,00	10,0

2119

HSSE DIN 376/374

M
DIN 13

Form.
C

Tol.
6H

35°

D

VAP

Aceros inox

Aciers inox / Stainless Steel

800 1100
N/mm² N/mm² TI

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
MF8,00x1,00	27,93	90	14	4,90	6,0
M8,00x1,25	23,65	90	14	4,90	6,0
MF10,00x1,00	34,23	90	10	5,50	7,0
MF10,00x1,25	36,53	100	16	5,50	7,0
M10,00x1,50	28,86	100	16	5,50	7,0
MF12,00x1,00	44,89	100	15	7,00	9,0
MF12,00x1,25	43,42	100	15	7,00	9,0
MF12,00x1,50	44,99	100	15	7,00	9,0
M12,00x1,75	39,03	110	18	7,00	9,0
MF14,00x1,25	63,02	100	22	9,00	11,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
MF14,00x1,50	47,74	100	15	9,00	11,0
M14,00x2,00	48,52	110	20	9,00	11,0
MF16,00x1,50	61,12	100	15	9,00	12,0
M16,00x2,00	58,64	110	20	9,00	12,0
MF18,00x1,50	78,27	125	34	11,00	14,0
M18,00x2,50	78,81	125	25	11,00	14,0
MF20,00x1,50	88,18	125	22	12,00	16,0
M20,00x2,50	83,98	140	25	12,00	16,0
M22,00x2,50	89,49	140	25	14,50	18,00
M24,00x3,00	94,87	160	30	14,50	18,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2221

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H



Aceros inox

Aciers inox / Stainless Steel

800
N/mm²

1100
N/mm²

Ti

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	Ø mm	d mm
M3 x 0,50	22,97	56	6	2,70	3,5
M4 x 0,70	23,78	63	7	3,40	4,5
M5 x 0,80	23,78	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
M6 x 1,00	25,04	80	10	4,90	6,0
M8 x 1,25	29,63	90	14	6,20	8,0
M10 x 1,50	37,51	100	16	8,00	10,0

2222

HSSE DIN 376/374

M
DIN 13

Form.
C



Tol.
6H



Aceros inox

Aciers inox / Stainless Steel

800
N/mm²

1100
N/mm²

Ti

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	Ø mm	d mm
MF8,00x1,00	33,92	90	14	4,90	6,0
M8,00x1,25	29,64	90	14	4,90	6,0
MF10,00x1,00	63,88	90	10	5,50	7,0
MF10,00x1,25	66,18	100	16	5,50	7,0
M10,00x1,50	37,52	100	16	5,50	7,0
MF12,00x1,00	52,41	100	15	7,00	9,0
MF12,00x1,25	50,93	100	15	7,00	9,0
MF12,00x1,50	52,32	100	15	7,00	9,0
M12,00x1,75	46,55	110	18	7,00	9,0
MF14,00x1,25	73,13	100	22	9,00	11,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
MF14,00x1,50	55,52	100	15	9,00	11,0
M14,00x2,00	56,30	110	20	9,00	11,0
MF16,00x1,50	68,09	100	15	9,00	12,0
M16,00x2,00	65,61	110	20	9,00	12,0
MF18,00x1,50	85,26	125	34	11,00	14,0
M18,00x2,50	85,66	125	25	11,00	14,0
MF20,00x1,50	103,43	125	22	12,00	16,0
M20,00x2,50	99,23	140	25	12,00	16,0
M22,00x2,50	104,74	140	25	14,50	18,00
M24,00x3,00	110,11	160	30	14,50	18,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2182

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H



R

Aluminio

Aluminium

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	mm	d mm
M3 x 0,50	16,91	56	11	2,70	3,5
M4 x 0,70	16,91	63	13	3,40	4,5
M5 x 0,80	17,25	70	16	4,90	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M6 x 1,00	18,71	80	19	4,90	6,0
M8 x 1,25	22,34	90	22	6,20	8,0
M10 x 1,50	26,39	100	24	8,00	10,0

2181

HSSE DIN 376

M
DIN 13

Form.
C



Tol.
6H



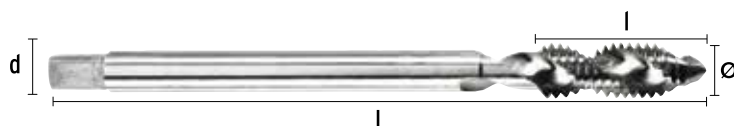
D

Aluminio

Aluminium

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	mm	d mm
M6 x 1,00	18,71	80	19	3,40	4,5
M8 x 1,25	22,34	90	22	4,90	6,0
M10 x 1,50	26,39	100	24	5,50	7,0

Ø x P mm	€	L mm	l mm	mm	d mm
M12 x 1,75	31,38	110	29	7,00	9,0
M14 x 2,00	45,87	110	30	9,00	11,0
M16 x 2,00	61,86	110	30	9,00	12,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2186

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H



R

CrN

Aluminio

Aluminium

Aplicaciones / Applications

MICRO FINISH
TAP DRILLING TECHNOLOGY



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	24,67	56	11	2,70	3,5
M4 x 0,70	25,63	63	13	3,40	4,5
M5 x 0,80	26,32	70	16	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	27,78	80	19	4,90	6,0
M8 x 1,25	32,72	90	22	6,20	8,0
M10 x 1,50	37,66	100	24	8,00	10,0

2185

HSSE DIN 376

M
DIN 13

Form.
C



Tol.
6H



D

CrN

Aluminio

Aluminium

Aplicaciones / Applications

MICRO FINISH
TAP DRILLING TECHNOLOGY



Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	27,78	80	19	3,40	4,5
M8 x 1,25	32,72	90	22	4,90	6,0
M10 x 1,50	37,66	100	24	5,50	7,0

Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	43,59	110	29	7	9,0
M14 x 2,00	59,66	110	30	9	11,0
M16 x 2,00	77,83	110	30	9	12,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2256

HSSE-PM DIN 371 MULTI

M
DIN 13

Form.
C

Tol.
6HX

45°

R

HL

Aceros 800-1100 N/mm²
Aciers / Steel

Inox /
Inox / Stainless

Aluminio /
Aluminium / Aluminium

Titanio /
Titane / Titanium

Fundición /
Fonte / Cast Iron

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	mm	d mm
M3,00x0,50	33,17	56	5	2,70	3,5
M4,00x0,70	34,97	63	7	3,40	4,5
M5,00x0,80	37,93	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6,00x1,00	39,30	80	10	4,90	6,0
M8,00x1,25	47,27	90	13	6,20	8,0
M10,00x1,50	62,11	100	15	8,00	10,0

2257

HSSE-PM DIN 376 MULTI

M
DIN 13

Form.
C

Tol.
6HX

45°

D

HL

Aceros 800-1100 N/mm²
Aciers / Steel

Inox /
Inox / Stainless

Aluminio /
Aluminium / Aluminium

Titanio /
Titane / Titanium

Fundición /
Fonte / Cast Iron

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	I mm	mm	d mm
M12,00x1,75	91,54	110	18	7,00	9,0
M14,00x2,00	119,99	110	20	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16,00x2,00	128,99	110	20	9,00	12,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2260

HSSE-PM DIN 371 SYNCHRO

M
DIN 13

Form.
C



Tol.
6HX



CNC



HL

Aceros 800-1100 N/mm²
Aciers / Steel

Inox /
Inox / Stainless

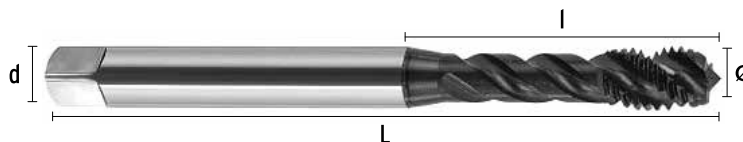
Aluminio /
Aluminium / Aluminium

Titanio /
Titane / Titanium

Fundición /
Fonte / Cast Iron

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	mm	d mm
M3,00x0,50	26,56	56	5	2,70	3,5
M4,00x0,70	27,97	63	7	3,40	4,5
M5,00x0,80	30,35	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M6,00x1,00	31,47	80	10	4,90	6,0
M8,00x1,25	37,79	90	13	6,20	8,0
M10,00x1,50	49,70	100	15	8,00	10,0

2261

HSSE-PM DIN 376 SYNCHRO

M
DIN 13

Form.
C



Tol.
6HX



CNC



HL

Aceros 800-1100 N/mm²
Aciers / Steel

Inox /
Inox / Stainless

Aluminio /
Aluminium / Aluminium

Titanio /
Titane / Titanium

Fundición /
Fonte / Cast Iron

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	mm	d mm
M12,00x1,75	79,81	110	18	7,00	9,0
M14,00x2,00	104,57	110	20	9,00	11,0

Ø x P mm	€	L mm	l mm	mm	d mm
M16,00x2,00	155,93	110	20	9,00	12,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2188

HSSE-PM DIN 371

A>12%

M
DIN 13

Form.
C



Tol.
6HX



R
TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

AL inox

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	27,51	56	10	2,70	3,5
M4 x 0,70	27,51	63	7	3,40	4,5
M5 x 0,80	30,90	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6 x 1,00	33,69	80	10	4,90	6,0
M8 x 1,25	45,37	90	13	6,20	8,0
M10 x 1,50	55,18	100	15	8,00	10,0

2187

HSSE-PM DIN 376

A>12%

M
DIN 13

Form.
C



Tol.
6HX



D
TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

AL inox

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M12 x 1,75	68,59	110	18	7,00	9,0
M14 x 2,00	94,52	110	26	9,00	11,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M16 x 2,00	114,86	110	27	9,00	12,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2214

HSSE-PM DIN 371

A>12%

M
DIN 13

Form.
C



Tol.
6HX

R

TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

AL inox

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	mm	d mm
M3 x 0,50	28,86	56	10	2,70	3,5
M4 x 0,70	28,86	63	7	3,40	4,5
M5 x 0,80	32,34	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M6 x 1,00	35,12	80	10	4,90	6,0
M8 x 1,25	47,11	90	13	6,20	8,0
M10 x 1,50	57,13	100	15	8,00	10,0

2213

HSSE-PM DIN 376

A>12%

M
DIN 13

Form.
C



Tol.
6HX

D

TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

AL inox

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	mm	d mm
MF8,00x1,00	74,60	90	22	4,90	6,0
M8,00x1,25	47,11	90	22	4,90	6,0
MF10,00x1,00	54,25	90	20	5,50	7,0
MF10,00x1,25	84,60	100	24	5,50	7,0
M10,00x1,50	57,13	100	24	5,50	7,0
MF12,00x1,00	62,95	100	22	7,00	9,0

Ø x P mm	€	L mm	l mm	mm	d mm
MF12,00x1,25	87,02	100	22	7,00	9,0
MF12,00x1,50	85,15	100	22	7,00	9,0
M12,00x1,75	73,33	110	29	7,00	9,0
M14,00x2,00	103,17	110	26	9,00	11,0
MF16,00x1,50	128,50	100	22	9,00	12,0
M16,00x2,00	123,53	110	27	9,00	12,0

TARAUDS MACHINE / MACHINE TAPS

HSSE-PM DIN 371

M
DIN 13

Form.
C

Tol.
6GX

R

TIN

Aciers / Steel

AL inox



MICRO FINISH
IMPROVING TECHNOLOGY



	Ø x P mm	€	L mm	l mm	 mm	d mm
	M6 x 1,00	33,69	80	10	4,90	6,0
	M8 x 1,25	45,37	90	13	6,20	8,0
	M10 x 1,50	55,18	100	15	8,00	10,0

HSSE-PM DIN 376

A>12%

M
DIN 13

Form.
C

Tol.
6GX

D

TIN

Aciers / Steel

AL inox

MICRO FINISH



	Ø x P mm	€	L mm	l mm	 mm	d mm
	M12 x 1,75	68,59	110	18	7,00	9,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2218

HSSE-PM DIN 371

A>12%

M
DIN 13

Form.
C





Tol.
6GX

R

TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

AL

inox

Aplicaciones / Applications





Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	28,86	56	10	2,70	3,5
M4 x 0,70	28,86	63	7	3,40	4,5
M5 x 0,80	32,34	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M6 x 1,00	35,12	80	10	4,90	6,0
M8 x 1,25	47,11	90	13	6,20	8,0
M10 x 1,50	57,13	100	15	8,00	10,0

2217

HSSE-PM DIN 376

A>12%

M
DIN 13

Form.
C





Tol.
6GX

D

TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

AL

inox

Aplicaciones / Applications





Ø x P mm	€	L mm	l mm	∠ mm	d mm
M12 x 1,75	73,33	110	18	7,00	9,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2199

HSSE DIN 357

M
DIN 13



Tol.
6H



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	Ø mm	Z	d mm
M3 x 0,50	25,21	70	22	-	3	2,2
M4 x 0,70	25,21	90	25	2,10	3	2,8
M5 x 0,80	25,93	100	28	2,70	3	3,5
M6 x 1,00	24,04	110	32	3,40	3	4,5
M8 x 1,25	28,09	125	40	4,90	3	6,0
M10 x 1,50	43,21	140	45	5,50	3	7,0
M12 x 1,75	51,84	180	50	7,00	3	9,0

Ø x P mm	€	L mm	l mm	Ø mm	Z	d mm
M14 x 2,00	57,59	200	56	9,00	3	11,0
M16 x 2,00	70,57	200	63	9,00	3	12,0
M18 x 2,50	86,40	220	63	11,00	4	14,0
M20 x 2,50	100,07	250	70	12,00	4	16,0
M22 x 2,50	128,14	280	80	14,50	4	18,0
M24 x 3,00	151,17	280	80	14,50	4	18,0

2134

HSSE

M
DIN 13

16-18
tpi



Tol.
6H



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	d mm
M3 x 0,50	69,10	280	12	2,5
M4 x 0,70	68,13	280	17	3,0
M5 x 0,80	68,13	280	20	3,8
M6 x 1,00	68,13	280	25	4,5
M8 x 1,25	72,27	280	31	6,1
M10 x 1,50	83,77	280	37	7,8
M12 x 1,75	130,63	420	43	9,4

Ø x P mm	€	L mm	l mm	d mm
M14 x 2,00	126,17	420	50	11,0
M16 x 2,00	177,44	420	50	12,9
M18 x 2,50	219,13	530	62	14,2
M20 x 2,50	289,79	530	63	16,1
M22 x 2,50	334,73	530	62	18,0
M24 x 3,00	468,84	530	75	19,2

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2806

HSSE DIN 13

M
DIN 13

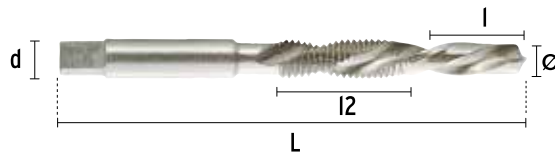
Tol.
6H

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	l2 mm	Ø mm	d mm
M3 x 0,50	34,17	56	16	11	2,40	3,0
M4 x 0,70	34,17	63	18	14	3,00	4,0
M5 x 0,80	34,17	71	20	18	3,80	5,0
M6 x 1,00	37,76	80	22	22	4,90	6,0

Ø x P mm	€	L mm	l mm	l2 mm	Ø mm	d mm
M8 x 1,25	42,66	95	26	25	6,20	8,0
M10 x 1,50	46,94	106	30	31	8,00	10,0
M12 x 1,75	55,40	115	32	35	9,00	12,0

1504

HSS Hex.

M
DIN 13

Tol.
6H



Ø mm	L mm	l mm	€	Ø mm
M3,00 x 0,50	33	11	6,98	1/4"
M4,00 x 0,70	35	12	6,98	1/4"
M5,00 x 0,80	36	15	6,98	1/4"

Ø mm	L mm	l mm	€	Ø mm
M6,00 x 1,00	39	18	6,98	1/4"
M8,00 x 1,25	40	19	9,67	1/4"
M10,00 x 1,50	41	21	11,07	1/4"

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2248

HSS ISO 529

M
DIN 13

Form.
B
"Gun"



Tol.
6H

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M3,00x0,50	5,67	48	11	2,50	3,15
M4,00x0,70	5,75	53	13	3,15	4,00
M5,00x0,80	7,29	58	16	4,00	5,00
M6,00x1,00	7,63	66	19	5,00	6,30
M8,00x1,25	7,88	72	22	6,30	8,00
M10,00x1,50	9,63	80	24	8,00	10,00
M12,00x1,75	17,88	89	29	7,10	10,20
M14,00x2,00	15,29	95	30	9,00	11,20

Ø x P mm	€	L mm	l mm	mm	d mm
M16,00x2,00	17,88	102	32	10,00	12,50
M18,00x2,50	22,33	112	37	11,20	14,00
M20,00x2,50	24,96	112	37	11,20	14,00
M22,00x2,50	28,29	118	38	12,50	16,00
M24,00x3,00	35,75	130	45	14,00	18,00
M27,00x3,00	48,00	135	45	16,00	20,00
M30,00x3,50	89,08	138	48	16,00	20,00

2249

HSS ISO 529

M
DIN 13

Form.
C



Tol.
6H

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M3,00x0,50	7,08	48	11	2,50	3,15
M4,00x0,70	7,33	53	13	3,15	4,00
M5,00x0,80	9,08	58	16	4,00	5,00
M6,00x1,00	9,42	66	19	5,00	6,30
M8,00x1,25	10,04	72	22	6,30	8,00
M10,00x1,50	12,04	80	24	8,00	10,00
M12,00x1,75	18,21	89	29	7,10	10,20
M14,00x2,00	20,54	95	30	9,00	11,20

Ø x P mm	€	L mm	l mm	mm	d mm
M16,00x2,00	22,33	102	32	10,00	12,50
M18,00x2,50	28,04	112	37	11,20	14,00
M20,00x2,50	31,42	112	37	11,20	14,00
M22,00x2,50	35,29	118	38	12,50	16,00
M24,00x3,00	44,58	130	45	14,00	18,00
M27,00x3,00	59,92	135	45	16,00	20,00
M30,00x3,50	100,67	138	48	16,00	20,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2266

HSSE JIS

M
DIN 13

MF
DIN 13

Form.
B
"Gun"



Tol.
6H

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3x0.50	11,58	46	11	3.2	4,0
M4x0.70	11,84	52	13	4,0	5,0
M5x0.80	11,86	60	16	4.5	5.5
M6x1.00	13,01	62	19	4.5	6,0
M8x1.25	14,35	70	22	5,0	6.2
M10x1.50	17,61	75	24	5.5	7,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M12x1.75	22,48	82	29	6.5	8.5
M14x2.00	29,60	88	30	8,0	10.5
M16x2.00	36,36	95	32	10,0	12.5
M18x2.50	49,41	100	37	11,0	14,0
M20x2.50	53,30	105	37	12,0	15,0

2267

HSSE JIS

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3x0.50	14,28	46	11	3.2	4,0
M4x0.70	14,28	52	13	4,0	5,0
M5x0.80	13,80	60	16	4.5	5.5
M6x1.00	15,13	62	19	4.5	6,0
M8x1.25	18,04	70	22	5,0	6.2
M10x1.50	20,98	75	24	5.5	7,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M12x1.75	28,02	82	29	6.5	8.5
M14x2.00	35,97	88	30	8,0	10.5
M16x2.00	43,44	95	32	10,0	12.5
M18x2.50	58,41	100	37	11,0	14,0
M20x2.50	62,23	105	37	12,0	15,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2268

HSSE JIS

M
DIN 13

MF
DIN 13

Form.
B
"Gun"



Tol.
6H

D

VAP

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3x0.50	12,96	46	11	3.2	4,0
M4x0.70	13,27	52	13	4,0	5,0
M5x0.80	13,28	60	16	4.5	5.5
M6x1,00	14,57	62	19	4.5	6,0
M8x1,25	16,07	70	22	5,0	6.2
M10x1,50	19,73	75	24	5.5	7,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M12x1,75	25,18	82	29	6.5	8.5
M14x2,00	33,15	88	30	8,0	10.5
M16x2,00	40,72	95	32	10,0	12.5
M18x2,50	55,34	100	37	11,0	14,0
M20x2,50	59,70	105	37	12,0	15,0

2269

HSSE JIS

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H



D

VAP

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3x0.50	16,01	46	11	3.2	4,0
M4x0.70	16,01	52	13	4,0	5,0
M5x0.80	15,46	60	16	4.5	5.5
M6x1,00	16,94	62	19	4.5	6,0
M8x1,25	20,21	70	22	5,0	6.2
M10x1,50	23,51	75	24	5.5	7,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M12x1,75	31,38	82	29	6.5	8.5
M14x2,00	40,29	88	30	8,0	10.5
M16x2,00	48,65	95	32	10,0	12.5
M18x2,50	65,42	100	37	11,0	14,0
M20x2,50	69,70	105	37	12,0	15,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2270

HSSE JIS

M
DIN 13

MF
DIN 13

Form.
B
"Gun"



Tol.
6H

D

TIN

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3x0.50	16,21	46	11	3,2	4,0
M4x0.70	17,32	52	13	4,0	5,0
M5x0.80	17,33	60	16	4,5	5,5
M6x1,00	18,49	62	19	4,5	6,0
M8x1,25	21,40	70	22	5,0	6,2
M10x1,50	28,07	75	24	5,5	7,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M12x1,75	33,99	82	29	6,5	8,5
M14x2,00	42,66	88	30	8,0	10,5
M16x2,00	50,72	95	32	10,0	12,5
M18x2,50	63,77	100	37	11,0	14,0
M20x2,50	67,66	105	37	12,0	15,0

2271

HSSE JIS

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H



D

TIN

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3x0.50	19,15	46	11	3,2	4,0
M4x0.70	20,03	52	13	4,0	5,0
M5x0.80	19,55	60	16	4,5	5,5
M6x1,00	20,87	62	19	4,5	6,0
M8x1,25	25,43	70	22	5,0	6,2
M10x1,50	31,93	75	24	5,5	7,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M12x1,75	40,09	82	29	6,5	8,5
M14x2,00	49,66	88	30	8,0	10,5
M16x2,00	58,49	95	32	10,0	12,5
M18x2,50	73,46	100	37	11,0	14,0
M20x2,50	77,28	105	37	12,0	15,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2148

HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
Nº4 - 40h	22,82	56	11	2,70	3,5
Nº5 - 40h	22,82	56	11	2,70	3,5
Nº6 - 32h	21,72	56	11	3,00	4,0
Nº8 - 32h	21,72	63	13	3,40	4,5

Ø x P mm	€	L mm	I mm	∠ mm	d mm
Nº10 - 24h	22,82	70	16	4,90	6,0
Nº12 - 24h	23,94	80	19	4,90	6,0
1/4 - 20h	20,26	80	19	5,50	7,0
5/16 - 18h	21,54	90	22	6,20	8,0

2147

HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B

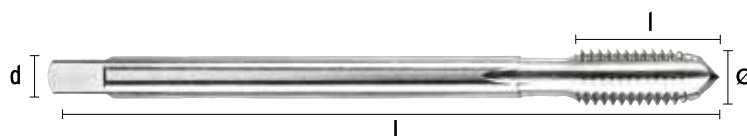


Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
1/4 - 20h	20,26	80	19	3,40	4,5
5/16 - 18h	22,92	90	22	4,90	6,0
3/8 - 16h	26,15	100	24	5,50	7,0
7/16 - 14h	35,95	100	24	6,20	8,0
1/2 - 13h	39,45	110	29	7,00	9,0
9/16 - 12h	53,72	110	30	9,00	11,0
5/8 - 11h	52,18	110	30	9,00	12,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
3/4 - 10h	68,96	125	35	11,00	14,0
7/8 - 9h	90,85	140	36	14,50	18,0
1" - 8h	119,31	160	38	14,50	18,0
1 1/8 - 7h	150,65	180	45	18,00	22,0
1 1/4 - 7h	184,71	180	45	18,00	22,0
1 1/2 - 6h	311,46	200	55	24,00	32,0

2147/5

HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
1/4 - 20h	40,50	80	19	3,40	4,5
5/16 - 18h	45,84	90	22	4,90	6,0
3/8 - 16h	52,32	100	24	5,50	7,0
7/16 - 14h	71,91	100	24	6,20	8,0
1/2 - 13h	78,89	110	29	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
9/16 - 12h	107,45	110	30	9,00	11,0
5/8 - 11h	104,36	110	30	9,00	12,0
3/4 - 10h	137,92	125	35	11,00	14,0
7/8 - 9h	181,72	140	36	14,50	18,0
1" - 8h	238,60	160	38	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2150

HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
B
"Gun"



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
Nº4 - 40h	27,38	56	11	2,70	3,5
Nº5 - 40h	27,38	56	11	2,70	3,5
Nº6 - 32h	26,09	56	11	3,00	4,0
Nº8 - 32h	26,09	63	13	3,40	4,5

Ø x P mm	€	L mm	I mm	mm	d mm
Nº10 - 24h	27,38	70	16	4,90	6,0
Nº12 - 24h	28,71	80	19	4,90	6,0
1/4 - 20h	22,11	80	19	5,50	7,0
5/16 - 18h	25,23	90	22	6,20	8,0

2149

HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
B
"Gun"



