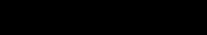
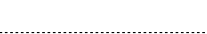
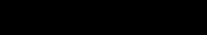
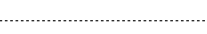


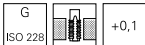
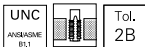
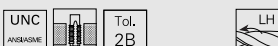
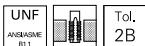
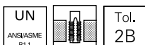
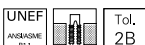


ROSCADO TARAUDAGE / THREADING

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Machos de mano / Tarauds à main / Hand taps (M-MF)

2301	HSS	DIN 352 / 2181																																																																																																																																																																																																																																																																																																																												
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2316	HSS	DIN 5157			CU	152
2317	HSS	DIN 5157			CU	152
Machos de mano / Tarauds à main / Hand taps (UNC-UNF-UN-BSPT-UNEF-BA-PG-NPT-NPTF-NPS-NPSF)						
2307	HSS	DIN 352			800 N/mm ²	153
2307/5	HSS	DIN 352			800 N/mm ²	153
2308	HSS	DIN 2181			800 N/mm ²	154
2308/5	HSS	DIN 2181			800 N/mm ²	154
2315	HSS	DIN 2181			800 N/mm ²	155
2309	HSS	DIN 5157			800 N/mm ²	155
2310	HSS	DIN 2181			800 N/mm ²	155
2311	HSS	DIN 352			800 N/mm ²	156
2312	HSS	DIN 40432			800 N/mm ²	156
2313	HSS				800 N/mm ²	156

2318	HSS			NPTF ANSI/ASME B1.1		800 N/mm ²	157
2319	HSS			NPS ANSI/ASME B1.1		800 N/mm ²	157
2320	HSS			NPSF ANSI/ASME B1.1		800 N/mm ²	157

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

2102	HSSE	DIN 371		M DIN 13	MF DIN 13	Form. C		Tol. 6H	R	800 N/mm ²	158
2101	HSSE	DIN 376/374		M DIN 13	MF DIN 13	Form. C		Tol. 6H	D	800 N/mm ²	158
2114	HSSE	DIN 371		M DIN 13	MF DIN 13	Form. A		Tol. 6H	R	800 N/mm ²	160
2113	HSSE	DIN 376/374		M DIN 13	MF DIN 13	Form. A		Tol. 6H	D	800 N/mm ²	160
2104	HSSE	DIN 371		M DIN 13	MF DIN 13	Form. "B Gun"		Tol. 6H	R	800 N/mm ²	161
2103	HSSE	DIN 376/374		M DIN 13	MF DIN 13	Form. "B Gun"		Tol. 6H	D	800 N/mm ²	161
2106	HSSE	DIN 371		M DIN 13	MF DIN 13	Form. C		Tol. 6H	R	800 N/mm ²	163
2105	HSSE	DIN 376/374		M DIN 13	MF DIN 13	Form. C		Tol. 6H	D	800 N/mm ²	163
2108	HSSE	DIN 371		M DIN 13		Form. C		Tol. 6H	R	800 N/mm ²	164
2107	HSSE	DIN 376/374		M DIN 13	MF DIN 13	Form. C		Tol. 6H	D	800 N/mm ²	164

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

2136	HSSE	DIN 371		BSW BS 84		Form. C			R	800 N/mm ²	165
2135	HSSE	DIN 376		BSW BS 84		Form. C			D	800 N/mm ²	165
2138	HSSE	DIN 371		BSW BS 84		Form. "B Gun"			R	800 N/mm ²	166

2137	HSSE	DIN 376		BSW BS 84	Form. B "Gun"		D	800 N/mm ²	166
2140	HSSE	DIN 371		BSW BS 84	Form. C		35° R	800 N/mm ²	167
2139	HSSE	DIN 376		BSW BS 84	Form. C		35° D	800 N/mm ²	167
2141	HSSE	DIN 371		BSF BS 84	Form. C		R	800 N/mm ²	168
2142	HSSE	DIN 376		BSF BS 84	Form. C		D	800 N/mm ²	168

Machos de máquina / Tarauts machine / Machine taps (G ISO 228)

2144	HSSE	DIN 5156		G ISO 228	Form. C		D	800 N/mm ²	169
2145	HSSE	DIN 5156		G ISO 228	Form. B "Gun"		D	800 N/mm ²	169
2146	HSSE	DIN 5156		G ISO 228	Form. C		35° D	800 N/mm ²	169

Machos de máquina / Tarauts machine / Machine taps (UNC)

2148	HSSE	DIN 371		UNC ANSI/ASME B1.3	Form. C		Tol. 2B R	800 N/mm ²	170
2147	HSSE	DIN 376		UNC ANSI/ASME B1.3	Form. C		Tol. 2B D	800 N/mm ²	170
2150	HSSE	DIN 371		UNC ANSI/ASME B1.3	Form. B "Gun"		Tol. 2B R	800 N/mm ²	171
2149	HSSE	DIN 376		UNC ANSI/ASME B1.3	Form. B "Gun"		Tol. 2B D	800 N/mm ²	171
2152	HSSE	DIN 371		UNC ANSI/ASME B1.3	Form. C		Tol. 2B 35° R	800 N/mm ²	172
2151	HSSE	DIN 376		UNC ANSI/ASME B1.3	Form. C		Tol. 2B 35° D	800 N/mm ²	172

Machos de máquina / Tarauts machine / Machine taps (UNF)

2154	HSSE	DIN 371		UNF ANSI/ASME B1.3	Form. C		Tol. 2B R	800 N/mm ²	173
2153	HSSE	DIN 374		UNF ANSI/ASME B1.3	Form. C		Tol. 2B D	800 N/mm ²	173

2156	HSSE	DIN 371		UNF ANABRASIVE B1.1	Form. B "Gun"		Tol. 2B		R	800 N/mm ²	174
2155	HSSE	DIN 374		UNF ANABRASIVE B1.1	Form. B "Gun"		Tol. 2B		D	800 N/mm ²	174
2158	HSSE	DIN 371		UNF ANABRASIVE B1.1	Form. C		Tol. 2B		R	800 N/mm ²	175
2157	HSSE	DIN 374		UNF ANABRASIVE B1.1	Form. C		Tol. 2B		D	800 N/mm ²	175

Machos de máquina / Tarauds machine / Machine taps (UN-BSPT-UNEF-BA-PG-NPT-NPTF-NPS-NPSF-TR)

2189	HSSE	DIN 374		UN ANABRASIVE B1.1	Form. C		Tol. 2B		D	800 N/mm ²	176
2143	HSSE	DIN 374		UNS ANABRASIVE B1.1	Form. C		Tol. 2B		D	800 N/mm ²	176
2159	HSSE	DIN 5156		Rc DIN 2999	Form. C				D	800 N/mm ²	177
2160	HSSE	DIN 374		UNEF ANABRASIVE B1.1	Form. C		Tol. 2B		D	800 N/mm ²	177
2162	HSSE	DIN 371		BA BS 93	Form. C		BSB 93		R	800 N/mm ²	178
2163	HSSE	DIN 40433		PG DIN 40433	Form. C				D	800 N/mm ²	178
2164	HSSE	DIN 374		NPT ANABRASIVE B1.2B.1	Form. C		Tol. 6H		D	800 N/mm ²	178
2209	HSSE	DIN 374		NPTF ANABRASIVE B1.2B.1	Form. C		Tol. 6H		D	800 N/mm ²	179
2210	HSSE	DIN 374		NPS ANABRASIVE B1.2B.1	Form. C		Tol. 6H		D	800 N/mm ²	179
2211	HSSE	DIN 374		NPSF ANABRASIVE B1.2B.1	Form. C		Tol. 6H		D	800 N/mm ²	180
2212	HSSE			Tr DIN 103			Tol. 7H			800 N/mm ²	180

Machos de máquina especiales / Tarauds machine speciaux / Special machine taps

2111	HSSE	DIN 371-L		M DIN 13	Form. B "Gun"		Tol. 6H		R	800 N/mm ²	181
2112	HSSE	DIN 371-L		M DIN 13	Form. C		Tol. 6H		R	800 N/mm ²	181

2127	HSSE	DIN 371		M DIN 13	Form. B "Gun"	Tol. 6H	CHAPRA TOILE SHEET METAL	R	800 N/mm ²	182
2199	HSSE	DIN 357		M DIN 13	Form. A	Tol. 6H		D	800 N/mm ²	182
2134	HSSE	DIN 357		M DIN 13	Form. A	Tol. 6H		D	800 N/mm ²	183
2806	HSSE	DIN 13		M DIN 13		Tol. 6H			800 N/mm ²	183

Machos de máquina izquierdas / Tarauds machine a gauche / Left hand machine taps

2101/5	HSSE	DIN 376/374		M DIN 13	MF DIN 13	Form. C	Tol. 6H	LH	D	800 N/mm ²	184
2102/5	HSSE	DIN 371		M DIN 13	MF DIN 13	Form. C	Tol. 6H	LH	R	800 N/mm ²	184
2135/5	HSSE	DIN 376		BSW BS 84		Form. C		LH	D	800 N/mm ²	184
2136/5	HSSE	DIN 371		BSW BS 84		Form. C		LH	R	800 N/mm ²	185
2144/5	HSSE	DIN 5156		G ISO 228		Form. C		LH	D	800 N/mm ²	185
2147/5	HSSE	DIN 376		UNC ANSI/ASME B1.1		Form. C		LH	D	800 N/mm ²	185
2153/5	HSSE	DIN 374		UNF ANSI/ASME B1.1		Form. C		LH	D	800 N/mm ²	186
2212/5	HSSE			Tr DIN 103			Tol. 7H	LH		800 N/mm ²	186

Machos de máquina tolerancias especiales / Tarauds machine tolerances especiales / Special tolerances machine taps

2110	HSSE	DIN 371		M DIN 13		Form. B "Gun"	Tol. 6H +0,1		R	800 N/mm ²	187
2109	HSSE	DIN 376		M DIN 13		Form. B "Gun"	Tol. 6H +0,1		D	800 N/mm ²	187
2166	HSSE	DIN 371		M DIN 13		Form. C	Tol. 6H +0,1	35°	R	800 N/mm ²	188
2165	HSSE	DIN 376		M DIN 13		Form. C	Tol. 6H +0,1	35°	D	800 N/mm ²	188
2168	HSSE	DIN 371		M DIN 13		Form. B "Gun"	Tol. 6G		R	800 N/mm ²	189

2169	HSSE	DIN 376			M DIN 13	Form. B "Gun"	Tol. 6G	D	800 N/mm ²	189
2170	HSSE	DIN 371			M DIN 13	Form. C	Tol. 6G	35° R	800 N/mm ²	190
2208	HSSE	DIN 376			M DIN 13	Form. C	Tol. 6G	35° D	800 N/mm ²	190

Machos de máquina de laminación / Tarauds machine a refouler / Roll machine taps

2131	HSSEX	DIN 371	AlCrN		M DIN 13	Form. C	Tol. 6HX	R	800 N/mm ²	191
2130	HSSEX	DIN 376	AlCrN		M DIN 13	Form. C	Tol. 6HX	D	800 N/mm ²	191
2188	HSSEX	DIN 371	TiN		M DIN 13	Form. C	Tol. 6HX	R	1100 N/mm ²	192
2187	HSSEX	DIN 376	TiN		M DIN 13	Form. C	Tol. 6HX	D	1100 N/mm ²	192
2198	HSSEX	DIN 371	AlCrN		M DIN 13	Form. C	Tol. 6HX	R	800 N/mm ²	193
2197	HSSEX	DIN 376	AlCrN		M DIN 13	Form. C	Tol. 6HX	D	800 N/mm ²	193
2214	HSSEX	DIN 371	TiN		M DIN 13	Form. C	Tol. 6HX	R	1100 N/mm ²	194
2213	HSSEX	DIN 376	TiN		M DIN 13	Form. C	Tol. 6HX	D	1100 N/mm ²	194
2200	HSSEX	DIN 371	AlCrN		M DIN 13	Form. C	Tol. 6GX	R	800 N/mm ²	195
2201	HSSEX	DIN 376	AlCrN		M DIN 13	Form. C	Tol. 6GX	D	800 N/mm ²	195
2216	HSSEX	DIN 371	TiN		M DIN 13	Form. C	Tol. 6GX	R	1100 N/mm ²	196
2215	HSSEX	DIN 376	TiN		M DIN 13	Form. C	Tol. 6GX	D	1100 N/mm ²	196
2202	HSSEX	DIN 371	AlCrN		M DIN 13	Form. C	Tol. 6GX	R	800 N/mm ²	197
2203	HSSEX	DIN 376	AlCrN		M DIN 13	Form. C	Tol. 6GX	D	800 N/mm ²	197
2218	HSSEX	DIN 371	TiN		M DIN 13	Form. C	Tol. 6GX	R	1100 N/mm ²	198

2217	HSSEX	DIN 376	TIN		M DIN 13	Form. B "Gun"	Tol. 6GX	D	1100 N/mm ²	198
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Machos de máquina alto rendimiento / Tarauds machine haut rendement / High performance machine taps

2116	HSSE	DIN 371	TIN		M DIN 13	Form. B "Gun"	Tol. 6H	R	1100 N/mm ²	199
2115	HSSE	DIN 376	TIN		M DIN 13	Form. B "Gun"	Tol. 6H	D	1100 N/mm ²	199
2118	HSSE	DIN 371	TIN		M DIN 13	Form. C	Tol. 6H	35° R	1100 N/mm ²	200
2117	HSSE	DIN 376	TIN		M DIN 13	Form. C	Tol. 6H	35° D	1100 N/mm ²	200
2171	HSSE	DIN 371	TiCN		M DIN 13	Form. B "Gun"	Tol. 6H	R	1100 N/mm ²	201
2172	HSSE	DIN 376	TiCN		M DIN 13	Form. B "Gun"	Tol. 6H	D	1100 N/mm ²	201
2173	HSSE	DIN 371	TiCN		M DIN 13	Form. C	Tol. 6H	35° R	1100 N/mm ²	202
2174	HSSE	DIN 376	TiCN		M DIN 13	Form. C	Tol. 6H	35° D	1100 N/mm ²	202
2129	HSSE	DIN 371	NIT		M DIN 13	Form. C	Tol. 6HX	R	F	203
2128	HSSE	DIN 376	NIT		M DIN 13	Form. C	Tol. 6HX	D	F	203
2180	HSSE	DIN 371	TiCN		M DIN 13	Form. C	Tol. 6HX	R	F	204
2179	HSSE	DIN 376	TiCN		M DIN 13	Form. C	Tol. 6HX	D	F	204
2133	HSSE	DIN 371			M DIN 13	Form. B "Gun"	Tol. 6H	R	AL	205
2132	HSSE	DIN 376			M DIN 13	Form. B "Gun"	Tol. 6H	D	AL	205
2182	HSSE	DIN 371			M DIN 13	Form. C	Tol. 6HX	45° R	AL	206
2181	HSSE	DIN 376			M DIN 13	Form. C	Tol. 6HX	45° D	AL	206
2184	HSSE	DIN 371	CrN		M DIN 13	Form. B "Gun"	Tol. 6H	R	AL	207

2183	HSSE	DIN 376	GrN		M DIN 13	Form. B "Gun"	Tol. 6H	D	○	AL	207
2186	HSSE	DIN 371	GrN		M DIN 13	Form. C	Tol. 6H	45° R	○	AL	208
2185	HSSE	DIN 376	GrN		M DIN 13	Form. C	Tol. 6H	45° D	○	AL	208
2190	HSSE	DIN 371			M DIN 13	Form. E	Tol. 6H	R	○	CU	209
2191	HSSE	DIN 376			M DIN 13	Form. E	Tol. 6H	D	○	CU	209
2192	HSSE	DIN 5156			G ISO 228	Form. E	Tol. 6H	D	○	CU	210
2206	HSSE	DIN 5156			G ISO 228	Form. E	Tol. 6H	+ 0,1 D	○	CU	210
2126	HSSEX	DIN 371	TiCN		M DIN 13	Form. B "Gun"	Tol. 6H	R	○	1100 N/mm ²	211
2125	HSSEX	DIN 376	TiCN		M DIN 13	Form. B "Gun"	Tol. 6H	D	○	1100 N/mm ²	211
2124	HSSEX	DIN 371	TiCN		M DIN 13	Form. C	Tol. 6H	35° R	○	1100 N/mm ²	212
2123	HSSEX	DIN 376	TiCN		M DIN 13	Form. C	Tol. 6H	35° D	○	1100 N/mm ²	212
2176	HSSEX	DIN 371	TiCN		M DIN 13	Form. D	Tol. 6HX	LH16° R	○	1400 N/mm ²	213
2175	HSSEX	DIN 376	TiCN		M DIN 13	Form. D	Tol. 6HX	LH16° D	○	1400 N/mm ²	213
2178	HSSEX	DIN 371	TiCN		M DIN 13	Form. C	Tol. 6HX	15° R	○	1400 N/mm ²	214
2177	HSSEX	DIN 376	TiCN		M DIN 13	Form. C	Tol. 6HX	15° D	○	1400 N/mm ²	214
2122	HSSE	DIN 371	VAP		M DIN 13	Form. B "Gun"	Tol. 6H	R	○	INOX	215
2121	HSSE	DIN 376	VAP		M DIN 13	Form. B "Gun"	Tol. 6H	D	○	INOX	215
2120	HSSE	DIN 371	VAP		M DIN 13	Form. C	Tol. 6H	35° R	○	INOX	216
2119	HSSE	DIN 376	VAP		M DIN 13	Form. C	Tol. 6H	35° D	○	INOX	216

2219	HSSE	DIN 371	TIN		M DIN 13	Form. B "Gun"	Tol. 6H	R	INOX	217
2220	HSSE	DIN 376	TIN		M DIN 13	Form. B "Gun"	Tol. 6H	D	INOX	217
2221	HSSE	DIN 371	TIN		M DIN 13	Form. C	Tol. 6H	35° R	INOX	218
2222	HSSE	DIN 376	TIN		M DIN 13	Form. C	Tol. 6H	35° D	INOX	218

Cojinetes / Filières / Dies

2501	HSS	DIN EN22568			MF DIN 13	Tol. 6g		219	
2501/5	HSS	DIN EN22568			M DIN 13	MF DIN 13	Tol. 6g	 	220
2514	HSSE	DIN EN22568	NIT		M DIN 13	MF DIN 13	Tol. 6g	  	221
2512	HSSE	DIN EN22568	VAP		M DIN 13		Tol. 6g	  	INOX 221
2502	HSS	DIN EN22568			BSW BS 84				222
2502/5	HSS	DIN EN22568			BSW BS 84				222
2503	HSS	DIN EN22568			BSF BS 84				223
2504	HSS	DIN EN24231			G ISO 228				223
2504/5	HSS	DIN EN24231			G ISO 228				223
2522	HSS	DIN EN24231			G ISO 228	Form. A			CU 224
2521	HSS	DIN EN24231			G ISO 228		+0,1		CU 224
2505	HSS	DIN EN22568			UNC ANEBASME BL1	Tol. 2A			225
2505/5	HSS	DIN EN22568			UNC ANEBASME BL1	Tol. 2A			225
2506	HSS	DIN EN22568			UNF ANEBASME BL1	Tol. 2A			226

2506/5	HSS	DIN EN22568		UNF ANSI/ASME B1.1	Tol. 2A	LH	800 N/mm ²	226
2507	HSS	DIN EN24230		Rc DIN 2999			800 N/mm ²	227
2508	HSS	DIN EN22568		UNEF ANSI/ASME B1.1	Tol. 2A		800 N/mm ²	227
2520	HSS	DIN EN22568		UN ANSI/ASME B1.1	Tol. 2A		800 N/mm ²	227
2510	HSS	DIN 40434		PG DIN 40430			800 N/mm ²	228
2523	HSS	DIN EN22568		BA BS 93			800 N/mm ²	228
2509	HSS	DIN EN24230		NPT ANSI/ASME B1.20.1			800 N/mm ²	228
2524	HSS	DIN EN24230		NPTF ANSI/ASME B1.20.1			800 N/mm ²	229
2525	HSS	DIN EN24230		NPS ANSI/ASME B1.20.1			800 N/mm ²	229
2526	HSS	DIN EN24230		NPSF ANSI/ASME B1.20.1			800 N/mm ²	229

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2801	Giramachos / Tourne-à-gauche / Tap turners		230
2802	Volvedor / Porte-filières / Tap wrench		230
2803	Giramacho T / Tourne-à-gauche en T / Tap turner in T		230
2804	Giramacho T / Tourne-à-gauche en T / Tap turner in T		231
2805	Extractor / Extracteur		231
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2846	Aceite / Huile / Oil		232
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Machos máquina para insertos / Tarauds machine pour inserts / Machine taps for wire thread inserts									
2701	HSS	ISO 529			M DIN 13	Form. D		800 N/mm2	239
2702	HSS	ISO 529			UNC ANSI/ASME B1.1	Form. D		800 N/mm2	239
2703	HSS	ISO 529			UNF ANSI/ASME B1.1	Form. D		800 N/mm2	240
2704	HSS	ISO 529			BSW BS 84	Form. D		800 N/mm2	240
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2705	HSS	DIN 8140			M DIN 13	Tol. 6H		800 N/mm2	241
2706	HSS	DIN 8140			UNC ANSI/ASME B1.1	Tol. 2B		800 N/mm2	242
2707	HSS	DIN 8140			UNF ANSI/ASME B1.1	Tol. 2B		800 N/mm2	243
2708	HSS	DIN 8140			BSW BS 84	Tol. 2B		800 N/mm2	244
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2709	Insertador / Appareil de pose manuel / Insert Tool								245
2710	Rompe Arrastre / Rupteur / Tang break tool								246
Estuches / Coffrets / Sets									
Calibres / Calibres / Gauges									
2901/1	ISO 1502			CTPNP	M DIN 13	MF DIN 13	Tol. 6H	PASA NO PASA	250
2901/4	ISO 1502			CTP	M DIN 13	MF DIN 13	Tol. 6H	PASA	251
2901/5	ISO 1502			CTNP	M DIN 13	MF DIN 13	Tol. 6H	NO PASA	251
2901/2	ISO 1502			CAP	M DIN 13	MF DIN 13	Tol. 6G	PASA	252
2901/3	ISO 1502			CANP	M DIN 13	MF DIN 13	Tol. 6G	NO PASA	253
2902/1	ISO 228-2			CTPNP	G ISO 228			PASA NO PASA	254

2902/4	ISO 228-2		CTP G ISO 228 PASA	254
2902/5	ISO 228-2		CTNP G ISO 228 NO PASA	254
2902/2	ISO 228-2		CAP G ISO 228 PASA	255
2902/3	ISO 228-2		CANP G ISO 228 NO PASA	255
2903/1	BS 919		CTPNP BSW BS 84 PASA NO PASA	256
2903/2	BS 919		CAP BSW BS 84 PASA	256
2903/3	BS 919		CANP BSW BS 84 NO PASA	256
2904/1	ANSI / ASME B1.2		CTPNP UNC ANSI/ASME B1.1 PASA NO PASA	257
2904/2	ANSI / ASME B1.2		CAP UNC ANSI/ASME B1.1 PASA	257
2904/3	ANSI / ASME B1.2		CANP UNC ANSI/ASME B1.1 NO PASA	257
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2905/3	ANSI / ASME B1.2		CANP UNF ANSI/ASME B1.1 NO PASA	259
2906/1	ANSI / ASME B1.20.1		CTPNP NPT ANSI/ASME B1.1 PASA NO PASA	259
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2907/1	DIN 7162		CTL PASA NO PASA	260
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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:

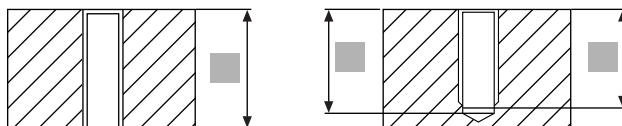
Dureza / Durété / Hardness: HB HRc Resistencia / Résistance / Resistance: N/mm²

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 V. Avance
Cutting Speed Feed

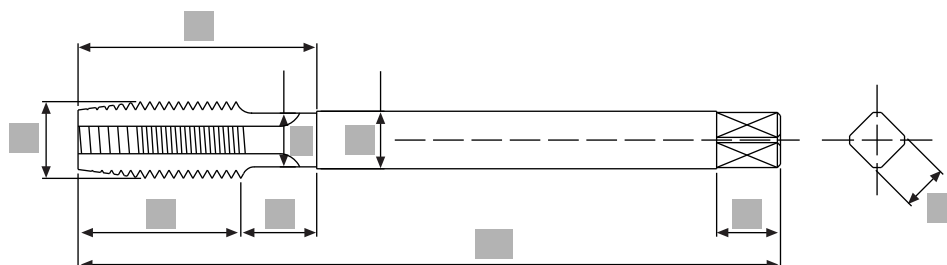
Agujero / Trou / Hole:



HERRAMIENTA / OUTIL / TOOL

Descripción / Description: Tolerancia / Tolérance / Tolerance:

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



Mango: ☐ Reforzado ☐ Delgado ☐ Rebajado
Queue: Renforcée Fine Réduite
Shank: Reinforced Thin 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:

.....
.....
.....
.....

Servicio de Herramienta Especial - Service Outils Spéciaux - Special Tools Service

Tel. (+34) 93 387 32 99 - Fax.(+ 34) 93 383 33 08 - especiales@hepycrf.com

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:

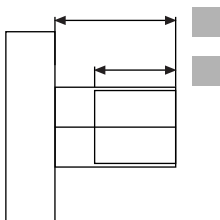
Dureza / Durété / Hardness HB HRc Resistencia / Résistance / Resistance N/mm²

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 V. Avance
Cutting Speed Feed

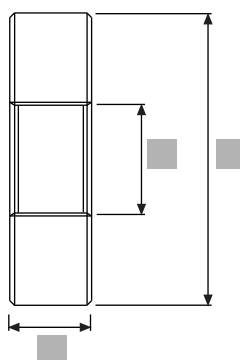
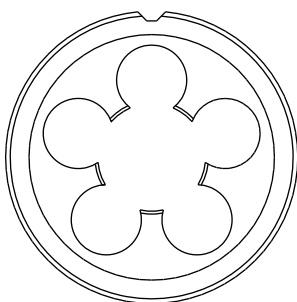
Eje / Axe / Axis:



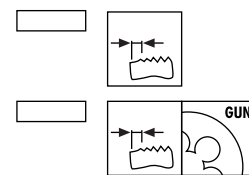
HERRAMIENTA / OUTIL / TOOL

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:

Servicio de Herramienta Especial - Service Outils Spéciaux - Special Tools Service

Tel. (+34) 93 387 32 99 - Fax. (+ 34) 93 383 33 08 - especiales@hepycrf.com

TABLA DE APLICACIONES

GUIDE D'APPLICATION / APPLICATION GUIDE

MATERIALES DE FABRICACION / MATÉRIAUX DE FABRICATION / PRODUCTION MATERIAL						
Composición	C	Cr	Mo	W	Co	V
HSS	0,90	4,10	5,00	6,40		1,80
HSSE	0,93	4,20	5,00	6,40	4,80	1,80
HSSEX-ASP 2030	1,28	4,20	5,00	6,40	8,50	3,10
HSSEX-ASP 2055	1,69	4,20	4,60	6,30	9,00	3,20

Recubrimientos y tratamientos / Revêtements et traitements / Coatings and Treatments

TiN - Nitruro de Titanio Nitre de Titane Titanium Nitride	TiCN - Carbonitruro de Titanio Carbonitrure de Titane Titanium carbonitride
TiAlN - Nitruro de Titanio Aluminio Nitre de Titane Aluminium Titanium Aluminium Nitride	VAP - Vaporización Vaporisation Vaporization
NiTi - Nitruación Nitruration Nitride Hardening	AlCrN - Carbonitruro de Aluminio Carbonitrure de Aluminium Aluminium carbonitride
CrN - Nitruro de Cromo Nitre de Chrome Chromium nitride	

AGUJERO / TROU / HOLE

FORMA / FORME / FORM

RECUBRIMIENTO / REVÊTEMENT / COATING

MATERIAL / MATIÈRE / MATERIAL

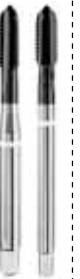
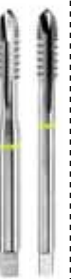
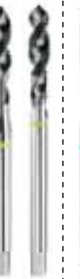
TOLERANCIA / TOLERANCE / TOLERANCE

P	P	P	C	C
C	A	B	C - 35°	C - 15°
HSSE 6 H	HSSE 6 H	HSSE 6 H	HSSE 6 H	HSSE 6 H

Material / Matière / Material			Resistencia Résistance Resistance (N/mm²)	Vc m/min sin recubrir sans revêtements without coating	Vc m/min TiN, TiCN, TiAlN, CrN	Refrigeración	2101 2102	2113 2114	2103 2104	2105 2106	2107 2108
1. ACEROS ACIERS STEELS	800 N/mm²	1.1. Magnéticos blandos Magnétiques mous / Soft magnetic	<400	20-25	40-50	E	●	●	●	●	●
		1.2. Construcción y cementación Bâtiment et cementation / Construction and cement	<700	15-20	30-40	E	●	●	●	●	●
		1.3. Al carbono no aleados Au carbone non alliés / Non-alloy carbon	<750	12-18	24-36	E	●	●	●	●	●
		1.4. Aleados Alliés / alloys	<850	10-15	20-30	E/A	●	●	●	●	●
	1100 N/mm²	1.5. Aleados tratados Alliés traités / Treated alloys	<1200	6-10	12-20	E/A					
	1400 N/mm²	1.6. Aleados alta resistencia Alliés haute résistance / High resistant alloys	<1400	4-6	8-12	E/A					
2. INOX INOX STAINLESS	INOX	2.1. Azufrados Au soufre / Sulphureous	<850	7-10	14-20	A					
		2.2. Austeníticos Austénitiques / Austenitic	<850	5-8	10-16	A					
		2.3. Ferríticos y martensíticos Ferritiques et martensitiques / Ferritic and martensitic	<850	5-8	10-16	A					
		2.4. Ferríticos y martensíticos Ferritiques et martensitiques / Ferritic and martensitic	<1200	4-6	8-12	A					
3. FUNDICIÓN FONTE CAST IRON	F	3.1. Gris con grafito laminar Fonte grise graphitueuse lames / Grey cast iron with lamellar graphite	<500	10-15	20-30	E					
		3.1. Gris con grafito laminar Fonte grise graphitueuse lames / Grey cast iron with lamellar graphite	<1000	5-8	10-16	E					
		3.3. Gris con grafito esferoidal Fonte grise graphite sphéroïdal / Grey with spheroidal graphite	<700	10-15	20-30	E	●	●	●	●	●
		3.4. Gris con grafito esferoidal Fonte grise graphite sphéroïdal / Grey with spheroidal graphite	<1000	5-8	10-16	E					
4. TITANIO TITANE TITANIUM	Ti	4.1. Puro Pur / Pure	<700	10-15	20-30	E					
		4.2. Aleaciones de Titanio Alliages de Titane / Titanium alloys	<900	8-12	16-24	A					
		4.3. Aleaciones de Titanio Alliages de Titane / Titanium alloys	<1250	4-6	8-12	A					
5. COBRE CUIVRE COPPER	Cu	5.1. Puro Pur / Pure	<350	6-8	12-16	E					
		5.2. Latón viruta corta Laiton copeau court / Short brass shaving	<700	25-35	50-70	A					
		5.3. Latón viruta larga Laiton copeau long / Long brass shaving	<700	15-20	30-40	E	●	●	●	●	●
		5.4. Bronce viruta corta Bronze copeau court / Short bronze shaving	<700	4-6	8-12	A					
		5.5. Bronce viruta larga Bronze copeau long / Long brass shaving	<700	10-15	20-30	E	●	●	●	●	●
6. ALUMINIO ALUMINIUM ALUMINIUM	Al	6.1. No aleados Non alliés / Non-alloys	<350	10-15	20-30	E					
		6.2. Aleaciones con Si<10% Alliages avec Si<10% / With alloys Si<10%	<400	10-15	20-30	A			●	●	
		6.3. Aleaciones con Si>10% Alliages avec Si>10% / With alloys Si>10%	<400	10-15	20-30	E			●	●	
		6.4. Aleaciones de magnesio Alliages de magnésium / Magnesium alloys	<400	10-15	20-30	E					
7. PLÁSTICOS PLASTIQUES PLASTICS	PL	7.1. Termoplásticos Thermoplastiques / Thermoplastic	<50	10-15	20-30	SECO AIRE			●	●	
		7.2. Duroplásticos Duroplastiques / Duroplastic	<80	10-15	20-30	SECO AIRE					

- - Recomendación Hepyc RF
- Hepyc RF recommandation
- Hepyc RF advice
- - Rendimiento óptimo
- Rendement optimum
- Optimum performance
- - Alto rendimiento
- Haute rendement
- Intensive performance

- Estos valores indicativos son para profundidades de taladro de aprox. 3-4 x d (Ø broca).
Para profundidades mayores recomendamos reducir la velocidad de corte y avance.
- Para brocas con recubrimiento TiN se puede aumentar la velocidad de corte un 30% y el avance un 10%.
Para brocas con recubrimiento TiAlN, se puede aumentar la velocidad de corte un 50% y el avance un 20%.

P	C	P	C	P	P	P	C	P	C	P	P	C	P	C
B	C - 35°	B	C - 35°	C	C	B	C - 45°	B	C - 45°	E	B	C - 35°	D - 15°	C - 15°
TiN	TiN	TiCN	TiCN	NiTi	TiCN			CrN	CrN		TiCN	TiCN	TiCN	TiCN
HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSEX ASP	HSSEX ASP	HSSEX ASP	HSSEX ASP
6H	6H	6H	6H	6HX	6HX	6H	6HX	6H	6H	6H	6H	6H	6HX	6HX
														
2115 2116	2117 2118	2171 2172	2173 2174	2128 2129	2179 2180	2132 2133	2181 2182	2183 2184	2185 2186	2190 2191	2125 2126	2123 2124	2175 2176	2177 2178
●	●	●	●											
○	○	○	○											
○	○	○	○											
●	●	●	●								●	●	○	○
											●	●	○	○
											●	●	●	●
											●	●	●	●
					●	○								
				●	●									
○														
											●	●	○	○
											●	●	○	○
											●	●	●	●
					●	●				●				
○	○	○	○											
				●	●									
○	○	○	○											
●	●	●	●				●	○	●					
●	●	●	●				○	●	○					
●	●	●	●				○	●	●					
●	●	●	●			●	●	●	●		●	●	●	●

- Ces valeurs sont indiquées pour des profondeurs de perçage d'environ 3-4 x d (Ø foret).
Pour des profondeurs supérieures, nous recommandons de réduire la vitesse de coupe et d'avance.
- Pour des forets revêtus de TiN, il est possible d'augmenter la vitesse de coupe de 30% et l'avance de 10%.
Pour les forets revêtus de TiAlN, il est possible d'augmenter la vitesse de coupe de 50% et l'avance de 20%.

- These indicative values are for drilling depths of approx 3-4 x d (bit Ø).
For greater depths we recommend reducing the speed of the cut and progression.
- For drill-bits with TiN coatings, the cut speed can be increased 30% and the progression 10%.
For drill-bits with TiAlN coatings the cutting speed can be increased 50% and the progression 20%.

TABLA DE APLICACIONES / GUIDE D'APPLICATION / APPLICATION GUIDE

MATERIALES DE FABRICACION / MATÉRIAUX DE FABRICATION / PRODUCTION MATERIAL						
Composición	C	Cr	Mo	W	Co	V
HSS	0,90	4,10	5,00	6,40		1,80
HSSE	0,93	4,20	5,00	6,40	4,80	1,80
HSSEX-ASP 2030	1,28	4,20	5,00	6,40	8,50	3,10
HSSEX-ASP 2055	1,69	4,20	4,60	6,30	9,00	3,20

Recubrimientos y tratamientos / Revêtements et traitements / Coatings and Treatments			
TIN -	Nitruro de Titanio Nitrure de Titane Titanium Nitride	TICN -	Carbonitruro de Titanio Carbiniture de Titane Titanium carbonitride
TIALN -	Nitruro de Titanio Aluminio Nitrure de Titane Aluminium Titanium Aluminium Nitride	VAP -	Vaporización Vaporisation Vaporization
NIT -	Nitruración Nitruration Nitriding	AlCrN -	Carbonitruro de Aluminio Carbiniture de Aluminium Aluminium carbonitride
CrN -	Nitruro de Cromo Nitrure de Chrome Chromium nitride		

AGUJERO / TROU / HOLE	P	C	P
FORMA / FORME / FORM	B	C - 35°	B
RECUBRIMIENTO / REVÊTEMENT / COATING	VAP	VAP	TIN
MATERIAL / MATIÈRE / MATERIAL	HSSE	HSSE	HSSE
TOLERANCIA / TOLÉRANCE / TOLERANCE	6 H	6 H	6 H



Material / Matières / Material			Vc m/min sin recubrir sans revêtements without coating	Vc m/min TIN, TICN, TIALN, CrN	Refrigeración	2121 2122	2119 2120	2219 2220
1. ACEROS ACIERS STEELS	800 N/mm ²	1.1. Magnéticos blandos Magnétiques mous / Soft magnetic	20-25	40-50	E	○	○	
		1.2. Construcción y cementación Bâtiment et cimentation / Construction and cement	15-20	30-40	E	●	●	
		1.3. Al carbono no aleados Au carbone non alliés / Non-alloy carbon	12-18	24-36	E			
		1.4. Aleados Alliés / Alloys	10-15	20-30	E/A			
	1100 N/mm ²	1.5. Aleados tratados Alliés traités / Treated alloys	6-10	12-20	E/A			
		1.6. Aleados alta resistencia Alliés haute résistance / High resistant alloys	4-6	8-12	E/A			
2. INOX INOX STAINLESS	INOX	2.1. Azufrados Au soufre / Sulphureous	7-10	14-20	A	●	●	○
		2.2. Austeníticos Austénitiques / Austenitic	5-8	10-16	A	●	●	○
		2.3. Ferríticos y martensíticos Ferritiques et martensitiques / Ferritic and martensitic	5-8	10-16	A	●	●	○
		2.4. Ferríticos y martensíticos Ferritiques et martensitiques / Ferritic and martensitic	4-6	8-12	A	●	●	○
3. FUNDICIÓN FONTE CAST IRON	F	3.1. Gris con grafito laminar Fonte grise graphituse lames / Grey cast iron with lamellar graphite	10-15	20-30	E			
		3.1. Gris con grafito laminar Fonte grise graphituse lames / Grey cast iron with lamellar graphite	5-8	10-16	E			
		3.3. Gris con grafito esferoidal Fonte grise graphite sphéroïdal / Grey with spheroidal graphite	10-15	20-30	E			
		3.4. Gris con grafito esferoidal Fonte grise graphite sphéroïdal / Grey with spheroidal graphite	5-8	10-16	E			
4. TITANIO TITANE TITANIUM	TI	4.1. Puro Pur / Pure	10-15	20-30	E	●	●	○
		4.2. Aleaciones de Titanio Alliages de Titanium / Titanium alloys	8-12	16-24	A			
		4.3. Aleaciones de Titanio Alliages de Titanium / Titanium alloys	4-6	8-12	A			
5. COBRE CUIVRE COPPER	CU	5.1. Puro Pur / Pure	6-8	12-16	E	●	●	
		5.2. Latón viruta corta Laiton copeau court / Short brass shaving	25-35	50-70	A			
		5.3. Latón viruta larga Laiton copeau long / Long brass shaving	15-20	30-40	E			
		5.4. Bronce viruta corta Bronze copeau court / Short bronze shaving	4-6	8-12	A			
		5.5. Bronce viruta larga Bronze copeau long / Long brass shaving	10-15	20-30	E			
6. ALUMINIO ALUMINIUM ALUMINIUM	AL	6.1. No aleados Non alliés / Non-alloys	10-15	20-30	E			
		6.2. Aleaciones con Si<10% Alliages avec Si<10% / With alloys Si<10%	10-15	20-30	A			
		6.3. Aleaciones con Si>10% Alliages con Si>10% / With alloys Si>10%	10-15	20-30	E			
		6.4. Aleaciones de magnesio Alliages de magnésium / Magnesium alloys	10-15	20-30	E			
7. PLÁSTICOS PLASTIQUES PLASTICS	PL	7.1. Termoplásticos Thermoplastiques / Thermoplastic	10-15	20-30	SECO AIRE			
		7.2. Duroplásticos Duroplastiques / Duroplastics	10-15	20-30	SECO AIRE			

● - Recomendación Hepyc RF - Hepyc RF recommandation - Hepyc RF advice	● - Rendimiento óptimo - Rendement optimum - Optimum performance	○ - Alto rendimiento - Haute rendement - Intensive performance
--	--	--

- Estos valores indicativos son para profundidades de taladro de aprox. 3-4 x d (Ø broca).
Para profundidades mayores recomendamos reducir la velocidad de corte y avance.
- Para brocas con recubrimiento TIN se puede aumentar la velocidad de corte un 30% y el avance un 10%.
Para brocas con recubrimiento TIALN, se puede aumentar la velocidad de corte un 50% y el avance un 20%.

AGUJERO / TROU / HOLE					P, C	P, C	P, C	P, C	P, C	P, C	P, C	P, C	P, C
FORMA					C	C	C	C	C	C	C	C	C
ELONGACIÓN					A>12%	A>12%	A>12%	A>12%	A>12%	A>12%	A>12%	A>12%	A>12%
RECUBRIMIENTO / REVÊTEMENT / COATING					AlCrN	TIN	AlCrN	TIN	AlCrN	TIN	AlCrN	TIN	AlCrN
MATERIAL / MATIÈRE / MATERIAL					HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
TOLERANCIA / TOLÉRANCE / TOLERANCE					6HX	6HX	6HX	6HX	6GX	6GX	6GX	6GX	6GX
													
2221 2222	Resistencia Résistance Resistance (N/mm²)	Vc m/min Sin recubrir Sans revêtements Without coating	Vc m/min TIN, TiCN, TiAlN, CrN Con recubrimiento With coating Avec revêtement	Refrigeración	2130 2131	2187 2188	2197 2198	2213 2214	2199 2200	2215 2216	2202 2203	2217 2218	
	<400	20-25	40-50	E	○	●	○	●	○	●	○	●	
	<700	15-20	30-40	E	○	●	○	●	○	●	○	●	
	<750	12-18	24-36	E	○	●	○	●	○	●	○	●	
	<850	10-15	20-30	E/A	○	●	○	●	○	●	○	●	
	<1200	6-10	12-20	E/A									
	<1400	4-6	8-12	E/A									
○	<850	7-10	14-20	A	○	●	○	●	○	●	○	●	
○	<850	5-8	10-16	A	○	●	○	●	○	●	○	●	
○	<850	5-8	10-16	A									
●	<1200	4-6	8-12	A									
	<500	10-15	20-30	E									
	<1000	5-8	10-16	E									
	<700	10-15	20-30	E									
	<1000	5-8	10-16	E									
○	<700	10-15	20-30	E	○	●	○	●	○	●	○	●	
	<900	8-12	16-24	A									
	<1250	4-6	8-12	A									
	<350	6-8	12-16	E	○	●	○	●	○	●	○	●	
	<700	25-35	50-70	A									
	<700	15-20	30-40	E									
	<700	4-6	8-12	A									
	<700	10-15	20-30	E									
	<350	10-15	20-30	E	○	●	○	●	○	●	○	●	
	<400	10-15	20-30	A	○	●	○	●	○	●	○	●	
	<400	10-15	20-30	E									
	<400	10-15	20-30	E	○	●	○	●	○	●	○	●	
	<50	10-15	20-30	SECO AIRE									
	<80	10-15	20-30	SECO AIRE									

- Ces valeurs sont indiquées pour des profondeurs de perçage d'environ 3-4 x d (Ø foret).
Pour des profondeurs supérieures, nous recommandons de réduire la vitesse de coupe et d'avance.
- Pour des forets revêtus de TIN, il est possible d'augmenter la vitesse de coupe de 30% et l'avance de 10%.
Pour les forets revêtus de TiAlN, il est possible d'augmenter la vitesse de coupe de 50% et l'avance de 20%.