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
1/4 - 20h	22,11	80	19	3,40	4,5
5/16 - 18h	25,26	90	22	4,90	6,0
3/8 - 16h	39,46	100	24	5,50	7,0
7/16 - 14h	39,46	100	24	6,20	8,0
1/2 - 13h	43,26	110	29	7,00	9,0
9/16 - 12h	57,42	110	30	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
5/8 - 11h	57,42	110	30	9,00	12,0
3/4 - 10h	75,94	125	35	11,00	14,0
7/8 - 9h	99,83	140	36	14,50	18,0
1" - 8h	131,03	160	38	14,50	18,0
1"1/8 - 7h	166,52	180	45	18,00	22,0
1"1/4 - 7h	204,19	180	45	18,00	22,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2262

HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
B
"Gun"



Tol.
2B



VAP

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	Ø mm	d mm
Nº5-40h	32,04	56	11	2,70	3,5
Nº8-32h	30,52	63	13	3,40	4,5
Nº10-24h	32,04	70	14	4,90	6,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
1/4-20h	25,86	80	18	5,50	7,0
5/16-18h	29,52	90	20	6,20	8,0
3/8-16h	46,17	100	21	8,00	10,0

2263

HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
B
"Gun"



Tol.
2B



VAP

Aceros 800 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	Ø mm	d mm
1/2-13h	50,61	110	27	7,00	9,0
9/16-12h	67,18	110	30	9,00	11,0
5/8-11h	67,18	110	30	9,00	12,0
3/4-10h	88,85	125	35	11,00	14,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2234

HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
B
"Gun"



Tol.
2B



TIN

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
Nº 5-40 h	32,03	56	11	2,70	3,5
Nº 8-32 h	31,58	63	13	3,40	4,5
Nº 10-24 h	32,86	70	16	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
1/4-20h	27,60	80	18	5,50	7,0
5/16-18h	32,29	90	20	6,20	8,0
3/8-16h	49,90	100	21	8,00	10,0

2235

HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
B
"Gun"



Tol.
2B



TIN

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
1/2-13h	56,32	110	29	7,00	9,0
9/16-12h	70,48	110	30	9,00	11,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
5/8-11h	71,76	110	30	9,00	12,0
3/4-10h	98,41	125	35	11,00	14,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2238

HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
B
"Gun"



Tol.
2B



VAP

Aceros inoxidables

Aciers inox / Stainless Steel

F 1100
N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



№	Ø x P mm	€	L mm	l mm	∠ mm	d mm
Nº	5-40 h	34,22	56	11	2,70	3,5
Nº	8-32 h	32,61	63	13	3,40	4,5
Nº	10-24 h	34,22	70	14	4,90	6,0

№	Ø x P mm	€	L mm	l mm	∠ mm	d mm
	1/4-20h	27,64	80	18	5,50	7,0
	5/16-18h	31,54	90	20	6,20	8,0
	3/8-16h	49,33	100	21	8,00	10,0

2239

HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
B
"Gun"



Tol.
2B



VAP

Aceros inoxidables

Aciers inox / Stainless Steel

F 1100
N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



№	Ø x P mm	€	L mm	l mm	∠ mm	d mm
	1/2-13h	54,08	110	29	7,00	9,0
	9/16-12h	71,76	110	30	9,00	11,0

№	Ø x P mm	€	L mm	l mm	∠ mm	d mm
	5/8-11h	71,76	110	30	9,00	12,0
	3/4-10h	94,92	125	35	11,00	14,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2152

HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
Nº4 - 40h	31,20	56	6	2,70	3,5
Nº5 - 40h	31,20	56	6	2,70	3,5
Nº6 - 32h	29,75	56	6	3,00	4,0
Nº8 - 32h	29,75	63	7	3,40	4,5

Ø x P mm	€	L mm	l mm	∠ mm	d mm
Nº10 - 24h	31,20	70	8	4,90	6,0
Nº12 - 24h	30,02	80	10	4,90	6,0
1/4 - 20h	24,02	80	10	5,50	7,0
5/16 - 18h	33,93	90	14	6,20	8,0

2151

HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
1/4 - 20h	30,02	80	10	3,40	4,5
5/16 - 18h	33,95	90	14	4,90	6,0
3/8 - 16h	37,97	100	16	5,50	7,0
7/16 - 14h	46,30	100	16	6,20	8,0
1/2 - 13h	50,65	110	18	7,00	9,0
9/16 - 12h	68,75	110	20	9,00	11,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
5/8 - 11h	66,88	110	20	9,00	12,0
3/4 - 10h	88,55	125	25	11,00	14,0
7/8 - 9h	138,58	140	28	14,50	18,0
1" - 8h	173,86	160	32	14,50	18,0
1 1/8 - 7h	190,34	180	35	18,00	22,0
1 1/4 - 7h	241,19	180	35	18,00	22,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2264

HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	□ mm	d mm
Nº 5-40 h	36,51	56	6	2,70	3,5
Nº 8-32 h	34,80	63	7	3,40	4,5
Nº 10-24 h	36,51	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	□ mm	d mm
1/4-20h	28,11	80	10	5,50	7,0
5/16-18h	39,70	90	14	6,20	8,0
3/8-16h	44,43	100	15	8,00	10,0

2265

HSSE DIN 376

UNC
ANSI/ASME

Form.
C



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	□ mm	d mm
1/2-13h	59,26	110	18	7,00	9,0
9/16-12h	80,43	110	20	9,00	11,0

Ø x P mm	€	L mm	l mm	□ mm	d mm
5/8-11h	78,24	110	20	9,00	12,0
3/4-10h	103,61	125	25	11,00	14,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2236

HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



TIN

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications

MICRO FINISH
TAPING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
Nº 5-40 h	35,85	56	6	2,70	3,5
Nº 8-32 h	35,24	63	7	3,00	4,5
Nº 10-24 h	36,68	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
1/4-20h	29,50	80	10	5,50	7,0
5/16-18h	40,98	90	14	6,20	8,0
3/8-16h	48,43	100	15	8,00	10,0

2237

HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



TIN

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications

MICRO FINISH
TAPING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
1/2-13 h	63,73	110	18	7,00	9,0
9/16-12 h	81,81	110	20	9,00	11,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
5/8-11 h	81,23	110	20	9,00	12,0
3/4-10 h	111,02	125	25	11,00	14,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2240

HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



VAP

Aceros inoxidables

Aciers inox / Stainless Steel

F

1100
N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
Nº 5-40 h	39,00	56	6	2,70	3,5
Nº 8-32 h	37,19	63	7	3,00	4,5
Nº 10-24 h	39,00	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
1/4-20h	30,03	80	10	5,50	7,0
5/16-18h	42,41	90	14	6,20	8,0
3/8-16h	47,47	100	15	8,00	10,0

2241

HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



VAP

Aceros inoxidables

Aciers inox / Stainless Steel

F

1100
N/mm²

Aplicaciones / Applications

MICRO FINISH
THREADING TECHNOLOGY



Ø x P mm	€	L mm	l mm	∠ mm	d mm
1/2-13 h	63,32	110	18	7,00	9,0
9/16-12 h	85,93	110	20	9,00	11,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
5/8-11 h	83,59	110	20	9,00	12,0
3/4-10 h	110,70	125	25	11,00	14,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2154

HSSE DIN 371

UNF
ANSI/ASME
B1.1

Form.
C



Tol.
2B

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	Ø mm	d mm
Nº4 - 48h	25,00	56	11	2,70	3,5
Nº5 - 44h	25,00	56	11	2,70	3,5
Nº6 - 40h	23,96	56	11	3,00	4,0
Nº8 - 36h	23,96	63	13	3,40	4,5

Ø x P mm	€	L mm	l mm	Ø mm	d mm
Nº10 - 32h	23,96	70	16	4,90	6,0
Nº12 - 28h	25,00	80	19	4,90	6,0
1/4 - 28h	19,24	80	19	5,50	7,0
5/16 - 24h	22,11	90	22	6,20	8,0

2153

HSSE DIN 374

UNF
ANSI/ASME
B1.1

Form.
C



Tol.
2B

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	Ø mm	d mm
1/4 - 28h	19,24	80	19	3,40	4,5
5/16 - 24h	22,11	90	22	4,90	6,0
3/8 - 24h	25,52	90	20	5,50	7,0
7/16 - 20h	32,70	90	22	6,20	8,0
1/2 - 20h	34,81	100	22	7,00	9,0
9/16 - 18h	42,74	100	22	9,00	11,0
5/8 - 18h	48,13	100	22	9,00	12,0

Ø x P mm	€	L mm	l mm	Ø mm	d mm
3/4 - 16h	61,58	110	25	11,00	14,0
7/8 - 14h	77,47	125	25	14,50	18,0
1" - 12h	101,54	140	28	14,50	18,0
1"1/8 - 12h	152,50	150	28	18,00	22,0
1"1/4 - 12h	192,74	150	28	18,00	22,0
1"1/2 - 12h	323,44	170	30	24,00	32,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2153/5

HSSE DIN 374

UNF
ANSI/ASME
B1.1

Form.
C



LH

ToI.
2B

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
1/4 - 28h	38,45	80	19	3,40	4,5
5/16- 24h	44,21	90	22	4,90	6,0
3/8 - 24h	51,04	90	20	5,50	7,0
7/16- 20h	65,38	90	22	6,20	8,0
1/2 - 20h	69,60	100	22	7,00	9,0

Ø x P mm	€	L mm	l mm	mm	d mm
9/16- 18h	85,47	100	22	9,00	11,0
5/8 - 18h	96,26	100	22	9,00	12,0
3/4 - 16h	123,16	110	25	11,00	14,0
7/8 - 14h	154,94	125	25	14,50	18,0
1" - 12h	203,10	140	28	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2156

HSSE DIN 371

UNF
ANSI/ASME
B1.1

Form.
B
"Gun"



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
Nº4 - 48h	24,54	56	11	2,70	3,5
Nº5 - 44h	24,54	56	11	2,70	3,5
Nº6 - 40h	28,68	56	12	3,00	4,0
Nº8 - 36h	28,68	63	13	3,40	4,5

Ø x P mm	€	L mm	l mm	mm	d mm
Nº10 - 32h	28,68	70	16	4,90	6,0
Nº12 - 28h	30,02	80	19	4,90	6,0
1/4 - 28h	21,16	80	19	5,50	7,0
5/16 - 24h	24,31	90	22	6,20	8,0

2155

HSSE DIN 376

UNF
ANSI/ASME
B1.1

Form.
B
"Gun"



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
1/4 - 28h	21,15	80	19	3,40	4,5
5/16 - 24h	24,34	90	22	4,90	6,0
3/8 - 24h	28,03	90	20	5,50	7,0
7/16 - 20h	35,95	90	22	6,20	8,0
1/2 - 20h	38,30	100	22	7,00	9,0

Ø x P mm	€	L mm	l mm	mm	d mm
9/16 - 18h	46,99	100	22	9,00	11,0
5/8 - 18h	52,89	100	22	9,00	12,0
3/4 - 16h	67,77	110	25	11,00	14,0
7/8 - 14h	85,19	125	25	14,50	18,0
1" - 12h	111,67	140	28	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2158

HSSE DIN 371

UNF
ANSI/ASME
B1.1

Form.
C



Tol.
2B



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
Nº4 - 48h	34,19	56	6	2,70	3,5
Nº5 - 44h	34,19	56	6	2,70	3,5
Nº6 - 40h	23,89	56	6	3,00	4,0
Nº8 - 36h	23,89	63	7	3,40	4,5

Ø x P mm	€	L mm	l mm	mm	d mm
Nº10 - 32h	23,89	70	8	4,90	6,0
Nº12 - 28h	34,19	80	10	4,90	6,0
1/4 - 28h	24,02	80	10	5,50	7,0
5/16 - 24h	27,69	90	14	6,20	8,0

2157

HSSE DIN 374

UNF
ANSI/ASME
B1.1

Form.
C



Tol.
2B



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
1/4 - 28h	24,00	80	12	3,40	4,5
5/16 - 24h	27,69	90	15	4,90	6,0
3/8 - 24h	31,88	90	18	5,50	7,0
7/16 - 20h	41,89	90	15	6,20	8,0
1/2 - 20h	44,58	100	18	7,00	9,0

Ø x P mm	€	L mm	l mm	mm	d mm
9/16 - 18h	55,21	100	15	9,00	11,0
5/8 - 18h	61,69	100	15	9,00	12,0
3/4 - 16h	76,98	110	17	11,00	14,0
7/8 - 14h	120,70	125	17	14,50	18,0
1" - 12h	148,57	140	20	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2189

HSSE DIN 374

UN
ANSI/ASME
B1.1

Form.
C



Tol.
2B

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
UN1"1/8 - 8h	398,59	180	45	18,00	22,0
UN1"1/4 - 8h	514,25	180	45	18,00	22,0
UN1"3/8 - 8h	428,37	200	56	22,00	28,0
UN1"1/2 - 8h	490,46	200	60	24,00	32,0

Ø x P mm	€	L mm	I mm	mm	d mm
UN1"5/8 - 8h	499,29	200	60	24,00	32,0
UN1"3/4 - 8h	625,92	200	50	29,00	36,0
UN2" - 8h	1.017,42	225	50	32,00	40,0

2160

HSSE DIN 374

UNEF
ANSI/ASME
B1.1

Form.
C



Tol.
2B

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
1/4 - 32h	82,02	80	19	3,40	4,5
5/16 - 32h	95,53	90	22	4,90	6,0
3/8 - 32h	109,50	90	20	5,50	7,0
7/16 - 28h	139,38	90	22	6,20	8,0
1/2 - 28h	149,14	100	22	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
9/16 - 24h	179,14	100	22	9,00	11,0
5/8 - 24h	208,32	100	22	9,00	12,0
3/4 - 20h	276,07	110	25	11,00	14,0
1" - 20h	452,35	140	28	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2136

HSSE DIN 371

BSW
BS 84

Form.
C



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
W3/32 - 48h	19,28	50	9	2,10	2,8
W1/8 - 40h	16,10	56	11	2,70	3,5
W5/32 - 32h	16,10	63	13	3,40	4,5
W3/16 - 24h	16,10	70	16	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
W7/32 - 24h	24,48	80	19	4,90	6,0
W1/4 - 20h	17,55	80	19	5,50	7,0
W5/16 - 18h	21,54	90	22	6,20	8,0
W3/8 - 16h	23,80	100	24	8,00	10,0

2135

HSSE DIN 376

BSW
BS 84

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
W1/8 - 40h	16,10	56	11	2,00	2,2
W5/32 - 32h	16,10	63	13	2,10	2,8
W3/16 - 24h	16,10	70	16	2,70	3,5
W7/32 - 24h	24,48	80	19	3,40	4,5
W1/4 - 20h	17,55	80	19	3,40	4,5
W5/16 - 18h	21,54	90	22	4,90	6,0
W3/8 - 16h	23,80	100	24	5,50	7,0
W7/16 - 14h	31,40	100	24	6,20	8,0
W1/2 - 12h	30,11	110	29	7,00	9,0
W9/16 - 12h	43,19	110	30	9,00	11,0
W5/8 - 11h	40,85	110	30	9,00	12,0
W3/4 - 10h	54,67	125	35	11,00	14,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
W7/8 - 9h	74,04	140	36	14,50	18,0
W1" - 8h	93,11	160	38	14,50	18,0
W1"1/8 - 7h	123,52	180	45	18,00	22,0
W1"1/4 - 7h	179,28	180	45	18,00	22,0
W1"3/8 - 6h	294,74	200	55	22,00	28,0
W1"1/2 - 6h	319,95	200	55	24,00	32,0
W1"5/8 - 5h	466,85	220	60	24,00	32,0
W1"3/4 - 5h	503,65	220	62	29,00	36,0
W1"7/8 - 4,5h	558,36	250	70	29,00	36,0
W2" - 4,5h	720,81	250	70	32,00	40,0
W2"1/4 - 4h	785,58	280	78	35,00	45,0
W2"1/2 - 4h	907,46	315	90	39,00	50,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2136/5

HSSE DIN 371

BSW
BS 84

Form.
C



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
W 1/8 - 40h	32,22	56	11	2,70	3,5
W 5/32 - 32h	32,22	63	13	3,40	4,5
W 3/16 - 24h	32,22	70	16	4,90	6,0

2135/5

HSSE DIN 376

BSW
BS 84

Form.
C

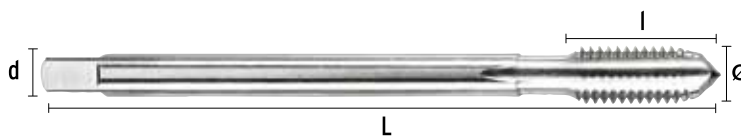


Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
W1/4 - 20h	35,10	80	19	3,40	4,5
W5/16 - 18h	43,09	90	22	4,90	6,0
W3/8 - 16h	47,60	100	24	5,50	7,0
W7/16 - 14h	62,79	100	24	6,20	8,0
W1/2 - 12h	60,21	110	29	7,00	9,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
W9/16 - 12h	86,37	110	30	9,00	11,0
W5/8 - 11h	81,72	110	30	9,00	12,0
W3/4 - 10h	109,32	125	35	11,00	14,0
W7/8 - 9h	148,08	140	36	14,50	18,0
W1" - 8h	186,22	160	38	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2138

HSSE DIN 371

BSW
BS 84

Form.
B
"Gun"



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
W1/8 - 40h	17,79	56	11	2,70	3,5
W5/32 - 32h	17,79	63	13	3,40	4,5
W3/16 - 24h	17,79	70	16	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
W1/4 - 20h	20,21	80	16	5,50	7,0
W5/16 - 18h	27,31	90	18	6,20	8,0

2137

HSSE DIN 376

BSW
BS 84

Form.
B
"Gun"



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
W 1/4 - 20h	20,21	80	19	3,40	4,5
W 5/16 - 18h	23,66	90	22	4,90	6,0
W 3/8 - 16h	26,15	100	24	5,50	7,0
W 7/16 - 14h	33,02	100	24	6,20	8,0
W 1/2 - 12h	34,57	110	29	7,00	9,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
W 9/16 - 12h	47,49	110	30	9,00	11,0
W 5/8 - 11h	44,88	110	30	9,00	12,0
W 3/4 - 10h	60,19	125	35	11,00	14,0
W 7/8 - 9h	81,41	140	36	14,50	18,0
W 1" - 8h	102,36	160	38	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2140

HSSE DIN 371

BSW
BS 84

Form.
C



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
W1/8 - 40h	20,21	56	6	2,70	3,5
W5/32 - 32h	20,21	63	7	3,40	4,5
W3/16 - 24h	20,21	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
W1/4 - 20h	27,38	80	10	5,50	7,0
W5/16 - 18h	33,58	90	14	6,20	8,0

2139

HSSE DIN 376

BSW
BS 84

Form.
C

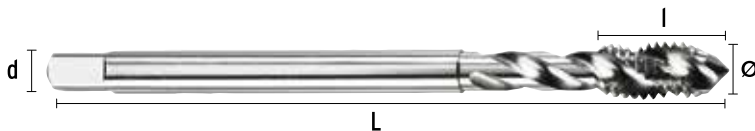


Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
W 3/16 - 24h	20,21	70	8	2,70	3,5
W 1/4 - 20h	27,38	80	10	3,40	4,5
W 5/16 - 18h	32,10	90	14	4,90	6,0
W 3/8 - 16h	35,45	100	16	5,50	7,0
W 7/16 - 14h	40,26	100	16	6,20	8,0
W 1/2 - 12h	38,59	110	18	7,00	9,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
W 9/16 - 12h	55,31	110	20	9,00	11,0
W 5/8 - 11h	52,33	110	20	9,00	12,0
W 3/4 - 10h	70,07	125	25	11,00	14,0
W 7/8 - 9h	94,84	140	28	14,50	18,0
W 1" - 8h	119,06	160	32	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2141

HSSE DIN 371

BSF
BS 84

Form.
C



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
BSF 3/16 - 32h	69,12	70	14	4,90	6,0
BSF 1/4 - 26h	29,43	80	19	5,50	7,0

Ø x P mm	€	L mm	l mm	mm	d mm
BSF 5/16 - 22h	34,96	90	22	6,20	8,0
BSF 3/8 - 20h	36,72	100	24	8,00	10,0

2142

HSSE DIN 374

BSF
BS 84

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
BSF 7/16 - 18h	49,56	90	22	6,20	8,0
BSF 1/2 - 16h	56,07	100	22	7,00	9,0
BSF 9/16 - 16h	59,34	100	22	9,00	11,0
BSF 5/8 - 14h	79,09	100	22	9,00	12,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
BSF 3/4 - 12h	93,61	110	25	11,00	14,0
BSF 7/8 - 11h	130,15	125	25	14,50	18,0
BSF 1" - 10h	155,41	140	28	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2144

HSSE DIN 5156

G
ISO 228

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
G 1/8 - 28h	27,21	90	20	5,50	7,0
G 1/4 - 19h	38,79	100	22	9,00	11,0
G 3/8 - 19h	46,42	100	22	9,00	12,0
G 1/2 - 14h	58,66	125	25	12,00	16,0
G 5/8 - 14h	73,11	125	25	14,50	18,0
G 3/4 - 14h	91,84	140	28	16,00	20,0
G 7/8 - 14h	123,46	150	28	18,00	22,0

Ø x P mm	€	L mm	l mm	mm	d mm
G 1" - 11h	142,50	160	30	20,00	25,0
G 1"1/8 - 11h	216,58	170	30	22,00	28,0
G 1"1/4 - 11h	254,10	170	30	24,00	32,0
G 1"3/8 - 11h	317,82	180	32	29,00	36,0
G 1"1/2 - 11h	403,32	190	32	29,00	36,0
G 1"3/4 - 11h	479,36	190	32	32,00	40,0
G 2" - 11h	610,85	220	40	35,00	45,0

2144/5

HSSE DIN 5156

G
ISO 228

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
G1/8 - 28h	54,43	90	20	5,50	7,0
G1/4 - 19h	77,59	100	22	9,00	11,0
G3/8 - 19h	92,81	100	22	9,00	12,0
G1/2 - 14h	117,30	125	25	12,00	16,0

Ø x P mm	€	L mm	l mm	mm	d mm
G5/8 - 14h	146,24	125	25	14,50	18,0
G3/4 - 14h	183,68	140	28	16,00	20,0
G1" - 11h	285,01	160	30	20,00	25,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2192

HSSE DIN 5156

G
ISO 228

Form.
E



D

Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
G1/8 - 28h	33,00	90	20	5,50	7,0
G1/4 - 19h	50,68	100	22	9,00	11,0
G3/8 - 19h	69,98	100	22	9,00	12,0
G1/2 - 14h	94,43	125	25	12,00	16,0

Ø x P mm	€	L mm	l mm	mm	d mm
G5/8 - 14h	98,66	125	25	14,50	18,0
G3/4 - 14h	138,58	140	28	16,00	20,0
G7/8 - 14h	169,38	150	28	18,00	22,0
G1" - 11h	211,39	160	30	20,00	25,0

2206

HSSE DIN 5156

+0,1

G
ISO 228

Form.
E



D

Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
G 1/8 - 28h	40,23	90	20	5,50	7,0
G 1/4 - 19h	59,94	100	22	9,00	11,0
G 3/8 - 19h	83,98	100	22	9,00	12,0
G 1/2 - 14h	114,65	125	25	12,00	16,0

Ø x P mm	€	L mm	l mm	mm	d mm
G 5/8 - 14h	119,90	125	25	14,50	18,0
G 3/4 - 14h	166,30	140	28	16,00	20,0
G 7/8 - 14h	196,48	150	28	18,00	22,0
G 1" - 11h	245,20	160	30	20,00	25,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2145

HSSE DIN 5156

G
ISO 228

Form.
B
"Gun"



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
G 1/8 - 28h	31,94	90	20	5,50	7,0
G 1/4 - 19h	42,69	100	22	9,00	11,0
G 3/8 - 19h	51,06	100	22	9,00	12,0
G 1/2 - 14h	64,54	125	25	12,00	16,0
G 5/8 - 14h	80,45	125	25	14,50	18,0
G 3/4 - 14h	101,05	140	28	16,00	20,0

Ø x P mm	€	L mm	l mm	mm	d mm
G 7/8 - 14h	135,82	150	28	18,00	22,0
G 1" - 11h	153,96	160	30	20,00	25,0
G 1"1/8 - 11h	253,94	170	30	22,00	28,0
G 1"1/4 - 11h	287,47	170	30	24,00	32,0
G 1"1/2 - 11h	577,91	190	32	29,00	36,0
G 1"3/8 - 11h	361,15	180	32	29,00	36,0

2146

HSSE DIN 5156

G
ISO 228

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
G 1/8 - 28h	34,76	90	10	5,50	7,0
G 1/4 - 19h	49,95	100	14	9,00	11,0
G 3/8 - 19h	59,60	100	15	9,00	12,0
G 1/2 - 14h	75,18	125	17	12,00	16,0
G 5/8 - 14h	93,66	125	17	14,50	18,0
G 3/4 - 14h	117,70	140	20	16,00	20,0

Ø x P mm	€	L mm	l mm	mm	d mm
G 7/8 - 14h	158,25	150	22	18,00	22,0
G 1" - 11h	179,33	160	25	20,00	25,0
G 1"1/8 - 11h	285,99	170	25	22,00	28,0
G 1"1/4 - 11h	335,01	170	27	24,00	32,0
G 1"3/8 - 11h	453,18	180	27	29,00	36,0
G 1"1/2 - 11h	582,47	190	27	29,00	36,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2159