- These indicative values are for drilling depths of approx 3-4 x d (bit Ø).
For greater depths we recommend reducing the speed of the cut and progression.
- For drill-bits with TIN coatings, the cut speed can be increased 30% and the progression 10%.
For drill-bits with TiAlN coatings the cutting speed can be increased 50% and the progression 20%.

TABLA DE APLICACIONES

GUIDE D'APPLICATION / APPLICATION GUIDE

RECUBRIMIENTO / REVÊTEMENT / COATING	TIN			VAP
MATERIAL / MATIÈRE / MATERIAL	HSS	HSS	HSSE	HSSE
ENTRADA	6H	6H	6H	6H
TOLERANCIA / TOLÉRANCE / TOLERANCE	6H	6H	6H	6H

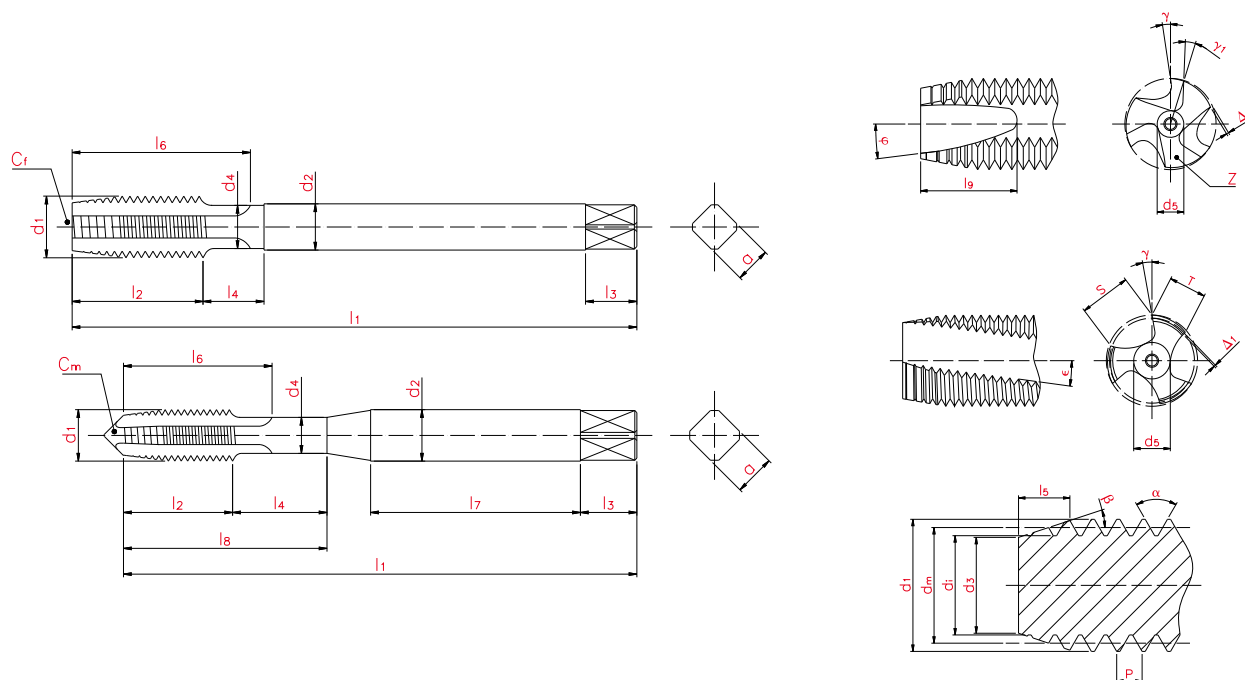
Material / Matières / Material			Resistencia Résistance Resistance (N/mm²)	2301	2302	2314	2303
1. ACEROS ACIERS STEELS	800 N/mm²	1.1. Magnéticos blandos Magnétiques mous / Soft magnetic	<400	●	●		●
		1.2. Construcción y cementación Bâtiment et cimentation / Construction and cement	<700	●	○		●
		1.3. Al carbono no aleados Au carbone non alliés / Non-alloy carbon	<750	●	○		
		1.4. Aleados Alliés / alloys	<850	●	●	●	
	1100 N/mm²	1.5. Aleados tratados Alliés traités / Treated alloys	<1200			●	
	1400 N/mm²	1.6. Aleados alta resistencia Alliés haute résistance / High resistant alloys	<1400			●	
2. INOX INOX STAINLESS	INOX	2.1. Azufrados Au soufre / Sulphureous	<850				○
		2.2. Austeníticos Austénitiques / Austenitic	<850				○
		2.3. Ferríticos y martensíticos Ferritiques et martensitiques / Ferritic and martensitic	<850			●	○
		2.4. Ferríticos y martensíticos Ferritiques et martensitiques / Ferritic and martensitic	<1200			●	●
3. FUNDICIÓN FONTE CAST IRON	F	3.1. Gris con grafito laminar Fonte grise graphitreuse lames / Grey cast iron with lamellar graphite	<500				
		3.1. Gris con grafito laminar Fonte grise graphitreuse lames / Grey cast iron with lamellar graphite	<1000				
		3.3. Gris con grafito esférico Fonte grise graphite sphéroïdal / Grey with spheroidal graphite	<700	●	○		
		3.4. Gris con grafito esférico Fonte grise graphite sphéroïdal / Grey with spheroidal graphite	<1000			●	
4. TITANIO TITANE TITANIUM	TI	4.1. Puro Pur / Pure	<700				○
		4.2. Aleaciones de Titanio Alliages de Titane / Titanium alloys	<900			●	
		4.3. Aleaciones de Titanio Alliages de Titane / Titanium alloys				●	
5. COBRE CUIVRE COPPER	CU	5.1. Puro Pur / Pure	<350			●	●
		5.2. Latón viruta corta Laiton copeau court / Short brass shaving	<700				
		5.3. Latón viruta larga Laiton copeau long / Long brass shaving	<700	●	○		
		5.4. Bronce viruta corta Bronze copeau court / Short bronze shaving	<700				
		5.5. Bronce viruta larga Bronze copeau long / Long brass shaving	<700	●	○		
6. ALUMINIO ALUMINIUM ALUMINIUM	AL	6.1. No aleados Non alliés / Non-alloys	<350				
		6.2. Aleaciones con Si<10% Alliages avec Si<10% / With alloys Si<10%	<400	●	○		
		6.3. Aleaciones con Si>10% Alliages avec Si>10% / With alloys Si>10%	<400				
		6.4. Aleaciones de magnesio Alliages de magnésium / Magnesium alloys	<400				
7. PLÁSTICOS PLASTIQUES PLASTICS	PL	7.1. Termoplásticos Thermoplastiques / Thermoplastics	<50	●	○		
		7.2. Duroplásticos Duroplastiques / Duroplastics	<80			●	

- - Recomendación Hepyc RF
- Hepyc RF recommandation
- Hepyc RF advice
- - Rendimiento óptimo
- Rendement optimum
- Optimum performance
- - Alto rendimiento
- Haute rendement
- Intensive performance

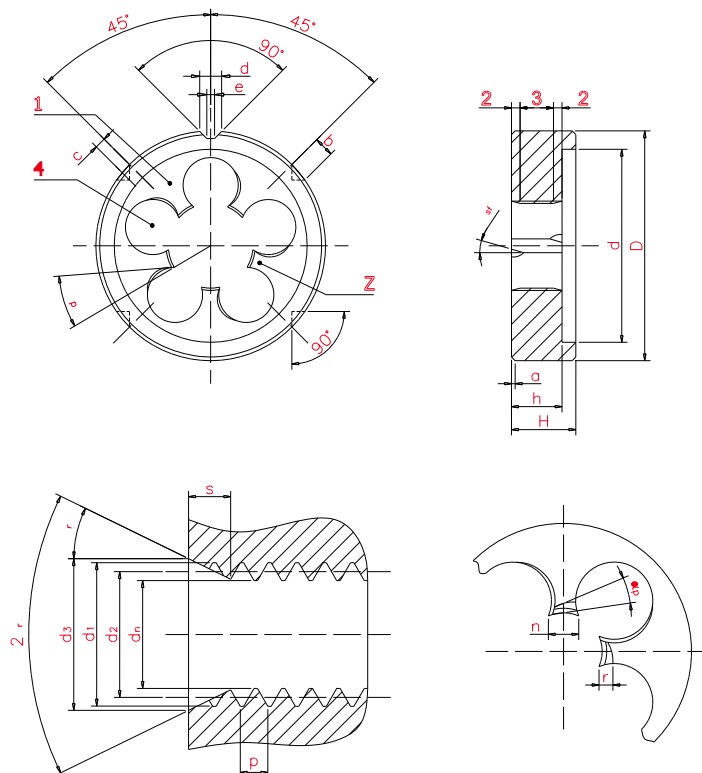
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Para brocas con recubrimiento TIALN, se puede aumentar la velocidad de corte un 50% y el avance un 20%.

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 / Bled length
l5	Longitud de entrada / Longueur d'entrée / Chamfer length
l6	Longitud de ranura / Longueur de rainure / Length of groove
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 / Blade chamfer length
d1	Diámetro exterior / Diamètre extérieur / Exterior 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 / Bled diameter
d5	Diámetro del alma / Diamètre de l'âme / Core diameter
dm	Diámetro medio / Diamètre moyen / Average diameter
di	Diámetro interno / Diamètre interne / Interior diameter
α	Cuadrado / Carré / Square
Cm	Punto macho / Pointe mâle / Tap point
Cf	Punto hembra / Pointe femelle / Female point
P	Paso de la rosca / Pas de filetage / Flow of the thread
S	Ancho de la ranura / Largeur de la rainure / Groove width
T	Ancho del diente / Largeur de la dent / Tooth width
Z	Número de ranuras / Nombre de rainures / Number of grooves
α	Ángulo de flancos / Angle de flancs / Flank angles
β	Ángulo de la entrada / Angle de l'entrée / Entry angle
γ	Ángulo de corte / Angle de coupe / Cut angle
γ1	Ángulo de corte de la entrada corregida / Angle de coupe de l'entrée corrigée / Cut angle of the corrected entry
φ	Ángulo de la entrada corregida / Angle de l'entrée corrigée / Corrected entry angle
ε	Ángulo de la ranura / Angle de la rainure / Groove 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



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	Chaflán / 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°	BSF 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	16	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	8	12	16	20	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	12	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	12	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	12	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)		NPS/NPT		PG	
3/32 = 2,381 mm	5/8 = 15,875 mm	G1/8 = 9,728 mm	G1 3/8 = 44,323 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	G1 1/2 = 47,803 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	G1 5/8 = 51,988 mm	3/8 = 17,145 mm	PG11 = 18,60 mm				
3/16 = 4,762 mm	1" = 25,400 mm	G1/2 = 20,955 mm	G1 3/4 = 53,746 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	G2" = 59,614 mm	3/4 = 23,670 mm	PG16 = 22,50 mm				
1/4 = 6,350 mm	1 1/4 = 31,750 mm	G3/4 = 26,441 mm	G2 1/4 = 65,710 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	G2 3/8 = 69,390 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	G2 1/2 = 75,184 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	G2 3/4 = 81,534 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	G3" = 87,844 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"	EQUIV. mm	PAS h/1"	EQUIV. mm	PAS h/1"	EQUIV. mm	PAS h/1"	EQUIV. mm	PAS h/1"	EQUIV. 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)	Øa	d1 x p (mm)	Øa	d1 x p (mm)	Øa	d1 x p (mm)	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)		
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	
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	

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	

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	

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	

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	

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	

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	

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	

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

M	Ø a
d1 x p (mm)	
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

MF	Ø a
d1 x p (mm)	
M 2 x 0,25	1,97
M 2,2 x 0,25	2,17
M 2,3 x 0,25	2,27
M 2,5 x 0,35	2,44
M 2,6 x 0,35	2,54
M 3 x 0,35	2,94
M 3,5 x 0,35	3,44
M 4 x 0,35	3,94
M 4 x 0,5	3,93
M 4,5 x 0,5	4,42
M 5 x 0,5	4,93
M 5,5 x 0,5	5,42
M 6 x 0,5	5,93
M 6 x 0,75	5,90
M 7 x 0,5	6,92
M 7 x 0,75	6,90
M 8 x 0,5	7,93
M 8 x 0,75	7,90
M 8 x 1	7,88
M 9 x 0,75	8,90
M 9 x 1	8,88
M 10 x 0,5	9,93
M 10 x 0,75	9,90
M 10 x 1	9,88
M 10 x 1,25	9,86
M 11 x 0,75	10,90
M 11 x 1	10,88
M 11 x 1,25	10,87
M 12 x 0,75	11,90
M 12 x 1	11,88
M 12 x 1,25	11,86
M 12 x 1,5	11,85
M 13 x 0,75	12,90
M 13 x 1	12,88
M 13 x 1,25	12,87
M 13 x 1,5	12,85
M 14 x 0,75	13,90
M 14 x 1	13,88
M 14 x 1,25	13,86
M 14 x 1,5	13,85
M 15 x 1	14,88
M 15 x 1,25	14,87
M 15 x 1,5	14,85
M 16 x 1	15,88
M 16 x 1,25	15,87
M 16 x 1,5	15,85
M 17 x 1,25	16,87
M 17 x 1,5	16,85
M 18 x 1	17,88
M 18 x 1,25	17,85
M 18 x 1,5	17,85
M 18 x 2	17,82
M 19 x 1	18,88
M 19 x 1,25	18,87
M 19 x 1,5	18,85
M 20 x 1	19,88
M 20 x 1,25	19,87
M 20 x 1,5	19,85
M 20 x 2	19,82

MF	Ø a
d1 x p (mm)	
M 21 x 1	20,88
M 21 x 1,25	20,87
M 21 x 1,5	20,85
M 22 x 1	21,88
M 22 x 1,25	21,87
M 22 x 1,5	21,85
M 22 x 2	21,82
M 23 x 1	22,88
M 23 x 1,5	22,85
M 24 x 1	23,88
M 24 x 1,25	23,87
M 24 x 1,5	23,85
M 24 x 2	23,82
M 25 x 1	24,88
M 25 x 1,25	24,87
M 25 x 1,5	24,85
M 25 x 2	24,82
M 26 x 1	25,88
M 26 x 1,5	25,85
M 26 x 2	25,82
M 27 x 1	26,88
M 27 x 1,5	26,85
M 27 x 2	26,82
M 28 x 1	27,88
M 28 x 1,5	27,85
M 28 x 2	27,82
M 30 x 1	29,88
M 30 x 1,5	29,85
M 30 x 2	29,82
M 30 x 3	29,76
M 32 x 1	31,88
M 32 x 1,5	31,85
M 32 x 2	31,82
M 33 x 1	32,88
M 33 x 1,5	32,85
M 33 x 2	32,82
M 33 x 3	32,76
M 34 x 1,5	33,85
M 34 x 2	33,82
M 35 x 1,5	34,85
M 36 x 1,5	35,85
M 36 x 2	35,82
M 36 x 3	35,76
M 38 x 1,5	37,85
M 38 x 2	37,82
M 39 x 1,5	38,85
M 39 x 2	38,82
M 39 x 3	38,76
M 40 x 1,5	39,85
M 40 x 2	39,82
M 40 x 3	39,76
M 42 x 1,5	41,85
M 42 x 2	41,82
M 42 x 3	41,76
M 44 x 1,5	43,75
M 45 x 1,5	44,85
M 45 x 2	44,82
M 45 x 3	44,76
M 45 x 4	44,70

MF	Ø a
d1 x p (mm)	
M 48 x 1,5	47,85
M 48 x 2	47,82
M 48 x 3	47,76
M 48 x 4	47,70
M 50 x 1,5	49,85
M 50 x 2	49,82
M 50 x 3	49,76
M 52 x 1,5	51,85
M 52 x 2	51,82
M 52 x 3	51,76
M 52 x 4	51,70
M 56 x 1,5	55,85
M 56 x 2	55,82
M 56 x 3	55,76
M 56 x 4	55,70
M 60 x 1,5	59,75
M 60 x 2	59,82
M 60 x 3	59,76
M 60 x 4	59,70
M 63 x 1,5	62,85

BSW	Ø a
d1 (") - p (tpi)	
W 1/16 - 60	1,49
W 3/32 - 48	2,28
W 1/8 - 40	3,06
W 5/32 - 32	3,85
W 3/16 - 24	4,63
W 7/32 - 24	5,42
W 1/4 - 20	6,18
W 5/16 - 18	7,78
W 3/8 - 16	9,35
W 7/16 - 14	10,90
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)	Ø a
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)	Ø a
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)	Ø a
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)	Ø a
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)	Ø a
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)	Ø a
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)	Ø a
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	Ø a
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	Ø a
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	Ø a
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 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 (Lr) mm										Diam. ext. (Dr ext) mín.	Diam. int. (Di int) mín.	Diam. int. (Di int) max.	Longitud mínima (Lr) mm					Diam. ext.(d1) mín.	Diam. ext.(d1) max.	Longitud (W) n° de hilos									
	mm	1x4	1.5x4	2x4	2.5x4	3x4	mm	mm	mm	1x4	1.5x4	2x4	2.5x4	3x4	mm	mm	1x4	1.5x4	2x4	2.5x4	3x4									
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	2,80	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	3,20	3,30	5,30	7,30	9,30	11,30									
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	3,80	3,90	6,30	8,30	10,30	12,30									
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	4,70	6,30	8,30	10,30	12,30									
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	10,80	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	4,70	8,90	12,60	15,60	18,60									
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	8,65	9,20	5,30	9,20	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	9,40	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	18,12	22,62	27,12	31,62	10,62	9,27	9,48	9,00	13,50	18,00	22,50	27,00	10,85	11,10	5,30	10,60	11,90	15,30	18,60									
M 10 x 1,50	10,40	16,75	21,75	26,75	31,75	36,75	11,95	10,32	10,58	10,00	15,00	20,00	25,00	30,00	11,95	12,50	5,00	11,10	12,40	15,70	17,20									
M 10 x 1,25	10,30	15,62	20,62	25,62	30,62	35,62	11,82	10,27	10,48	10,00	15,00	20,00	25,00	30,00	12,10	12,65	6,00	10,70	13,10	16,50	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	16,00	21,00	26,00	31,00	13,10	13,50	5,60	13,00	15,40	19,10	22,90									
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	14,40	17,00	20,40	24,00									
M 12 x 1,50	12,40	18,75	24,75	30,75	36,75	42,75	14,10	12,32	12,68	12,00	18,00	24,00	30,00	36,00	14,25	14,95	6,20	14,80	17,50	21,00	24,80									
M 12 x 1,25	12,30	17,62	23,62	29,62	35,62	41,62	13,82	12,27	12,48	12,00	18,00	24,00	30,00	36,00	14,30	15,00	7,40	14,80	17,90	21,00	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	17,90	21,60	25,00									
M 14 x 2,00	14,50	23,00	30,00	37,00	44,00	51,00	16,00	14,43	14,73	14,00	21,00	28,00	35,00	42,00	16,65	17,35	5,60	16,80	20,00	23,40	26,80									
M 14 x 1,50	14,40	20,75	27,75	34,75	41,75	48,75	15,95	14,35	14,56	14,00	21,00	28,00	35,00	42,00	16,56	16,64	7,40	16,60	19,70	23,00	26,40									
M 14 x 1,25	14,40	19,62	26,62	33,62	40,62	47,62	15,82	14,27	14,48	14,00	21,00	28,00	35,00	42,00	16,74	16,80	8,40	16,80	20,20	23,60	27,00									
M 14 x 1,00	14,30	18,50	25,50	32,50	39,50	46,50	15,70	14,22	14,41	14,00	21,00	28,00	35,00	42,00	16,85	16,85	11,20	17,20	20,60	24,00	27,40									
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	18,90	19,60	6,50	19,10	22,50	25,90	29,30									
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	18,80	19,40	8,70	19,40	22,80	26,20	29,60									
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	21,60	25,00	28,40	31,80									
M 18 x 2,00	18,50	27,00	36,00	45,00	54,00	63,00	20,60	18,43	18,73	18,00	27,00	36,00	45,00	54,00	20,80	21,45	7,10	21,20	24,60	28,00	31,40									
M 18 x 1,50	18,50	24,75	33,75	42,75	51,75	60,75	19,95	18,32	18,58	18,00	27,00	36,00	45,00	54,00	20,15	20,80	9,50	20,90	24,30	27,70	31,10									
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	23,55	24,40	8,30	23,80	27,20	30,60	34,00									
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	22,80	23,45	8,00	22,80	26,20	29,60	33,00									
M 20 x 1,50	20,50	26,75	36,75	46,75	56,75	66,75	21,95	20,32	20,58	20,00	30,00	40,00	50,00	60,00	22,20	22,80	10,70	22,40	25,80	29,20	32,60									
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	9,90	25,90	29,30	32,70	36,10									
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	24,80	28,20	31,60	35,00									
M 22 x 1,50	22,50	28,75	39,75	50,75	61,75	72,75	23,95	22,32	22,58	22,00	33,00	44,00	55,00	66,00	24,20	24,80	11,70	24,80	28,20	31,60	35,00									
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	36,00	48,00	60,00	72,00	28,00	29,00	6,20	28,00	31,40	34,80	38,20									
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	26,80	30,20	33,60	37,00									
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	26,80	30,20	33,60	37,00									
UNC N 2 x 56	2,40	4,80	5,90	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	9,00	10,60	12,10	3,67	3,00	3,15	2,90	4,30	5,80	7,30	8,70	3,60	4,00	2,80	6,80	8,80	10,80	12,80									
UNC N 5 x 40	3,40	6,60	8,20	9,80	11,40	13,00	4,00	3,33	3,48	3,20	4,80	6,40	8,00	9,60	4,00	4,40	3,30	7,80	9,80	11,80	13,80									
UNC N 6 x 32	3,70	7,70	9,50	11,30	13,10	14,90	4,54	3,68	3,89	3,50	5,30	7,10	8,90	10,70	4,50	4,90	2,60	8,80	10,80	12,80	14,80									
UNC N 8 x 32	4,40	8,40	10,50	12,50	14,50	16,50	5,11	4,34	4,52	4,20	6,30	8,40	10,50	12,60	5,20	5,60	3,50	9,90	11,90	13,90	15,90									
UNC N 10x24	5,20	9,90	12,30	14,70	17,10	19,50	6,20	5,06	5,28	4,80	7,20	9,60	12,00	14,40	6,20	6,60	2,90	11,90	13,90	15,90	17,90									
UNC N 12x24	5,80	10,60	13,30	16,0	18,80	21,60	6,86	5,72	5,92	5,50	8,20	11,00	13,80	16,60	6,80	7,20	3,50	12,90	14,90	16,90	18,90									
UNC 1/4 x 20	6,70	12,60	15,70	18,90	22,10	25,40	8,00	6,82	6,86	6,40	9,50	12,70	15,90	19,20</																