HSSE DIN 5156

Rc
DIN 2999

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
Rc 1/8 - 28h	45,85	90	18	5,50	7,0
Rc 1/4 - 19h	66,38	100	22	9,00	11,0
Rc 3/8 - 19h	91,54	100	22	9,00	12,0
Rc 1/2 - 14h	127,59	125	25	12,00	16,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
Rc 3/4 - 14h	197,77	140	28	16,00	20,0
Rc 7/8 - 14h	341,45	150	28	18,00	22,0
Rc 1" - 11h	284,31	160	30	20,00	25,0

2164

HSSE DIN 374

NPT
ANSI/ASME
B1.20.1

Form.
C



Tol.
6H

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
1/16 - 27h	50,29	90	12	4,90	6,0
1/8 - 27h	39,77	90	12	5,50	7,00
1/4 - 18h	54,39	100	18	11,00	14,0
3/8 - 18h	70,53	110	18	11,00	14,0
1/2 - 14h	94,03	140	23	12,00	16,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
3/4 - 14h	146,41	150	24	16,00	20,0
1" - 11,5h	312,48	160	35	20,00	25,0
1"1/4 - 11,5h	367,36	190	35	25,00	31,5
1"1/2 - 11,5h	620,20	200	35	29,00	36,0
2" - 11,5h	853,95	220	35	35,00	45,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2212

HSSE

Tr
DIN 103



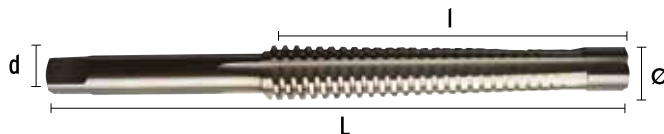
Tol.
7H

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
Tr 10x2	356,63	110	63	5,50	7,0
Tr 10x3	356,63	125	75	5,50	7,0
Tr 12x3	417,17	165	111	6,20	8,0
Tr 14x3	427,68	140	85	8,00	10,0
Tr 14x4	461,84	170	112	8,00	10,0
Tr 16x4	461,84	180	116	9,00	11,0
Tr 18x4	495,00	190	120	9,00	12,0

Ø x P mm	€	L mm	l mm	mm	d mm
Tr 20x4	538,92	200	124	11,00	14,0
Tr 22x5	538,92	235	155	12,00	16,0
Tr 24x5	583,01	245	160	14,50	18,0
Tr 26x5	605,06	255	165	16,00	20,0
Tr 28x5	660,00	265	170	18,00	22,0
Tr 30x6	715,11	290	185	18,00	22,0
Tr 32x6	702,73	300	191	20,00	25,0

2212/5

HSSE

Tr
DIN 103



Tol.
7H

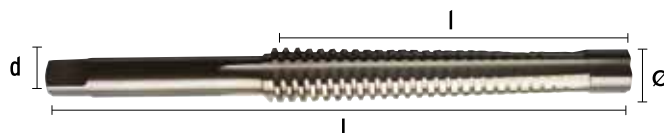


Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
Tr 10x2	445,74	110	63	5,50	7,0
Tr 10x3	445,74	125	75	5,50	7,0
Tr 12x3	521,45	165	111	6,20	8,0
Tr 14x3	534,59	140	85	8,00	10,0
Tr 14x4	577,33	170	112	8,00	10,0
Tr 16x4	577,33	180	116	9,00	11,0
Tr 18x4	618,70	190	120	9,00	12,0

Ø x P mm	€	L mm	l mm	mm	d mm
Tr 20x4	673,65	200	124	11,00	14,0
Tr 22x5	673,65	235	155	12,00	16,0
Tr 24x5	728,77	245	160	14,50	18,0
Tr 26x5	756,33	255	165	16,00	20,0
Tr 28x5	824,91	265	170	18,00	22,0
Tr 30x6	893,93	290	185	18,00	22,0
Tr 32x6	878,42	300	191	20,00	25,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2163

HSSE DIN 40433

PG
DIN 40430

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
Pg.7 (12,50 x 20h)	42,17	100	22	7,00	9,0
Pg.9 (15,20 x 18h)	58,35	100	22	9,00	12,0
Pg.11 (18,60 x 18h)	75,94	110	25	11,00	14,0
Pg.13,50 (20,40 x 18h)	85,23	125	25	12,00	16,0
Pg.16 (22,50 x 18h)	100,33	125	25	14,50	18,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
Pg.21 (28,30 x 16h)	159,29	150	28	18,00	22,0
Pg.29 (37,00 x 16h)	269,29	170	30	22,00	28,0
Pg.36 (47,00 x 16h)	472,47	190	32	29,00	36,0
Pg.42 (54,00 x 16h)	769,24	190	32	32,00	40,0
Pg.48 (59,30 x 16h)	937,81	220	40	35,00	45,0

2242

HSSE DIN 371

Vg
DIN 7756

Form.
C



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
5,00 x 36h	88,03	80	19	4,90	6,00
5,20 x 24h	88,03	80	19	4,90	6,00

Ø x P mm	€	L mm	I mm	∠ mm	d mm
6,00 x 32h	100,22	80	19	5,50	7,00
8,00 x 32h	111,50	90	22	6,20	8,00

2243

HSSE DIN 374

Vg
DIN 7756

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1000
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
9,60 x 1	161,90	90	20	5,50	7,00
10,00 x 28h	140,49	90	22	6,20	8,00

Ø x P mm	€	L mm	I mm	∠ mm	d mm
12,00 x 26h	152,85	100	22	7,00	9,00

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2301

HSS DIN 352/2181

M
DIN 13

MF
DIN 13



Tol.
6H

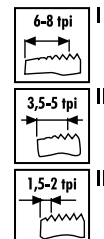
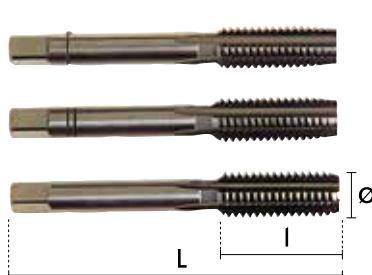
Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3°
Tap 3°

PVP = € / 3 < M (€ / 3)
MF (€ / 2)



Ø x P mm	Nº	€	L mm	I mm	Ø mm
* M1,00 x 0,25	3	72,79	32	5,50	2,10
* M1,10 x 0,25	3	72,79	32	5,50	2,10
* M1,20 x 0,25	3	72,79	32	5,50	2,10
* M1,40 x 0,30	3	72,79	32	7	2,10
M1,60 x 0,35	3	66,42	32	8	2,10
M1,70 x 0,35	3	41,94	32	8	2,10
M1,80 x 0,35	3	62,35	32	8	2,10
M2,00 x 0,40	3	33,08	36	8	2,10
M2,20 x 0,45	3	35,63	36	9	2,10
M2,30 x 0,40	3	35,67	36	9	2,10
M2,50 x 0,45	3	34,21	40	9	2,10
M2,60 x 0,45	3	31,48	40	9	2,10
M3,00 x 0,50	3	18,11	40	1	2,70
MF3,00 x 0,60	3	34,73	40	12	2,70
M3,50 x 0,60	3	25,07	45	13	3,00
MF3,50 x 0,75	3	41,95	45	14	3,40
MF4,00 x 0,50	2	35,32	45	10	3,40
M4,00 x 0,70	3	16,68	45	13	3,40
M4,50 x 0,75	3	32,32	50	16	4,90
MF5,00 x 0,50	2	37,56	50	12	4,90
MF5,00 x 0,75	2	35,00	50	12	4,90
M5,00 x 0,80	3	18,12	50	16	4,90
MF5,00 x 1,00	2	20,12	50	14	4,90
MF5,50 x 0,90	3	122,46	51	18	4,90
MF6,00 x 0,50	2	37,52	50	14	4,90
MF6,00 x 0,75	2	21,13	50	14	4,90
MF6,00 x 0,90	2	122,35	50	19	4,90
M6,00 x 1,00	3	18,12	50	19	4,90
MF7,00 x 0,75	2	26,68	50	14	4,90
M7,00 x 1,00	3	25,01	50	19	4,90
MF8,00 x 0,50	2	40,06	50	19	4,90
MF8,00 x 0,75	2	31,21	50	19	4,90
MF8,00 x 1,00	2	20,75	56	22	4,90
M8,00 x 1,25	3	21,82	56	22	4,90
MF9,00 x 1,00	2	26,82	63	20	5,50
M9,00 x 1,25	3	38,71	63	22	5,50
MF10,00 x 0,50	2	101,77	63	18	5,50
MF10,00 x 0,75	2	44,73	63	20	5,50
MF10,00 x 1,00	2	22,50	63	20	5,50
MF10,00 x 1,25	2	22,91	70	24	5,50
M10,00 x 1,50	3	27,55	70	24	5,50
MF11,00 x 0,75	2	111,41	63	20	6,20

Ø x P mm	Nº	€	L mm	I mm	Ø mm
MF11,00 x 1,00	2	39,77	63	20	6,20
MF11,00 x 1,25	2	39,77	63	22	6,20
M11,00 x 1,50	3	53,39	70	24	6,20
MF12,00 x 0,75	2	63,66	70	22	7,00
MF12,00 x 1,00	2	39,29	70	22	7,00
MF12,00 x 1,25	2	39,45	70	22	7,00
MF12,00 x 1,50	2	33,56	70	22	7,00
M12,00 x 1,75	3	35,82	76	29	7,00
MF13,00 x 0,75	2	111,41	70	20	9,00
MF13,00 x 1,00	2	64,41	70	22	9,00
MF13,00 x 1,25	2	64,41	70	22	9,00
MF13,00 x 1,50	2	64,41	70	22	9,00
M13,00 x 1,75	3	81,13	80	30	9,00
MF14,00 x 0,75	2	111,51	70	22	9,00
MF14,00 x 1,00	2	58,78	70	22	9,00
MF14,00 x 1,25	2	48,22	70	22	9,00
MF14,00 x 1,50	2	37,46	70	22	9,00
M14,00 x 2,00	3	47,13	80	30	9,00
MF15,00 x 1,00	2	86,89	70	22	9,00
MF15,00 x 1,25	2	91,44	70	22	9,00
MF15,00 x 1,50	2	88,95	70	22	9,00
M15,00 x 2,00	3	92,95	80	32	9,00
MF16,00 x 1,00	2	82,26	70	22	9,00
MF16,00 x 1,25	2	86,59	70	22	9,00
MF16,00 x 1,50	2	46,70	70	22	9,00
M16,00 x 2,00	3	66,36	80	32	9,00
MF17,00 x 1,00	2	132,55	70	22	9,00
MF17,00 x 1,25	2	132,55	70	22	9,00
MF17,00 x 1,50	2	132,55	70	22	9,00
MF18,00 x 1,00	2	91,43	80	40	11,00
MF18,00 x 1,25	2	130,66	80	22	11,00
MF18,00 x 1,50	2	61,92	80	22	11,00
MF18,00 x 2,00	2	98,52	80	22	11,00
M18,00 x 2,50	3	88,70	95	40	11,00
MF19,00 x 1,00	2	192,40	80	22	11,00
MF19,00 x 1,25	2	192,23	80	22	11,00
MF19,00 x 1,50	2	192,40	80	22	11,00
MF20,00 x 1,00	2	121,76	80	22	12,00
MF20,00 x 1,25	2	192,40	80	22	12,00
MF20,00 x 1,50	2	77,27	80	22	12,00
MF20,00 x 2,00	2	102,11	80	22	12,00
M20,00 x 2,50	3	99,69	95	40	12,00

*Tol. 4H

(continúa Ref.2301 / suite Réf.2301 / Ref.2301 cont'd)

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

(continúa Ref.2301 / suite Réf.2301 / Ref.2301 cont'd)

Ø x P mm	Nº	€	L mm	I mm	mm
MF21,00 x 1,00	2	248,64	80	22	12,00
MF21,00 x 1,25	2	248,64	80	22	12,00
MF21,00 x 1,50	2	196,61	80	22	12,00
MF22,00 x 1,00	2	135,83	80	22	14,50
MF22,00 x 1,25	2	192,40	80	22	14,50
MF22,00 x 1,50	2	84,48	80	22	14,50
MF22,00 x 2,00	2	135,84	80	22	14,50
M22,00 x 2,50	3	122,21	100	40	14,50
MF23,00 x 1,00	2	248,40	80	22	14,50
MF23,00 x 1,50	2	248,40	80	22	14,50
MF24,00 x 1,00	2	151,87	90	22	14,50
MF24,00 x 1,25	2	248,64	90	22	14,50
MF24,00 x 1,50	2	107,84	90	22	14,50
MF24,00 x 2,00	2	151,87	90	22	14,50
M24,00 x 3,00	3	153,94	110	50	14,50
MF25,00 x 1,00	2	217,55	90	22	14,50
MF25,00 x 1,25	2	354,21	90	22	14,50
MF25,00 x 1,50	2	188,10	90	22	14,50
MF25,00 x 2,00	2	364,34	90	22	14,50
MF26,00 x 1,00	2	354,56	90	22	14,50
MF26,00 x 1,50	2	171,81	90	22	14,50
MF26,00 x 2,00	2	354,56	90	22	14,50
MF27,00 x 1,00	2	213,50	90	22	16,00
MF27,00 x 1,50	2	190,37	90	22	16,00
MF27,00 x 2,00	2	210,51	90	22	16,00
M27,00 x 3,00	3	198,26	110	50	16,00
MF28,00 x 1,00	2	354,54	90	22	16,00
MF28,00 x 1,50	2	190,88	90	22	16,00
MF28,00 x 2,00	2	354,54	90	22	16,00
MF30,00 x 1,00	2	219,99	90	22	18,00
MF30,00 x 1,50	2	198,00	90	22	18,00
MF30,00 x 2,00	2	228,27	90	22	18,00
M30,00 x 3,50	3	251,71	125	56	18,00
MF32,00 x 1,00	2	460,66	90	22	18,00
MF32,00 x 1,50	2	243,79	90	22	18,00
MF32,00 x 2,00	2	461,07	90	22	18,00
MF33,00 x 1,00	2	461,07	100	25	20,00
MF33,00 x 1,50	2	268,60	100	25	20,00

Ø x P mm	Nº	€	L mm	I mm	mm
MF33,00 x 2,00	2	319,35	100	25	20,00
M33,00 x 3,50	3	319,35	125	56	20,00
MF34,00 x 1,50	2	290,65	100	25	22,00
MF35,00 x 1,50	2	373,26	100	25	22,00
MF36,00 x 1,50	2	311,35	100	25	22,00
MF36,00 x 2,00	2	398,43	125	40	22,00
MF36,00 x 3,00	2	543,53	125	40	22,00
M36,00 x 4,00	3	411,27	150	63	22,00
MF38,00 x 1,50	2	350,23	100	25	22,00
MF38,00 x 2,00	2	628,88	125	40	22,00
MF39,00 x 1,50	2	469,72	110	25	24,00
MF39,00 x 2,00	2	469,72	125	40	24,00
MF39,00 x 3,00	2	457,08	125	40	24,00
M39,00 x 4,00	3	456,99	150	63	24,00
MF40,00 x 1,50	2	411,33	110	25	24,00
MF40,00 x 2,00	2	477,78	125	40	24,00
MF40,00 x 3,00	2	473,34	125	40	24,00
MF42,00 x 1,50	2	454,98	110	25	24,00
MF42,00 x 2,00	2	546,62	125	40	24,00
MF42,00 x 3,00	2	546,62	125	40	24,00
M42,00 x 4,50	3	572,59	150	63	24,00
MF45,00 x 1,50	2	512,21	110	25	29,00
MF45,00 x 2,00	2	650,77	125	40	29,00
MF45,00 x 3,00	2	650,77	125	40	29,00
M45,00 x 4,50	3	664,16	160	70	29,00
MF48,00 x 1,50	2	577,20	140	40	29,00
MF48,00 x 2,00	2	856,21	140	40	29,00
MF48,00 x 3,00	2	787,86	140	40	29,00
M48,00 x 5,00	3	797,66	180	75	29,00
MF50,00 x 1,50	2	631,22	140	40	29,00
MF52,00 x 1,50	2	669,62	140	40	32,00
MF52,00 x 2,00	2	963,35	140	40	32,00
MF52,00 x 3,00	2	894,41	140	40	32,00
M52,00 x 5,00	3	1.040,90	180	75	32,00
M56,00 x 5,50	3	1.503,45	200	85	35,00
M60,00 x 5,50	3	1.884,09	200	85	35,00
MF63,00 x 1,50	2	1.497,53	160	32	39,00
M64,00 x 6,00	3	2.352,83	220	90	39,00

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2301/5

HSS DIN 352

Izquierda / A gauche / Left hand

M
DIN 13

MF
DIN 13



Tol.
6H

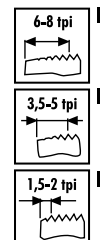


Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∠ mm
M3,00 x 0,50	3	36,21	40	11	2,70
M4,00 x 0,70	3	33,35	45	13	3,40
M5,00 x 0,80	3	36,25	50	16	4,90
M6,00 x 1,00	3	36,25	50	19	4,90
M7,00 x 1,00	3	50,03	50	19	4,90
MF8,00 x 1,00	2	41,50	56	22	4,90
M8,00 x 1,25	3	43,65	56	22	4,90
M9,00 x 1,25	3	77,43	63	22	5,50
MF10,00 x 1,00	2	44,99	63	20	5,50
MF10,00 x 1,25	2	45,83	70	24	5,50
M10,00 x 1,50	3	55,11	70	24	5,50
MF12,00 x 1,25	2	78,92	70	22	7,00
MF12,00 x 1,50	2	67,12	70	22	7,00
M12,00 x 1,75	3	71,64	75	29	7,00

Ø x P mm	Nº	€	L mm	I mm	∠ mm
MF14,00 x 1,25	2	96,44	70	22	9,00
MF14,00 x 1,50	2	74,93	70	22	9,00
M14,00 x 2,00	3	94,25	80	30	9,00
MF16,00 x 1,50	2	93,40	70	22	9,00
M16,00 x 2,00	3	132,71	80	32	9,00
M18,00 x 2,50	3	177,42	95	40	11,00
MF20,00 x 1,50	2	154,55	80	22	12,00
M20,00 x 2,50	3	199,36	95	40	12,00
MF22,00 x 1,50	2	168,96	80	22	14,50
M22,00 x 2,50	3	244,43	100	40	14,50
MF24,00 x 1,50	2	215,65	90	22	14,50
M24,00 x 3,00	3	307,89	110	50	14,50
M27,00 x 3,00	3	396,52	110	50	16,00
M30,00 x 3,50	3	503,41	125	56	18,00

2302

HSS DIN 352

M
DIN 13



Tol.
6H

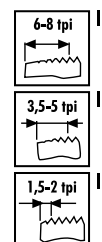
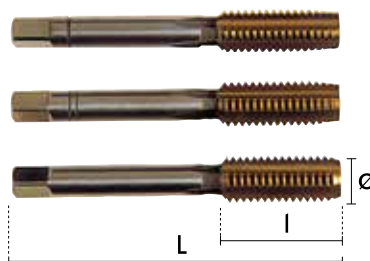


Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∠ mm
M3,00 x 0,50	3	40,51	40	11	2,70
M4,00 x 0,70	3	41,53	45	13	3,40
M5,00 x 0,80	3	42,46	50	16	4,90
M6,00 x 1,00	3	42,54	50	19	4,90
M8,00 x 1,25	3	51,12	56	22	4,90

Ø x P mm	Nº	€	L mm	I mm	∠ mm
M10,00 x 1,50	3	60,70	70	24	5,50
M12,00 x 1,75	3	93,31	75	29	7,00
M14,00 x 2,00	3	111,07	80	30	9,00
M16,00 x 2,00	3	138,68	80	32	9,00
M20,00 x 2,50	3	150,38	95	40	12,00

*(Hasta fin de existencias / Jusqu'à épuisement des stocks / While supplies last)

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2314

HSSE DIN 352

M
DIN 13



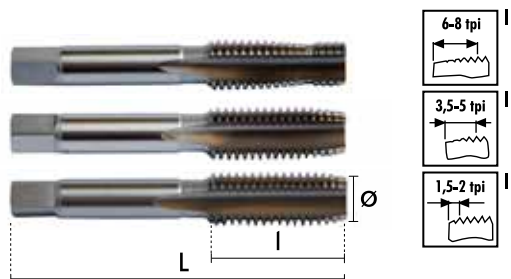
Tol.
6HX

Aceros 800 - 1100 N/mm²

Aciers / Steel 800
N/mm²

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∇ mm
M3,00 x 0,50	3	26,54	40	10	2,70
M4,00 x 0,70	3	26,49	45	12	3,40
M5,00 x 0,80	3	27,74	50	14	4,90
M6,00 x 1,00	3	27,84	56	16	4,90
M8,00 x 1,25	3	31,97	63	20	4,90

Ø x P mm	Nº	€	L mm	I mm	∇ mm
M10,00 x 1,50	3	41,17	70	22	5,50
M12,00 x 1,75	3	58,51	75	24	7,00
M14,00 x 2,00	3	77,48	80	26	9,00
M16,00 x 2,00	3	85,46	80	27	9,00

2303

HSSE DIN 352

M
DIN 13



Tol.
6HX

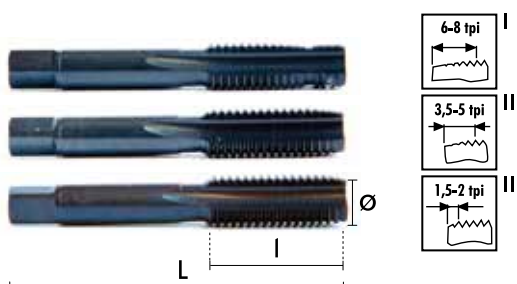
VAP

Aceros inox

Aciers inox / Stainless Steel F 800 1100
N/mm² N/mm²

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∇ mm
M3,00 x 0,50	3	27,07	40	11	2,70
M4,00 x 0,70	3	27,07	45	13	3,40
M5,00 x 0,80	3	28,16	50	16	4,90
M6,00 x 1,00	3	28,16	56	19	4,90
M8,00 x 1,25	3	32,69	63	22	4,90
M10,00 x 1,50	3	42,07	70	24	5,50

Ø x P mm	Nº	€	L mm	I mm	∇ mm
M12,00 x 1,75	3	60,20	75	29	7,00
M14,00 x 2,00	3	66,69	80	30	9,00
M16,00 x 2,00	3	91,35	80	32	9,00
M18,00 x 2,50	3	124,81	95	40	11,00
M20,00 x 2,50	3	138,55	95	40	12,00

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2324

HSSE-PM DIN 352

M
DIN 13



Tol.
6HX

TICN

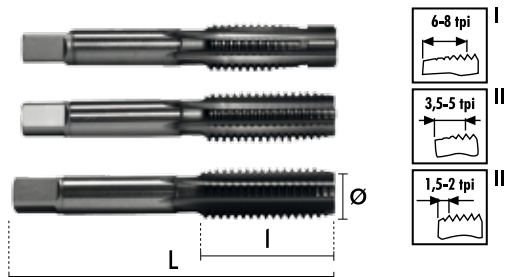
Aceros 1100 - 1400 N/mm²

Aciers / Steel

800
N/mm²

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	mm
M4x0,70	3	96,37	45	12	2,70
M5x0,80	3	97,57	50	14	4,90
M6x1,00	3	97,57	56	16	4,90
M8x1,25	3	109,98	63	20	4,90

Ø x P mm	Nº	€	L mm	I mm	mm
M10x1,50	3	135,95	70	22	5,50
M12x1,75	3	165,26	75	24	7,00
M14x2,00	3	242,97	80	26	9,00
M16x2,00	3	242,97	80	27	9,00

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2304

HSS DIN 352

BSW
BS 84

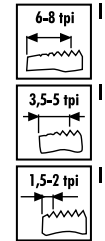


Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∇ mm
W3/32 - 48h	3	33,65	36	10	2,10
W1/8 - 40h	3	23,21	40	12	2,70
W5/32 - 32h	3	23,44	45	14	3,40
W3/16 - 24h	3	23,21	50	18	4,90
W7/32 - 24h	3	41,29	50	18	4,90
W1/4 - 20h	3	26,15	50	19	4,90
W5/16 - 18h	3	31,91	56	22	4,90
W3/8 - 16h	3	35,08	70	24	5,50
W7/16 - 14h	3	46,64	70	24	6,20
W1/2 - 12h	3	50,52	75	29	7,00
W9/16 - 12h	3	68,72	80	30	9,00
W5/8 - 11h	3	78,99	80	32	9,00
W3/4 - 10h	3	112,47	95	40	11,00
W7/8 - 9h	3	164,54	100	40	14,50

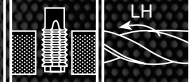
Ø x P mm	Nº	€	L mm	I mm	∇ mm
W1" - 8h	3	200,94	110	50	14,50
W1"1/8 - 7h	3	299,42	132	56	18,00
W1"1/4 - 7h	3	362,20	132	56	18,00
W1"3/8 - 6h	3	450,46	150	63	22,00
W1"1/2 - 6h	3	542,30	150	63	24,00
W1"5/8 - 5h	3	813,54	160	70	24,00
W1"3/4 - 5h	3	1.001,27	160	70	29,00
W1"7/8 - 4,5h	3	1.293,23	190	80	29,00
W2" - 4,5h	3	1.357,64	190	80	32,00
W2"1/4 - 4h	3	1.794,63	220	80	35,00
W2"1/2 - 4h	3	2.183,18	220	80	39,00
W2"3/4 - 3,5h	3	3.117,32	240	80	39,00
W3" - 3,5h	3	3.606,40	240	80	39,00

2304/5

HSS DIN 352

Izquierda / A gauche / Left hand

BSW
BS 84

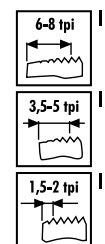


Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∇ mm
W1/8 - 40h	3	46,43	40	12	2,70
W5/32 - 32h	3	46,89	45	14	3,40
W3/16 - 24h	3	46,43	50	18	4,90
W1/4 - 20h	3	52,28	50	19	4,90
W5/16 - 18h	3	63,82	56	22	4,90
W3/8 - 16h	3	70,14	70	24	4,90
W7/16 - 14h	3	93,28	70	24	6,20

Ø x P mm	Nº	€	L mm	I mm	∇ mm
W1/2 - 12h	3	101,03	75	29	7,00
W9/16 - 12h	3	137,45	80	30	9,00
W5/8 - 11h	3	158,00	80	32	9,00
W3/4 - 10h	3	224,93	95	40	11,00
W7/8 - 9h	3	329,06	100	40	14,50
W1" - 8h	3	401,89	110	50	14,50

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2305

HSS DIN 2181

BSF
BS 84

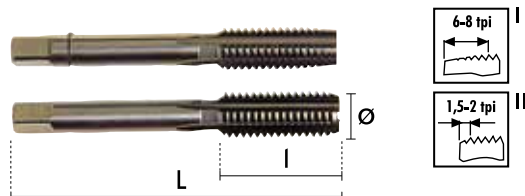


Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3° }
Taraud 3° } PVP = €/2
Tap 3° }



Ø x P mm	Nº	€	L mm	I mm	∠ mm
BSF3/16 - 32h	2	88,92	50	14	4,90
BSF1/4 - 26h	2	36,65	50	18	4,90
BSF5/16 - 22h	2	42,76	56	22	4,90
BSF3/8 - 20h	2	49,47	63	22	5,50
BSF7/16 - 18h	2	59,36	63	22	6,20
BSF1/2 - 16h	2	67,11	75	24	7,00
BSF9/16 - 16h	2	80,49	80	28	9,00

Ø x P mm	Nº	€	L mm	I mm	∠ mm
BSF5/8 - 14h	2	105,08	50	28	9,00
BSF3/4 - 12h	2	161,01	95	32	11,00
BSF7/8 - 11h	2	192,15	100	36	14,50
BSF1" - 10h	2	269,72	110	40	14,50
BSF1"1/8 - 9h	2	556,56	125	40	18,00
BSF1"1/4 - 9h	2	635,46	125	40	18,00
BSF1"1/2 - 8h	2	968,43	125	40	24,00

2306

HSS DIN 5157

G
ISO 228



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3° }
Taraud 3° } PVP = €/2
Tap 3° }



Ø x P mm	Nº	€	L mm	I mm	∠ mm
G1/8 - 28h	2	29,68	63	20	5,50
G1/4 - 19h	2	41,80	70	22	9,00
G3/8 - 19h	2	52,64	70	22	9,00
G1/2 - 14h	2	73,62	80	22	12,00
G5/8 - 14h	2	97,24	80	22	14,50
G3/4 - 14h	2	114,95	90	22	16,00
G7/8 - 14h	2	158,12	90	22	18,00
G1" - 11h	2	182,99	100	25	20,00
G1"1/8 - 11h	2	271,85	125	40	22,00

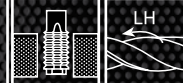
Ø x P mm	Nº	€	L mm	I mm	∠ mm
G1"1/4 - 11h	2	296,19	125	40	24,00
G1"3/8 - 11h	2	402,35	140	40	29,00
G1"1/2 - 11h	2	447,70	140	40	29,00
G1"3/4 - 11h	2	744,30	140	40	32,00
G2" - 11h	2	825,10	160	40	35,00
G2"1/4 - 11h	2	1.403,80	160	40	39,00
G2"1/2 - 11h	2	2.110,09	160	40	39,00
G2"3/4 - 11h	2	2.558,49	160	40	39,00
G3" - 11h	2	2.662,67	160	40	39,00

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2306/5 HSS DIN 5157 Izquierda / A gauche / Left hand

G
ISO 228

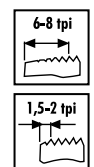


Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/2
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∇ mm
G1/8 - 28h	2	59,37	63	20	5,50
G1/4 - 19h	2	83,59	70	22	9,00
G3/8 - 19h	2	105,26	70	22	9,00
G1/2 - 14h	2	147,23	80	22	12,00

Ø x P mm	Nº	€	L mm	I mm	∇ mm
G5/8 - 14h	2	194,47	80	22	14,50
G3/4 - 14h	2	229,90	90	22	16,00
G1" - 11h	2	366,01	100	25	20,00

2316 HSSE DIN 5157

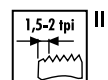
G
ISO 228



Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications

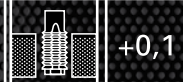


Ø x P mm	Nº	€	L mm	I mm	∇ mm
G1/8 - 28h	1	17,55	63	20	5,50
G1/4 - 19h	1	28,58	70	22	9,00
G3/8 - 19h	1	31,26	70	22	9,00
G1/2 - 14h	1	50,01	80	22	12,00

Ø x P mm	Nº	€	L mm	I mm	∇ mm
G5/8 - 14h	1	66,85	80	22	14,50
G3/4 - 14h	1	78,19	90	22	16,00
G7/8 - 14h	1	113,03	90	22	18,00
G1" - 11h	1	129,57	100	25	20,00

2317 HSSE DIN 5157

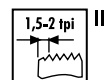
G
ISO 228



Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P mm	Nº	€	L mm	I mm	∇ mm
G1/8 - 28h	1	19,28	63	20	5,50
G1/4 - 19h	1	31,46	70	22	9,00
G3/8 - 19h	1	34,51	70	22	9,00
G1/2 - 14h	1	57,15	80	22	12,00

Ø x P mm	Nº	€	L mm	I mm	∇ mm
G5/8 - 14h	1	73,52	80	22	14,50
G3/4 - 14h	1	85,98	90	22	16,00
G7/8 - 14h	1	124,33	90	22	18,00
G1" - 11h	1	142,52	100	25	20,00

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2307

HSS DIN 352

UNC
ANSI/ASME
B1.1



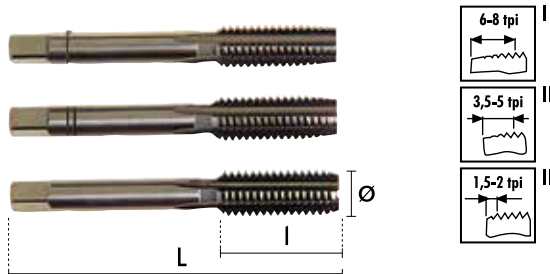
Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∇ mm
Nº4 - 40h	3	45,82	40	12	2,70
Nº5 - 40h	3	43,81	40	12	2,70
Nº6 - 32h	3	43,81	45	14	3,00
Nº8 - 32h	3	43,81	45	14	3,40
Nº10 - 24h	3	43,81	50	16	4,90
Nº12 - 24h	3	43,81	50	18	4,90
1/4 - 20h	3	35,46	50	19	4,90
5/16 - 18h	3	40,50	56	22	4,90
3/8 - 16h	3	45,79	70	24	5,50
7/16 - 14h	3	59,60	70	24	6,20
1/2 - 13h	3	68,60	75	29	7,00

Ø x P mm	Nº	€	L mm	I mm	∇ mm
9/16 - 12h	3	80,99	80	30	9,00
5/8 - 11h	3	111,72	80	32	9,00
3/4 - 10h	3	152,10	95	40	11,00
7/8 - 9h	3	187,34	100	40	14,50
1" - 8h	3	253,01	110	50	14,50
1"1/8 - 7h	3	386,23	132	56	18,00
1"1/4 - 7h	3	486,16	132	56	18,00
1"3/8 - 6h	3	616,73	150	63	22,00
1"1/2 - 6h	3	757,24	150	63	24,00
1"3/4 - 5h	3	943,36	160	70	29,00
2" - 4,5h	3	1.084,49	190	85	32,00

2307/5

HSS DIN 352

Izquierda / A gauche / Left hand

UNC
ANSI/ASME
B1.1



Tol.
2B

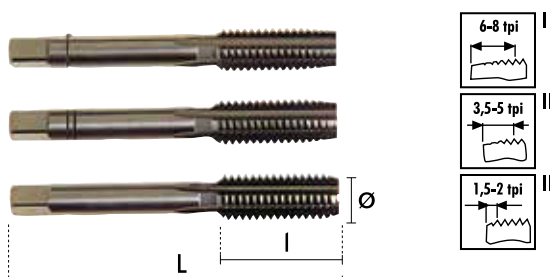
LH

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∇ mm
1/4 - 20h	3	70,91	50	19	4,90
5/16 - 18h	3	80,99	56	22	4,90
3/8 - 16h	3	91,58	70	24	5,50
7/16 - 14h	3	119,23	70	24	6,20
1/2 - 13h	3	137,20	75	29	7,00

Ø x P mm	Nº	€	L mm	I mm	∇ mm
9/16 - 12h	3	161,98	80	30	9,00
5/8 - 11h	3	223,42	80	32	9,00
3/4 - 10h	3	304,21	95	40	11,00
7/8 - 9h	3	374,66	100	40	14,50
1" - 8h	3	506,02	110	50	14,50

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2308

HSS DIN 2181

UNF
ANSI/ASME
B1.1



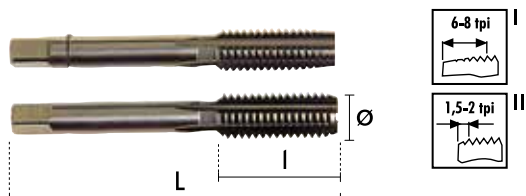
Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/2
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∇ mm
Nº4 - 48h	2	34,80	36	11	2,70
Nº5 - 44h	2	34,80	36	11	2,70
Nº6 - 40h	2	33,25	40	12	3,00
Nº8 - 36h	2	33,25	40	12	3,40
Nº10 - 32h	2	33,25	45	14	4,90
Nº12 - 28h	2	34,80	50	14	4,90
1/4 - 28h	2	23,97	50	18	4,90
5/16 - 24h	2	25,65	56	22	4,90
3/8 - 24h	2	29,66	63	22	5,50
7/16 - 20h	2	39,38	63	22	6,20

Ø x P mm	Nº	€	L mm	I mm	∇ mm
1/2 - 20h	2	40,27	75	24	7,00
9/16 - 18h	2	52,45	80	28	9,00
5/8 - 18h	2	67,74	80	28	9,00
3/4 - 16h	2	91,01	95	32	11,00
7/8 - 14h	2	116,95	100	36	14,50
1" - 12h	2	155,06	110	40	14,50
1"1/8 - 12h	2	241,46	110	50	18,00
1"1/4 - 12h	2	304,57	132	56	18,00
1"3/8 - 12h	2	386,80	132	56	22,00
1"1/2 - 12h	2	473,61	150	63	24,00

2308/5

HSS DIN 2181 Izquierda / A gauche / Left hand

UNF
ANSI/ASME
B1.1



Tol.
2B

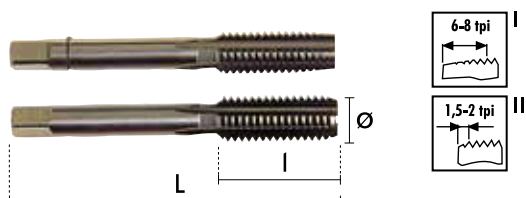


Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/2
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	∇ mm
1/4 - 28h	2	47,92	50	18	4,90
5/16 - 24h	2	51,31	56	22	4,90
3/8 - 24h	2	59,31	63	22	5,50
7/16 - 20h	2	78,74	63	22	6,20
1/2 - 20h	2	80,51	75	24	7,00

Ø x P mm	Nº	€	L mm	I mm	∇ mm
9/16 - 18h	2	104,88	80	28	9,00
5/8 - 18h	2	135,45	80	28	9,00
3/4 - 16h	2	182,03	95	32	11,00
7/8 - 14h	2	233,92	100	36	14,50
1" - 12h	2	310,11	110	40	14,50

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2315

HSS DIN 2184

UN
ANSI/ASME
B1.1



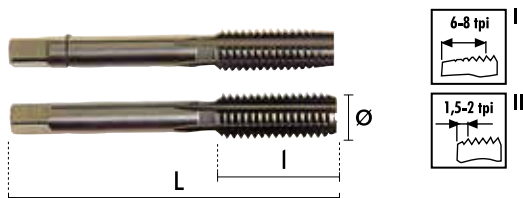
Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/2
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	Ø mm
UN1"1/8 - 8h	2	213,86	125	45	18,00
UN1"1/4 - 8h	2	275,90	125	45	18,00
UN1"3/8 - 8h	2	312,96	125	40	22,00
UN1"1/2 - 8h	2	410,92	125	40	24,00

Ø x P mm	Nº	€	L mm	I mm	Ø mm
UN1"5/8 - 8h	2	480,67	125	40	24,00
UN1"3/4 - 8h	2	585,54	125	40	29,00
UN2" - 8h	2	627,39	140	40	32,00

2309

HSS DIN 5157

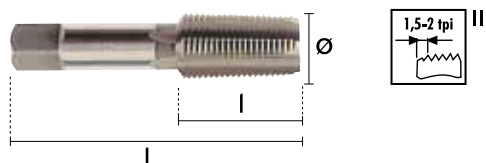
Rc
DIN 2999



Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications



Ø x P mm	Nº	€	L mm	I mm	Ø mm
Rc1/8 - 28h	1	31,28	65	19	5,50
Rc1/4 - 19h	1	44,11	70	25	9,00
Rc3/8 - 19h	1	61,26	75	25	9,00
Rc1/2 - 14h	1	85,74	80	21	12,00

Ø x P mm	Nº	€	L mm	I mm	Ø mm
Rc5/8 - 14h	1	156,91	80	36	14,00
Rc3/4 - 14h	1	145,52	100	33	17,00
Rc7/8 - 14h	1	261,52	85	36	17,00
Rc1" - 11h	1	221,53	110	38	21,50

2310

HSS DIN 2181

UNEF
ANSI/ASME
B1.1



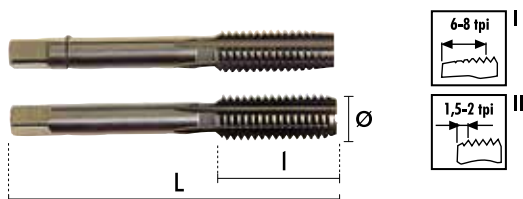
Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/2
Tap 3°



Ø x P mm	Nº	€	L mm	I mm	Ø mm
1/4 - 32h	2	98,55	50	18	4,90
5/16 - 32h	2	110,11	56	22	4,90
3/8 - 32h	2	125,99	63	22	5,50
7/16 - 28h	2	160,37	63	22	6,20
1/2 - 28h	2	181,21	75	24	7,00

Ø x P mm	Nº	€	L mm	I mm	Ø mm
9/16 - 24h	2	211,98	80	28	9,00
5/8 - 24h	2	295,05	80	28	9,00
3/4 - 20h	2	436,93	95	32	11,00
1" - 20h	2	625,17	110	40	14,50

MACHOS DE MANO

TARAUDS À MAIN / HANDS TAPS

2312 HSS DIN 40432

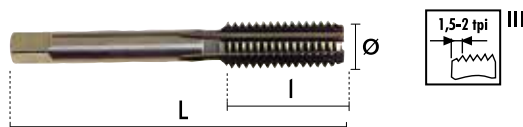
PG
DIN 40430



Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications



Ø x P mm	Nº	€	L mm	I mm	∇ mm
Pg.7 (12,50 x 20h)	1	32,90	70	22	7,00
Pg.9 (15,20 x 18h)	1	41,83	70	22	9,00
Pg.11 (18,60 x 18h)	1	58,08	80	22	11,00
Pg.13,5 (20,40 x 18h)	1	63,70	80	22	12,00
Pg.16 (22,50 x 18h)	1	76,48	80	22	14,50

Ø x P mm	Nº	€	L mm	I mm	∇ mm
Pg.21 (28,30 x 16h)	1	112,49	90	22	18,00
Pg.29 (37,00 x 16h)	1	223,32	100	25	22,00
Pg.36 (47,00 x 16h)	1	373,05	140	40	29,00
Pg.42 (54,00 x 16h)	1	443,03	140	40	32,00
Pg.48 (59,30 x 16h)	1	558,71	160	40	35,00

2313 HSS

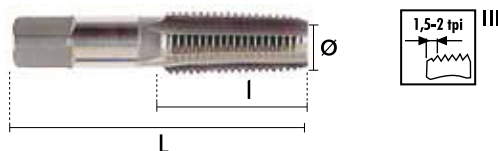
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ANSI/ASME
B1.20.1



Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications



Ø x P mm	Nº	€	L mm	I mm	∇ mm
1/16 - 27h	1	27,14	65	19	5,50
1/8 - 27h	1	27,14	65	19	5,50
1/4 - 18h	1	38,07	70	25	9,00
3/8 - 18h	1	52,52	75	25	9,00
1/2 - 14h	1	73,46	80	31	12,00

Ø x P mm	Nº	€	L mm	I mm	∇ mm
3/4 - 14h	1	112,31	100	33	16,00
1" - 11,5h	1	125,06	110	38	20,00
1"1/4 - 11,5h	1	205,05	125	41	24,00
1"1/2 - 11,5h	1	311,58	140	42	29,00
2" - 11,5h	1	486,41	160	44	29,00

MACHOS DE MANO PERFIL COMPLETO

TARAUDS À MAIN PROFIL COMPLET / HANDS TAPS NON SERIAL FORM

2321

HSS DIN 352

M
DIN 13

MF
DIN 13



Tol.
6H

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P mm	Nº	€	L mm	l mm	Ø mm
M2,00 x 0,40	3	33,08	36	8	2,10
M2,50 x 0,45	3	34,21	40	9	2,10
M3,00 x 0,50	3	18,11	40	11	2,70
M4,00 x 0,70	3	16,68	45	13	3,40
M5,00 x 0,80	3	18,12	50	16	4,90
M6,00 x 1,00	3	18,12	50	19	4,90
M7,00 x 1,00	3	25,01	50	19	4,90
M8,00 x 1,00	2	20,75	56	22	4,90
M8,00 x 1,25	3	21,82	56	22	4,90
M9,00 x 1,00	2	26,82	63	10	5,50
M9,00 x 1,25	3	38,71	63	22	5,50
M10,00 x 1,00	2	22,50	63	20	5,50
M10,00 x 1,25	2	22,91	70	24	5,50
M10,00 x 1,50	3	27,55	70	24	5,50
M11,00 x 1,00	2	39,77	63	20	6,20
M11,00 x 1,25	2	39,77	63	22	6,20
M11,00 x 1,50	3	53,39	70	24	6,20
M12,00 x 1,00	2	39,29	70	22	7,00
M12,00 x 1,25	2	39,45	70	22	7,00
M12,00 x 1,50	2	33,56	70	22	7,00
M12,00 x 1,75	3	35,82	75	29	7,00
M14,00 x 1,00	2	58,78	70	22	9,00
M14,00 x 1,25	2	48,22	70	22	9,00
M14,00 x 1,50	2	37,46	70	22	9,00
M14,00 x 2,00	3	47,13	80	30	9,00

Ø x P mm	Nº	€	L mm	l mm	Ø mm
M16,00 x 1,00	2	82,26	70	22	9,00
M16,00 x 1,25	2	86,59	70	22	9,00
M16,00 x 1,50	2	46,70	70	22	9,00
M16,00 x 2,00	3	66,36	80	32	9,00
M18,00 x 1,50	2	61,92	80	22	11,00
M18,00 x 2,00	2	98,52	80	22	11,00
M18,00 x 2,50	3	88,70	95	40	11,00
M20,00 x 1,50	2	77,27	80	22	12,00
M20,00 x 2,00	2	102,11	80	22	12,00
M20,00 x 2,50	3	99,69	95	40	12,00
M22,00 x 1,50	2	84,48	80	22	14,50
M22,00 x 2,00	2	135,84	80	22	14,50
M22,00 x 2,50	3	122,21	100	40	14,50
M24,00 x 1,50	2	107,84	90	22	14,50
M24,00 x 2,00	2	151,87	90	22	14,50
M24,00 x 3,00	3	153,94	110	50	14,50
M26,00 x 1,50	2	171,81	90	22	14,50
M26,00 x 2,00	2	354,56	90	22	14,50
M27,00 x 3,00	3	198,26	110	50	16,00
M28,00 x 1,50	2	190,88	90	22	16,00
M30,00 x 3,50	3	251,71	125	56	18,00
M33,00 x 3,50	3	319,35	125	56	20,00
M36,00 x 4,00	3	411,27	150	63	22,00
M39,00 x 4,00	3	456,99	150	63	24,00
M42,00 x 4,50	3	572,59	150	63	24,00

MACHOS DE MANO PERFIL COMPLETO

TARAUDS À MAIN PROFIL COMPLET / HANDS TAPS NON SERIAL FORM

2322

HSS DIN 352

UNC
ANSI/ASME
B1.1



Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3°
Tap 3° } PVP = € / 3



Ø x P mm	Nº	€	L mm	I mm	∠ mm
UNC4-40	3	45,82	40	12	2,70
UNC5-40	3	43,81	40	12	2,70
UNC6-32	3	43,81	45	14	3,00
UNC8-32	3	43,81	45	14	3,40
UNC10-24	3	43,81	50	16	4,90
UNC12-24	3	43,81	50	18	4,90
UNC1/4-20	3	35,46	50	19	4,90
UNC5/16-18	3	40,50	56	22	4,90
UNC3/8-16	3	45,79	70	24	5,50
UNC7/16-14	3	59,60	70	24	6,20
UNC1/2-13	3	68,60	75	29	7,00

Ø x P mm	Nº	€	L mm	I mm	∠ mm
UNC9/16-12	3	80,99	80	30	9,00
UNC5/8-11	3	111,72	80	32	9,00
UNC3/4-10	3	152,10	95	40	11,00
UNC7/8-9	3	187,34	100	40	14,50
UNC1"-8	3	253,01	110	50	14,50
UNC1", 1/8-7	3	386,23	132	56	18,00
UNC1", 1/4-7	3	486,16	132	56	18,00
UNC1", 3/8-6	3	616,73	150	63	22,00
UNC1", 1/2-6	3	757,24	150	63	24,00
UNC1" 3/4-5	3	943,36	160	70	29,00
UNC2"	3	1.084,49	190	85	32,00

2323

HSS DIN 352

Perfil completo / Profil complet / Non serial form

UNF
ANSI/ASME
B1.1



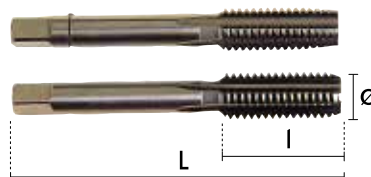
Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3°
Tap 3° } PVP = € / 2



Ø x P mm	Nº	€	L mm	I mm	∠ mm
UNF4-48	2	34,80	36	11	2,70
UNF5-44	2	34,80	36	11	2,70
UNF6-40	2	33,25	40	12	3,00
UNF8-36	2	33,25	40	12	3,40
UNF10-32	2	33,25	45	14	4,90
UNF12-28	2	34,80	50	14	4,90
UNF1/4-28	2	23,97	50	18	4,90
UNF5/16-24	2	25,65	56	22	4,90
UNF3/8-24	2	29,66	63	22	5,50
UNF7/16-20	2	39,38	63	22	6,20

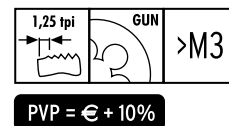
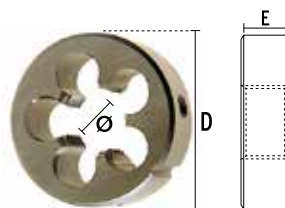
Ø x P mm	Nº	€	L mm	I mm	∠ mm
UNF1/2-20	2	40,27	75	24	7,00
UNF9/16-18	2	52,45	80	28	9,00
UNF5/8-18	2	67,74	80	28	9,00
UNF3/4-16	2	91,01	95	32	11,00
UNF7/8-14	2	116,95	100	36	14,50
UNF1"-12	2	155,06	110	40	14,50
UNF1", 1/8-12	2	241,46	110	50	18,00
UNF1", 1/4-12	2	304,57	132	56	18,00
UNF1" 3/8-12	2	386,80	132	56	22,00
UNF1", 1/2-12	2	473,61	150	63	24,00