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

2301 HSS DIN 352/2181

M
DIN 13

MF
DIN 13



Tol.
6H

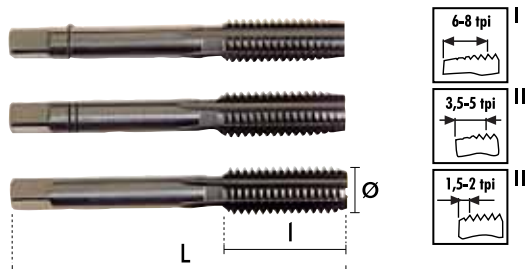
Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3°
Tap 3°

PVP = € / 3



Ø x P mm	Nº	€	L mm	I mm	Ø mm
M1,00 x 0,25	3	62,88	32	5,50	2,10
M1,10 x 0,25	3	62,88	32	5,50	2,10
M1,20 x 0,25	3	62,88	32	5,50	2,10
M1,40 x 0,30	3	62,88	32	7	2,10
M1,60 x 0,35	3	57,38	32	8	2,10
M1,70 x 0,35	3	36,23	32	8	2,10
M1,80 x 0,35	3	53,86	32	8	2,10
M2,00 x 0,40	3	28,57	36	8	2,10
M2,20 x 0,45	3	30,77	36	9	2,10
M2,30 x 0,40	3	30,81	36	9	2,10
M2,50 x 0,45	3	29,55	40	9	2,10
M2,60 x 0,45	3	27,19	40	9	2,10
M3,00 x 0,50	3	15,65	40	11	2,70
MF3,00 x 0,60	3	30,00	40	12	2,70
M3,50 x 0,60	3	21,66	45	13	3,00
MF3,50 x 0,75	3	36,24	45	14	3,40
MF4,00 x 0,50	2	30,51	45	10	3,40
M4,00 x 0,70	3	14,41	45	13	3,40
MF4,00 x 0,75	3	25,92	45	14	3,40
MF4,00 x 0,80	3	97,18	45	14	3,40
M4,50 x 0,75	3	27,91	50	16	4,90
MF5,00 x 0,50	2	32,45	50	12	4,90
MF5,00 x 0,75	2	30,23	50	12	4,90
M5,00 x 0,80	3	15,66	50	16	4,90
MF5,00 x 0,90	3	30,69	50	12	4,90
MF5,00 x 1,00	3	105,79	50	14	4,90
MF5,50 x 0,90	3	105,79	51	18	4,90
MF6,00 x 0,50	2	32,41	50	14	4,90
MF6,00 x 0,75	2	18,25	50	14	4,90
MF6,00 x 0,90	2	105,69	50	19	4,90
M6,00 x 1,00	3	15,66	50	19	4,90
MF6,00 x 1,25	3	105,79	51	18	4,90
MF7,00 x 0,75	2	23,05	50	14	4,90
M7,00 x 1,00	3	21,61	50	19	4,90
MF8,00 x 0,50	2	34,60	50	19	4,90
MF8,00 x 0,75	2	26,95	50	19	4,90
MF8,00 x 1,00	2	17,92	56	22	4,90
M8,00 x 1,25	3	18,85	56	22	4,90
MF8,00 x 1,50	3	117,29	56	22	4,90
MF9,00 x 1,00	2	23,16	63	20	5,50
M9,00 x 1,25	3	33,44	63	22	5,50
MF10,00x 0,50	2	87,90	63	18	5,50
MF10,00x 0,75	2	38,64	63	20	5,50
MF10,00x 1,00	2	19,44	63	20	5,50
MF10,00x 1,25	2	19,79	70	24	5,50

Ø x P mm	Nº	€	L mm	I mm	Ø mm
M10,00 x 1,50	3	23,80	70	24	5,50
MF11,00x 0,75	2	96,24	63	20	6,20
MF11,00x 1,00	2	34,36	63	20	6,20
MF11,00 x 1,25	2	34,36	63	22	6,20
M11,00 x 1,50	3	46,12	70	24	6,20
MF12,00 x 0,75	2	54,99	70	22	7,00
MF12,00 x 1,00	2	33,94	70	22	7,00
MF12,00 x 1,25	2	34,08	70	22	7,00
MF12,00 x 1,50	2	28,99	70	22	7,00
M12,00 x 1,75	3	30,94	75	29	7,00
MF13,00 x 0,75	2	96,24	70	20	9,00
MF13,00 x 1,00	2	55,64	70	22	9,00
MF13,00 x 1,25	2	55,64	70	22	9,00
MF13,00 x 1,50	2	55,64	70	22	9,00
M13,00 x 1,75	3	70,09	80	30	9,00
MF14,00 x 0,75	2	96,32	70	22	9,00
MF14,00 x 1,00	2	50,77	70	22	9,00
MF14,00 x 1,25	2	41,65	70	22	9,00
MF14,00 x 1,50	2	32,36	70	22	9,00
M14,00 x 2,00	3	40,71	80	30	9,00
MF15,00 x 1,00	2	75,06	70	22	9,00
MF15,00 x 1,25	2	78,99	70	22	9,00
MF15,00 x 1,50	2	76,84	70	22	9,00
M15,00 x 2,00	3	80,29	80	32	9,00
MF16,00 x 1,00	2	71,06	70	22	9,00
MF16,00 x 1,25	2	74,80	70	22	9,00
MF16,00 x 1,50	2	40,34	70	22	9,00
M16,00 x 2,00	3	57,32	80	32	9,00
MF17,00 x 1,00	2	114,50	70	22	9,00
MF17,00 x 1,25	2	114,50	70	22	9,00
MF17,00 x 1,50	2	114,50	70	22	9,00
MF18,00 x 1,00	2	78,98	80	22	11,00
MF18,00 x 1,25	2	112,87	80	22	11,00
MF18,00 x 1,50	2	53,49	80	22	11,00
MF18,00 x 2,00	2	85,10	80	22	11,00
M18,00 x 2,50	3	76,63	95	40	11,00
MF19,00 x 1,00	2	166,20	80	22	11,00
MF19,00 x 1,25	2	166,06	80	22	11,00
MF19,00 x 1,50	2	166,20	80	22	11,00
MF20,00 x 1,00	2	105,18	80	22	12,00
MF20,00 x 1,25	2	166,20	80	22	12,00
MF20,00 x 1,50	2	66,75	80	22	12,00
MF20,00 x 2,00	2	88,21	80	22	12,00
M20,00 x 2,50	3	86,11	95	40	12,00
MF21,00 x 1,00	2	214,78	80	22	12,00

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

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

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

Ø x P mm	Nº	€	L mm	I mm	mm
MF21,00 x 1,25	2	214,78	80	22	12,00
MF21,00 x 1,50	2	169,84	80	22	12,00
MF22,00 x 1,00	2	117,33	80	22	14,50
MF22,00 x 1,25	2	166,20	80	22	14,50
MF22,00 x 1,50	2	72,98	80	22	14,50
MF22,00 x 2,00	2	117,34	80	22	14,50
M22,00 x 2,50	3	105,57	100	40	14,50
MF23,00 x 1,00	2	214,57	80	22	14,50
MF23,00 x 1,50	2	214,57	80	22	14,50
MF24,00 x 1,00	2	131,19	90	22	14,50
MF24,00 x 1,25	2	214,78	90	22	14,50
MF24,00 x 1,50	2	93,15	90	22	14,50
MF24,00 x 2,00	2	131,19	90	22	14,50
M24,00 x 3,00	3	132,98	110	50	14,50
MF25,00 x 1,00	2	187,92	90	22	14,50
MF25,00 x 1,25	2	305,98	90	22	14,50
MF25,00 x 1,50	2	162,49	90	22	14,50
MF25,00 x 2,00	2	314,73	90	22	14,50
MF26,00 x 1,00	2	306,29	90	22	14,50
MF26,00 x 1,50	2	148,42	90	22	14,50
MF26,00 x 2,00	2	306,29	90	22	14,50
MF27,00 x 1,00	2	184,43	90	22	16,00
MF27,00 x 1,50	2	164,45	90	22	16,00
MF27,00 x 2,00	2	181,85	90	22	16,00
M27,00 x 3,00	3	171,27	110	50	16,00
MF28,00 x 1,00	2	306,27	90	22	16,00
MF28,00 x 1,50	2	164,89	90	22	16,00
MF28,00 x 2,00	2	306,27	90	22	16,00
MF30,00 x 1,00	2	190,03	90	22	18,00
MF30,00 x 1,50	2	171,04	90	22	18,00
MF30,00 x 2,00	2	197,19	90	22	18,00
M30,00 x 3,50	3	217,43	125	56	18,00
MF32,00 x 1,00	2	397,93	90	22	18,00
MF32,00 x 1,50	2	210,59	90	22	18,00
MF32,00 x 2,00	2	398,29	90	22	18,00
MF33,00 x 1,00	2	398,29	100	25	20,00
MF33,00 x 1,50	2	232,03	100	25	20,00
MF33,00 x 2,00	2	275,87	100	25	20,00

Ø x P mm	Nº	€	L mm	I mm	mm
M33,00 x 3,50	3	275,87	125	56	20,00
MF34,00 x 1,50	2	251,08	100	25	22,00
MF35,00 x 1,50	2	322,44	100	25	22,00
MF36,00 x 1,50	2	268,95	100	25	22,00
MF36,00 x 2,00	2	344,18	125	40	22,00
MF36,00 x 3,00	2	469,52	125	40	22,00
M36,00 x 4,00	3	355,28	150	63	22,00
MF38,00 x 1,50	2	302,54	100	25	22,00
MF38,00 x 2,00	2	543,25	125	40	22,00
MF39,00 x 1,50	2	405,76	110	25	24,00
MF39,00 x 2,00	2	405,76	125	40	24,00
MF39,00 x 3,00	2	394,84	125	40	24,00
M39,00 x 4,00	3	394,76	150	63	24,00
MF40,00 x 1,50	2	355,32	110	25	24,00
MF40,00 x 2,00	2	412,72	125	40	24,00
MF40,00 x 3,00	2	408,89	125	40	24,00
MF42,00 x 1,50	2	393,03	110	25	24,00
MF42,00 x 2,00	2	472,19	125	40	24,00
MF42,00 x 3,00	2	472,19	125	40	24,00
M42,00 x 4,50	3	494,62	150	63	24,00
MF45,00 x 1,50	2	442,47	110	25	29,00
MF45,00 x 2,00	2	562,16	125	40	29,00
MF45,00 x 3,00	2	562,16	125	40	29,00
M45,00 x 4,50	3	573,72	160	70	29,00
MF48,00 x 1,50	2	498,60	140	40	29,00
MF48,00 x 2,00	2	739,63	140	40	29,00
MF48,00 x 3,00	2	680,58	140	40	29,00
M48,00 x 5,00	3	689,05	180	75	29,00
MF50,00 x 1,50	2	545,27	140	40	29,00
MF52,00 x 1,50	2	578,44	140	40	32,00
MF52,00 x 2,00	2	832,18	140	40	32,00
MF52,00 x 3,00	2	772,63	140	40	32,00
M52,00 x 5,00	3	899,16	180	75	32,00
M56,00 x 5,50	3	1.298,74	200	85	35,00
M60,00 x 5,50	3	1.627,54	200	85	35,00
MF63,00 x 1,50	2	1.293,62	160	32	39,00
M64,00 x 6,00	3	2.032,47	220	90	39,00



MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

2301/5 HSS DIN 352 Izquierda / A gauche / Left hand

M
DIN 13

MF
DIN 13



Tol.
6H



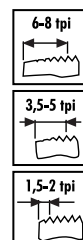
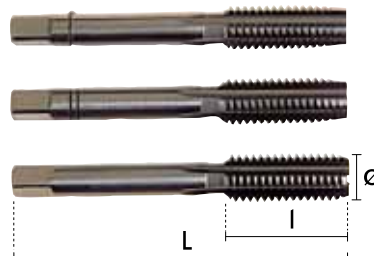
Aceros 400 - 800 N/mm²

Aciers / Steel

F

Aplicaciones / Applications

Macho 3°
Taraud 3°
Tap 3° } PVP = €/3



Ø x P mm	Nº	€	L mm	I mm	mm
M3,00 x 0,50	3	31,29	40	11	2,70
M4,00 x 0,70	3	28,81	45	13	3,40
M5,00 x 0,80	3	31,31	50	16	4,90
M6,00 x 1,00	3	31,31	50	19	4,90
M7,00 x 1,00	3	43,22	50	19	4,90
MF8,00 x 1,00	2	35,85	56	22	4,90
M8,00 x 1,25	3	37,70	56	22	4,90
M9,00 x 1,25	3	66,89	63	22	5,50
MF10,00 x 1,00	2	38,87	63	20	5,50
MF10,00 x 1,25	2	39,59	70	24	5,50
M10,00 x 1,50	3	47,61	70	24	5,50
MF12,00 x 1,25	2	68,17	70	22	7,00
MF12,00 x 1,50	2	57,98	70	22	7,00
M12,00 x 1,75	3	61,89	75	29	7,00

Ø x P mm	Nº	€	L mm	I mm	mm
MF14,00 x 1,25	2	83,31	70	22	9,00
MF14,00 x 1,50	2	64,72	70	22	9,00
M14,00 x 2,00	3	81,42	80	30	9,00
MF16,00 x 1,50	2	80,68	70	22	9,00
M16,00 x 2,00	3	114,64	80	32	9,00
M18,00 x 2,50	3	153,26	95	40	11,00
MF20,00 x 1,50	2	133,50	80	22	12,00
M20,00 x 2,50	3	172,22	95	40	12,00
MF22,00 x 1,50	2	145,95	80	22	14,50
M22,00 x 2,50	3	211,14	100	40	14,50
MF24,00 x 1,50	2	186,29	90	22	14,50
M24,00 x 3,00	3	265,97	110	50	14,50
M27,00 x 3,00	3	342,53	110	50	16,00
M30,00 x 3,50	3	434,87	125	56	18,00

2302 HSS DIN 352

M
DIN 13



Tol.
6H



Aceros 400 - 800 N/mm²

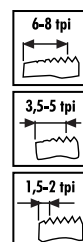
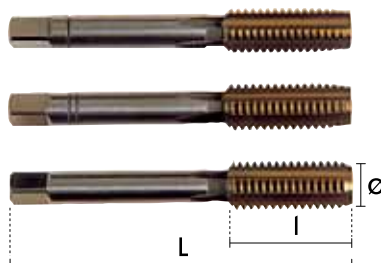
Aciers / Steel

F

1100
N/mm²

Aplicaciones / Applications

Macho 3°
Taraud 3°
Tap 3° } PVP = €/3



Ø x P mm	Nº	€	L mm	I mm	mm
M3,00 x 0,50	3	34,99	40	11	2,70
M4,00 x 0,70	3	35,88	45	13	3,40
M5,00 x 0,80	3	36,68	50	16	4,90
M6,00 x 1,00	3	36,74	50	19	4,90
M8,00 x 1,25	3	44,16	56	22	4,90

Ø x P mm	Nº	€	L mm	I mm	mm
M10,00 x 1,50	3	52,44	70	24	5,50
M12,00 x 1,75	3	80,61	75	29	7,00
M14,00 x 2,00	3	95,94	80	30	9,00
M16,00 x 2,00	3	119,80	80	32	9,00
M20,00 x 2,50	3	129,90	95	40	12,00

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

2314 **HSSE DIN 352**

M
DIN 13



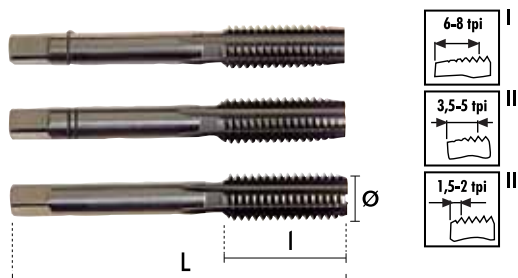
Tol.
6HX

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	22,93	40	11	2,70
M4,00 x 0,70	3	22,89	45	13	3,40
M5,00 x 0,80	3	23,96	50	16	4,90
M6,00 x 1,00	3	24,05	50	19	4,90
M8,00 x 1,25	3	27,62	56	22	4,90

Ø x P mm	Nº	€	L mm	I mm	∇ mm
M10,00 x 1,50	3	35,56	70	24	5,50
M12,00 x 1,75	3	50,54	75	29	7,00
M14,00 x 2,00	3	66,93	80	30	9,00
M16,00 x 2,00	3	73,82	80	32	9,00

2303 **HSSE DIN 352**

M
DIN 13



Tol.
6HX

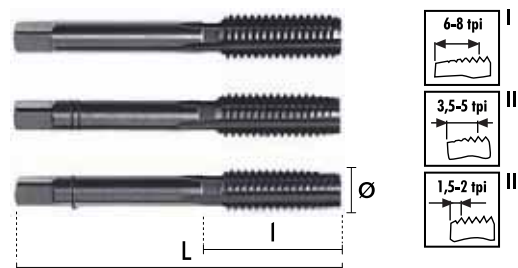
VAP

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	23,38	40	11	2,70
M4,00 x 0,70	3	23,38	45	13	3,40
M5,00 x 0,80	3	24,32	50	16	4,90
M6,00 x 1,00	3	24,32	50	19	4,90
M8,00 x 1,25	3	28,24	56	22	4,90
M10,00 x 1,50	3	36,34	70	24	5,50

Ø x P mm	Nº	€	L mm	I mm	∇ mm
M12,00 x 1,75	3	52,00	75	29	7,00
M14,00 x 2,00	3	57,61	80	30	9,00
M16,00 x 2,00	3	78,91	80	32	9,00
M18,00 x 2,50	3	107,82	95	40	11,00
M20,00 x 2,50	3	119,69	95	40	12,00

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

2304 HSS DIN 352

BSW
BS 84

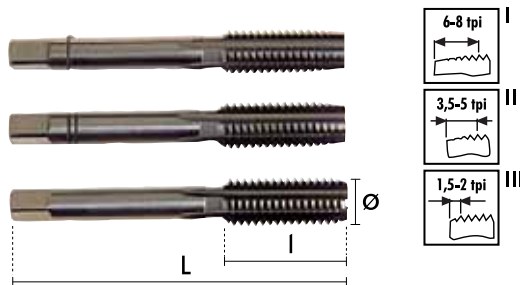


Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3°
Tap 3° } PVP = €/3



Ø x P	Nº	€	L mm	I mm	∇ mm
W3/32 - 48h	3	29,07	36	10	2,10
W1/8 - 40h	3	20,05	40	12	2,70
W5/32 - 32h	3	20,25	45	14	3,40
W3/16 - 24h	3	20,05	50	18	4,90
W7/32 - 24h	3	35,67	50	18	4,90
W1/4 - 20h	3	22,58	50	19	4,90
W5/16 - 18h	3	27,56	56	22	4,90
W3/8 - 16h	3	30,30	70	24	5,50
W7/16 - 14h	3	40,29	70	24	6,20
W1/2 - 12h	3	43,64	75	29	7,00
W9/16 - 12h	3	59,36	80	30	9,00
W5/8 - 11h	3	68,24	80	32	9,00
W3/4 - 10h	3	97,15	95	40	11,00
W7/8 - 9h	3	142,13	100	40	14,50

Ø x P	Nº	€	L mm	I mm	∇ mm
W1" - 8h	3	173,58	110	50	14,50
W1"1/8 - 7h	3	258,65	132	56	18,00
W1"1/4 - 7h	3	312,88	132	56	18,00
W1"3/8 - 6h	3	389,12	150	63	22,00
W1"1/2 - 6h	3	468,47	150	63	24,00
W1"5/8 - 5h	3	702,76	160	70	24,00
W1"3/4 - 5h	3	864,93	160	70	29,00
W1"7/8 - 4,5h	3	1.117,14	190	80	29,00
W2" - 4,5h	3	1.172,78	190	80	32,00
W2"1/4 - 4h	3	1.550,27	220	80	35,00
W2"1/2 - 4h	3	1.885,91	220	80	39,00
W2"3/4 - 3,5h	3	2.692,86	240	80	39,00
W3" - 3,5h	3	3.115,34	240	80	39,00

2304/5 HSS DIN 352 Izquierda / A gauche / Left hand

BSW
BS 84

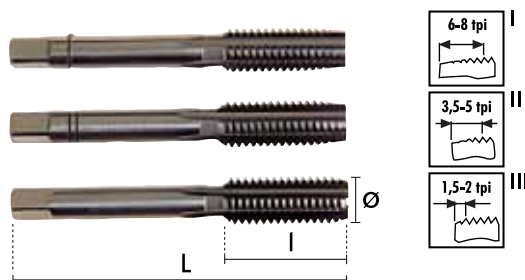


Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3°
Tap 3° } PVP = €/3



Ø x P	Nº	€	L mm	I mm	∇ mm
W1/8 - 40h	3	40,10	40	12	2,70
W5/32 - 32h	3	40,50	45	14	3,40
W3/16 - 24h	3	40,10	50	18	4,90
W1/4 - 20h	3	45,16	50	19	4,90
W5/16 - 18h	3	55,13	56	22	4,90
W3/8 - 16h	3	60,59	70	24	4,90
W7/16 - 14h	3	80,58	70	24	6,20

Ø x P	Nº	€	L mm	I mm	∇ mm
W1/2 - 12h	3	87,28	75	29	7,00
W9/16 - 12h	3	118,73	80	30	9,00
W5/8 - 11h	3	136,49	80	32	9,00
W3/4 - 10h	3	194,30	95	40	11,00
W7/8 - 9h	3	284,26	100	40	14,50
W1" - 8h	3	347,16	110	50	14,50

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

2305 HSS DIN 2181

BSF
BS 84

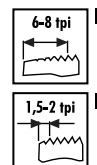
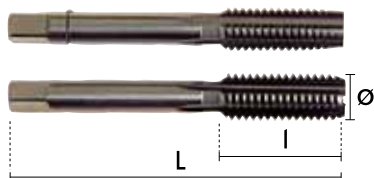


Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/2
Tap 3°



Ø x P	Nº	€	L mm	I mm	mm
BSF3/16 - 32h	2	76,82	50	14	4,90
BSF1/4 - 26h	2	31,66	50	18	4,90
BSF5/16 - 22h	2	36,93	56	22	4,90
BSF3/8 - 20h	2	42,73	63	22	5,50
BSF7/16 - 18h	2	51,28	63	22	6,20
BSF1/2 - 16h	2	57,97	75	24	7,00
BSF9/16 - 16h	2	69,53	80	28	9,00

Ø x P	Nº	€	L mm	I mm	mm
BSF5/8 - 14h	2	90,77	50	28	9,00
BSF3/4 - 12h	2	139,09	95	32	11,00
BSF7/8 - 11h	2	165,99	100	36	14,50
BSF1" - 10h	2	233,00	110	40	14,50
BSF1"1/8 - 9h	2	480,78	110	22	18,00
BSF1"1/4 - 9h	2	548,93	110	22	18,00
BSF1"1/2 - 8h	2	836,56	125	40	24,00

2306 HSS DIN 5157

G
ISO 228

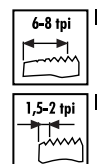
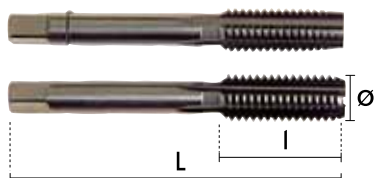


Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/2
Tap 3°



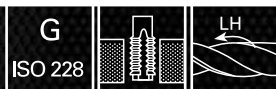
Ø x P	Nº	€	L mm	I mm	mm
G1/8 - 28h	2	25,64	63	20	5,50
G1/4 - 19h	2	36,10	70	22	9,00
G3/8 - 19h	2	45,47	70	22	9,00
G1/2 - 14h	2	63,59	80	22	12,00
G5/8 - 14h	2	84,00	80	22	14,50
G3/4 - 14h	2	99,30	90	22	16,00
G7/8 - 14h	2	136,59	90	22	18,00
G1" - 11h	2	158,08	100	25	20,00
G1"1/8 - 11h	2	234,83	125	40	22,00

Ø x P	Nº	€	L mm	I mm	mm
G1"1/4 - 11h	2	255,87	125	40	24,00
G1"3/8 - 11h	2	347,56	140	40	29,00
G1"1/2 - 11h	2	386,74	140	40	29,00
G1"3/4 - 11h	2	642,95	140	40	32,00
G2" - 11h	2	712,75	160	40	35,00
G2"1/4 - 11h	2	1.212,66	160	40	39,00
G2"1/2 - 11h	2	1.822,77	160	40	39,00
G2"3/4 - 11h	2	2.210,12	160	40	39,00
G3" - 11h	2	2.300,11	160	40	39,00

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

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



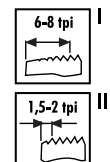
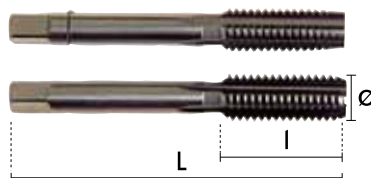
Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3°
Tap 3°

PVP = €/2



Ø x P	Nº	€	L mm	I mm	mm
G1/8 - 38h	2	51,29	63	20	5,50
G1/4 - 19h	2	72,21	70	22	9,00
G3/8 - 19h	2	90,93	70	22	9,00
G1/2 - 14h	2	127,18	80	22	12,00

Ø x P	Nº	€	L mm	I mm	mm
G5/8 - 14h	2	167,99	80	22	14,50
G3/4 - 14h	2	198,59	90	22	16,00
G1" - 11h	2	316,17	100	25	20,00

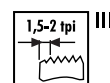
2316 HSS DIN 5157



Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P	Nº	€	L mm	I mm	mm
G1/8 - 28h	1	15,15	63	20	5,50
G1/4 - 19h	1	24,69	70	22	9,00
G3/8 - 19h	1	27,00	70	22	9,00
G1/2 - 14h	1	43,20	80	22	12,00

Ø x P	Nº	€	L mm	I mm	mm
G5/8 - 14h	1	57,75	80	22	14,50
G3/4 - 14h	1	67,54	90	22	16,00
G7/8 - 14h	1	97,64	90	22	18,00
G1" - 11h	1	111,92	100	25	20,00

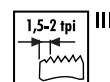
2317 HSS DIN 5157



Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P	Nº	€	L mm	I mm	mm
G1/8 - 28h	1	16,66	63	20	5,50
G1/4 - 19h	1	27,17	70	22	9,00
G3/8 - 19h	1	29,81	70	22	9,00
G1/2 - 14h	1	49,37	80	22	12,00

Ø x P	Nº	€	L mm	I mm	mm
G5/8 - 14h	1	63,51	80	22	14,50
G3/4 - 14h	1	74,28	90	22	16,00
G7/8 - 14h	1	107,40	90	22	18,00
G1" - 11h	1	123,11	100	25	20,00

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

2307 HSS DIN 352

UNC
ANSI/ASME
B1.1



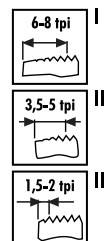
Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P	Nº	€	L mm	I mm	mm
Nº4 - 40h	3	39,58	40	12	2,70
Nº5 - 40h	3	37,84	40	12	2,70
Nº6 - 32h	3	37,84	45	14	3,00
Nº8 - 32h	3	37,84	45	14	3,40
Nº10 - 24h	3	37,84	50	16	4,90
Nº12 - 24h	3	37,84	50	18	4,90
1/4 - 20h	3	30,63	50	19	4,90
5/16 - 18h	3	34,98	56	22	4,90
3/8 - 16h	3	39,55	70	24	5,50
7/16 - 14h	3	51,49	70	24	6,20
1/2 - 13h	3	59,26	75	29	7,00

Ø x P	Nº	€	L mm	I mm	mm
9/16 - 12h	3	69,96	80	30	9,00
5/8 - 11h	3	96,50	80	32	9,00
3/4 - 10h	3	131,39	95	40	11,00
7/8 - 9h	3	161,83	100	40	14,50
1" - 8h	3	218,56	110	50	14,50
1 1/8 - 7h	3	333,64	132	56	18,00
1 1/4 - 7h	3	419,96	132	56	18,00
1 3/8 - 6h	3	532,75	150	63	22,00
1 1/2 - 6h	3	654,13	150	63	24,00
1 3/4 - 5h	3	814,91	160	70	29,00
2" - 4,5h	3	936,83	190	85	32,00

2307/5 HSS DIN 352 Izquierda / A gauche / Left hand

UNC
ANSI/ASME
B1.1



Tol.
2B

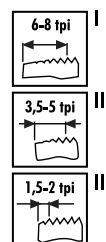


Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P	Nº	€	L mm	I mm	mm
1/4 - 20h	3	61,25	50	19	4,90
5/16 - 18h	3	69,96	56	22	4,90
3/8 - 16h	3	79,11	70	24	5,50
7/16 - 14h	3	102,99	70	24	6,20
1/2 - 13h	3	118,52	75	29	7,00

Ø x P	Nº	€	L mm	I mm	mm
9/16 - 12h	3	139,92	80	30	9,00
5/8 - 11h	3	193,00	80	32	9,00
3/4 - 10h	3	262,78	95	40	11,00
7/8 - 9h	3	323,65	100	40	14,50
1" - 8h	3	437,11	110	50	14,50

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

2308

HSS DIN 2181

UNF
ANSI/ASME
B1.1

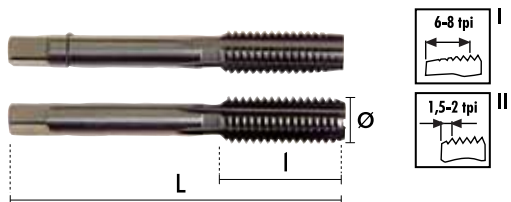
Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/2
Tap 3°



Ø x P	Nº	€	L mm	I mm	∠ mm
Nº4 - 48h	2	30,06	36	11	2,70
Nº5 - 44h	2	30,06	36	11	2,70
Nº6 - 40h	2	28,72	40	12	3,00
Nº8 - 36h	2	28,72	40	12	3,40
Nº10 - 32h	2	28,72	45	14	4,90
Nº12 - 28h	2	30,06	50	14	4,90
1/4 - 28h	2	20,70	50	18	4,90
5/16 - 24h	2	22,16	56	22	4,90
3/8 - 24h	2	25,62	63	22	5,50
7/16 - 20h	2	34,01	63	22	6,20

Ø x P	Nº	€	L mm	I mm	∠ mm
1/2 - 20h	2	34,78	75	24	7,00
9/16 - 18h	2	45,30	80	28	9,00
5/8 - 18h	2	58,51	80	28	9,00
3/4 - 16h	2	78,62	95	32	11,00
7/8 - 14h	2	101,03	100	36	14,50
1" - 12h	2	133,95	110	40	14,50
1"1/8 - 12h	2	208,58	110	50	18,00
1"1/4 - 12h	2	263,10	132	56	18,00
1"3/8 - 12h	2	334,13	132	56	22,00
1"1/2 - 12h	2	409,12	150	63	24,00

2308/5

HSS DIN 2181 Izquierda / A gauche / Left hand

UNF
ANSI/ASME
B1.1

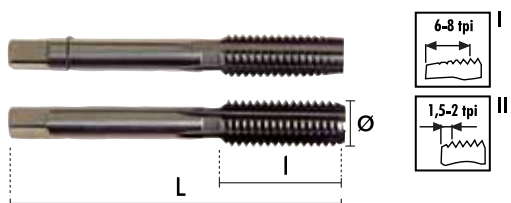
Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/2
Tap 3°



Ø x P	Nº	€	L mm	I mm	∠ mm
1/4 - 28h	2	41,40	50	18	4,90
5/16 - 24h	2	44,32	56	22	4,90
3/8 - 24h	2	51,24	63	22	5,50
7/16 - 20h	2	68,02	63	22	6,20
1/2 - 20h	2	69,55	75	24	7,00

Ø x P	Nº	€	L mm	I mm	∠ mm
9/16 - 18h	2	90,60	80	28	9,00
5/8 - 18h	2	117,01	80	28	9,00
3/4 - 16h	2	157,24	95	32	11,00
7/8 - 14h	2	202,07	100	36	14,50
1" - 12h	2	267,89	110	40	14,50

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

2315

HSS DIN 2181

UN
ANSI/ASME
B1.1



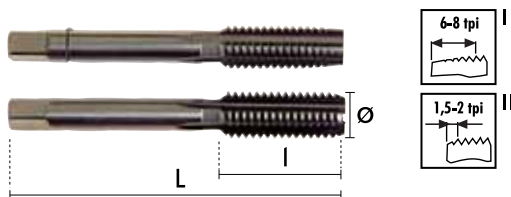
Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €1/2
Tap 3°



Ø x P	Nº	€	L mm	I mm	mm
UN1"1/8 - 8h	2	184,74	125	40	18,00
UN1"1/4 - 8h	2	238,33	125	40	18,00
UN1"3/8 - 8h	2	270,35	125	40	22,00
UN1"1/2 - 8h	2	354,96	125	40	24,00

Ø x P	Nº	€	L mm	I mm	mm
UN1"5/8 - 8h	2	415,22	125	40	24,00
UN1"3/4 - 8h	2	505,81	125	40	29,00
UN2" - 8h	2	541,96	140	40	32,00

2309

HSS DIN 5157

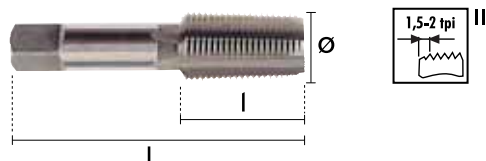
Rc
DIN 2999



Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications



Ø x P	Nº	€	L mm	I mm	mm
Rc1/8 - 28h	1	27,02	65	19	5,50
Rc1/4 - 19h	1	38,10	70	25	9,00
Rc3/8 - 19h	1	52,91	75	25	9,00
Rc1/2 - 14h	1	74,07	80	31	12,00

Ø x P	Nº	€	L mm	I mm	mm
Rc5/8 - 14h	1	135,54	80	36	14,00
Rc3/4 - 14h	1	125,70	100	33	17,00
Rc7/8 - 14h	1	225,91	85	36	17,00
Rc1" - 11h	1	191,36	110	38	21,50

2310

HSS DIN 2181

UNEF
ANSI/ASME
B1.1



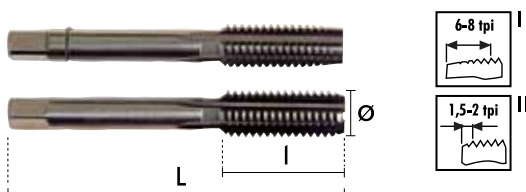
Tol.
2B

Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €1/2
Tap 3°



Ø x P	Nº	€	L mm	I mm	mm
1/4 - 32h	2	85,13	50	18	4,90
5/16 - 32h	2	95,12	56	22	4,90
3/8 - 32h	2	108,84	63	22	5,50
7/16 - 28h	2	138,53	63	22	6,20
1/2 - 28h	2	156,53	75	24	7,00

Ø x P	Nº	€	L mm	I mm	mm
9/16 - 24h	2	183,12	80	28	9,00
5/8 - 24h	2	254,88	80	28	9,00
3/4 - 20h	2	377,43	95	32	11,00
1" - 20h	2	540,05	110	40	14,50

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

2311 HSS DIN 352

BA
BS 93



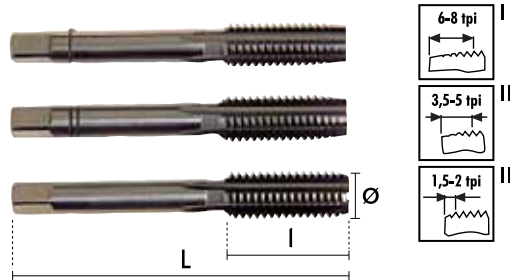
BS
93

Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

Macho 3°
Taraud 3° } PVP = €/3
Tap 3°



Ø x P	Nº	€	L mm	I mm	mm
BA0 (6,00 x 1,00)	3	132,98	50	19	4,90
BA1 (5,30 x 0,90)	3	132,98	50	19	4,90
BA2 (4,70 x 0,81)	3	132,98	50	16	4,90
BA3 (4,10 x 0,73)	3	142,91	45	13	3,40
BA4 (3,60 x 0,66)	3	142,91	45	13	3,00

Ø x P	Nº	€	L mm	I mm	mm
BA5 (3,20 x 0,59)	3	170,76	45	13	3,00
BA6 (2,80 x 0,53)	3	170,76	40	11	2,70
BA7 (2,50 x 0,48)	3	187,74	40	9	2,10
BA8 (2,20 x 0,43)	3	187,74	36	9	2,10

2312 HSS DIN 40432

PG
DIN 40430



Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications

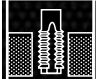


Ø x P	Nº	€	L mm	I mm	mm
Pg.7 (12,50 x 20h)	1	28,42	70	22	7,00
Pg.9 (15,20 x 18h)	1	36,13	70	22	9,00
Pg.11 (18,60 x 18h)	1	50,17	80	22	11,00
Pg.13,5 (20,40 x 18h)	1	55,03	80	22	12,00
Pg.16 (22,50 x 18h)	1	66,07	80	22	14,50

Ø x P	Nº	€	L mm	I mm	mm
Pg.21 (28,30 x 16h)	1	97,17	90	22	18,00
Pg.29 (37,00 x 16h)	1	192,91	100	25	22,00
Pg.36 (47,00 x 16h)	1	322,26	140	40	29,00
Pg.42 (54,00 x 16h)	1	382,70	140	40	32,00
Pg.48 (59,30 x 16h)	1	482,63	160	40	35,00

2313 HSS

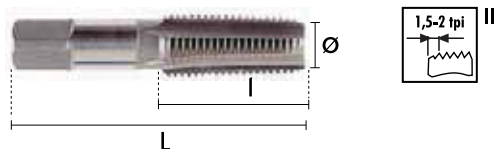
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ANSI/ASME
B1.20.1



Aceros 400 - 800 N/mm²

Aciers / Steel F

Aplicaciones / Applications



Ø x P	Nº	€	L mm	I mm	mm
1/16 - 27h	1	23,45	65	19	5,50
1/8 - 27h	1	23,45	65	19	5,50
1/4 - 18h	1	32,89	70	25	9,00
3/8 - 18h	1	45,37	75	25	9,00
1/2 - 14h	1	63,46	80	31	12,00

Ø x P	Nº	€	L mm	I mm	mm
3/4 - 14h	1	97,02	100	33	16,00
1" - 11,5h	1	108,03	110	38	20,00
1"1/4 - 11,5h	1	177,13	125	41	24,00
1"1/2 - 11,5h	1	269,15	140	42	29,00
2" - 11,5h	1	420,18	160	44	29,00

MACHOS DE MANO

TARAUDS À MAIN / HAND TAPS

2318

HSS

NPTF
ANSI/ASME
B1.20.1



Aceros 400 - 800 N/mm²

Aciers / Steel

F

Aplicaciones / Applications



Ø x P	Nº	€	L mm	I mm	mm
1/8 - 27h	1	59,69	65	19	5,50
1/4 - 18h	1	83,64	70	25	9,00
3/8 - 18h	1	115,45	75	26	9,00

Ø x P	Nº	€	L mm	I mm	mm
1/2 - 14h	1	161,44	80	31	12,00
3/4 - 14h	1	246,80	100	31	16,00

2319

HSS

NPS
ANSI/ASME
B1.20.1



Aceros 400 - 800 N/mm²

Aciers / Steel

F

Aplicaciones / Applications



Ø x P	Nº	€	L mm	I mm	mm
1/8 - 27h	1	72,96	55	19	6,00
1/4 - 18h	1	58,06	62	28	9,00
3/8 - 18h	1	80,30	65	28	11,00

Ø x P	Nº	€	L mm	I mm	mm
1/2 - 14h	1	104,95	80	35	14,00
3/4 - 14h	1	152,42	85	35	17,00
"1" - 11,5h	1	198,66	95	45	21,00

2320

HSS

NPSF
ANSI/ASME
B1.20.1



Aceros 400 - 800 N/mm²

Aciers / Steel

F

Aplicaciones / Applications



Ø x P	Nº	€	L mm	I mm	mm
1/8 - 27h	1	88,04	55	19	6,00
1/4 - 18h	1	127,24	62	28	9,00
3/8 - 18h	1	175,98	65	28	11,00

Ø x P	Nº	€	L mm	I mm	mm
1/2 - 14h	1	230,07	80	35	14,00
3/4 - 14h	1	350,03	95	35	17,00

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2102
HSSE DIN 371

M	MF	Form.	Tol.	R
DIN 13	DIN 13	C	6H	

Aceros 400 - 800 N/mm²
Aciers / Steel
F 1100 N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
M1,20 x 0,25	29,54	40	5	2,10	2,5
M1,40 x 0,30	29,54	40	7	2,10	2,5
M1,60 x 0,35	29,02	40	8	2,10	2,5
M1,70 x 0,35	26,51	40	8	2,10	2,5
M1,80 x 0,35	27,25	40	8	2,10	2,5
M2,00 x 0,40	12,67	45	8	2,10	2,8
M2,20 x 0,45	13,10	45	9	2,10	2,8
M2,30 x 0,40	13,10	45	9	2,10	2,8
M2,50 x 0,45	12,67	50	9	2,10	2,8
M2,60 x 0,45	12,67	50	9	2,10	2,8
M3,00 x 0,50	8,54	56	11	2,70	3,5
MF3,00 x 0,60	14,58	56	11	2,70	3,5
M3,50 x 0,60	11,50	56	12	3,00	4,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
MF3,50 x 0,75	16,64	56	11	3,00	4,0
MF4,00 x 0,50	18,18	63	13	3,40	4,5
M4,00 x 0,70	8,73	63	13	3,40	4,5
M4,50 x 0,75	15,87	70	14	4,90	6,0
MF5,00 x 0,50	18,69	70	14	4,90	6,0
MF5,00 x 0,75	19,08	70	16	4,90	6,0
M5,00 x 0,80	8,76	70	14	4,90	6,0
M6,00 x 1,00	9,95	80	16	4,90	6,0
M7,00 x 1,00	12,27	80	16	5,50	7,0
M8,00 x 1,25	11,19	90	18	6,20	8,0
M9,00 x 1,25	18,52	90	18	7,00	9,0
M10,00 x 1,50	12,78	100	22	8,00	10,0

2101
HSSE DIN 376/374

M	MF	Form.	Tol.	D
DIN 13	DIN 13	C	6H	

Aceros 400 - 800 N/mm²
Aciers / Steel
F 1100 N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
M3,00 x 0,50	8,54	56	11	2,00	2,2
M3,50 x 0,60	11,50	56	13	2,10	2,5
M4,00 x 0,70	8,73	63	13	2,10	2,8
M5,00 x 0,80	8,76	70	16	2,70	3,5
MF6,00 x 0,50	22,42	80	18	3,40	4,5
MF6,00 x 0,75	14,75	80	18	3,40	4,5
M6,00 x 1,00	9,95	80	18	3,40	4,5
MF7,00 x 0,50	25,51	80	19	4,30	5,5
MF7,00 x 0,75	19,69	80	19	4,90	5,5
M7,00 x 1,00	12,27	80	19	4,30	5,5
MF8,00 x 0,50	24,57	80	19	4,90	6,0
MF8,00 x 0,75	17,95	80	19	4,90	6,0
MF8,00 x 1,00	14,54	90	20	4,90	6,0
M8,00 x 1,25	11,19	90	20	4,90	6,0
MF9,00 x 0,75	26,63	90	22	5,50	7,0
MF9,00 x 1,00	22,18	90	20	5,50	7,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
M9,00 x 1,25	18,52	90	20	5,50	7,0
MF10,00 x 0,50	70,58	90	20	5,50	7,0
MF10,00 x 0,75	28,71	90	20	5,50	7,0
MF10,00 x 1,00	16,14	90	20	5,50	7,0
MF10,00 x 1,25	18,47	100	22	5,50	7,0
M10,00 x 1,50	12,78	100	22	5,50	7,0
MF11,00 x 1,00	28,36	90	22	6,20	8,0
MF11,00 x 1,25	28,36	90	22	6,20	8,0
M11,00 x 1,50	23,31	100	22	6,20	8,0
MF12,00 x 0,75	44,30	100	22	7,00	9,0
MF12,00 x 1,00	22,06	100	22	7,00	9,0
MF12,00 x 1,25	22,30	100	22	7,00	9,0
MF12,00 x 1,50	19,94	100	22	7,00	9,0
M12,00 x 1,75	16,47	110	27	7,00	9,0
MF13,00 x 0,75	75,82	100	22	9,00	11,0
MF13,00 x 1,00	40,96	100	22	9,00	11,0