2501
HSS DIN EN 22568
M
DIN 13

MF
DIN 13

Tol.
6g
Aceros 400 - 800 N/mm²
Aciers / Steel

Aplicaciones / Applications



Ø x P mm	€	D mm	E mm		Ø x P mm	€	D mm	E mm	
** M1,00 x 0,25	48,49	16	5	1	MF13,00x 1,00	55,62	38	10	1
** M1,10 x 0,25	80,06	16	5	1	MF13,00x 1,50	58,01	38	10	1
** M1,20 x 0,25	75,11	16	5	1	M13,00 x 1,75	58,01	38	14	1
** M1,40 x 0,30	68,82	16	5	1	MF14,00x 0,75	86,43	38	10	1
M1,60 x 0,35	65,03	16	5	1	MF14,00x 1,00	51,91	38	10	1
M1,70 x 0,35	65,03	16	5	1	MF14,00x 1,25	51,58	38	10	1
M1,80 x 0,35	65,03	16	5	1	MF14,00x 1,50	44,18	38	10	1
M2,00 x 0,40	27,52	16	5	1	M14,00 x 2,00	38,79	38	14	1
M2,20 x 0,45	64,42	16	5	1	MF15,00x 1,00	63,05	38	10	1
M2,30 x 0,40	27,52	16	5	1	MF15,00x 1,50	63,05	38	10	1
M2,50 x 0,45	27,52	16	5	1	M15,00 x 2,00	77,74	38	14	1
M2,60 x 0,45	27,52	16	5	1	MF16,00x 1,00	65,63	45	14	1
M3,00 x 0,50	23,67	20	5	1	MF16,00x 1,25	59,67	45	14	1
MF3,00 x 0,60	30,73	20	5	1	MF16,00x 1,50	49,18	45	14	1
MF3,50 x 0,60	24,43	20	5	1	M16,00 x 2,00	52,11	45	14	1
MF3,50 x 0,75	79,29	20	5	1	MF17,00x 1,00	93,83	45	14	1
MF4,00 x 0,50	29,23	20	5	1	MF17,00x 1,25	93,83	45	14	1
M4,00 x 0,70	23,67	20 / 25	5/9	1	MF17,00x 1,50	93,83	45	14	1
M4,50 x 0,75	31,91	20	5	1	MF18,00x 1,00	68,62	45	14	1
MF5,00 x 0,50	32,24	20	5	1	MF18,00x 1,25	78,00	45	14	1
MF5,00 x 0,75	34,23	20	7	1	MF18,00x 1,50	60,69	45	14	1
M5,00 x 0,80	23,67	20	7	1	MF18,00x 2,00	68,62	45	14	1
MF5,50 x 0,90	79,29	20	7	1	M18,00 x 2,50	52,11	45	18	1
MF6,00 x 0,50	31,37	20	7	1	MF19,00x 1,00	152,09	45	14	1
MF6,00 x 0,75	28,97	20	7	1	MF19,00x 1,25	152,09	45	14	1
M6,00 x 1,00	23,67	20	7	1	MF19,00x 1,50	154,81	45	14	1
MF7,00 x 0,75	30,56	25	9	1	MF20,00x 1,00	68,33	45	14	1
M7,00 x 1,00	25,80	25	9	1	MF20,00x 1,25	152,09	45	14	1
MF8,00 x 0,50	37,67	25	9	1	MF20,00x 1,50	62,63	45	14	1
MF8,00 x 0,75	30,56	25	9	1	MF20,00x 2,00	68,83	45	14	1
MF8,00 x 1,00	30,56	25	9	1	M20,00 x 2,50	52,11	45	18	1
M8,00 x 1,25	24,72	25	9	1	MF21,00x 1,00	176,41	45	14	1
MF9,00 x 1,00	34,07	25	9	1	MF21,00x 1,25	176,41	45	14	1
M9,00 x 1,25	36,39	25	9	1	MF21,00x 1,50	145,40	45	14	1
MF10,00 x 0,50	64,25	30	11	1	MF22,00x 1,00	93,31	55	16	1
MF10,00 x 0,75	47,59	30	11	1	MF22,00x 1,25	152,09	55	16	1
MF10,00 x 1,00	32,40	30	11	1	MF22,00x 1,50	80,28	55	16	1
MF10,00 x 1,25	40,58	30	11	1	MF22,00x 2,00	89,31	55	16	1
M10,00 x 1,50	35,29	30	11	1	M22,00 x 2,50	76,67	55	22	1
MF11,00 x 0,75	87,98	30	11	1	MF23,00x 1,50	176,41	55	16	1
MF11,00 x 1,00	47,33	30	11	1	MF24,00x 1,00	89,31	55	16	1
MF11,00 x 1,25	50,72	30	11	1	MF24,00x 1,25	152,09	55	16	1
M11,00 x 1,50	47,31	30	11	1	MF24,00x 1,50	80,28	55	16	1
MF12,00 x 0,75	54,99	38	10	1	MF24,00x 2,00	89,31	55	16	1
MF12,00 x 1,00	47,31	38	10	1	M24,00 x 3,00	76,67	55	22	1
MF12,00 x 1,25	47,31	38	10	1	MF25,00x 1,00	138,12	55	16	1
MF12,00x 1,50	42,26	38	10	1	MF25,00x 1,50	116,62	55	16	1
M12,00 x 1,75	38,79	38	14	1	MF26,00x 1,00	200,36	55	16	1
MF13,00x 0,75	87,98	38	10	1	MF26,00x 1,50	110,39	55	16	1

**Tol. 6h

(continúa Ref.2501 / suite Réf.2501 / Ref.2501 cont'd)

COJINETES FILIÉRES / DIES

(continúa Ref.2501 / suite Réf.2501 / Ref.2501 cont'd)

Ø x P mm	€	D mm	E mm	
MF26,00 x 2,00	200,36	55	16	1
MF27,00 x 1,00	123,30	65	18	1
MF27,00 x 1,50	121,40	65	18	1
MF27,00 x 2,00	132,03	65	18	1
M27,00 x 3,00	110,39	65	25	1
MF28,00 x 1,00	200,36	65	18	1
MF28,00 x 1,50	121,40	65	18	1
MF28,00 x 2,00	200,36	65	18	1
MF30,00 x 1,00	135,57	65	18	1
MF30,00 x 1,50	121,37	65	18	1
MF30,00 x 2,00	135,57	65	18	1
M30,00 x 3,50	113,89	65	25	1
MF32,00 x 1,00	203,93	65	18	1
MF32,00 x 1,50	128,27	65	18	1
MF32,00 x 2,00	200,36	65	18	1
MF33,00 x 1,50	121,40	65	18	1
MF33,00 x 2,00	132,20	65	18	1
M33,00 x 3,50	113,89	65	25	1
MF34,00 x 1,50	126,65	65	18	1
MF34,00 x 2,00	284,12	65	18	1
MF35,00 x 1,50	131,38	65	18	1
MF35,00 x 2,00	284,12	65	18	1
MF36,00 x 1,50	124,35	65	18	1
MF36,00 x 2,00	132,20	65	18	1
MF36,00 x 3,00	143,88	65	25	1
M36,00 x 4,00	118,08	65	25	1
MF38,00 x 1,50	188,09	75	20	1
MF38,00 x 2,00	360,05	75	20	1

Ø x P mm	€	D mm	E mm	
MF39,00 x 1,50	189,00	75	20	1
MF39,00 x 2,00	199,57	75	20	1
MF39,00 x 3,00	226,79	75	30	1
M39,00 x 4,00	177,24	75	30	1
MF40,00 x 1,50	196,23	75	20	1
MF40,00 x 2,00	199,57	75	20	1
MF40,00 x 3,00	217,67	75	30	1
MF42,00 x 1,50	257,95	75	20	1
MF42,00 x 2,00	288,35	75	20	1
MF42,00 x 3,00	300,84	75	30	1
M42,00 x 4,50	177,24	75	30	1
MF45,00 x 1,50	257,95	90	22	1
MF45,00 x 2,00	288,35	90	22	1
MF45,00 x 3,00	300,84	90	36	1
M45,00 x 4,50	271,07	90	36	1
MF48,00 x 1,50	259,58	90	22	1
MF48,00 x 2,00	265,36	90	22	1
MF48,00 x 3,00	288,35	90	36	1
M48,00 x 5,00	271,39	90	36	1
MF50,00 x 1,50	257,95	90	22	1
MF52,00 x 1,50	257,95	90	36	1
MF52,00 x 2,00	299,79	90	22	1
MF52,00 x 3,00	327,17	90	36	1
M52,00 x 5,00	271,39	90	36	1
M56,00 x 5,50	484,51	105	36	1
M60,00 x 5,50	484,51	105	36	1
MF63 x 1,50	914,47	105	22	1
M64,00 x 6,00	579,34	120	36	1

2501/5

HSS DIN EN 22568

Izquierda / A gauche / Left hand

M
DIN 13

MF
DIN 13

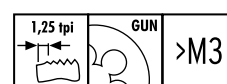
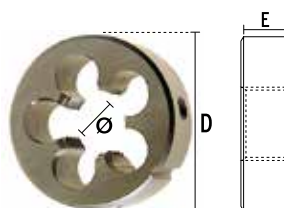
Tol.
6g

LH


Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
M3 x 0,50	47,33	20	5	1
M4 x 0,70	47,33	20	5	1
M5 x 0,80	47,33	20	7	1
M6 x 1,00	47,33	20	7	1
M7 x 1,00	51,60	25	9	1
MF8 x 1,00	61,09	25	9	1
M8 x 1,25	49,44	25	9	1
MF10 x 1,00	64,82	30	11	1
MF10 x 1,25	81,17	30	11	1
M10 x 1,50	70,58	30	11	1
MF12 x 1,25	94,63	38	10	1
MF12 x 1,50	70,58	38	10	1
M12 x 1,75	77,57	38	14	1
MF14 x 1,50	88,39	38	10	1

Ø x P mm	€	D mm	E mm	
M14 x 2,00	77,56	38	14	1
MF16 x 1,50	98,37	45	14	1
M16 x 2,00	104,23	45	18	1
MF18 x 1,50	121,37	45	14	1
M18 x 2,50	104,23	45	18	1
MF20 x 1,50	125,25	45	14	1
M20 x 2,50	104,23	45	18	1
MF22 x 1,50	160,57	55	16	1
M22 x 2,50	153,33	55	22	1
MF24 x 1,50	160,57	55	16	1
M24 x 3,00	153,33	55	22	1
M27 x 3,00	220,76	65	25	1
M30 x 3,50	227,77	65	25	1

2514

HSSE DIN EN 22568

M
DIN 13

MF
DIN 13

Tol.
6g

NIT

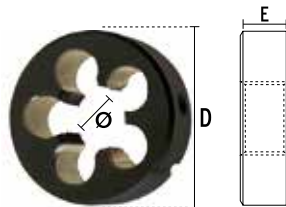
2 tpi

GUN

Aceros 800 - 1100 N/mm²

Aciers / Steel

Aplicaciones / Applications



Ø x P mm	€	D mm	E mm	
M3 x 0,50	37,93	20	5	1
M4 x 0,70	37,93	20	5	1
M5 x 0,80	37,93	20	7	1
M6 x 1,00	37,93	20	7	1
M8 x 1,25	39,63	25	9	1

Ø x P mm	€	D mm	E mm	
M10 x 1,50	56,53	30	11	1
M12 x 1,75	62,15	38	14	1
M14 x 2,00	64,64	38	14	1
M16 x 2,00	86,80	45	18	1

2512

HSSE DIN EN 22568

M
DIN 13

Tol.
6g

VAP

2 tpi

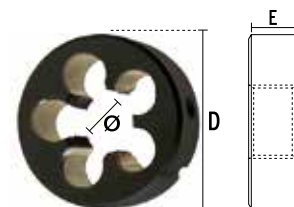
GUN

Aceros inoxidables

Aciers inox / Stainless Steel

1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	D mm	E mm	
M3,00 x 0,50	32,21	20	5	1
M4,00 x 0,70	32,21	20	5	1
M5,00 x 0,80	32,21	20	7	1
M6,00 x 1,00	32,21	20	7	1
M8,00 x 1,25	33,65	25	9	1
M10,00 x 1,50	48,05	30	11	1

Ø x P mm	€	D mm	E mm	
M12,00 x 1,75	52,82	38	14	1
M14,00 x 2,00	53,88	38	14	1
M16,00 x 2,00	72,33	45	18	1
M18,00 x 2,50	72,33	45	18	1
M20,00 x 2,50	72,33	45	18	1

2502

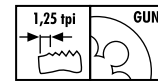
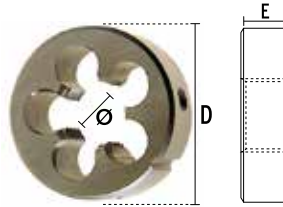
HSS DIN EN 22568

BSW
BS 84

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
W3/32 - 48h	32,60	16	5	1
W1/8 - 40h	26,43	20	5	1
W5/32 - 32h	26,43	20	5	1
W3/16 - 24h	26,43	20	7	1
W7/32 - 24h	26,43	20	7	1
W1/4 - 20h	26,43	20	7	1
W5/16 - 18h	27,56	25	9	1
W3/8 - 16h	39,92	30	11	1
W7/16 - 14h	39,92	38	14	1
W1/2 - 12h	39,92	38	14	1
W9/16 - 12h	47,83	38	14	1
W5/8 - 11h	58,09	45	14	1

Ø x P mm	€	D mm	E mm	
W3/4 - 10h	58,08	45	18	1
W7/8 - 9h	85,42	55	22	1
W1" - 8h	85,42	55	22	1
W1" 1/8 - 7h	134,48	65	25	1
W1" 1/4 - 7h	134,48	65	25	1
W1" 3/8 - 6h	136,96	65	25	1
W1" 1/2 - 6h	208,17	75	30	1
W1" 5/8 - 5h	276,70	75	30	1
W1" 3/4 - 5h	348,22	90	36	1
W1" 7/8 - 4,5h	381,00	90	36	1
W2" - 4,5h	362,70	90	36	1

2502/5

HSS DIN EN 22568

Izquierda / A gauche / Left hand

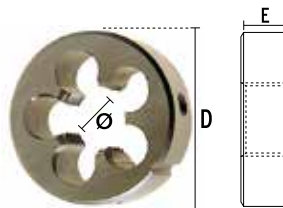
BSW
BS 84



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
W1/8 - 40h	52,86	20	5	1
W5/32 - 32h	52,86	20	5	1
W3/16 - 24h	52,86	20	7	1
W1/4 - 20h	52,86	20	7	1
W5/16 - 18h	55,13	25	9	1
W3/8 - 16h	79,85	30	11	1

Ø x P mm	€	D mm	E mm	
W7/16 - 14h	79,85	38	14	1
W1/2 - 12h	79,85	38	14	1
W9/16 - 12h	95,66	38	14	1
W5/8 - 11h	116,19	45	18	1
W7/8 - 9h	170,86	55	22	1
W1" - 8h	170,86	55	22	1

2503

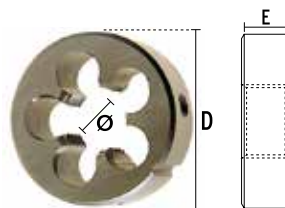
HSS DIN EN 22568

BSF
BS 84

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
BSF3/16 - 32h	119,61	20	7	1
BSF1/4 - 26h	41,65	20	7	1
BSF5/16 - 22h	41,52	25	9	1
BSF3/8 - 20h	72,82	30	11	1
BSF7/16 - 18h	72,82	30	11	1
BSF1/2 - 16h	72,82	38	10	1

Ø x P mm	€	D mm	E mm	
BSF9/16 - 16h	81,20	38	10	1
BSF5/8 - 14h	102,60	45	14	1
BSF3/4 - 12h	102,60	45	14	1
BSF7/8 - 11h	151,70	55	22	1
BSF1" - 10h	151,70	55	22	1

*(Hasta fin de existencias / Jusqu'à épuisement des stocks / While supplies last)

2504

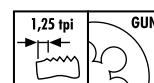
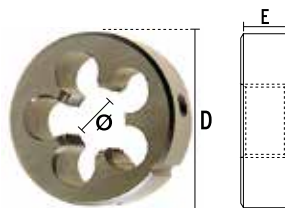
HSS DIN EN 24231

G
ISO 228

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
G1/8 - 28h	42,53	30	10	1
G1/4 - 19h	42,53	38	10	1
G3/8 - 19h	54,99	45	14	1
G1/2 - 14h	54,99	45	14	1
G5/8 - 14h	76,25	55	16	1
G3/4 - 14h	113,97	55	16	1
G7/8 - 14h	119,30	65	18	1

Ø x P mm	€	D mm	E mm	
G1" - 11h	119,30	65	18	1
G1 1/8 - 11h	170,06	75	20	1
G1 1/4 - 11h	167,37	75	20	1
G1 3/8 - 11h	263,83	90	22	1
G1 1/2 - 11h	256,39	90	22	1
G1 3/4 - 11h	263,83	105	22	1
G2" - 11h	317,52	105	22	1

*(Hasta fin de existencias / Jusqu'à épuisement des stocks / While supplies last)

2504/5

HSS DIN EN 24231

Izquierda / A gauche / Left hand

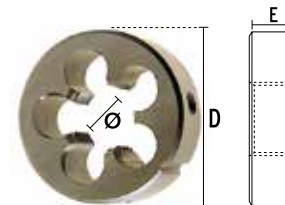
G
ISO 228



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
G1/8 - 28h	85,04	30	10	1
G1/4 - 19h	85,04	38	10	1
G3/8 - 19h	109,97	45	14	1
G1/2 - 14h	109,97	45	14	1

Ø x P mm	€	D mm	E mm	
G5/8 - 14h	152,52	55	16	1
G3/4 - 14h	227,96	55	16	1
G7/8 - 14h	238,62	65	18	1
G1" - 11h	238,62	65	18	1

*(Hasta fin de existencias / Jusqu'à épuisement des stocks / While supplies last)

206

Керуц

2522 HSS DIN EN 24231

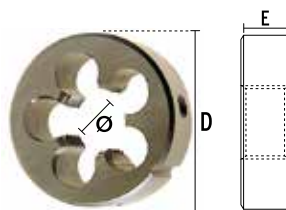


G
ISO 228

Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P mm	€	D mm	E mm	
G 1/8 - 28h	50,56	30	11	1
G 1/4 - 19h	50,56	38	10	1
G 3/8 - 19h	65,43	45	14	1
G 1/2 - 14h	65,43	45	14	1

Ø x P mm	€	D mm	E mm	
G 5/8 - 14h	103,32	55	16	1
G 3/4 - 14h	135,50	55	16	1
G 7/8 - 14h	141,86	65	18	1
G 1" - 11h	141,86	65	18	1

2521 HSS DIN EN 24231



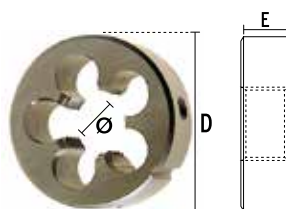
- 0,1

G
ISO 228

Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P mm	€	D mm	E mm	
G 1/8 - 28h	55,61	30	11	1
G 1/4 - 19h	55,61	38	10	1
G 3/8 - 19h	71,96	45	14	1
G 1/2 - 14h	71,96	45	14	1

Ø x P mm	€	D mm	E mm	
G 5/8 - 14h	143,56	55	16	1
G 3/4 - 14h	149,06	55	16	1
G 7/8 - 14h	181,21	65	18	1
G 1" - 11h	181,21	65	18	1

2505

HSS DIN EN 22568

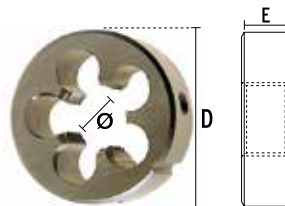
UNC
ANSI/ASME
B1.1

Tol.
2A

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
Nº4 - 40h	33,97	20	5	1
Nº5 - 40h	33,97	20	5	1
Nº6 - 32h	33,97	20	5	1
Nº8 - 32h	33,97	20	7	1
Nº10 - 24h	33,97	20	7	1
Nº12 - 24h	33,97	20	7	1
1/4 - 20h	31,27	20	7	1
5/16 - 18h	30,56	25	9	1
3/8 - 16h	45,00	30	11	1
7/16 - 14h	45,00	30	11	1
1/2 - 13h	46,31	38	14	1

Ø x P mm	€	D mm	E mm	
9/16 - 12h	48,46	38	14	1
5/8 - 11h	63,59	45	18	1
3/4 - 10h	63,59	45	18	1
7/8 - 9h	83,18	55	22	1
1" - 8h	83,18	55	22	1
1"1/8 - 7h	123,54	65	25	1
1"1/4 - 7h	123,54	65	25	1
1"3/8 - 6h	123,54	65	25	1
1"1/2 - 6h	192,64	75	25	1
1"3/4 - 5h	412,79	90	36	1
2" - 4,5h	418,36	90	36	1

2505/5

HSS DIN EN 22568

Izquierda / A gauche / Left hand

UNC
ANSI/ASME
B1.1

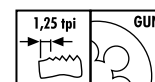
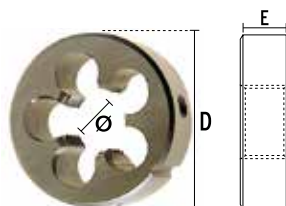
Tol.
2A



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
UNC 1/4 - 20h	62,54	20	7	1
UNC 5/16 - 18h	61,09	25	9	1
UNC 3/8 - 16h	90,01	30	11	1
UNC 7/16 - 14h	90,01	30	11	1
UNC 1/2 - 13h	92,61	38	14	1

Ø x P mm	€	D mm	E mm	
UNC 9/16 - 12h	96,94	38	14	1
UNC 5/8 - 11h	127,18	45	18	1
UNC 3/4 - 10h	127,18	45	18	1
UNC 7/8 - 9h	166,39	55	22	1
UNC 1" - 7h	166,39	55	22	1

2506

HSS DIN EN 22568

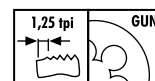
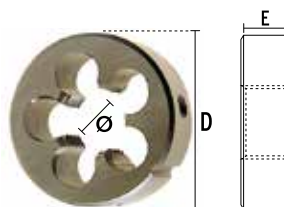
UNF
ANSI/ASME
B1.1

Tol.
2A

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
Nº4 - 48h	34,27	16	5	1
Nº5 - 44h	34,27	20	5	1
Nº6 - 40h	34,27	20	5	1
Nº8 - 36h	34,27	20	5	1
Nº10 - 32h	34,27	20	7	1
Nº12 - 28h	33,60	20	7	1
1/4 - 28h	27,14	20	7	1
5/16 - 24h	32,27	25	9	1
3/8 - 24h	45,29	30	11	1
7/16 - 20h	41,64	30	11	1

Ø x P mm	€	D mm	E mm	
1/2 - 20h	47,54	38	10	1
9/16 - 18h	51,20	38	10	1
5/8 - 18h	65,44	45	14	1
3/4 - 16h	65,44	45	14	1
7/8 - 14h	87,89	55	16	1
1" - 12h	87,89	55	16	1
1"1/8 - 12h	135,35	65	18	1
1"1/4 - 12h	135,35	65	18	1
1"3/8 - 12h	202,44	65	18	1
1"1/2 - 12h	202,44	75	20	1

2506/5

HSS DIN EN 22568

Izquierda / A gauche / Left hand

UNF
ANSI/ASME
B1.1

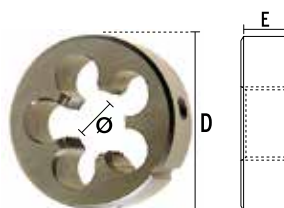
Tol.
2A



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

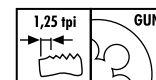
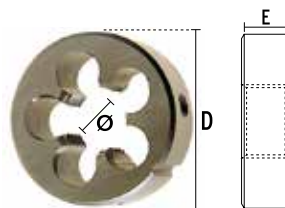
Ø x P mm	€	D mm	E mm	
UNF 1/4 - 28h	54,30	20	7	1
UNF 5/16 - 24h	64,54	25	9	1
UNF 3/8 - 24h	90,56	30	11	1
UNF 7/16 - 20h	83,28	30	11	1
UNF 1/2 - 20h	95,08	38	10	1

Ø x P mm	€	D mm	E mm	
UNF 9/16 - 18h	102,40	38	10	1
UNF 5/8 - 18h	130,87	45	14	1
UNF 3/4 - 16h	130,87	45	14	1
UNF 7/8 - 14h	175,76	55	16	1
UNF 1" - 12h	175,76	55	16	1

2507
HSS DIN EN 24230
R
DIN 2999

Aceros 400 - 800 N/mm²
Aciers / Steel

Aplicaciones / Applications



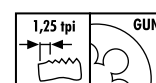
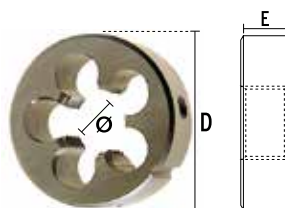
PVP = € + 10%

Ø x P mm	€	D mm	E mm	
R1/8 - 28h	100,08	30	11	1
R1/4 - 19h	100,08	38	14	1
R3/8 - 19h	130,35	45	18	1

Ø x P mm	€	D mm	E mm	
R1/2 - 14h	130,35	55	22	1
R3/4 - 14h	246,11	55	22	1
R1" - 11h	262,23	65	25	1

2508
HSS DIN EN 22568
UNE F
ANSI/ASME
B1.1
Tol. 2A
Aceros 400 - 800 N/mm²
Aciers / Steel

Aplicaciones / Applications



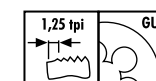
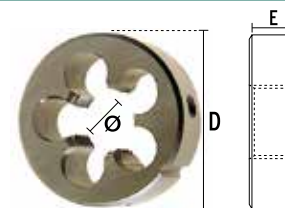
PVP = € + 10%

Ø x P mm	€	D mm	E mm	
1/4 - 32h	102,30	20	7	1
5/16 - 32h	102,30	25	9	1
3/8 - 32h	158,84	30	11	1
7/16 - 28h	158,84	30	11	1
1/2 - 28h	158,84	38	10	1

Ø x P mm	€	D mm	E mm	
9/16 - 24h	158,84	38	10	1
5/8 - 24h	254,59	45	14	1
3/4 - 20h	254,59	45	14	1
1" - 20h	311,16	55	16	1

2520
HSS DIN EN 22568
UN
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B1.1
Tol. 2A
Aceros 400 - 800 N/mm²
Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
UN 1"1/8 - 8h	338,52	65	25	1
UN 1"1/4 - 8h	338,52	65	25	1
UN 1"3/8 - 8h	363,15	65	25	1
UN 1"1/2 - 8h	384,35	75	30	1

Ø x P mm	€	D mm	E mm	
UN 1"5/8 - 8h	484,73	75	30	1
UN 1"3/4 - 8h	589,62	90	36	1
UN 2" - 8h	589,62	90	36	1

2510

HSS DIN 40434

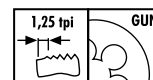
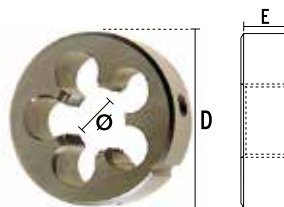
PG

DIN 40430

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
Pg.7 (12,50 x 20h)	60,76	38	10	1
Pg.9 (15,20 x 18h)	60,76	45	14	1
Pg.11 (18,60 x 18h)	76,10	45	14	1
Pg.13,5 (20,40 x 18h)	76,10	45	14	1
Pg.16 (22,50 x 18h)	98,12	55	16	1

Ø x P mm	€	D mm	E mm	
Pg.21 (28,30 x 16h)	139,47	65	18	1
Pg.29 (37,00 x 16h)	139,47	65	18	1
Pg.36 (47,00 x 16h)	357,45	90	22	1
Pg.42 (54,00 x 16h)	357,45	105	22	1
Pg.48 (59,30 x 16h)	474,05	105	22	1

2509

HSS DIN EN 24230

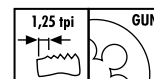
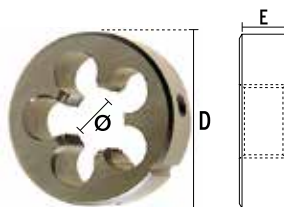
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Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
1/16 - 27h	77,35	25	9	1
1/8 - 27h	63,82	30	10	1
1/4 - 18h	63,82	38	14	1
3/8 - 18h	83,34	45	18	1
1/2 - 14h	83,34	45	18	1

Ø x P mm	€	D mm	E mm	
3/4 - 14h	152,42	55	22	1
1" - 11,50h	183,27	65	25	1
1"1/4 - 11,50h	227,73	75	26	1
1"1/2 - 11,50h	317,69	90	27	1
2" - 11,50h	442,31	105	28	1

INSERTOS ROSCADOS

FILETS RAPPORTES / WIRE THREAD INSERTS

2701

HSS ISO 529

M
DIN 13

Form.
D

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	Z	d mm
M2,00 x 0,40	12,50	44,50	9,50	2,24	3	2,8
M2,20 x 0,45	12,50	44,50	9,50	2,24	3	2,8
M2,50 x 0,45	12,50	48	11	2,50	3	3,2
M3,00 x 0,50	8,11	53	13	3,15	3	4,0
M3,50 x 0,60	8,11	53	13	3,55	3	4,5
M4,00 x 0,70	9,85	58	16	4,00	3	5,0
M5,00 x 0,80	10,17	66	19	5,00	3	6,3
M6,00 x 1,00	10,17	72	22	6,30	3	8,0
M7,00 x 1,00	16,37	72	22	7,10	3	9,0
M8,00 x 1,00	16,37	80	24	8,00	3	10,0
M8,00 x 1,25	14,06	80	24	8,00	3	10,0
M9,00 x 1,25	20,34	85	25	6,30	3	8,0
M10,00 x 1,00	19,85	85	25	6,30	3	8,0
M10,00 x 1,25	19,85	85	25	6,30	3	8,0
M10,00 x 1,50	18,28	89	29	7,10	3	9,0
M11,00 x 1,50	23,32	89	29	7,10	3	9,0
M12,00 x 1,00	28,37	95	30	9,00	3	11,2
M12,00 x 1,25	28,37	95	30	9,00	3	11,2
M12,00 x 1,50	28,37	95	30	9,00	3	11,2
M12,00 x 1,75	20,10	95	30	9,00	3	11,2

Ø x P mm	€	L mm	I mm	∠ mm	Z	d mm
M14,00 x 1,25	33,24	102	32	10,00	3	10,0
M14,00 x 1,50	33,24	102	32	10,00	3	10,0
M14,00 x 1,75	33,24	102	32	10,00	3	10,0
M14,00 x 2,00	27,86	102	32	10,00	3	10,0
M15,00 x 1,50	34,95	102	32	10,00	3	10,0
M15,00 x 2,00	34,95	112	37	11,20	3	11,2
M16,00 x 1,50	34,95	112	37	11,20	4	14,0
M16,00 x 2,00	34,95	112	37	11,20	4	14,0
M18,00 x 1,50	34,95	104	29	11,20	4	11,2
M18,00 x 2,00	43,70	104	29	11,20	4	14,0
M18,00 x 2,50	43,70	118	38	12,50	4	16,0
M20,00 x 1,50	48,48	113	33	12,50	4	16,0
M20,00 x 2,00	48,48	113	33	12,50	4	16,0
M20,00 x 2,50	48,48	118	38	12,50	4	16,0
M22,00 x 1,50	54,77	120	35	14,00	4	18,0
M22,00 x 2,00	54,77	120	35	14,00	4	18,0
M22,00 x 2,50	54,77	130	45	14,00	4	18,0
M24,00 x 1,50	69,03	120	35	14,00	4	18,0
M24,00 x 2,00	69,03	127	37	16,00	4	20,0
M24,00 x 3,00	69,03	138	48	16,00	4	20,0

2702

HSS ISO 529

UNC
ANSI/ASME
B1.1

Form.
D

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
UNC No.2 x 56	20,51	48	9,50	2,50	3,2
UNC No.4 x 40	20,51	53	13	3,15	4,0
UNC No.6 x 32	20,51	58	16	4,00	5,0
UNC No.8 x 32	20,51	62	17	4,50	5,6
UNC No.10 x 24	13,72	66	19	5,00	6,3
UNC No.12 x 24	13,72	66	19	5,60	7,1
UNC 1/4 x 20	13,72	72	22	6,30	8,0
UNC 5/16 x 18	14,48	80	24	8,00	10,0
UNC 3/8 x 16	15,63	85	25	6,30	8,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
UNC 7/16 x 14	22,08	95	30	9,00	11,2
UNC 1/2 x 13	23,74	102	32	10,00	12,5
UNC 9/16 x 12	36,88	112	37	11,20	14,0
UNC 5/8 x 11	44,25	112	37	11,20	14,0
UNC 11/16 x 11	58,87	112	37	11,20	14,0
UNC 3/4 x 10	58,87	118	38	12,50	16,0
UNC 7/8 x 9	68,13	130	45	14,00	18,0
UNC 1" x 8	68,13	138	48	16,00	20,0

INSERTOS ROSCADOS

FILETS RAPPORTES / WIRE THREAD INSERTS

2703

HSS ISO 529

UNF
ANSI/ASME
B1.1

Form.
D

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
UNF No.4 x 48	20,51	53	13	3,15	4,0
UNF No.6 x 40	20,51	53	13	3,55	4,5
UNF No.8 x 36	20,51	62	17	4,50	5,6
UNF No.10x 32	13,72	66	19	5,00	6,3
UNF 1/4 x 28	13,72	69	19	6,30	8,0
UNF 5/16 x 24	14,48	76	20	8,00	10,0
UNF 3/8 x 24	15,63	82	22	6,30	8,0
UNF 7/16 x 20	22,08	84	24	7,10	9,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
UNF 1/2 x 20	23,74	90	25	9,00	11,2
UNF 9/16 x 18	36,88	104	29	10,00	12,5
UNF 5/8 x 18	44,25	104	29	11,20	12,5
UNF 3/4 x 16	58,87	104	29	11,20	14,0
UNF 7/8 x 14	68,13	120	35	14,00	18,0
UNF 1" x 14	68,13	127	37	16,00	20,0
UNF 1" x 12	68,13	127	37	16,00	20,0

2704

HSS ISO 529

BSW
BS 84

Form.
D

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
BSW 1/8 x 40	13,72	53	13	3,15	4,0
BSW 3/16 x 24	13,72	66	19	5,00	6,3
BSW 1/4 x 20	13,72	72	22	6,30	8,0
BSW 5/16 x 18	14,48	80	24	8,00	10,0
BSW 3/8 x 16	15,63	85	25	6,30	8,0
BSW 7/16 x 14	22,08	95	30	9,00	11,2
BSW 1/2 x 12	23,74	102	32	10,00	12,5

Ø x P mm	€	L mm	l mm	∠ mm	d mm
BSW 9/16 x 12	36,88	102	32	10,00	12,5
BSW 5/8 x 11	44,25	112	37	11,20	14,0
BSW 11/16x 11	58,87	112	37	11,20	14,0
BSW 3/4 x 10	58,87	118	38	12,50	12,5
BSW 7/8 x 9	68,13	130	45	14,00	18,0
BSW 1" x 8	68,13	138	48	16,00	20,0

2715

HSS ISO 529

G
ISO 229

Form.
D

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
G 1/8x28	15,45	59	15	6,3	8,0
G 1/4x19	18,10	67	19	9,0	11,2

Ø x P mm	€	L mm	l mm	∠ mm	d mm
G 3/8x19	23,83	75	21	11,2	14,0
G 1/2x14	36,60	87	26	12,5	16,0

INSERTOS ROSCADOS

FILETS RAPPORTES / WIRE THREAD INSERTS

2705

DIN 8140

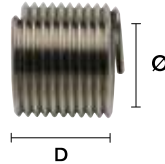
M
DIN 13

Tol.
6H

Aceros 400 - 800 N/mm²

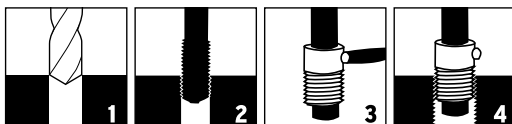
Aciers / Steel

Aplicaciones / Applications



Ø x P mm	Dmm.					
	1,0 Ø €	1,5 Ø €	2,0 Ø €	2,5 Ø € *	3,0 Ø € *	
M2,00 x 0,40	0,36	0,38	0,39	0,41	0,46	10
M2,20 x 0,45	0,34	0,36	0,38	0,39	0,34	10
M2,50 x 0,45	0,29	0,32	0,34	0,36	0,39	10
M3,00 x 0,50	0,26	0,27	0,29	0,36	0,39	10
M3,50 x 0,60	0,34	0,36	0,38	0,39	0,43	10
M4,00 x 0,70	0,26	0,27	0,29	0,34	0,38	10
M5,00 x 0,80	0,26	0,27	0,29	0,34	0,38	10
M6,00 x 1,00	0,26	0,27	0,29	0,34	0,38	10
M7,00 x 1,00	0,29	0,32	0,34	0,41	0,46	10
M8,00 x 1,00	0,32	0,36	0,43	0,60	0,70	10
M8,00 x 1,25	0,29	0,36	0,41	0,51	0,62	10
M9,00 x 1,25	0,45	0,51	0,63	0,79	0,91	10
M10,00 x 1,00	0,34	0,41	0,54	0,76	0,91	10
M10,00 x 1,25	0,34	0,41	0,54	0,76	0,91	10
M10,00 x 1,50	0,34	0,41	0,54	0,67	0,81	10
M11,00 x 1,50	0,46	0,72	0,97	1,32	1,64	10
M12,00 x 1,00	0,41	0,65	0,87	1,32	1,64	10
M12,00 x 1,25	0,41	0,65	0,87	1,32	1,64	10
M12,00 x 1,50	0,41	0,65	0,87	1,32	1,64	10
M12,00 x 1,75	0,41	0,65	0,87	1,17	1,46	10
M14,00 x 1,00	1,01	1,28	1,64	2,03	2,33	10
M14,00 x 1,25	1,01	1,28	1,64	2,03	2,33	10
M14,00 x 1,50	1,01	1,28	1,64	2,03	2,33	10
M14,00 x 2,00	0,71	0,90	1,15	2,03	2,33	10
M16,00 x 1,50	1,35	1,68	2,08	2,51	2,95	10
M16,00 x 2,00	0,95	1,18	1,46	2,51	2,98	10
M18,00 x 1,50	1,84	2,40	2,92	3,47	3,98	10
M18,00 x 2,00	1,84	2,40	2,94	3,47	3,96	10
M18,00 x 2,50	1,47	1,94	2,34	3,47	3,96	10
M20,00 x 1,50	2,22	2,90	3,52	4,55	5,23	10
M20,00 x 2,00	2,22	2,90	3,52	4,55	5,23	10
M20,00 x 2,50	1,78	2,32	2,82	4,55	5,23	10
M22,00 x 1,50	3,07	3,84	4,75	6,16	7,17	5
M22,00 x 2,00	3,07	3,84	4,75	6,16	7,17	5
M22,00 x 2,50	2,46	3,07	3,80	6,16	7,17	5
M24,00 x 1,50	3,84	5,03	6,11			5
M24,00 x 2,00	3,84	5,03	6,11			5
M24,00 x 3,00	3,84	5,03	6,11			5

* Bajo pedido
Sur commande
To-order



MODOS DE EMPLEO / MODE D'EMPLOI / HOW TO USE

- 1- Taladrado previo / Perçage préalable / Previous drilling
- 2- Roscado previo / Taraudage préalable / Previous threading
- 3- Instalación del inserto en la herramienta / Pose de l'insert dans l'outil / Placement of the insert in the tool
- 4- Introducción del inserto en la rosca / Introduction de l'insert dans le filet / Introduction of the insert in the coil

INSERTOS ROSCADOS

FILETS RAPPORTES / WIRE THREAD INSERTS

2706

DIN 8140

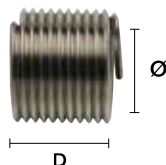
UNC
ANSI/ASME
B1.1

Tol.
2B

Aceros 400 - 800 N/mm²

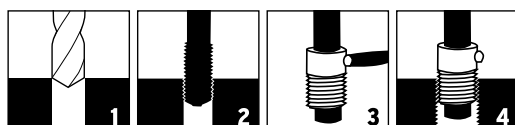
Aciers / Steel

Aplicaciones / Applications



Ø x P mm	Dmm.					
	1,0 Ø €	1,5 Ø €	2,0 Ø €	2,5 Ø € *	3,0 Ø € *	
UNC N° 2 x 56	0,60	0,51	0,72	0,79	0,86	10
UNC N° 4 x 40	0,46	0,41	0,51	0,62	0,67	10
UNC N° 5 x 40	0,50	0,46	0,58	0,67	0,75	10
UNC N° 6 x 32	0,46	0,41	0,51	0,62	0,67	10
UNC N° 8 x 32	0,46	0,41	0,51	0,63	0,72	10
UNC N° 10 x 24	0,46	0,50	0,51	0,63	0,72	10
UNC N° 12 x 24	0,51	0,54	0,63	0,62	0,67	10
UNC 1/4 x 20	0,46	0,41	0,51	0,65	0,65	10
UNC 5/16 x 18	0,51	0,50	0,62	1,01	1,08	10
UNC 3/8 x 16	0,60	0,60	0,95	1,30	1,56	10
UNC 7/16 x 14	0,68	0,68	1,11	1,56	1,86	10
UNC 1/2 x 13	0,75	0,92	1,52	2,25	2,79	10
UNC 9/16 x 12	1,41	1,58	2,65	3,26	3,78	5
UNC 5/8 x 11	1,92	2,05	3,36	4,03	4,79	5
UNC 3/4 x 10	2,59	2,95	4,73	5,57	6,41	5
UNC 7/8 x 9	4,12	3,93	6,36	7,53	8,77	5
UNC 1" x 8	5,17	5,11	8,20	10,72	12,32	5

* Bajo pedido
Sur commande
To-order



MODO DE EMPLEO / MODE D'EMPLOI / HOW TO USE

1- Taladrado previo / Perçage préalable / Previous drilling

2- Roscado previo / Taraudage préalable / Previous threading

3- Instalación del inserto en la herramienta / Pose de l'insert dans l'outil / Placement of the insert in the tool

4- Introducción del inserto en la rosca / Introduction de l'insert dans le filet / Introduction of the insert in the coil

INSERTOS ROSCADOS

FILETS RAPPORTES / WIRE THREAD INSERTS

2707

DIN 8140

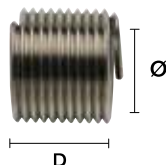
UNF
ANSI/ASME
B1.1

Tol.
2B

Aceros 400 - 800 N/mm²

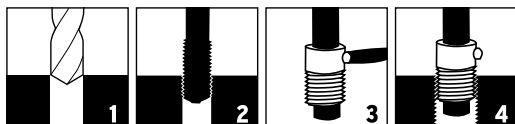
Aciers / Steel

Aplicaciones / Applications



Ø x P mm	Dmm.					
	1,0 Ø €	1,5 Ø €	2,0 Ø €	2,5 Ø € *	3,0 Ø € *	
UNF 4 x 48	0,46	0,41	0,51	0,62	0,67	10
UNF 6 x 40	0,46	0,41	0,51	0,62	0,67	10
UNF 8 x 36	0,51	0,41	0,58	0,63	0,72	10
UNF 10 x 32	0,46	0,41	0,51	0,65	0,72	10
UNF 1/4 x 28	0,46	0,41	0,51	0,63	0,72	10
UNF 5/16 x 24	0,51	0,51	0,75	1,01	1,19	10
UNF 3/8 x 24	0,60	0,60	0,95	1,30	1,56	10
UNF 7/16 x 20	0,68	0,68	1,11	1,54	1,86	10
UNF 1/2 x 20	0,72	0,92	1,52	2,25	2,79	10
UNF 9/16 x 18	1,49	1,58	2,65	3,26	3,78	5
UNF 5/8 x 18	2,00	2,05	3,36	4,03	4,79	5
UNF 3/4 x 16	2,71	2,95	4,73	5,57	6,41	5
UNF 7/8 x 14	4,12	3,93	6,36	7,53	8,77	5
UNF 1" x 12	5,17	5,11	8,20	10,72	12,32	5
UNF 1" 1/8 x 12	8,65	8,60	13,04			5
UNF 1" 1/4 x 12	9,56	14,85				5
UNF 1" 3/8 x 12	11,34	10,68				5
UNF 1" 1/2 x 12	11,96	12,92				5

* Bajo pedido
Sur commande
To-order



MODO DE EMPLEO / MODE D'EMPLOI / HOW TO USE

- 1- Taladrado previo / Perçage préalable / Previous drilling
- 2- Roscado previo / Taraudage préalable / Previous threading
- 3- Instalación del inserto en la herramienta / Pose de l'insert dans l'outil / Placement of the insert in the tool
- 4- Introducción del inserto en la rosca / Introduction de l'insert dans le filet / Introduction of the insert in the coil

INSERTOS ROSCADOS
FILETS RAPPORTES / WIRE THREAD INSERTS

2708

DIN 8140

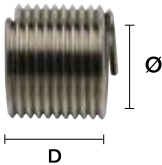
BSW
BS 84

Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



Ø x P mm	Dmm.					
	1,0 Ø €	1,5 Ø €	2,0 Ø €	2,5 Ø € *	3,0 Ø € *	
BSW 1/8 x 48	0,58	0,46	0,63	0,67	0,75	10
BSW 3/16 x 24	0,51	0,41	0,58	0,67	0,75	10
BSW 1/4 x 20	0,51	0,41	0,58	0,70	0,81	10
BSW 5/16 x 18	0,58	0,51	0,82	1,11	1,30	10
BSW 3/8 x 16	0,65	0,60	1,05	1,41	1,71	10
BSW 7/16 x 14	0,75	0,68	1,23	1,71	2,05	10
BSW 1/2 x 12	0,72	1,11	1,52	2,46	3,06	10
BSW 9/16 x 12	1,64	1,76	2,65	3,57	4,14	5
BSW 5/8 x 11	2,19	2,05	3,36	4,43	5,23	5
BSW 3/4 x 10	3,00	2,95	3,98	5,15	7,04	5
BSW 7/8 x 9	3,74	3,14	5,79	7,50	8,75	5
BSW 1" x 8	4,70	4,10	7,47	9,74	11,20	5

* Bajo pedido
Sur commande
To-order



2716

DIN 8140

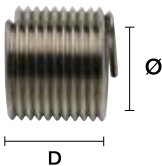
G
ISO 229

Tol.
2B

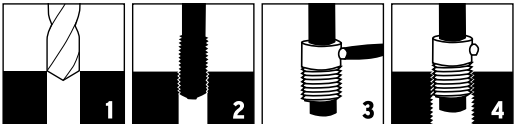
Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



Ø x P mm	Dmm.			
	1,0 Ø €	1,5 Ø €	2,0 Ø €	
G 1/8x28	0,54	0,78	0,86	10
G 1/4x19	0,73	1,06	1,19	10
G 3/8x19	0,65	1,20	1,36	10
G 1/2x14	1,14	1,73	1,82	10



MODO DE EMPLEO / MODE D'EMPLOI / HOW TO USE
1- Taladrado previo / Perçage préalable / Previous drilling
2- Roscado previo / Taraudage préalable / Previous threading
3- Instalación del inserto en la herramienta / Pose de l'insert dans l'outil / Placement of the insert in the tool
4- Introducción del inserto en la rosca / Introduction de l'insert dans le filet / Introduction of the insert in the coil

INSERTOS ROSCADOS

FILETS RAPPORTES / WIRE THREAD INSERTS

2709 » Insertador / Appareil de pose manuel / Insert Tool



nº	M	UNC/UNF/BSW/BSF/BSP		€
2	M 2,00 x 0,40 M 2,20 x 0,45	UNC Nº 2	1	23,57
3	M 2,50 x 0,45		1	23,57
4	M 3,00 x 0,50	UNC Nº 5, UNC/UNF Nº 4, BSW 18	1	17,79
5	M 3,50 x 0,60	UNC/UNF Nº 6	1	17,79
6	M 4,00 x 0,70	UNC, UNF Nº 8	1	17,79
7		BSW 3/16, UNC Nº 10	1	17,79
8	M 5,00 x 0,80	UNF Nº 10, UNC Nº 12, BSF 3/16	1	17,79
9	M 6,00 x 1,00	UNC, UNF 1/4, BSW, BSF 1/4	1	17,79
10	M 7,00 x 1,00		1	17,79
11	M 8,00 x 1,00 M 8,00 x 1,25	UNF, BSF 5/16 UNC, BSW 5/16	1	17,79
12	M 9,00 x 1,00 M 9,00 x 1,25		1	17,79
13	M 10,00 x 1,00 M 10,00 x 1,25 M 10,00 x 1,50	UNF, BSF 3/8 UNC, BSW 3/8 G 1/18	1	17,79
14	M 11,00 x 1,25 M 11,00 x 1,50	UNC, UNF 7/16, BSW, BSF 7/16	1	18,97
15	M 12,00 x 1,00 M 12,00 x 1,25 M 12,00 x 1,50 M 12,00 x 1,75	UNC, UNF 1/2, BSW, BSF 1/2	1	21,29
16	M 14,00 x 1,50 M 14,00 x 2,00	UNC, UNF 9/16, BSW, BSF 9/16 G 1/4, G 3/8	1	23,69
17	M 14,00 x 1,00 M 14,00 x 1,25		1	23,69
18	M 16,00 x 1,50 M 16,00 x 2,00	UNC, UNF 5/8, BSW, BSF 5/8	1	23,69
20	M 18,00 x 1,50 M 18,00 x 2,00 M 18,00 x 2,50	UNC 3/4, BSW, BSF 3/4	1	29,56
21	M 20,00 x 1,50 M 20,00 x 2,00 M 20,00 x 2,50	UNF 3/4	1	29,56
22	M 22,00 x 1,50 M 22,00 x 2,00 M 22,00 x 2,50	UNC, UNF 7/8, BSW, BSF 7/8 G 1/2	1	29,56
23	M 24,00 x 1,50 M 24,00 x 2,00 M 24,00 x 3,00	UNC, UNF 1", BSW, BSF 1"	1	47,39