(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	I mm	mm	d mm
MF13,00 x 1,25	40,96	100	22	9,00	11,0
MF13,00 x 1,50	40,96	100	22	9,00	11,0
M13,00 x 1,75	40,96	110	27	9,00	11,0
MF14,00 x 0,75	75,82	100	22	9,00	11,0
MF14,00 x 1,00	35,46	100	22	9,00	11,0
MF14,00 x 1,25	29,15	100	22	9,00	11,0
MF14,00 x 1,50	22,99	100	22	9,00	11,0
M14,00 x 2,00	22,80	110	30	9,00	11,0
MF15,00 x 1,00	45,67	100	22	9,00	12,0
MF15,00 x 1,25	49,88	100	22	9,00	12,0
MF15,00 x 1,50	40,54	100	22	9,00	12,0
M15,00 x 2,00	49,61	110	30	9,00	12,0
MF16,00 x 1,00	43,03	100	22	9,00	12,0
MF16,00 x 1,25	46,94	100	22	9,00	12,0
MF16,00 x 1,50	26,25	100	22	9,00	12,0
M16,00 x 2,00	26,81	110	30	9,00	12,0
MF17,00 x 1,00	85,59	100	22	9,00	12,0
MF17,00 x 1,25	85,59	100	22	9,00	12,0
MF17,00 x 1,50	85,59	100	22	9,00	12,0
MF18,00 x 1,00	48,18	110	25	11,00	14,0
MF18,00 x 1,25	60,90	110	25	11,00	14,0
MF18,00 x 1,50	37,63	110	25	11,00	14,0
MF18,00 x 2,00	54,12	125	34	11,00	14,0
M18,00 x 2,50	38,65	125	34	11,00	14,0
MF19,00 x 1,00	112,46	110	25	11,00	14,0
MF19,00 x 1,25	112,39	110	25	11,00	14,0
MF19,00 x 1,50	112,45	110	25	11,00	14,0
MF20,00 x 1,00	63,61	125	25	12,00	16,0
MF20,00 x 1,25	112,46	125	25	12,00	16,0
MF20,00 x 1,50	42,61	125	25	12,00	16,0
MF20,00 x 2,00	55,84	140	34	12,00	16,0
M20,00 x 2,50	41,07	140	34	12,00	16,0
MF21,00 x 1,00	163,26	125	25	12,00	16,0
MF21,00 x 1,25	163,26	125	25	12,00	16,0
MF21,00 x 1,50	119,85	125	25	12,00	16,0
MF22,00 x 1,00	71,32	125	25	14,50	18,0
MF22,00 x 1,25	112,46	125	25	14,50	18,0
MF22,00 x 1,50	51,29	125	25	14,50	18,0
MF22,00 x 2,00	71,32	140	34	14,50	18,0
M22,00 x 2,50	52,07	140	34	14,50	18,0
MF23,00 x 1,00	163,18	125	25	14,50	18,0
MF23,00 x 1,50	163,18	125	25	14,50	18,0
MF24,00 x 1,00	77,75	140	28	14,50	18,0
MF24,00 x 1,25	163,26	140	28	14,50	18,0
MF24,00 x 1,50	63,07	140	28	14,50	18,0
MF24,00 x 2,00	79,73	140	28	14,50	18,0
M24,00 x 3,00	62,36	160	38	14,50	18,0
MF25,00 x 1,00	211,18	140	28	14,50	18,0
MF25,00 x 1,50	98,15	140	28	14,50	18,0
MF25,00 x 2,00	211,18	140	28	14,50	18,0
MF26,00 x 1,00	211,18	140	28	14,50	18,0
MF26,00 x 1,50	85,06	140	28	14,50	18,0
MF26,00 x 2,00	211,18	140	28	14,50	18,0
MF27,00 x 1,00	106,83	140	28	16,00	20,0

Ø x P mm	€	L mm	I mm	mm	d mm
MF27,00 x 1,50	92,89	140	28	16,00	20,0
MF27,00 x 2,00	111,16	140	28	16,00	20,0
M27,00 x 3,00	77,82	160	38	16,00	20,0
MF28,00 x 1,00	211,18	140	28	16,00	20,0
MF28,00 x 1,50	92,89	140	28	16,00	20,0
MF28,00 x 2,00	211,18	140	28	16,00	20,0
MF30,00 x 1,00	118,82	150	28	18,00	22,0
MF30,00 x 1,50	96,83	150	28	18,00	22,0
MF30,00 x 2,00	119,85	150	28	18,00	22,0
MF30,00 x 3,00	131,78	180	50	18,00	22,0
M30,00 x 3,50	99,73	180	45	18,00	22,0
MF32,00 x 1,00	259,22	150	28	18,00	22,0
MF32,00 x 1,50	122,49	150	28	18,00	22,0
MF32,00 x 2,00	259,33	150	28	18,00	22,0
MF33,00 x 1,00	259,33	160	30	20,00	25,0
MF33,00 x 1,50	134,22	160	30	20,00	25,0
MF33,00 x 2,00	226,19	160	30	20,00	25,0
MF33,00 x 3,00	248,70	180	50	20,00	25,0
M33,00 x 3,50	119,85	180	50	20,00	25,0
MF34,00 x 1,50	157,73	170	30	22,00	28,0
MF34,00 x 2,00	284,65	170	30	22,00	28,0
MF35,00 x 1,50	157,30	170	30	22,00	28,0
MF36,00 x 1,50	153,42	170	30	22,00	28,0
MF36,00 x 2,00	207,22	170	30	22,00	28,0
MF36,00 x 3,00	237,71	200	56	22,00	28,0
M36,00 x 4,00	153,18	200	56	22,00	28,0
MF38,00 x 1,50	163,55	170	30	22,00	28,0
MF38,00 x 2,00	335,25	170	30	22,00	28,0
MF39,00 x 1,50	247,87	170	30	24,00	32,0
MF39,00 x 2,00	247,87	170	30	24,00	32,0
MF39,00 x 3,00	335,62	200	60	24,00	32,0
M39,00 x 4,00	195,57	200	60	24,00	32,0
MF40,00 x 1,50	213,95	170	30	24,00	32,0
MF40,00 x 2,00	248,52	170	30	24,00	32,0
MF40,00 x 3,00	248,52	200	60	24,00	32,0
MF42,00 x 1,50	217,16	170	30	24,00	32,0
MF42,00 x 2,00	284,29	170	30	24,00	32,0
MF42,00 x 3,00	284,29	200	60	24,00	32,0
M42,00 x 4,50	251,41	200	60	24,00	32,0
MF45,00 x 1,50	268,86	180	32	29,00	36,0
MF45,00 x 2,00	341,34	180	32	29,00	36,0
MF45,00 x 3,00	341,34	200	50	29,00	36,0
M45,00 x 4,50	274,72	220	65	29,00	36,0
MF48,00 x 1,50	274,72	190	32	29,00	36,0
MF48,00 x 2,00	413,69	190	32	29,00	36,0
MF48,00 x 3,00	413,67	225	50	29,00	36,0
M48,00 x 5,00	337,79	250	70	29,00	36,0
MF50,00 x 1,50	321,26	190	32	29,00	36,0
MF52,00 x 1,50	325,22	190	32	32,00	40,0
MF52,00 x 2,00	496,88	190	32	32,00	40,0
MF52,00 x 3,00	510,18	225	50	32,00	40,0
M52,00 x 5,00	345,95	250	70	32,00	40,0
MF63,00 x 1,50	745,36	275	40	39,00	50,0



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

1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
M2,00 x 0,40	13,44	45	8	2,10	2,8
M2,20 x 0,45	14,56	45	9	2,10	2,8
M2,30 x 0,40	13,86	45	9	2,10	2,8
M2,50 x 0,45	13,44	50	9	2,10	2,8
M2,60 x 0,45	13,44	50	9	2,10	2,8
M3,00 x 0,50	9,40	56	11	2,70	3,5
M3,50 x 0,60	12,21	56	12	3,00	4,0
M4,00 x 0,70	9,60	63	13	3,40	4,5

Ø x P mm	€	L mm	I mm	∠ mm	d mm
M4,50 x 0,75	16,81	70	14	4,90	6,0
M5,00 x 0,80	9,64	70	14	4,90	6,0
M6,00 x 1,00	10,93	80	16	4,90	6,0
M7,00 x 1,00	12,75	80	16	5,50	7,0
M8,00 x 1,25	12,30	90	18	6,20	8,0
M9,00 x 1,25	19,64	90	18	7,00	9,0
M10,00 x 1,50	14,04	100	22	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

1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	∠ mm	d mm
M3,00 x 0,50	9,40	56	11	2,00	2,2
M3,50 x 0,60	12,21	56	13	2,10	2,5
M4,00 x 0,70	9,60	63	13	2,10	2,8
M5,00 x 0,80	9,64	70	16	2,70	3,5
M6,00 x 1,00	10,93	80	18	3,40	4,5
M7,00 x 1,00	12,75	80	18	4,30	5,5
M8,00 x 1,25	12,30	90	20	4,90	6,0
M9,00 x 1,25	19,64	90	20	5,50	7,0
M10,00 x 1,50	14,04	100	22	5,50	7,0
M11,00 x 1,50	24,73	100	22	6,20	8,0
M12,00 x 1,75	18,12	110	27	7,00	9,0
M13,00 x 1,75	43,41	110	27	9,00	11,0
M14,00 x 2,00	23,70	110	30	9,00	11,0
M15,00 x 2,00	52,56	110	30	9,00	12,0

Ø x P mm	€	L mm	I mm	∠ mm	d mm
M16,00 x 2,00	27,85	110	30	9,00	12,0
M18,00 x 2,50	42,93	125	35	11,00	14,0
M20,00 x 2,50	45,60	140	35	12,00	16,0
M22,00 x 2,50	55,16	140	35	14,50	18,0
M24,00 x 3,00	66,08	160	38	14,50	18,0
M27,00 x 3,00	82,46	160	38	16,00	20,0
M30,00 x 3,50	105,67	180	45	18,00	22,0
M33,00 x 3,50	126,98	180	50	20,00	25,0
M36,00 x 4,00	162,31	200	56	22,00	28,0
M39,00 x 4,00	207,21	200	60	24,00	32,0
M42,00 x 4,50	266,38	200	60	24,00	32,0
M45,00 x 4,50	291,07	220	65	29,00	36,0
M48,00 x 5,00	357,90	250	70	29,00	36,0
M52,00 x 5,00	366,53	250	70	32,00	40,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2104

HSSE DIN 371

M
DIN 13

MF
DIN 13

Form.
B
"Gun"



Tol.
6H

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M2,00 x 0,40	13,85	45	8	2,10	2,8
M2,50 x 0,45	13,79	50	9	2,10	2,8
M2,60 x 0,45	13,79	50	9	2,10	2,8
M3,00 x 0,50	9,63	56	11	2,70	3,5
MF3,00 x 0,60	16,29	56	11	2,70	3,5
M3,50 x 0,60	12,57	56	13	3,40	4,0
MF4,00 x 0,50	20,00	63	12	3,00	4,5
M4,00 x 0,70	9,85	63	13	3,40	4,5
MF4,00 x 0,75	14,33	63	13	3,40	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M4,50 x 0,75	17,60	70	14	4,90	6,0
MF5,00 x 0,50	20,55	70	14	4,90	6,0
M5,00 x 0,80	9,86	70	14	4,90	6,0
M6,00 x 1,00	10,82	80	16	4,90	6,0
M7,00 x 1,00	14,43	80	16	5,50	7,0
M8,00 x 1,25	11,93	90	18	6,20	8,0
M9,00 x 1,25	18,89	90	18	7,00	10,0
M10,00 x 1,00	17,49	100	22	8,00	7,0
M10,00 x 1,50	14,93	100	22	8,00	7,0

2103

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
B
"Gun"



Tol.
6H

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M3,00 x 0,50	9,63	56	11	2,00	2,2
M3,50 x 0,60	12,58	56	13	2,10	2,5
M4,00 x 0,70	9,85	63	13	2,10	2,8
M4,50 x 0,75	17,60	70	16	2,70	3,5
M5,00 x 0,80	9,86	70	16	2,70	3,5
MF6,00 x 0,75	16,70	80	18	3,40	4,5
M6,00 x 1,00	10,82	80	18	3,40	4,5
MF7,00 x 0,75	21,81	80	18	4,90	5,5
M7,00 x 1,00	14,43	80	18	4,30	5,5
MF8,00 x 0,75	20,64	90	20	4,90	6,0
MF8,00 x 1,00	15,99	90	20	4,90	6,0
M8,00 x 1,25	11,93	90	20	4,90	6,0
MF9,00 x 1,00	24,39	90	20	5,50	7,0
M9,00 x 1,25	18,89	90	20	5,50	7,0
MF10,00 x 0,75	29,31	90	20	5,50	7,0
MF10,00 x 1,00	17,81	90	20	5,50	7,0
MF10,00 x 1,25	21,22	100	22	5,50	7,0
M10,00 x 1,50	14,93	100	22	5,50	7,0
MF11,00 x 1,00	31,22	90	20	6,20	8,0
MF11,00 x 1,25	31,22	100	22	6,20	8,0
M11,00 x 1,50	25,64	100	22	6,20	8,0
MF12,00 x 1,00	24,28	100	22	7,00	9,0

Ø x P mm	€	L mm	l mm	mm	d mm
MF12,00 x 1,25	24,53	100	22	7,00	9,0
MF12,00 x 1,50	21,91	100	22	7,00	9,0
M12,00 x 1,75	19,06	110	27	7,00	9,0
MF13,00 x 1,00	45,05	100	22	9,00	11,0
MF13,00 x 1,25	45,03	100	22	9,00	11,0
MF13,00 x 1,50	45,03	100	22	9,00	11,0
M13,00 x 1,75	45,05	110	27	9,00	11,0
MF14,00 x 1,00	39,00	100	22	9,00	11,0
MF14,00 x 1,25	31,82	100	22	9,00	11,0
MF14,00 x 1,50	25,31	100	22	9,00	11,0
M14,00 x 2,00	25,09	110	30	9,00	11,0
MF15,00 x 1,00	50,11	100	22	9,00	12,0
MF15,00 x 1,25	54,88	100	22	9,00	12,0
MF15,00 x 1,50	44,58	100	22	9,00	12,0
M15,00 x 2,00	54,57	110	30	9,00	12,0
MF16,00 x 1,00	47,32	100	22	9,00	12,0
MF16,00 x 1,25	52,46	100	22	9,00	12,0
MF16,00 x 1,50	31,54	100	22	9,00	12,0
M16,00 x 2,00	30,82	110	30	9,00	12,0
MF18,00 x 1,00	52,97	110	25	11,00	14,0
MF18,00 x 1,50	41,40	110	25	11,00	14,0
MF18,00 x 2,00	59,55	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	I mm	 mm	d mm
M18,00 x 2,50	41,89	125	34	11,00	14,0
MF20,00 x 1,00	69,99	125	25	12,00	16,0
MF20,00 x 1,50	46,85	125	25	12,00	16,0
MF20,00 x 2,00	61,41	140	34	12,00	16,0
M20,00 x 2,50	45,18	140	34	12,00	16,0
MF22,00 x 1,00	78,45	125	25	14,50	18,0
MF22,00 x 1,50	56,41	125	25	14,50	18,0
MF22,00 x 2,00	78,45	140	34	14,50	18,0
M22,00 x 2,50	57,27	140	34	14,50	18,0
MF24,00 x 1,00	97,73	140	28	14,50	18,0
MF24,00 x 1,50	69,34	140	28	14,50	18,0
MF24,00 x 2,00	87,70	140	28	14,50	18,0
M24,00 x 3,00	68,21	160	38	14,50	18,0
MF25,00 x 1,50	107,74	140	28	14,50	18,0
MF25,00 x 2,00	232,30	140	28	14,50	18,0
MF26,00 x 1,50	89,19	140	28	14,50	18,0
MF26,00 x 2,00	232,30	140	28	14,50	18,0
MF27,00 x 1,50	101,94	140	28	16,00	20,0
MF27,00 x 2,00	121,56	140	28	16,00	20,0
M27,00 x 3,00	85,32	160	38	16,00	20,0
MF28,00 x 1,50	101,94	140	28	16,00	20,0
MF28,00 x 2,00	232,30	140	28	16,00	20,0
MF30,00 x 1,00	145,02	150	28	18,00	22,0
MF30,00 x 1,50	106,53	150	28	18,00	22,0
MF30,00 x 2,00	131,83	150	28	18,00	22,0

Ø x P mm	€	L mm	I mm	 mm	d mm
M30,00 x 3,50	109,63	180	45	18,00	22,0
MF32,00 x 1,50	134,67	150	28	18,00	22,0
MF32,00 x 2,00	285,28	150	28	18,00	22,0
MF33,00 x 1,50	145,72	160	30	20,00	25,0
MF33,00 x 2,00	248,78	160	30	20,00	25,0
M33,00 x 3,50	137,91	180	50	20,00	25,0
MF34,00 x 1,50	168,76	170	30	22,00	28,0
MF35,00 x 1,50	178,31	170	30	22,00	28,0
MF36,00 x 1,50	168,76	170	30	22,00	28,0
MF36,00 x 2,00	227,93	170	30	22,00	28,0
MF36,00 x 3,00	261,49	200	56	22,00	28,0
M36,00 x 4,00	168,49	200	56	22,00	28,0
MF38,00 x 1,50	184,26	170	30	22,00	28,0
MF38,00 x 2,00	368,79	170	30	22,00	28,0
M39,00 x 4,00	215,14	200	60	24,00	32,0
MF40,00 x 1,50	235,37	170	30	24,00	32,0
MF40,00 x 3,00	290,70	200	60	24,00	32,0
MF42,00 x 1,50	239,27	170	30	24,00	32,0
M42,00 x 4,50	276,59	200	60	24,00	32,0
MF45,00 x 1,50	292,98	180	32	29,00	36,0
M45,00 x 4,50	302,15	220	65	29,00	36,0
M48,00 x 5,00	371,54	250	70	29,00	36,0
MF50,00 x 1,50	357,09	190	32	29,00	36,0
M52,00 x 5,00	380,35	250	70	32,00	40,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2106

HSSE DIN 371

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H



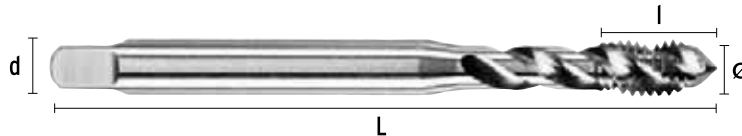
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Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M2,00 x 0,40	27,24	45	5	2,10	2,8
M2,50 x 0,45	27,24	50	5	2,10	2,8
M2,60 x 0,45	27,24	50	5	2,10	2,8
M3,00 x 0,50	11,35	56	5	2,70	3,5
M3,50 x 0,60	14,94	56	6	3,00	4,0
M4,00 x 0,70	11,35	63	7	3,40	4,5

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M4,50 x 0,75	20,62	70	7	4,90	6,0
M5,00 x 0,80	10,96	70	8	4,90	6,0
M6,00 x 1,00	12,01	80	10	4,90	6,0
M7,00 x 1,00	15,70	80	10	5,50	7,0
M8,00 x 1,25	14,33	90	13	6,20	8,0
M10,00 x 1,50	16,98	100	15	8,00	10,0

2105

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H



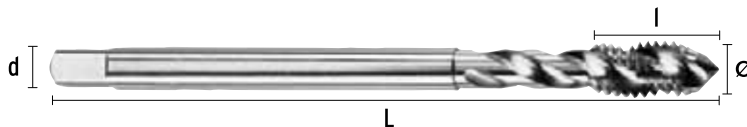
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Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3,00 x 0,50	11,35	56	5	2,00	2,2
M4,00 x 0,70	11,35	63	7	2,10	2,8
M5,00 x 0,80	10,96	70	8	2,70	3,5
M6,00 x 1,00	12,01	80	10	3,40	4,5
M7,00 x 1,00	15,70	80	10	4,30	5,5
MF8,00 x 1,00	18,92	90	13	4,90	6,0
M8,00 x 1,25	14,33	90	13	4,90	6,0
MF9,00 x 1,00	24,38	90	13	5,50	7,0
M9,00 x 1,25	23,23	90	13	5,50	7,0
MF10,00 x 1,00	22,34	90	16	5,50	7,0
MF10,00 x 1,25	24,29	100	16	5,50	7,0
M10,00 x 1,50	16,98	100	16	5,50	7,0
MF11,00 x 1,00	71,12	90	15	6,20	8,0
MF11,00 x 1,25	63,44	100	15	6,20	8,0
M11,00 x 1,50	51,82	100	15	6,20	8,0
MF12,00 x 1,00	28,72	100	18	7,00	9,0
MF12,00 x 1,25	27,48	100	18	7,00	9,0
MF12,00 x 1,50	26,46	100	18	7,00	9,0
M12,00 x 1,75	22,68	110	18	7,00	9,0
MF14,00 x 1,00	46,38	100	20	9,00	11,0
MF14,00 x 1,25	39,61	100	20	9,00	11,0
MF14,00 x 1,50	29,83	100	20	9,00	11,0
M14,00 x 2,00	29,10	110	20	9,00	11,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
MF15,00 x 1,50	44,57	100	20	9,00	12,0
MF16,00 x 1,00	97,14	100	20	9,00	12,0
MF16,00 x 1,25	80,63	100	20	9,00	12,0
MF16,00 x 1,50	38,93	100	20	9,00	12,0
M16,00 x 2,00	35,15	110	20	9,00	12,0
MF18,00 x 1,50	49,28	110	22	11,00	14,0
MF18,00 x 2,00	92,86	125	25	11,00	14,0
M18,00 x 2,50	47,27	125	25	11,00	14,0
MF20,00 x 1,50	56,30	125	22	12,00	16,0
M20,00 x 2,50	50,35	140	25	12,00	16,0
MF22,00 x 1,50	60,77	125	22	14,50	18,0
M22,00 x 2,50	65,05	140	25	14,50	18,0
MF24,00 x 1,50	82,57	140	25	14,50	18,0
M24,00 x 3,00	79,42	160	30	14,50	18,0
MF26,00 x 1,50	89,16	140	25	14,50	18,0
MF27,00 x 1,50	101,90	140	25	16,00	20,0
M27,00 x 3,00	97,27	160	30	16,00	20,0
MF28,00 x 1,50	101,90	140	25	16,00	20,0
MF30,00 x 1,50	126,96	150	25	18,00	22,0
MF30,00 x 2,00	268,25	150	25	18,00	22,0
M30,00 x 3,50	124,64	180	35	18,00	22,0
M33,00 x 3,50	149,75	180	35	20,00	25,0
M36,00 x 4,00	202,08	200	40	22,00	28,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2108 HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M2,00 x 0,40	15,31	45	8	2,10	2,8
M3,00 x 0,50	12,85	56	11	2,70	3,5
M4,00 x 0,70	12,32	63	13	3,40	4,5
M5,00 x 0,80	11,89	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6,00 x 1,00	13,03	80	16	4,90	6,0
M7,00 x 1,00	15,80	80	16	5,50	7,0
M8,00 x 1,25	15,56	90	18	6,20	8,0
M10,00 x 1,50	18,44	100	22	8,00	10,0

2107 HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
C



Tol.
6H



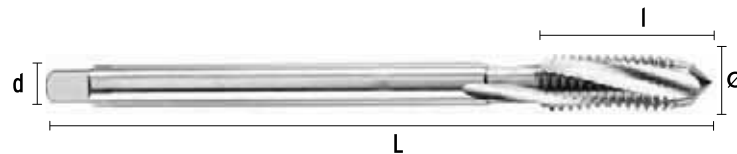
D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M4,00 x 0,70	12,22	63	13	2,10	2,8
M5,00 x 0,80	11,80	70	16	2,70	3,5
M6,00 x 1,00	13,03	80	18	3,40	4,5
M7,00 x 1,00	15,80	80	18	4,30	5,5
M8,00 x 1,25	15,56	90	20	4,90	6,0
M10,00 x 1,50	18,44	100	22	5,50	7,0
M12,00 x 1,75	24,63	110	27	7,00	9,0
M14,00 x 2,00	29,28	110	30	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16,00 x 2,00	35,37	110	30	9,00	12,0
M18,00 x 2,50	47,59	125	34	11,00	14,0
M20,00 x 2,50	50,70	140	34	12,00	16,0
M22,00 x 2,50	62,52	140	34	14,50	18,0
M24,00 x 3,00	75,97	160	38	14,50	18,0
M27,00 x 3,00	93,50	160	38	16,00	20,0
M30,00 x 3,50	119,80	180	45	18,00	22,0
M36,00 x 4,00	193,19	200	56	22,00	28,0

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 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
W3/32 - 48h	16,34	50	9	2,10	2,8
W1/8 - 40h	13,65	56	11	2,70	3,5
W5/32 - 32h	13,65	63	13	3,40	4,5
W3/16 - 24h	13,65	70	14	4,90	6,0

Ø x P	€	L mm	I mm	mm	d mm
W7/32 - 24h	20,75	80	16	4,90	6,0
W1/4 - 20h	14,88	80	16	5,50	7,0
W5/16 - 18h	18,26	90	18	6,20	8,0
W3/8 - 16h	20,17	100	22	8,00	10,0

2135

HSSE DIN 376

BSW
BS 84

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
W1/8 - 40h	13,65	56	11	2,00	2,2
W5/32 - 32h	13,65	63	13	2,10	2,8
W3/16 - 24h	13,65	70	16	2,70	3,5
W7/32 - 24h	20,75	80	18	3,40	4,5
W1/4 - 20h	14,88	80	18	3,40	4,5
W5/16 - 18h	18,26	90	20	4,90	6,0
W3/8 - 16h	20,17	100	22	5,50	7,0
W7/16 - 14h	26,62	100	22	6,20	8,0
W1/2 - 12h	25,52	110	27	7,00	9,0
W9/16 - 12h	36,61	110	30	9,00	11,0
W5/8 - 11h	34,63	110	30	9,00	12,0
W3/4 - 10h	46,34	125	35	11,00	14,0

Ø x P	€	L mm	I mm	mm	d mm
W7/8 - 9h	62,76	140	36	14,50	18,0
W1" - 8h	78,93	160	38	14,50	18,0
W1"1/8 - 7h	104,70	180	45	18,00	22,0
W1"1/4 - 7h	151,97	180	45	18,00	22,0
W1"3/8 - 6h	249,85	200	55	22,00	28,0
W1"1/2 - 6h	271,22	200	55	24,00	32,0
W1"5/8 - 5h	395,74	220	60	24,00	32,0
W1"3/4 - 5h	426,94	220	62	29,00	36,0
W1"7/8 - 4,5h	473,31	250	70	29,00	36,0
W2" - 4,5h	611,02	250	70	32,00	40,0
W2"1/4 - 4h	665,93	280	78	35,00	45,0
W2"1/2 - 4h	769,24	315	90	39,00	50,0

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

1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
W1/8 - 40h	15,09	56	11	2,70	3,5
W5/32 - 32h	15,09	63	13	3,40	4,5
W3/16 - 24h	15,09	70	14	4,90	6,0

Ø x P	€	L mm	I mm	mm	d mm
W1/4 - 20h	17,13	80	16	5,50	7,0
W5/16 - 18h	23,14	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

1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
W 1/4 - 20h	17,13	80	18	3,40	4,5
W 5/16 - 18h	20,06	90	20	4,90	6,0
W 3/8 - 16h	22,17	100	22	5,50	7,0
W 7/16 - 14h	27,99	100	22	6,20	8,0
W 1/2 - 12h	29,30	110	27	7,00	9,0

Ø x P	€	L mm	I mm	mm	d mm
W 9/16 - 12h	40,26	110	30	9,00	11,0
W 5/8 - 11h	38,04	110	30	9,00	12,0
W 3/4 - 10h	51,02	125	35	11,00	14,0
W 7/8 - 9h	69,01	140	36	14,50	18,0
W 1" - 8h	86,76	160	38	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2140

HSSE DIN 371

BSW
BS 84

Form.
C



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
W1/8 - 40h	17,13	56	5	2,70	3,5
W5/32 - 32h	17,13	63	7	3,40	4,5
W3/16 - 24h	17,13	70	8	4,90	6,0

Ø x P	€	L mm	I mm	mm	d mm
W1/4 - 20h	23,21	80	13	5,50	7,0
W5/16 - 18h	28,47	90	13	6,20	8,0

2139

HSSE DIN 376

BSW
BS 84

Form.
C



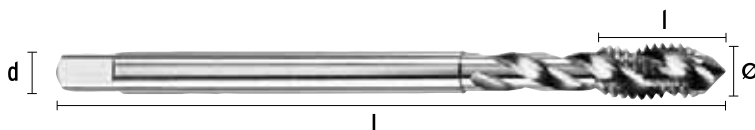
D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
W 3/16 - 24h	17,13	70	8	2,70	3,5
W 1/4 - 20h	23,21	80	13	3,40	4,5
W 5/16 - 18h	27,21	90	13	4,90	6,0
W 3/8 - 16h	30,05	100	16	5,50	7,0
W 7/16 - 14h	34,13	100	15	6,20	8,0
W 1/2 - 12h	32,71	110	22	7,00	9,0

Ø x P	€	L mm	I mm	mm	d mm
W 9/16 - 12h	46,89	110	22	9,00	11,0
W 5/8 - 11h	44,36	110	22	9,00	12,0
W 3/4 - 10h	59,40	125	25	11,00	14,0
W 7/8 - 9h	80,40	140	28	14,50	18,0
W 1" - 8h	100,92	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 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	l mm	mm	d mm
BSF 3/16 - 32h	58,59	70	14	4,90	6,0
BSF 1/4 - 26h	24,94	80	18	3,40	7,0

Ø x P	€	L mm	l mm	mm	d mm
BSF 5/16 - 22h	29,63	90	20	4,90	8,0
BSF 3/8 - 20h	31,13	100	22	5,50	10,0

2142 HSSE DIN 374

BSF
BS 84

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	l mm	mm	d mm
BSF 7/16 - 18h	42,01	90	22	6,20	8,0
BSF 1/2 - 16h	47,52	100	22	7,00	9,0
BSF 9/16 - 16h	50,30	100	22	9,00	11,0
BSF 5/8 - 14h	67,05	100	22	9,00	12,0

Ø x P	€	L mm	l mm	mm	d mm
BSF 3/4 - 12h	79,35	110	25	11,00	14,0
BSF 7/8 - 11h	110,33	125	25	14,50	18,0
BSF 1" - 10h	131,73	140	28	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2144 HSSE DIN 5156

G
ISO 228

Form.
C



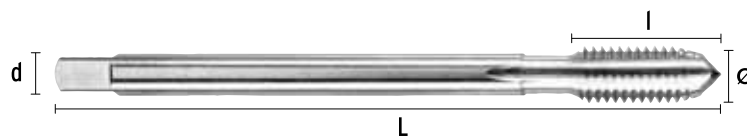
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Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
G 1/8 - 28h	23,07	90	20	5,50	7,0
G 1/4 - 19h	32,88	100	22	9,00	11,0
G 3/8 - 19h	39,34	100	22	9,00	12,0
G 1/2 - 14h	49,72	125	25	12,00	16,0
G 5/8 - 14h	61,98	125	25	14,50	18,0
G 3/4 - 14h	77,85	140	28	16,00	20,0
G 7/8 - 14h	104,66	150	28	18,00	22,0

Ø x P	€	L mm	I mm	mm	d mm
G 1" - 11h	120,80	160	30	20,00	25,0
G 1 1/8 - 11h	183,59	170	30	22,00	28,0
G 1 1/4 - 11h	215,40	170	30	24,00	32,0
G 1 3/8 - 11h	269,42	180	32	29,00	36,0
G 1 1/2 - 11h	341,89	190	32	29,00	36,0
G 1 3/4 - 11h	406,35	190	32	32,00	40,0
G 2" - 11h	517,81	220	40	35,00	45,0

2145 HSSE DIN 5156

G
ISO 228

Form.
B
"Gun"



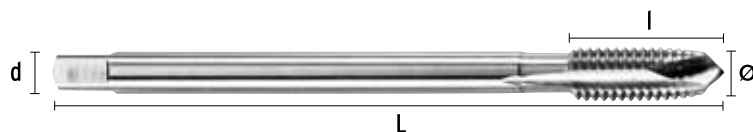
D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
G 1/8 - 28h	27,08	90	20	5,50	7,0
G 1/4 - 19h	36,19	100	22	9,00	11,0
G 3/8 - 19h	43,29	100	22	9,00	12,0
G 1/2 - 14h	54,71	125	25	12,00	16,0
G 5/8 - 14h	68,20	125	25	14,50	18,0
G 3/4 - 14h	85,66	140	28	16,00	20,0

Ø x P	€	L mm	I mm	mm	d mm
G 7/8 - 14h	115,13	150	28	18,00	22,0
G 1" - 11h	130,51	160	30	20,00	25,0
G 1 1/8 - 11h	215,27	170	30	22,00	28,0
G 1 1/4 - 11h	243,69	170	30	24,00	32,0
G 1 1/2 - 11h	489,89	190	32	29,00	36,0
G 1 3/8 - 11h	306,14	180	32	29,00	36,0

2146 HSSE DIN 5156

G
ISO 228

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
G 1/8 - 28h	29,47	90	15	5,50	7,0
G 1/4 - 19h	42,34	100	18	9,00	11,0
G 3/8 - 19h	50,52	100	20	9,00	12,0
G 1/2 - 14h	63,72	125	25	12,00	16,0
G 5/8 - 14h	79,39	125	25	14,50	18,0
G 3/4 - 14h	99,77	140	28	16,00	20,0

Ø x P	€	L mm	I mm	mm	d mm
G 7/8 - 14h	134,15	150	28	18,00	22,0
G 1" - 11h	152,02	160	30	20,00	25,0
G 1 1/8 - 11h	242,43	170	30	22,00	28,0
G 1 1/4 - 11h	283,98	170	30	24,00	32,0
G 1 3/8 - 11h	384,15	180	32	29,00	36,0
G 1 1/2 - 11h	493,75	190	32	29,00	36,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2148
HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
Nº4 - 40h	19,34	56	11	2,70	3,5
Nº5 - 40h	19,34	56	11	2,70	3,5
Nº6 - 32h	18,41	56	12	3,00	4,0
Nº8 - 32h	18,41	63	13	3,40	4,5

Ø x P	€	L mm	I mm	mm	d mm
Nº10 - 24h	19,34	70	14	4,90	6,0
Nº12 - 24h	20,29	80	16	4,90	6,0
1/4 - 20h	17,17	80	16	5,50	7,0
5/16 - 18h	18,26	90	20	6,20	8,0

2147
HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B

D

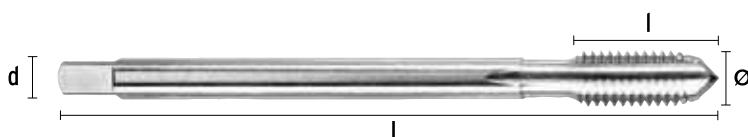
Aceros 400 - 800 N/mm²

Aciers / Steel

F

1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
1/4 - 20h	17,17	80	18	3,40	4,5
5/16 - 18h	19,43	90	20	4,90	6,0
3/8 - 16h	22,17	100	22	5,50	7,0
7/16 - 14h	30,48	100	22	6,20	8,0
1/2 - 13h	33,44	110	27	7,00	9,0
9/16 - 12h	45,54	110	30	9,00	11,0
5/8 - 11h	44,24	110	30	9,00	12,0

Ø x P	€	L mm	I mm	mm	d mm
3/4 - 10h	58,46	125	35	11,00	14,0
7/8 - 9h	77,02	140	36	14,50	18,0
1" - 8h	101,13	160	38	14,50	18,0
1 1/8 - 7h	127,70	180	45	18,00	22,0
1 1/4 - 7h	156,58	180	45	18,00	22,0
1 1/2 - 6h	264,02	200	55	24,00	32,0

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 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	Ø mm	d mm
Nº4 - 40h	23,21	56	11	2,70	3,5
Nº5 - 40h	23,21	56	11	2,70	3,5
Nº6 - 32h	22,11	56	12	3,00	4,0
Nº8 - 32h	22,11	63	13	3,40	4,5

Ø x P	€	L mm	I mm	Ø mm	d mm
Nº10 - 24h	23,21	70	14	4,90	6,0
Nº12 - 24h	24,33	80	16	4,90	6,0
1/4 - 20h	18,74	80	18	5,50	7,0
5/16 - 18h	21,39	90	20	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 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	Ø mm	d mm
1/4 - 20h	18,74	80	18	3,40	4,5
5/16 - 18h	21,42	90	20	4,90	6,0
3/8 - 16h	33,45	100	22	5,50	7,0
7/16 - 14h	33,45	100	22	6,20	8,0
1/2 - 13h	36,67	110	27	7,00	9,0
9/16 - 12h	48,67	110	30	9,00	11,0

Ø x P	€	L mm	I mm	Ø mm	d mm
5/8 - 11h	48,67	110	30	9,00	12,0
3/4 - 10h	64,37	125	35	11,00	14,0
7/8 - 9h	84,63	140	36	14,50	18,0
1" - 8h	111,08	160	38	14,50	18,0
1"1/8 - 7h	141,16	180	45	18,00	22,0
1"1/4 - 7h	173,09	180	45	18,00	22,0



MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2152 HSSE DIN 371

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
Nº4 - 40h	26,45	56	5	2,70	3,5
Nº5 - 40h	26,45	56	5	2,70	3,5
Nº6 - 32h	25,22	56	6	3,00	4,0
Nº8 - 32h	25,22	63	7	3,40	4,5

Ø x P	€	L mm	I mm	mm	d mm
Nº10 - 24h	26,45	70	8	4,90	6,0
Nº12 - 24h	25,45	80	11	4,90	6,0
1/4 - 20h	20,36	80	13	5,50	7,0
5/16 - 18h	28,76	90	13	6,20	8,0

2151 HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
C



Tol.
2B



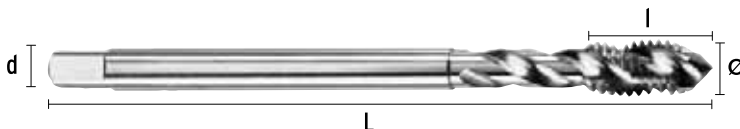
D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
1/4 - 20h	25,45	80	13	3,40	4,5
5/16 - 18h	28,78	90	13	4,90	6,0
3/8 - 16h	32,19	100	16	5,50	7,0
7/16 - 14h	39,25	100	25	6,20	8,0
1/2 - 13h	42,94	110	22	7,00	9,0
9/16 - 12h	58,28	110	18	9,00	11,0

Ø x P	€	L mm	I mm	mm	d mm
5/8 - 11h	56,69	110	22	9,00	12,0
3/4 - 10h	75,07	125	25	11,00	14,0
7/8 - 9h	117,47	140	28	14,50	18,0
1" - 8h	147,38	160	32	14,50	18,0
1"1/8 - 7h	204,46	180	35	18,00	22,0
1"1/4 - 7h	161,35	180	35	18,00	22,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2154

HSSE DIN 371

UNF
ANSI/ASME
B1.1

Form.
C



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
Nº4 - 48h	21,19	56	11	2,70	3,5
Nº5 - 44h	21,19	56	11	2,70	3,5
Nº6 - 40h	20,30	56	12	3,00	4,0
Nº8 - 36h	20,30	63	13	3,40	4,5

Ø x P	€	L mm	I mm	mm	d mm
Nº10 - 32h	20,30	70	14	4,90	6,0
Nº12 - 28h	21,19	80	16	4,90	6,0
1/4 - 28h	16,30	80	16	5,50	7,0
5/16 - 24h	18,74	90	20	6,20	8,0

2153

HSSE DIN 374

UNF
ANSI/ASME
B1.1

Form.
C



Tol.
2B



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
1/4 - 28h	16,30	80	18	3,40	4,5
5/16 - 24h	18,74	90	20	4,90	6,0
3/8 - 24h	21,63	90	20	5,50	7,0
7/16 - 20h	27,71	90	22	6,20	8,0
1/2 - 20h	29,50	100	22	7,00	9,0
9/16 - 18h	36,23	100	22	9,00	11,0
5/8 - 18h	40,80	100	22	9,00	12,0

Ø x P	€	L mm	I mm	mm	d mm
3/4 - 16h	52,20	110	25	11,00	14,0
7/8 - 14h	65,67	125	25	14,50	18,0
1" - 12h	86,08	140	28	14,50	18,0
1"1/8 - 12h	129,27	150	28	18,00	22,0
1"1/4 - 12h	163,38	150	28	18,00	22,0
1"1/2 - 12h	274,18	170	30	24,00	32,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2156

HSSE DIN 371

UNF
ANSI/ASME
B1.1

Form.
B
"Gun"

Tol.
2B

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	l mm	mm	d mm
Nº4 - 48h	20,80	56	11	2,70	3,5
Nº5 - 44h	20,80	56	11	2,70	3,5
Nº6 - 40h	24,30	56	12	3,00	4,0
Nº8 - 36h	24,30	63	13	3,40	4,5

Ø x P	€	L mm	l mm	mm	d mm
Nº10 - 32h	24,30	70	14	4,90	6,0
Nº12 - 28h	25,45	80	16	4,90	6,0
1/4 - 28h	17,94	80	16	5,50	7,0
5/16 - 24h	20,61	90	20	6,20	8,0

2155

HSSE DIN 374

UNF
ANSI/ASME
B1.1

Form.
B
"Gun"

Tol.
2B

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	l mm	mm	d mm
1/4 - 28h	17,93	80	18	3,40	4,5
5/16 - 24h	20,64	90	20	4,90	6,0
3/8 - 24h	23,76	90	20	5,50	7,0
7/16 - 20h	30,48	90	22	6,20	8,0
1/2 - 20h	32,47	100	22	7,00	9,0

Ø x P	€	L mm	l mm	mm	d mm
9/16 - 18h	39,84	100	22	9,00	11,0
5/8 - 18h	44,84	100	22	9,00	12,0
3/4 - 16h	57,45	110	25	11,00	14,0
7/8 - 14h	72,22	125	25	14,50	18,0
1" - 12h	94,66	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 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	l mm	mm	d mm
Nº4 - 48h	28,98	56	5	2,70	3,5
Nº5 - 44h	28,98	56	5	2,70	3,5
Nº6 - 40h	20,26	56	6	3,00	4,0
Nº8 - 36h	20,26	63	7	3,40	4,5

Ø x P	€	L mm	l mm	mm	d mm
Nº10 - 32h	20,26	70	8	4,90	6,0
Nº12 - 28h	28,98	80	11	4,90	6,0
1/4 - 28h	20,36	80	13	5,50	7,0
5/16 - 24h	23,48	90	13	6,20	8,0

2157

HSSE DIN 374

UNF
ANSI/ASME
B1.1

Form.
C



Tol.
2B



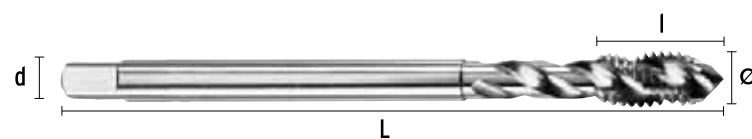
D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	l mm	mm	d mm
1/4 - 28h	20,34	80	13	3,40	4,5
5/16 - 24h	23,48	90	13	4,90	6,0
3/8 - 24h	27,02	90	16	5,50	7,0
7/16 - 20h	35,51	90	15	6,20	8,0
1/2 - 20h	37,79	100	22	7,00	9,0

Ø x P	€	L mm	l mm	mm	d mm
9/16 - 18h	46,80	100	22	9,00	11,0
5/8 - 18h	52,29	100	22	9,00	12,0
3/4 - 16h	65,25	110	25	11,00	14,0
7/8 - 14h	102,31	125	25	14,50	18,0
1" - 12h	125,94	140	28	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

1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
UN1"1/8 - 8h	337,88	180	45	18,00	22,0
UN1"1/4 - 8h	435,92	180	45	18,00	22,0
UN1"3/8 - 8h	363,13	200	56	22,00	28,0
UN1"1/2 - 8h	415,75	200	60	24,00	32,0

Ø x P	€	L mm	I mm	mm	d mm
UN1"5/8 - 8h	423,25	200	60	24,00	32,0
UN1"3/4 - 8h	530,58	200	50	29,00	36,0
UN2" - 8h	862,46	225	50	32,00	40,0

2143

HSSE DIN 374

UNS

ANSI/ASME
B1.1

Form.