2710 Rompe Arrastre / Rupteur / Tang break tool



nº	M	UNC/UNF/BSW/BSF/BSP		€
2	M 2,00 x 0,40 M 2,20 x 0,45	UNC Nº 2	1	5,63
3	M 2,50 x 0,45		1	5,63
4	M 3,00 x 0,50	UNC, UNF Nº 4	1	5,63
5	M 3,50 x 0,60	UNC, UNF Nº 6	1	5,63
6	M 4,00 x 0,70	UNC Nº 10, UNC/UNF Nº 8, BSF 3/16	1	5,63
8	M 5,00 x 0,80		1	7,07
9	M 6,00 x 1,00	UNC/UNF 1/4, BSW/BSF 1/4	1	7,07
	M 7,00 x 1,00			9,22
11	M 8,00 x 1,00 M 8,00 x 1,25	UNC/UNF 5/16, BSW/BSF 5/16	1	
12	M 9,00 x 1,00 M 9,00 x 1,25	BSF 3/8	1	9,22
	M 10,00 x 1,00	UNF 3/8	1	9,22
13	M 10,00 x 1,25 M 10,00 x 1,50	UNC, BSW 3/8 G 1/8		
14	M 11,00 x 1,25 M 11,00 x 1,50	UNC/UNF 7/16, BSW/BSF 7/16	1	9,22
	M 12,00 x 1,00	UNC/UNF 1/2, BSW/BSF 1/2	1	9,22
15	M 12,00 x 1,25 M 12,00 x 1,50 M 12,00 x 1,75	G 1/4		

INSERTOS ROSCADOS

FILETS RAPPORTES / WIRE THREAD INSERTS

2711

Kits / Kits

M
DIN 13



Ø x P				1,5D	€
M2 x 0,40	2,10	No. 2	No. 2	10	57,92
M2,50 x 0,45	2,60	No. 3	No. 3	10	57,39
M3 x 0,50	3,20	No. 4	No. 4	10	47,00
M3,50 x 0,60	3,70	No. 5	No. 5	10	47,75
M4 x 0,70	4,20	No. 6	No. 6	10	48,85
M5 x 0,80	5,20	No. 8	No. 8	10	51,62
M6 x 1,00	6,30	No. 9	No. 9	10	51,66
M7 x 1,00	7,30	No. 10	No. 11	10	61,10
M8 x 1,25	8,30	No. 11	No. 11	10	60,09
M8 x 1,00	8,30	No. 11	No. 11	10	62,40
M9 x 1,25	9,30	No. 12		10	59,70
M10 x 1,50	10,40	No. 13		10	57,77
M10 x 1,25	10,30	No. 13		10	59,34
M10 x 1,00	10,30	No. 13		10	59,34
M11 x 1,50	11,40	No. 14		5	65,00
M12 x 1,75	12,40	No. 15		5	65,11
M12 x 1,50	12,40	No. 15		5	73,38
M12 x 1,25	12,30	No. 15		5	73,38
M12 x 1,00	12,30	No. 15		5	73,38
M14 x 2,00		No. 16		5	64,38
M14 x 1,50		No. 16		5	74,93
M14 x 1,25		No. 17		5	74,93
M14 x 1,00		No. 17		5	74,93
M16 x 2,00		No. 18		5	78,58
M16 x 1,50		No. 18		5	78,58
M18 x 2,50		No. 20		5	96,94
M18 x 2,00		No. 20		5	96,94
M18 x 1,50		No. 20		5	96,94
M20 x 2,50		No. 21		5	104,12
M20 x 2,00		No. 21		5	104,12
M20 x 1,50		No. 21		5	104,12
M22 x 2,50		No. 22		5	115,16
M22 x 2,00		No. 22		5	115,16
M22 x 1,50		No. 22		5	115,16
M24 x 3,00,		No. 23		5	153,09
M24 x 2,00		No. 23		5	153,09
M24 x 1,50		No. 23		5	153,09

INSERTOS ROSCADOS

FILETS RAPPORTES / WIRE THREAD INSERTS

2712

Kits / Kits

UNC
ANSI/ASME
B1.1



	Ø x P				1,5D	€
	No. 2 x 56	2,40	No. 2	No. 2	10	67,42
	No. 4 x 40	3,10	No. 4	No. 4	10	60,55
	No. 6 x 32	3,80	No. 5	No. 5	10	60,70
	No. 8 x 32	4,40	No. 6	No. 6	10	60,91
	No. 10 x 24	5,20	No. 7	No. 6	10	55,59
	No. 12 x 24	5,80	No. 8	No. 8	10	57,49
	1/4 x 20	6,70	No. 9	No. 9	10	56,88
	5/16 x 18	8,30	No. 11	No. 11	10	61,98
	3/8 x 16	9,90	No. 13	No. 13	10	56,30
	7/16 x 14	11,60	No. 14		5	63,97
	1/2 x 13	13,00	No. 15		5	69,37
	9/16 x 12		No. 16		5	80,05
	5/8 x 11		No. 18		5	89,73
	3/4 x 10		No. 20		5	114,81
	7/8 x 9		No. 22		5	128,91
	1" x 8		No. 23		4	152,67

INSERTOS ROSCADOS

FILETS RAPPORTES / WIRE THREAD INSERTS

2713 Kits / Kits

UNF
ANSI/ASME
B1.1



Ø x P				1,5D	€
No. 4 x 48	3,00	No. 4	No. 4	10	62,58
No. 6 x 40	3,80	No. 5	No. 5	10	63,02
No. 8 x 36	4,40	No. 6	No. 6	10	63,23
No. 10 x 32	5,10	No. 8	No. 8	10	58,24
1/4 x 28	6,70	No. 9	No. 9	10	59,19
5/16 x 24	8,30	No. 11	No. 11	10	64,48
3/8 x 24	9,80	No. 13	No. 13	10	58,62
7/16 x 20	11,50	No. 14		5	73,88
1/2 x 20	13,00	No. 15		5	80,94
9/16 x 18		No. 16		5	91,63
5/8 x 18		No. 18		5	101,30
3/4 x 16		No. 21		5	149,53
7/8 x 14		No. 22		5	163,63
1" x 12		No. 23		4	187,40

2714 Kits / Kits

BSW
BS 84



Ø x P				1,5D	€
1/8 x 40	3,40	No. 4	No. 4	10	56,70
3/16 x 24	5,00	No. 8	No. 8	10	59,19
1/4 x 20	6,70	No. 9	No. 9	10	59,19
5/16 x 18	8,30	No. 11	No. 11	10	64,48
3/8 x 16	9,90	No. 13	No. 13	10	58,62
7/16 x 14	11,50	No. 14		5	73,88
1/2 x 12	13,00	No. 15		5	81,88
9/16 x 12		No. 16		5	92,56
5/8 x 11		No. 18		5	101,30
3/4 x 10		No. 20		5	149,53
7/8 x 9		No. 22		5	159,72
1" x 8		No. 23		4	182,29

INSERTOS ROSCADOS **FILETS RAPPORTES / WIRE THREAD INSERTS**

2717

Kits / Kits

G
ISO 229



	Ø x P				1,5D 	€
	G 1/8x28	9,90	Nº13	Nº13	5	93,72
	G 1/4x19	13,50	Nº16	Nº15	5	98,97
	G 3/8x19	17,00	Nº16		5	113,74
	G 1/2x14				5	149,51

7167

Multi-kits / Multi-kits

ISO
529



	Ø x P				1,5D 
	M5 x 0,80	5,20	No. 8	No. 8	10
	M6 x 1,00	6,30	No. 9	No. 9	10
	M8 x 1,25	8,30	No. 11	No. 11	10
	M10 x 1,50	10,40	No. 13	-	10
	M12 x 1,75	12,40	No. 15	-	10
					€ 364,96

2901/1

DIN ISO 1502

PASA
NO
PASA

CTPNP

M
DIN 13

MF
DIN 13

Tol.
6H



Ø x P mm	€		Ø x P mm	€		Ø x P mm	€	
M1,00 x 0,25	318,50	1	MF 12,00 x 0,75	162,09	1	MF 27,00 x 1,50	221,81	1
M1,10 x 0,25	318,50	1	MF 12,00 x 1,00	153,56	1	MF 27,00 x 2,00	221,81	1
M1,20 x 0,25	304,28	1	MF 12,00 x 1,25	162,09	1	M 27,00 x 3,00	204,75	1
M1,40 x 0,30	304,28	1	MF 12,00 x 1,50	142,19	1	MF 30,00 x 1,00	273,00	1
M 1,60 x 0,35	255,94	1	M 12,00 x 1,75	122,28	1	MF 30,00 x 1,50	244,56	1
M 1,80 x 0,35	224,66	1	MF 14,00 x 1,00	162,09	1	MF 30,00 x 2,00	244,56	1
M 2,00 x 0,40	145,03	1	MF 14,00 x 1,25	173,47	1	MF 30,00 x 3,00	281,53	1
M 2,20 x 0,45	207,59	1	MF 14,00 x 1,50	150,72	1	M 30,00 x 3,50	224,66	1
M 2,50 x 0,45	127,97	1	M 14,00 x 2,00	130,81	1	MF 32,00 x 1,00	273,00	1
M 3,00 x 0,50	119,44	1	MF 16,00 x 1,00	173,47	1	MF 32,00 x 1,50	250,25	1
MF 4,00 x 0,50	213,28	1	MF 16,00 x 1,50	156,41	1	MF 32,00 x 2,00	250,25	1
M 4,00 x 0,70	113,75	1	M 16,00 x 2,00	139,34	1	MF 33,00 x 1,00	275,84	1
M 4,50 x 0,75	113,75	1	MF 18,00 x 1,00	176,31	1	MF 33,00 x 1,50	255,94	1
MF 5,00 x 0,50	207,59	1	MF 18,00 x 1,50	164,94	1	MF 33,00 x 2,00	255,94	1
M 5,00 x 0,80	110,91	1	M 18,00 x 2,50	150,72	1	MF 33,00 x 3,00	287,22	1
MF 6,00 x 0,50	207,59	1	MF 20,00 x 1,00	190,53	1	M 33,00 x 3,50	247,41	1
MF 6,00 x 0,75	142,19	1	MF 20,00 x 1,50	173,47	1	MF 36,00 x 1,00	295,75	1
M 6,00 x 1,00	105,22	1	MF 20,00 x 2,00	173,47	1	MF 36,00 x 1,50	273,00	1
M 7,00 x 1,00	105,22	1	M 20,00 x 2,50	162,09	1	MF 36,00 x 2,00	273,00	1
MF 8,00 x 0,50	207,59	1	MF 22,00 x 1,00	210,44	1	MF 36,00 x 3,00	273,00	1
MF 8,00 x 0,75	150,72	1	MF 22,00 x 1,50	193,38	1	M 36,00 x 4,00	267,31	1
MF 8,00 x 1,00	136,50	1	M 22,00 x 2,50	167,78	1	MF39,00 x 1,50	295,75	1
M 8,00 x 1,25	110,91	1	MF 24,00 x 1,00	224,66	1	MF 39,00 x 2,00	295,75	1
M 9,00 x 1,25	113,75	1	MF 24,00 x 1,50	204,75	1	MF 39,00 x 3,00	346,94	1
MF 10,00 x 0,50	221,81	1	MF 24,00 x 2,00	204,75	1	M 39,00 x 4,00	290,06	1
MF 10,00 x 0,75	153,56	1	M 24,00 x 3,00	187,69	1	MF 40,00 x 1,50	312,81	1
MF 10,00 x 1,00	142,19	1	MF 25,00 x 1,00	230,34	1	MF 40,00 x 2,00	312,81	1
MF 10,00 x 1,25	167,78	1	MF 25,00 x 1,50	210,44	1	MF 40,00 x 3,00	352,63	1
M 10,00 x 1,50	116,59	1	MF 25,00 x 2,00	210,44	1			
MF 12,00 x 0,50	238,88	1	MF 27,00 x 1,00	241,72	1			

2901/4

DIN ISO 1502

PASA

CTP

M
DIN 13

MF
DIN 13

Tol.
6H



Ø x P mm	€	
MF 42,00 x 1,50	184,84	1
MF 42,00 x 2,00	184,84	1
MF 42,00 x 3,00	207,59	1
M 42,00 x 4,50	182,00	1
MF 45,00 x 1,50	196,22	1
MF 45,00 x 2,00	196,22	1
MF 45,00 x 3,00	224,66	1

Ø x P mm	€	
M 45,00 x 4,50	196,22	1
MF 48,00 x 1,50	210,44	1
MF 48,00 x 2,00	210,44	1
MF 48,00 x 3,00	236,03	1
M 48,00 x 5,00	207,59	1
MF 50,00 x 1,50	213,28	1
MF 50,00 x 2,00	213,28	1

Ø x P mm	€	
MF 50,00 x 3,00	244,56	1
MF 52,00 x 1,50	221,81	1
MF 52,00 x 2,00	221,81	1
MF 52,00 x 3,00	258,78	1
M 52,00 x 5,00	221,81	1

2901/5

DIN ISO 1502

NO
PASA

CTNP

M
DIN 13

MF
DIN 13

Tol.
6H



Ø x P mm	€	
MF 42,00 x 1,50	184,84	1
MF 42,00 x 2,00	184,84	1
MF 42,00 x 3,00	207,59	1
M 42,00 x 4,50	182,00	1
MF 45,00 x 1,50	196,22	1
MF 45,00 x 2,00	196,22	1
MF 45,00 x 3,00	224,66	1

Ø x P mm	€	
M 45,00 x 4,50	196,22	1
MF 48,00 x 1,50	210,44	1
MF 48,00 x 2,00	210,44	1
MF 48,00 x 3,00	236,03	1
M 48,00 x 5,00	207,59	1
MF 50,00 x 1,50	213,28	1
MF 50,00 x 2,00	213,28	1

Ø x P mm	€	
MF 50,00 x 3,00	244,56	1
MF 52,00 x 1,50	221,81	1
MF 52,00 x 2,00	221,81	1
MF 52,00 x 3,00	258,78	1
M 52,00 x 5,00	221,81	1

2901/2

DIN ISO 1502

PASA

CAP

M
DIN 13

MF
DIN 13

Tol.
6g



Ø x P mm	€	
M 2,00 x 0,40	145,03	1
M 2,20 x 0,45	170,63	1
M 2,50 x 0,45	113,75	1
M 3,00 x 0,50	110,91	1
MF 4,00 x 0,50	227,50	1
M 4,00 x 0,70	102,38	1
M 4,50 x 0,75	102,38	1
MF 5,00 x 0,50	227,50	1
M 5,00 x 0,80	102,38	1
MF 6,00 x 0,50	227,50	1
MF 6,00 x 0,75	167,78	1
M 6,00 x 1,00	102,38	1
M 7,00 x 1,00	130,81	1
MF 8,00 x 0,50	218,97	1
MF 8,00 x 0,75	159,25	1
MF 8,00 x 1,00	122,28	1
M 8,00 x 1,25	102,38	1
M 9,00 x 1,25	142,19	1
MF 10,00 x 0,50	253,09	1
MF 10,00 x 0,75	176,31	1
MF 10,00 x 1,00	136,50	1
MF 10,00 x 1,25	167,78	1
M 10,00 x 1,50	116,59	1
MF 12,00 x 0,50	287,22	1
MF 12,00 x 0,75	210,44	1
MF 12,00 x 1,00	153,56	1
MF 12,00 x 1,25	187,69	1
MF 12,00 x 1,50	145,03	1
M 12,00 x 1,75	133,66	1
MF 14,00 x 1,00	164,94	1
MF 14,00 x 1,25	201,91	1
MF 14,00 x 1,50	150,72	1
M 14,00 x 2,00	145,03	1
MF 16,00 x 1,00	176,31	1

Ø x P mm	€	
MF 16,00 x 1,50	164,94	1
MF 16,00 x 2,00	159,25	1
MF 18,00 x 1,00	190,53	1
MF 18,00 x 1,50	176,31	1
M 18,00 x 2,50	182,00	1
MF 20,00 x 1,00	201,91	1
MF 20,00 x 1,50	190,53	1
MF 20,00 x 2,00	201,91	1
M 20,00 x 2,50	201,91	1
MF 22,00 x 1,00	247,41	1
MF 22,00 x 1,50	201,91	1
M 22,00 x 2,50	216,13	1
MF 24,00 x 1,00	236,03	1
MF 24,00 x 1,50	204,75	1
MF 24,00 x 2,00	227,50	1
M 24,00 x 3,00	230,34	1
MF 25,00 x 1,00	275,84	1
MF 25,00 x 1,50	224,66	1
MF 25,00 x 2,00	227,50	1
MF 27,00 x 1,00	295,75	1
MF 27,00 x 1,50	236,03	1
MF 27,00 x 2,00	247,41	1
M 27,00 x 3,00	255,94	1
MF 30,00 x 1,00	281,53	1
MF 30,00 x 1,50	253,09	1
MF 30,00 x 2,00	253,09	1
MF 30,00 x 3,00	284,38	1
M 30,00 x 3,50	281,53	1
MF 32,00 x 1,00	301,44	1
MF 32,00 x 1,50	270,16	1
MF 32,00 x 2,00	270,16	1
MF 33,00 x 1,00	309,97	1
MF 33,00 x 1,50	275,84	1
MF 33,00 x 2,00	281,53	1

Ø x P mm	€	
MF 33,00 x 3,00	298,59	1
M 33,00 x 3,50	304,28	1
MF 36,00 x 1,00	332,72	1
MF 36,00 x 1,50	292,91	1
MF 36,00 x 2,00	309,97	1
MF 36,00 x 3,00	327,03	1
M 36,00 x 4,00	327,03	1
MF 39,00 x 1,50	324,19	1
MF 39,00 x 2,00	335,56	1
MF 39,00 x 3,00	349,78	1
M 39,00 x 4,00	355,47	1
MF 40,00 x 1,50	324,19	1
MF 40,00 x 2,00	344,09	1
MF 40,00 x 3,00	358,31	1
MF 42,00 x 1,50	335,56	1
MF 42,00 x 2,00	281,53	1
MF 42,00 x 3,00	369,69	1
M 42,00 x 4,50	383,91	1
MF 45,00 x 1,50	355,47	1
MF 45,00 x 2,00	287,22	1
MF 45,00 x 3,00	375,38	1
M 45,00 x 4,50	406,66	1
MF 48,00 x 1,50	375,38	1
MF 48,00 x 2,00	292,91	1
MF 48,00 x 3,00	386,75	1
M 48,00 x 5,00	429,41	1
MF 50,00 x 1,50	386,75	1
MF 50,00 x 2,00	307,13	1
MF 50,00 x 3,00	398,13	1
MF 52,00 x 1,50	406,66	1
MF 52,00 x 2,00	312,81	1
MF 52,00 x 3,00	432,25	1
M 52,00 x 5,00	463,53	1

2901/3

DIN ISO 1502

NO
PASA

CANP

M
DIN 13

MF
DIN 13

Tol.
6g



Ø x P mm	€	
M 2,00 x 0,40	145,03	1
M 2,20 x 0,45	170,63	1
M 2,50 x 0,45	113,75	1
M 3,00 x 0,50	110,91	1
MF 4,00 x 0,50	227,50	1
M 4,00 x 0,70	102,38	1
M 4,50 x 0,75	102,38	1
MF 5,00 x 0,50	227,50	1
M 5,00 x 0,80	102,38	1
MF 6,00 x 0,50	227,50	1
MF 6,00 x 0,75	167,78	1
M 6,00 x 1,00	102,38	1
M 7,00 x 1,00	130,81	1
MF 8,00 x 0,50	218,97	1
MF 8,00 x 0,75	159,25	1
MF 8,00 x 1,00	122,28	1
M 8,00 x 1,25	102,38	1
M 9,00 x 1,25	142,19	1
MF 10,00 x 0,50	253,09	1
MF 10,00 x 0,75	176,31	1
MF 10,00 x 1,00	136,50	1
MF 10,00 x 1,25	167,78	1
M 10,00 x 1,50	116,59	1
MF 12,00 x 0,50	287,22	1
MF 12,00 x 0,75	210,44	1
MF 12,00 x 1,00	153,56	1
MF 12,00 x 1,25	187,69	1
MF 12,00 x 1,50	145,03	1
M 12,00 x 1,75	133,66	1
MF 14,00 x 1,00	164,94	1
MF 14,00 x 1,25	201,91	1
MF 14,00 x 1,50	150,72	1
M 14,00 x 2,00	145,03	1
MF 16,00 x 1,00	176,31	1

Ø x P mm	€	
MF 16,00 x 1,50	164,94	1
M 16,00 x 2,00	159,25	1
MF 18,00 x 1,00	190,53	1
MF 18,00 x 1,50	176,31	1
M 18,00 x 2,50	182,00	1
MF 20,00 x 1,00	201,91	1
MF 20,00 x 1,50	190,53	1
MF 20,00 x 2,00	201,91	1
M 20,00 x 2,50	201,91	1
MF 22,00 x 1,00	247,41	1
MF 22,00 x 1,50	201,91	1
M 22,00 x 2,50	216,13	1
MF 24,00 x 1,00	236,03	1
MF 24,00 x 1,50	204,75	1
MF 24,00 x 2,00	227,50	1
M 24,00 x 3,00	230,34	1
MF 25,00 x 1,00	275,84	1
MF 25,00 x 1,50	224,66	1
MF 25,00 x 2,00	227,50	1
MF 27,00 x 1,00	295,75	1
MF 27,00 x 1,50	236,03	1
MF 27,00 x 2,00	247,41	1
M 27,00 x 3,00	255,94	1
MF 30,00 x 1,00	281,53	1
MF 30,00 x 1,50	253,09	1
MF 30,00 x 2,00	253,09	1
MF 30,00 x 3,00	284,38	1
M 30,00 x 3,50	281,53	1
MF 32,00 x 1,00	301,44	1
MF 32,00 x 1,50	270,16	1
MF 32,00 x 2,00	270,16	1
MF 33,00 x 1,00	309,97	1
MF 33,00 x 1,50	275,84	1
MF 33,00 x 2,00	281,53	1

Ø x P mm	€	
MF 33,00 x 3,00	298,59	1
M 33,00 x 3,50	304,28	1
MF 36,00 x 1,00	332,72	1
MF 36,00 x 1,50	292,91	1
MF 36,00 x 2,00	309,97	1
MF 36,00 x 3,00	327,03	1
M 36,00 x 4,00	327,03	1
MF 39,00 x 1,50	324,19	1
MF 39,00 x 2,00	335,56	1
MF 39,00 x 3,00	349,78	1
M 39,00 x 4,00	355,47	1
MF 40,00 x 1,50	324,19	1
MF 40,00 x 2,00	344,09	1
MF 40,00 x 3,00	358,31	1
MF 42,00 x 1,50	335,56	1
MF 42,00 x 2,00	281,53	1
MF 42,00 x 3,00	369,69	1
M 42,00 x 4,50	383,91	1
MF 45,00 x 1,50	355,47	1
MF 45,00 x 2,00	287,22	1
MF 45,00 x 3,00	375,38	1
M 45,00 x 4,50	406,66	1
MF 48,00 x 1,50	375,38	1
MF 48,00 x 2,00	292,91	1
MF 48,00 x 3,00	386,75	1
MF 48,00 x 5,00	429,41	1
MF 50,00 x 1,50	386,75	1
MF 50,00 x 2,00	307,13	1
MF 50,00 x 3,00	398,13	1
MF 52,00 x 1,50	406,66	1
MF 52,00 x 2,00	312,81	1
MF 52,00 x 3,00	432,25	1
M 52,00 x 5,00	463,53	1

2902/1

ISO 228-2

PASA
NO
PASA

CTPNP

G
ISO 228



Ø x P mm	€	
G 1/8 - 28	150,72	1
G 1/4 - 19	162,09	1
G 3/8 - 19	187,69	1

Ø x P mm	€	
G 1/2 - 14	213,28	1
G 5/8 - 14	224,66	1
G 3/4 - 14	244,56	1

Ø x P mm	€	
G 7/8 - 14	273,00	1
G 1" - 11	287,22	1
G 1" 1/8 - 11	327,03	1

2902/4

ISO 228-2

PASA

CTP

G
ISO 228



Ø x P mm	€	
G 1" 1/4 - 11	204,75	1
G 1" 1/2 - 11	236,03	1

Ø x P mm	€	
G 1" 3/4 - 11	264,47	1
G 2" - 11	290,06	1

Ø x P mm	€	
G 2" 1/4 - 11	315,66	1
G 2" 1/2 - 11	364,00	1

2902/5

ISO 228-2

NO
PASA

CTNP

G
ISO 228



Ø x P mm	€	
G 1" 1/4 - 11	204,75	1
G 1" 1/2 - 11	236,03	1

Ø x P mm	€	
G 1" 3/4 - 11	264,47	1
G 2" - 11	290,06	1

Ø x P mm	€	
G 2" 1/4 - 11	315,66	1
G 2" 1/2 - 11	364,00	1

2902/2

DIN ISO 228-2

PASA

CAP

Tol.
A

G
ISO 228



$\emptyset \times P$ mm	€	
G 1/8 - 28	167,78	1
G 1/4 - 19	193,38	1
G 3/8 - 19	233,19	1
G 1/2 - 14	224,66	1
G 5/8 - 14	241,72	1

$\emptyset \times P$ mm	€	
G 3/4 - 14	258,78	1
G 7/8 - 14	290,06	1
G 1" - 11	318,50	1
G 1" 1/8 - 11	361,16	1
G 1" 1/4 - 11	395,28	1

$\emptyset \times P$ mm	€	
G 1" 1/2 - 11	443,63	1
G 1" 3/4 - 11	489,13	1
G 2" - 11	540,31	1
G 2" 1/4 - 11	582,97	1
G 2" 1/2 - 11	662,59	1

2902/3

DIN ISO 228-2

NO
PASA

CANP

Tol.
A

G
ISO 228



$\emptyset \times P$ mm	€	
G 1/8 - 28	167,78	1
G 1/4 - 19	193,38	1
G 3/8 - 19	233,19	1
G 1/2 - 14	224,66	1
G 5/8 - 14	241,72	1

$\emptyset \times P$ mm	€	
G 3/4 - 14	258,78	1
G 7/8 - 14	290,06	1
G 1" - 11	318,50	1
G 1" 1/8 - 11	361,16	1
G 1" 1/4 - 11	395,28	1

$\emptyset \times P$ mm	€	
G 1" 1/2 - 11	443,63	1
G 1" 3/4 - 11	489,13	1
G 2" - 11	540,31	1
G 2" 1/4 - 11	582,97	1
G 2" 1/2 - 11	662,59	1

2903/1

BS 919

PASA
NO
PASA

CTPNP

BSW
BS 84



Ø x P mm	€	
W 1/8 - 40	224,66	1
W 1/4 - 20	196,22	1
W 3/8 - 16	207,59	1

Ø x P mm	€	
W 1/2 - 12	224,66	1
W 5/8 - 11	253,09	1
W 3/4 - 10	290,06	1

Ø x P mm	€	
W 7/8 - 9	324,19	1
W 1" - 8	372,53	1

2903/2

BS 919

PASA

CAP

BSW
BS 84



Ø x P mm	€	
W 1/8 - 40	187,69	1
W 1/4 - 20	159,25	1
W 3/8 - 16	179,16	1

Ø x P mm	€	
W 1/2 - 12	199,06	1
W 5/8 - 11	233,19	1
W 3/4 - 10	270,16	1

Ø x P mm	€	
W 7/8 - 9	309,97	1
W 1" - 8	344,09	1

2903/3

BS 919

NO
PASA

CANP

BSW
BS 84



Ø x P mm	€	
W 1/8 - 40	187,69	1
W 1/4 - 20	159,25	1
W 3/8 - 16	179,16	1

Ø x P mm	€	
W 1/2 - 12	199,06	1
W 5/8 - 11	233,19	1
W 3/4 - 10	270,16	1

Ø x P mm	€	
W 7/8 - 9	309,97	1
W 1" - 8	344,09	1

CALIBRES

CALIBRES / GAUGES

2904/1

ANSI / ASME B1.2

PASA
NO
PASA

CTPNP

UNC
ANSI/ASME
B1.1

Tol.
2B



Ø x P mm	€	
UNC N.4 - 40	230,34	1
UNC N.5 - 40	241,72	1
UNC N.6 - 32	145,03	1
UNC N.8 - 32	142,19	1
UNC N.10 - 24	139,34	1
UNC N.12 - 24	133,66	1
UNC 1/4 - 20	133,66	1

Ø x P mm	€	
UNC 5/16 - 18	139,34	1
UNC 3/8 - 16	139,34	1
UNC 7/16 - 14	145,03	1
UNC 1/2 - 13	156,41	1
UNC 9/16 - 12	162,09	1
UNC 5/8 - 11	173,47	1
UNC 3/4 - 10	193,38	1

Ø x P mm	€	
UNC 7/8 - 9	218,97	1
UNC 1" - 8"	244,56	1
UNC 1" 1/8 - 7	270,16	1
UNC 1" 1/4 - 7	292,91	1
UNC 1" 3/8 - 6	315,66	1
UNC 1" 1/2 - 6	349,78	1

2904/2

ANSI / ASME B1.2

PASA

CAP

UNC
ANSI/ASME
B1.1

Tol.
2A



Ø x P mm	€	
UNC N.4 - 40	213,28	1
UNC N.5 - 40	159,25	1
UNC N.6 - 32	156,41	1
UNC N.8 - 32	145,03	1
UNC N.10 - 24	142,19	1
UNC N.12 - 24	136,50	1
UNC 1/4 - 20	136,50	1

Ø x P mm	€	
UNC 5/16 - 18	145,03	1
UNC 3/8 - 16	156,41	1
UNC 7/16 - 14	167,78	1
UNC 1/2 - 13	187,69	1
UNC 9/16 - 12	207,59	1
UNC 5/8 - 11	224,66	1
UNC 3/4 - 10	255,94	1

Ø x P mm	€	
UNC 7/8 - 9	295,75	1
UNC 1" - 8"	332,72	1
UNC 1" 1/8 - 7	366,84	1
UNC 1" 1/4 - 7	420,88	1
UNC 1" 3/8 - 6	463,53	1
UNC 1" 1/2 - 6	494,81	1

2904/3

ANSI / ASME B1.2

NO
PASA

CANP

UNC
ANSI/ASME
B1.1

Tol.
2A



Ø x P mm	€	
UNC N.4 - 40	213,28	1
UNC N.5 - 40	159,25	1
UNC N.6 - 32	156,41	1
UNC N.8 - 32	145,03	1
UNC N.10 - 24	142,19	1
UNC N.12 - 24	136,50	1
UNC 1/4 - 20	136,50	1

Ø x P mm	€	
UNC 5/16 - 18	145,03	1
UNC 3/8 - 16	156,41	1
UNC 7/16 - 14	167,78	1
UNC 1/2 - 13	187,69	1
UNC 9/16 - 12	207,59	1
UNC 5/8 - 11	224,66	1
UNC 3/4 - 10	255,94	1

Ø x P mm	€	
UNC 7/8 - 9	295,75	1
UNC 1" - 8"	332,72	1
UNC 1" 1/8 - 7	366,84	1
UNC 1" 1/4 - 7	420,88	1
UNC 1" 3/8 - 7	463,53	1
UNC 1" 1/2 - 7	494,81	1

CALIBRES

CALIBRES / GAUGES

2905/1

ANSI / ASME B1.2

PASA
NO
PASA

CTPNP

UNF
ANSI/ASME
B1.1

Tol.
2B



Ø x P mm	€	
UNF N.4 - 48	230,34	1
UNF N.5 - 44	150,72	1
UNF N.6 - 40	145,03	1
UNF N.8 - 36	142,19	1
UNF N.10 - 32	139,34	1
UNF N.12 - 28	156,41	1
UNF 1/4 - 28	133,66	1

Ø x P mm	€	
UNF 3/8 - 24	139,34	1
UNF 5/16 - 24	139,34	1
UNF 1/2 - 20	156,41	1
UNF 7/16 - 20	145,03	1
UNF 5/8 - 18	167,78	1
UNF 9/16 - 18	162,09	1
UNF 3/4 - 16	184,84	1

Ø x P mm	€	
UNF 7/8 - 14	201,91	1
UNF 1" - 12	224,66	1
UNF 1" 1/8 - 12	244,56	1
UNF 1" 1/4 - 12	258,78	1
UNF 1" 3/8 - 12	281,53	1
UNF 1" 1/2 - 12	309,97	1

2905/2

ANSI / ASME B1.2

PASA

CAP

UNF
ANSI/ASME
B1.1

Tol.
2A



Ø x P mm	€	
UNF N.4 - 48	210,44	1
UNF N.5 - 44	159,25	1
UNF N.6 - 40	156,41	1
UNF N.8 - 36	145,03	1
UNF N.10 - 32	142,19	1
UNF N.12 - 28	142,19	1
UNF 1/4 - 28	136,50	1

Ø x P mm	€	
UNF 3/8 - 24	156,41	1
UNF 5/16 - 24	145,03	1
UNF 1/2 - 20	187,69	1
UNF 7/16 - 20	167,78	1
UNF 5/8 - 18	224,66	1
UNF 9/16 - 18	207,59	1
UNF 3/4 - 16	255,94	1

Ø x P mm	€	
UNF 7/8 - 14	295,75	1
UNF 1" - 12	332,72	1
UNF 1" 1/8 - 12	386,75	1
UNF 1" 1/4 - 12	420,88	1
UNF 1" 3/8 - 12	463,53	1
UNF 1" 1/2 - 12	480,59	1

2905/3

ANSI / ASME B1.2

NO
PASA

CANP

UNF
ANSI/ASME
B1.1

Tol.
2A



Ø x P mm	€	
UNF N.4 - 48	210,44	1
UNF N.5 - 44	159,25	1
UNF N.6 - 40	156,41	1
UNF N.8 - 36	145,03	1
UNF N.10 - 32	142,19	1
UNF N.12 - 28	142,19	1
UNF 1/4 - 28	136,50	1

Ø x P mm	€	
UNF 3/8 - 24	156,41	1
UNF 5/16 - 24	145,03	1
UNF 1/2 - 20	187,69	1
UNF 7/16 - 20	167,78	1
UNF 5/8 - 18	224,66	1
UNF 9/16 - 18	207,59	1
UNF 3/4 - 16	255,94	1

Ø x P mm	€	
UNF 7/8 - 14	295,75	1
UNF 1" - 12	332,72	1
UNF 1" 1/8 - 12	386,75	1
UNF 1" 1/4 - 12	420,88	1
UNF 1" 3/8 - 12	463,53	1
UNF 1" 1/2 - 12	480,59	1

2906/1

ANSI / ASME B1.20.1

PASA
NO
PASA

CTPNP

NPT
ANSI/ASME
B1.1



Ø x P mm	€	
NPT 1/16 - 27	304,95	1
NPT 1/8 - 27	321,34	1
NPT 1/4 - 18	338,41	1
NPT 3/8 - 18	364,00	1
NPT 1/2 - 14	395,28	1

Ø x P mm	€	
NPT 3/4 - 14	440,78	1
NPT 1" - 11,5	506,19	1
NPT 1" 1/4 - 11,5	602,88	1
NPT 1" 1/2 - 11,5	673,97	1
NPT 2" - 11,5	877,17	1

2906/2

ANSI / ASME B1.20.1

PASA
NO
PASA

CAPNP

NPT
ANSI/ASME
B1.1



Ø x P mm	€	
NPT 1/16 - 27	508,57	1
NPT 1/8 - 27	534,63	1
NPT 1/4 - 18	560,22	1
NPT 3/8 - 18	531,78	1
NPT 1/2 - 14	574,44	1

Ø x P mm	€	
NPT 3/4 - 14	628,47	1
NPT 1" - 11,5	708,09	1
NPT 1" 1/4 - 11,5	827,53	1
NPT 1" 1/2 - 11,5	912,84	1
NPT 2" - 11,5	1.109,06	1

2907/1

DIN 7162

PASA
NO
PASA

H7

CTLPNP



Ø x P mm	€	
1	76,78	1
2	76,78	1
3	76,78	1
4	71,09	1
5	71,09	1
6	71,09	1
7	65,41	1
8	65,41	1
9	65,41	1
10	65,41	1
11	73,94	1
12	73,94	1
13	73,94	1
14	73,94	1
15	79,63	1
16	79,63	1
17	79,63	1
18	79,63	1

Ø x P mm	€	
19	91,00	1
20	91,00	1
21	91,00	1
22	91,00	1
23	96,69	1
24	96,69	1
25	96,69	1
26	96,69	1
27	96,69	1
28	105,22	1
30	105,22	1
32	105,22	1
33	119,44	1
34	119,44	1
35	119,44	1
36	119,44	1
37	119,44	1
38	119,44	1

Ø x P mm	€	
40	125,13	1
42	125,13	1
44	142,19	1
45	142,19	1
46	142,19	1
47	142,19	1
48	142,19	1
50	173,47	1
52	173,47	1
55	173,47	1
58	173,47	1
60	173,47	1
62	173,47	1
65	173,47	1
68	173,47	1
70	173,47	1

2907/4

DIN 7162

PASA

H7

CTLP



Ø x P mm	€	
72	190,53	1
75	190,53	1
78	230,34	1
80	230,34	1

2907/5

DIN 7162

NO
PASA

H7

CTLNP



Ø x P mm	€	
72	190,53	1
75	190,53	1
78	230,34	1
80	230,34	1

2907/2

DIN 2250-C

CAL



Ø x P mm	€	
4	236,03	1
5	236,03	1
6	236,03	1
7	190,53	1
8	190,53	1
9	190,53	1
10	190,53	1
11	193,38	1
12	193,38	1
13	193,38	1
14	193,38	1
15	213,28	1
16	213,28	1
17	213,28	1
18	213,28	1
19	218,97	1
20	218,97	1
21	218,97	1
22	218,97	1

Ø x P mm	€	
23	233,19	1
24	233,19	1
25	233,19	1
26	233,19	1
27	233,19	1
28	244,56	1
30	244,56	1
32	244,56	1
33	264,47	1
34	264,47	1
35	264,47	1
36	264,47	1
37	264,47	1
38	264,47	1
40	287,22	1
42	287,22	1
44	301,44	1
45	301,44	1
46	301,44	1

Ø x P mm	€	
47	301,44	1
48	301,44	1
50	318,50	1
52	318,50	1
55	318,50	1
58	335,56	1
60	335,56	1
62	335,56	1
65	355,47	1
68	355,47	1
70	355,47	1
72	378,22	1
75	378,22	1
78	412,34	1
80	412,34	1
82	412,34	1
85	455,00	1
90	455,00	1

2801 » **Giramachos / Tourne-à-gauche / Tap turners**



Ø	Nº	€	mm		Ø	Nº	€	mm	
M1 - M10	1	16,93	2,00 - 6,30	1	M13 - M32	5	107,98	7,00 - 20,00	1
M1 - M12	1,50	18,03	2,10 - 8,00	1	M18 - M42	6	107,98	11,00 - 24,00	1
M4 - M12	2	22,63	3,00 - 9,00	1	M25 - M52	7	187,22	16,00 - 32,00	1
M5 - M20	3	32,20	4,90 - 12,00	1	M45 - M64	8	270,57	25,00 - 64,00	1
M10 - M27	4	51,37	5,50 - 16,00	1					

2802 » **Volvedor / Porte-filières / Tap wrench**



Ø Ext.	H mm	€		Ø Ext.	H mm	€	
16,00	5,00	9,39	1	50,80	15,90	27,59	1
20,00	5,00	9,60	1	55,00	16,00	27,59	1
20,00	7,00	9,62	1	55,00	22,00	27,59	1
20,60	6,35	9,60	1	65,00	18,00	42,38	1
25,00	9,00	11,42	1	65,00	25,00	42,38	1
25,40	9,50	11,42	1	75,00	20,00	67,79	1
30,00	11,00	12,87	1	75,00	30,00	67,78	1
38,00	14,00	16,96	1	90,00	22,00	85,86	1
38,10	12,70	16,96	1	90,00	36,00	85,87	1
45,00	14,00	21,08	1	105,00	22,00	91,68	1
45,00	18,00	21,08	1	105,00	36,00	91,69	1

2803 » **Giramacho T / Tourne-à-gauche en T / Tap turner in T**



M DIN	M ISO	€	L mm	gr	mm	
M3 - 10	M3 - 6	19,60	85	180	2,60 - 5,50	1
M5 - 12	M6 - 12	25,57	110	300	4,60 - 8,00	1
M13-20	M14-20	99,14	117	400	9,00 - 12,50	1

2804 Giramacho T / Tourne-à-gauche en T / Tap turner in T



	M DIN	M ISO	€	L mm	gr	mm	
	M3-10	M3-6	31,38	250	250	2,60 - 5,50	1
	M5-12	M6-12	37,40	300	440	4,60 - 8,00	1

2805 Extractor / Extracteur



	M	Z	€	
	M3	3	31,71	1
	M4	3	31,71	1
	M5	3	31,71	1
	M6	3	32,51	1
	M8	4,3	34,27	1

	M	Z	€	
	M10	4,3	35,55	1
	M12	4,3	38,29	1
	M14	4,3	52,73	1
	M16	4,3	57,50	1

2808 Alargador / Adaptateur / Extension piece



	M Mano T. à main Hand taps	M Máquina T. Machine Machine taps	€	mm	L mm	
	M1 - 2,60	-	6,14	2,10	60	1
	-	M4	6,14	2,40	60	1
	M3	-	6,14	2,70	80	1
	M3,50	-	6,14	3,00	90	1
	M4	M6	9,62	3,40	95	1
	M4,5	-	10,08	3,80	95	1
	-	M7	10,74	4,30	110	1
	M5 - M6	M8	11,21	4,90	110	1
	M7	M9-M10	11,74	5,50	115	1
	M8	M11	15,14	6,20	120	1
	M9	M12	15,78	7,00	125	1

	M Mano T. à main Hand taps	M Máquina T. Machine Machine taps	€	mm	L mm	
	M10	-	17,89	8,00		1
	-	M4 - M16	21,15	9,00	130	1
	-	-	25,55	10,00	130	1
	-	M18	29,61	11,00	150	1
	-	M20	31,91	12,00	155	1
	-	-	44,09	13,00	155	1
	-	M22 - M24	50,63	14,50	175	1
	-	M27	53,54	16,00	180	1
	-	M30	61,04	18,00	200	1
	-	M33	81,35	20,00	220	1

2834 Extractor / Extracteur



M	Ø mm	€	L mm	mm	
M3 - 6	1,80 - 7,00	2,12	50	2,70	1
M6 - 8	3,20 - 10,00	2,12	57	3,80	1
M8 - 11	4,50 - 13,00	2,51	64	4,90	1
M11 - 14	6,50 - 16,00	3,10	71	7,00	1
M14 - 18	8,50 - 21,00	4,02	79	9,00	1
M18 - 24	12,00	6,47	85	12,00	1
M24 - 33	15,30	9,93	92	14,50	1
M33 - 45	20,00	14,52	100	18,00	1

JUEGOS / JEUX / SETS			
M	Nº	€	
M3 - 18	5	15,96	1
M3 - 24	6	22,53	1
M3 - 45	8	47,21	1

2846 Aceite de corte uso general / Huile de coupe usage général / Cutting oil for general uses



Envase / Emballage / Packaging	Litr.	€	
Aerosol / Pulvérisateur / Spray	400 ml	18,13	1
Granel / Vrac / Bulk	1 l.	24,53	1
Granel / Vrac / Bulk	5 l.	89,03	1

2821 Macho N°3 / Taraud / Tap

M
DIN 13

HSS



HSSCO



HSSCO INOX



	Machos Tarauds / Taps	Brocas Forets / Drill-bits	Giramachos n° Tourne-à-gauche n° Tap turner n°	€
HSS	M3-4-5-6-8-10-12	2,50-3,30-4,20-5,00-6,80-8,50-10,20	1,50	85,94
HSSCO	M3-4-5-6-8-10-12	2,50-3,30-4,20-5,00-6,80-8,50-10,20	1,50	147,01
HSSCO INOX	M3-4-5-6-8-10-12	2,50-3,30-4,20-5,00-6,80-8,50-10,20	1,50	148,71

2822/2840 Juegos de machos / Jeux de taraud / Tap set

M
DIN 13

>2822



>2840



Ref.	Machos Tarauds / Taps	Brocas Forets / Drill-bits	€
2822	M3-4-5-6-8-10-12	-	130,67
2840	M3-4-5-6-8-10-12	2,50-3,30-4,20-5,00-6,80-8,50-10,20	190,74

2824 M3-12

Form.
B
"Gun"

M
3-4-5-6-8-10-12


7

>HSS E

>HSSE-PM

>HSSE VAP

>HSSE TIN

>HSSE ALU



REF.

€

HSS E	128,38
HSSE-PM	250,78
HSSE VAP (INOX)	162,08
HSSE TIN	164,25
HSSE ALU	174,89

2825 M3-12



M
3-4-5-6-8-10-12


7

>HSS E

>HSSE-PM

>HSSE VAP

>HSSE TIN

>HSSE ALU



REF.

€

HSS E	132,86
HSSE-PM	279,03
HSSE VAP (INOX)	180,13
HSSE TIN	180,13
HSSE ALU	163,04

2850 M3-12

Form
B

M
3-4-5-6-8-10-12

Ø
2,5-3-3,3-4-2-5-6,
8-8,5-10,2


14

>HSSE + HSSCO

>HSSEVAP + HSSCO



REF.

€

HSSE+HSSCO	159,04
HSSEVAP(INOX)+HSSCO	192,74

2851 M3-12



M
3-4-5-6-8-10-12

Ø
2,5-3-3,3-4-2-5-6,
8-8,5-10,2


14

>HSSE + HSSCO

>HSSEVAP + HSSCO



REF.

€

HSSE+HSSCO	163,52
HSSEVAP(INOX)+HSSCO	210,79

2809/2810

M3-12

M
DIN 13

>2809



>2810



Ref.	Machos y cojinetes Tarauds et filières Taps and bearing	Brocas Forets/Drill-bits	Volvedores Porte-filières Tap wrench	Giramachos n° Tourne-à-gauche n° Tap turner n°	Carraca n° Cliquet n° Ratchet n°	€
2809	M3-4-5-6-8-10-12	2,50-3,30-4,20-5,00-6,80-8,50-10,20	20x5-20x7-25x9-30x11-38x40	1-2	-	322,71
2810	M3-4-5-6-8-10-12	-	25x9	1-1/2	1	220,51

2811/2812

M3-20 / M5-20

M
DIN 13

>2811/2812



Ref.	Machos y cojinetes Tarauds et filières Taps and bearing	Volvedores Porte-filières Tap wrench	Giramachos n° Tourne-à-gauche n° Tap turner n°	Carraca n° Cliquet n° Ratchet n°	€
2811	M3-4-5-6-8-10-12-14-16-18-20	20x5-20x7-25x9-30x11-38x14-45x18	1 - 3	1 - 2	645,40
2812	M5-6-8-10-12-14-16-18-20	20x7-25x9-30x11-38x14-45x18	1 - 3	1 - 2	613,14

2813/2814

M3-24 / M5-30

M
DIN 13

>2813/2814



Ref.	Machos y cojinetes Tarauds et filières Taps and bearing	Volvedores Porte-filières Tap wrench	Giramachos nº Tourne-à-gauche nº Tap turner nº	€
2813	M3-4-5-6-8-10-12-14-16-18-20-22-24	20x5-20x7-25x9-30x11-38x14-45x18-55x22	1 - 4	1.008,43
2814	M5-6-8-10-12-14-16-18-20-22-24-27-30	20x7-25x9-30x11-38x14-45x18-55x22-65x25	3 - 5	1.711,36

2841/2842

MF3-12 / MF6-20

MF
DIN 13

>2841

>2842



Ref.	Machos y cojinetes Tarauds et filières Taps and bearing	Volvedores Porte-filières Tap wrench	Giramachos nº Tourne-à-gauche nº Tap turner nº	Carraca nº Cliquet nº Ratchet nº	€
2841	M3x0,35-4x0,50-5x0,50-6x0,75-8x0,75 8x1,00-10x1,00-12x1,50	20x5-25x9-30x11-38x10	1 - 2	1	662,21
2842	M6x0,75-8x0,75-8x1,00-10x1,00-12x1,00-12x1,50 14x1,25-14x1,50-16x1,50-18x1,50-20x1,50	20x7-25x9-30x11-38x10-45x14	1 - 3	1	1.110,97

2815/2816/2817

W1/8-1/2, W1/4-1/2, W1/4-1"

BSW
BS 84

>2815



>2816



>2817



Ref.	Machos y cojinetes Tarauds et filières Taps and bearing	Volvedores Porte-filières Tap wrench	Giramachos nº Tourne-à-gauche nº Tap turner nº	Carraca nº Cliquet nº Ratchet nº	€
2815	W1/8-3/16-1/4-5/16-3/8-7/16-1/2	20x5-20x7-25x9-30x11-38x14	1 - 2	1	529,22
2816	W1/4-5/16-3/8-7/16-1/2	20x7-25x9-30x11-38x14	1 - 2	1	448,55
2817	W1/4-5/16-3/8-7/16-1/2-5/8-3/4-7/8-1"	20x7-25x9-30x11-38x14-45x18-55x22	1 - 4	-	1.237,02

2843/2818

UNC1/4", UNF1/4-1"

UNC
ANSI/ASME
B1.1

UNF
ANSI/ASME
B1.1

>2843/2818



Ref.	Machos y cojinetes Tarauds et filières Taps and bearing	Volvedores Porte-filières Tap wrench	Giramachos nº Tourne-à-gauche nº Tap turner nº	€
2843	UNC1/4-5/16-3/8-7/16-1/2-5/8-3/4-7/8-1"	20x7-25x9-30x11-38x14-45x18-55x22	1 - 4	1.781,78
2818	UNF1/4-5/16-3/8-7/16-1/2-5/8-3/4-7/8-1"	20x7-25x9-30x11-38x10-45x14-55x16	1 - 4	1.129,43

2819/2820

BSP1/8-1", BSP1/4-1"1/2

G
ISO 228

>2819



>2820



Ref.	Machos y cojinetes Tarauds et filières Taps and bearing	Volvedores Porte-filières Tap wrench	Giramachos nº Tourne-à-gauche nº Tap turner nº	€
2819	BSP1/8-1/4-3/8-1/2-3 4-1"	30x11-38x10-45x14-65x18-55x18	1 - 3 - 5	871,28
2820	BSP1/4-3/8-1/2-3/4-1"-1"1/4-1"1/2	38x10-45x14-65x18-75x20-90x22	2 - 4 - 7	2.033,00