C



Tol.
2B

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
UNS 1" - 14h	85,97	140	28	14,50	18,0

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 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	l mm	□ mm	d mm
Rc 1/8 - 28h	38,87	90	20	5,50	7,0
Rc 1/4 - 19h	56,28	100	22	9,00	11,0
Rc 3/8 - 19h	77,60	100	22	9,00	12,0
Rc 1/2 - 14h	108,15	125	25	12,00	16,0

Ø x P	€	L mm	l mm	□ mm	d mm
Rc 5/8 - 14h	178,88	125	25	14,50	18,0
Rc 3/4 - 14h	167,65	140	28	16,00	20,0
Rc 7/8 - 14h	289,44	150	28	18,00	22,0
Rc 1" - 11h	241,01	160	30	20,00	25,0

2160 HSSE DIN 374

UNEF
ANSI/ASME
B1.1

Form.
C



Tol.
2B

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	l mm	□ mm	d mm
1/4 - 32h	69,52	80	18	3,40	4,5
5/16 - 32h	80,98	90	20	4,90	6,0
3/8 - 32h	92,83	90	20	5,50	7,0
7/16 - 28h	118,15	90	22	6,20	8,0
1/2 - 28h	126,42	100	22	7,00	9,0

Ø x P	€	L mm	l mm	□ mm	d mm
9/16 - 24h	151,86	100	22	9,00	11,0
5/8 - 24h	176,59	100	22	9,00	12,0
3/4 - 20h	234,02	110	25	11,00	14,0
1" - 20h	383,46	140	28	14,50	18,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2162 HSSE DIN 371

BA
BS 93

Form.
C



BSB
93



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	∠ mm	d mm
BA 0 (6,00 x 1,00)	71,67	80	16	4,90	6,0
BA 1 (5,30 x 0,90)	71,67	80	16	4,90	6,0
BA 2 (4,70 x 0,81)	72,36	70	14	4,90	6,0
BA 3 (4,10 x 0,73)	73,63	63	13	3,40	4,5
BA 4 (3,60 x 0,66)	73,63	56	12	3,00	4,0

Ø x P	€	L mm	I mm	∠ mm	d mm
BA 5 (3,20 x 0,59)	87,12	56	11	2,70	3,5
BA 6 (2,80 x 0,53)	87,12	56	11	2,70	3,5
BA 7 (2,50 x 0,48)	72,45	50	9	2,10	2,8
BA 8 (2,20 x 0,43)	72,45	45	9	2,10	2,8

2163 HSSE DIN 40433

PG
DIN 40430

Form.
C



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	∠ mm	d mm
Pg.7 (12,50 x 20h)	35,74	100	22	7,00	9,0
Pg.9 (15,20 x 18h)	49,46	100	22	9,00	12,0
Pg.11 (18,60 x 18h)	64,37	110	25	11,00	14,0
Pg.13,50(20,40 x 18h)	72,25	125	25	12,00	16,0
Pg.16 (22,50 x 18h)	85,05	125	25	14,50	18,0

Ø x P	€	L mm	I mm	∠ mm	d mm
Pg.21 (28,30 x 16h)	135,03	150	28	18,00	22,0
Pg.29 (37,00 x 16h)	228,28	170	30	22,00	28,0
Pg.36 (47,00 x 16h)	400,50	190	32	29,00	36,0
Pg.42 (54,00 x 16h)	652,09	190	32	32,00	40,0
Pg.48 (59,30 x 16h)	794,97	220	40	35,00	45,0

2164 HSSE DIN 374

NPT
ANSI/ASME
B1.20.1

Form.
C



Tol.
6H



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	∠ mm	d mm
1/16 - 27h	32,34	90	12	4,90	6,0
1/8 - 27h	32,34	90	12	6,20	8,0
1/4 - 18h	44,94	100	18	9,00	11,0
3/8 - 18h	58,29	110	18	11,00	12,0
1/2 - 14h	75,85	140	23	12,00	16,0

Ø x P	€	L mm	I mm	∠ mm	d mm
3/4 - 14h	117,50	150	24	16,00	20,0
1" - 11,5h	151,26	170	30	20,00	25,0
1"1/4 - 11,5h	209,16	170	45	24,00	32,0
1"1/2 - 11,5h	341,92	190	45	29,00	36,0
2" - 11,5h	536,31	225	45	35,00	45,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2209 HSSE DIN 374

NPTF
ANSI/ASME
B1.20.1

Form.
C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
NPTF 1/8 - 27h	82,32	90	12	6,20	8,0
NPTF 1/4 - 18h	115,49	100	18	9,00	11,0
NPTF 3/8 - 18h	148,36	110	18	9,00	12,0

Ø x P	€	L mm	I mm	mm	d mm
NPTF 1/2 - 14h	193,15	140	23	12,00	16,0
NPTF 3/4 - 14h	299,18	150	24	16,00	20,0

2210 HSSE DIN 374

NPS
ANSI/ASME
B1.20.1

Form.
C



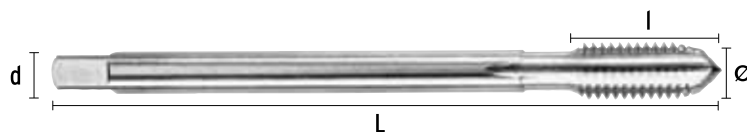
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Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
NPS 1/8 - 27h	95,21	90	20	5,50	7,0
NPS 1/4 - 18h	136,23	100	22	9,00	11,0
NPS 3/8 - 18h	186,81	100	22	9,00	12,0

Ø x P	€	L mm	I mm	mm	d mm
NPS 1/2 - 14h	256,15	125	25	12,00	16,0
NPS 3/4 - 14h	378,68	140	28	16,00	20,0
NPS 1" - 11,50h	489,70	160	30	20,00	25,0

MACHOS DE MÁQUINA

TARAUDS MACHINE / MACHINE TAPS

2211

HSSE DIN 374

NPSF
ANSI/ASME
B1.20.1

Form.
C



Tol.
6H

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F **1100**
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
NPSF 1/8 - 27h	114,81	90	20	5,50	7,0
NPSF 1/4 - 18h	164,23	100	22	9,00	11,0
NPSF 3/8 - 18h	225,11	100	22	9,00	12,0

Ø x P	€	L mm	I mm	mm	d mm
NPSF 1/2 - 14h	308,81	125	25	12,00	16,0
NPSF 3/4 - 14h	505,40	140	28	16,00	20,0

2212

HSSE

Tr
DIN 103



Tol.
7H

Aceros 400 - 800 N/mm²

Aciers / Steel

F **1100**
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
Tr 10x2	302,31	110	63	5,50	7,0
Tr 10x3	302,31	125	75	5,50	7,0
Tr 12x3	353,63	165	111	6,20	8,0
Tr 14x3	362,54	140	85	8,00	10,0
Tr 14x4	391,50	170	112	8,00	10,0
Tr 16x4	391,50	180	116	9,00	11,0
Tr 18x4	419,61	190	120	9,00	12,0

Ø x P	€	L mm	I mm	mm	d mm
Tr 20x4	456,84	200	124	11,00	14,0
Tr 22x5	456,84	235	155	12,00	16,0
Tr 24x5	494,21	245	160	14,50	18,0
Tr 26x5	512,90	255	165	16,00	20,0
Tr 28x5	559,48	265	170	18,00	22,0
Tr 30x6	606,19	290	185	18,00	22,0
Tr 32x6	595,70	300	191	20,00	25,0

MACHOS DE MÁQUINA ESPECIALES

TARAUDS MACHINE SPÉCIAUX / SPECIAL MACHINE TAPS

2111

HSSE DIN 371



M
DIN 13

Form.
B
"Gun"



Tol.
6H

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	22,58	100	11	2,70	3,5
M4 x 0,70	22,58	100	13	3,40	4,5
M5 x 0,80	25,50	120	16	4,90	6,0
M6 x 1,00	25,50	120	19	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M8 x 1,25	33,67	150	22	6,20	8,0
M10 x 1,50	40,87	150	24	8,00	10,0
M12 x 1,75	45,93	150	29	9,00	12,0

2112

HSSE DIN 371



M
DIN 13

Form.
C



Tol.
6H



R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	∠ mm	d mm
M3 x 0,50	26,68	100	6	2,70	3,5
M4 x 0,70	26,68	100	7	3,40	4,5
M5 x 0,80	30,76	120	8	4,90	6,0
M6 x 1,00	30,76	120	10	4,90	6,0

Ø x P mm	€	L mm	l mm	∠ mm	d mm
M8 x 1,25	38,94	150	14	6,20	8,0
M10 x 1,50	47,10	150	16	8,00	10,0
M12 x 1,75	49,03	150	18	9,00	12,0

MACHOS DE MÁQUINA ESPECIALES

TARAUDS MACHINE SPÉCIAUX / SPECIAL MACHINE TAPS

2127

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6H

CHAPA
TÔLE
SHEET
METAL

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	11,11	56	11	2,70	3,5
M4 x 0,70	11,11	63	13	3,40	4,5
M5 x 0,80	12,25	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	12,45	80	16	4,90	6,0
M8 x 1,25	14,51	90	18	6,20	8,0
M10 x 1,50	17,40	100	22	8,00	10,0

2199

HSSE DIN 357

M
DIN 13

Form.
A



Tol.
6H



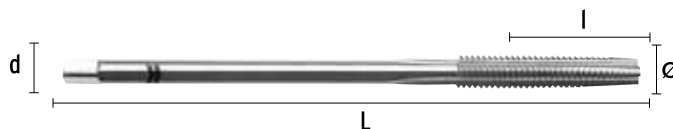
D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	Z	d mm
M3 x 0,50	21,37	70	22	-	3	2,2
M4 x 0,70	21,37	90	25	2,10	3	2,8
M5 x 0,80	21,98	100	28	2,70	3	3,5
M6 x 1,00	20,38	110	32	3,40	3	4,5
M8 x 1,25	23,81	125	40	4,90	3	6,0
M10 x 1,50	36,63	140	45	5,50	3	7,0
M12 x 1,75	43,94	180	50	7,00	3	9,0

Ø x P	€	L mm	I mm	mm	Z	d mm
M14 x 2,00	48,82	200	56	9,00	3	11,0
M16 x 2,00	59,82	200	63	9,00	3	12,0
M18 x 2,50	73,24	220	63	11,00	4	14,0
M20 x 2,50	84,83	250	70	12,00	4	16,0
M22 x 2,50	108,63	280	80	14,50	4	18,0
M24 x 3,00	128,14	280	80	14,50	4	18,0

MACHOS DE MÁQUINA ESPECIALES

TARAUDS MACHINE SPÉCIAUX / SPECIAL MACHINE TAPS

2134

HSSE

M
DIN 13

Form.
A



Tol.
6H



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	d mm
M3 x 0,50	22,72	280	12	2,5
M4 x 0,70	22,72	280	17	3,0
M5 x 0,80	22,72	280	20	3,8
M6 x 1,00	22,72	280	25	4,5
M8 x 1,25	26,61	280	31	6,1
M10 x 1,50	30,82	280	37	7,8
M12 x 1,75	47,68	420	43	9,4

Ø x P mm	€	L mm	I mm	d mm
M14 x 2,00	54,05	420	50	11,0
M16 x 2,00	67,28	420	50	12,9
M18 x 2,50	87,79	530	62	14,2
M20 x 2,50	108,33	530	63	16,1
M22 x 2,50	131,78	530	62	18,0
M24 x 3,00	173,14	530	75	19,2

2806

HSSE DIN 13

M
DIN 13

Tol.
6H

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	I2 mm	∇ mm	d mm
M3 x 0,50	28,96	56	16	11	2,40	3,0
M4 x 0,70	28,96	63	18	14	3,00	4,0
M5 x 0,80	28,96	71	20	18	3,80	5,0
M6 x 1,00	32,01	80	22	22	4,90	6,0

Ø x P mm	€	L mm	I mm	I2 mm	∇ mm	d mm
M8 x 1,25	36,16	95	26	25	6,20	8,0
M10 x 1,50	39,79	106	30	31	8,00	10,0
M12 x 1,75	46,96	115	32	35	9,00	12,0

MACHOS DE MÁQUINA IZQUIERDAS

TARAUDS MACHINE A GAUCHE / LEFT HAND MACHINE TAPS

2101/5

HSSE DIN 376/374

M
DIN 13

MF
DIN 13

Form.
C

Tol.
6H

LH

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100 N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
M5 x 0,80	17,52	70	16	2,70	3,5
M6 x 1,00	19,89	80	18	3,40	4,5
M7 x 1,00	24,53	80	18	4,30	5,5
MF8 x 1,00	29,08	90	20	4,90	6,0
M8 x 1,25	22,38	90	20	4,90	6,0
M9 x 1,25	37,05	90	20	5,50	7,0
MF10 x 1,00	32,27	90	20	5,50	7,0
MF10 x 1,25	25,55	90	20	5,50	7,0
M10 x 1,50	25,55	100	22	5,50	7,0
MF12 x 1,25	44,59	100	22	7,00	7,0
MF12 x 1,50	39,89	100	22	7,00	9,0
M12 x 1,75	32,94	110	27	7,00	9,0
MF14 x 1,50	45,98	100	22	9,00	9,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
M14 x 2,00	45,61	110	30	9,00	11,0
MF16 x 1,50	52,49	100	22	9,00	11,0
M16 x 2,00	53,61	110	30	9,00	12,0
MF18 x 1,50	75,26	110	25	11,00	12,0
M18 x 2,50	81,03	125	34	11,00	14,0
MF20 x 1,50	85,22	125	25	12,00	14,0
M20 x 2,50	86,05	140	35	12,00	16,0
MF22 x 1,50	102,58	125	25	14,50	18,0
M22 x 2,50	104,15	140	34	14,50	18,0
MF24 x 1,50	126,15	140	28	14,50	18,0
M24 x 3,00	124,71	160	38	14,50	18,0
M27 x 3,00	155,64	160	38	16,00	20,0
M30 x 3,50	199,46	180	45	18,00	22,0

2102/5

HSSE DIN 371

M
DIN 13

Form.
C

Tol.
6H

LH

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100 N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
M3 x 0,50	17,09	56	11	2,70	3,5
M4 x 0,70	17,45	63	13	3,40	4,5
M5 x 0,80	17,52	70	16	4,90	6,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
M6 x 1,00	19,89	80	19	4,90	6,0
M8 x 1,25	22,38	90	22	6,20	8,0
M10 x 1,50	25,55	100	24	8,00	10,0

2135/5

HSSE DIN 376

BSW
BS 84

Form.
C

Tol.
6H

LH

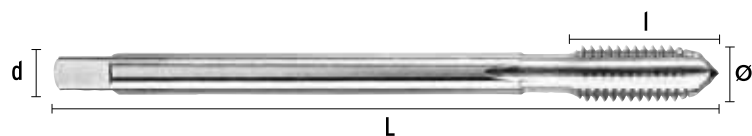
D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100 N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
W1/4 - 20h	29,75	80	18	3,40	4,5
W5/16 - 18h	36,52	90	20	4,90	6,0
W3/8 - 16h	40,35	100	22	5,50	7,0
W7/16 - 14h	53,23	100	22	6,20	8,0
W1/2 - 12h	51,04	110	27	7,00	9,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
W9/16 - 12h	73,22	110	30	9,00	11,0
W5/8 - 11h	69,27	110	30	9,00	12,0
W3/4 - 10h	92,67	125	35	11,00	14,0
W7/8 - 9h	125,52	140	36	14,50	18,0
W1" - 8h	157,86	160	38	14,50	18,0

MACHOS DE MÁQUINA IZQUIERDAS

TARAUDS MACHINE A GAUCHE / LEFT HAND MACHINE TAPS

2136/5

HSSE DIN 371

BSW
BS 84

Form.
C



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
W 1/8 - 40h	27,31	56	11	2,70	3,5
W 5/32 - 32h	27,31	63	13	3,40	4,5
W 3/16 - 24h	27,31	70	14	4,90	6,0

2144/5

HSSE DIN 5156

G
ISO 228

Form.
C



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
G1/8 - 28h	46,14	90	20	5,50	7,0
G1/4 - 19h	65,77	100	22	9,00	11,0
G3/8 - 19h	78,68	100	22	9,00	12,0
G1/2 - 14h	99,44	125	25	12,00	16,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
G5/8 - 14h	123,96	125	25	14,50	18,0
G3/4 - 14h	155,70	140	28	16,00	20,0
G1" - 11h	241,60	160	30	20,00	25,0

2147/5

HSSE DIN 376

UNC
ANSI/ASME
B1.1

Form.
C



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	Ø mm	d mm
UNC 1/4 - 20h	34,33	80	18	3,40	4,5
UNC 5/16 - 18h	38,86	90	20	4,90	6,0
UNC 3/8 - 16h	44,35	100	22	5,50	7,0
UNC 7/16 - 14h	60,96	100	22	6,20	8,0
UNC 1/2 - 13h	66,88	110	27	7,00	9,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
UNC 9/16 - 12h	91,09	110	30	9,00	11,0
UNC 5/8 - 11h	88,47	110	30	9,00	12,0
UNC 3/4 - 10h	116,91	125	35	11,00	14,0
UNC 7/8 - 9h	154,04	140	36	14,50	18,0
UNC 1" - 8h	202,26	160	38	14,50	18,0

MACHOS DE MÁQUINA IZQUIERDAS

TARAUDS MACHINE A GAUCHE / LEFT HAND MACHINE TAPS

2153/5

HSSE DIN 374

UNF

ANSI/ASME
B1.1

Form.

C



D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
UNF 1/4 - 28h	32,59	80	18	3,40	4,5
UNF 5/16- 24h	37,48	90	20	4,90	6,0
UNF 3/8 - 24h	43,27	90	20	5,50	7,0
UNF 7/16- 20h	55,42	90	22	6,20	8,0
UNF 1/2 - 20h	59,00	100	22	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
UNF 9/16- 18h	72,46	100	22	9,00	11,0
UNF 5/8 - 18h	81,60	100	22	9,00	12,0
UNF 3/4 - 16h	104,40	110	25	11,00	14,0
UNF 7/8 - 14h	131,33	125	25	14,50	18,0
UNF 1" - 12h	172,16	140	28	14,50	18,0

2212/5

HSSE

Tr

DIN 103



Tol.

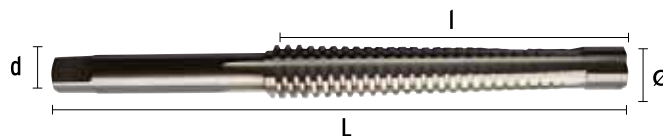
7H

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P	€	L mm	I mm	mm	d mm
Tr 10x2	377,85	110	63	5,50	7,0
Tr 10x3	377,85	125	75	5,50	7,0
Tr 12x3	442,03	165	111	6,20	8,0
Tr 14x3	453,17	140	85	8,00	10,0
Tr 14x4	489,40	170	112	8,00	10,0
Tr 16x4	489,40	180	116	9,00	11,0
Tr 18x4	524,47	190	120	9,00	12,0

Ø x P	€	L mm	I mm	mm	d mm
Tr 20x4	571,05	200	124	11,00	14,0
Tr 22x5	571,05	235	155	12,00	16,0
Tr 24x5	617,77	245	160	14,50	18,0
Tr 26x5	641,13	255	165	16,00	20,0
Tr 28x5	699,27	265	170	18,00	22,0
Tr 30x6	757,78	290	185	18,00	22,0
Tr 32x6	744,63	300	191	20,00	25,0

MACHOS DE MÁQUINA TOLERANCIAS ESPECIALES

TARAUDS MACHINE TOLERANCES SPÉCIALES / SPECIAL TOLERANCE MACHINE TAPS

2110

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6H
+0,1

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	15,61	56	11	2,70	3,5
M4 x 0,70	15,93	63	13	3,40	4,5
M5 x 0,80	15,98	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	18,16	80	16	4,90	6,0
M8 x 1,25	20,44	90	18	6,20	8,0
M10 x 1,50	25,73	150	22	8,00	10,0

2109

HSSE DIN 376

M
DIN 13

Form.
B
"Gun"



Tol.
6H
+0,1

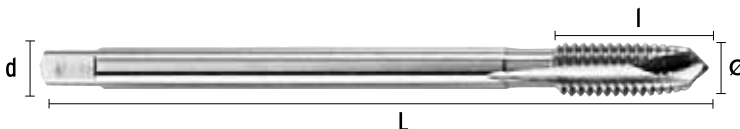
D

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M8 x 1,25	20,44	90	20	4,90	6,0
M10 x 1,50	25,73	100	22	5,50	7,0
M12 x 1,75	32,86	110	27	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
M14 x 2,00	41,26	110	30	9,00	11,0
M16 x 2,00	49,92	110	30	9,00	12,0



MACHOS DE MÁQUINA TOLERANCIAS ESPECIALES

TARAUDS MACHINE TOLERANCES SPÉCIALES / SPECIAL TOLERANCE MACHINE TAPS

2166

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H
+0,1


35°

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	19,54	56	5	2,70	3,5
M4 x 0,70	19,54	63	7	3,40	4,5
M5 x 0,80	18,87	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	20,69	80	10	4,90	6,0
M8 x 1,25	24,69	90	13	6,20	8,0
M10 x 1,50	29,28	110	15	8,00	10,0

2165

HSSE DIN 376

M
DIN 13

Form.
C



Tol.
6H
+0,1


35°

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M8 x 1,25	24,69	90	13	4,90	6,0
M10 x 1,50	29,28	100	16	5,50	7,0
M12 x 1,75	32,86	110	18	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
M14 x 2,00	47,05	110	20	9,00	11,0
M16 x 2,00	56,81	110	20	9,00	12,0

MACHOS DE MÁQUINA TOLERANCIAS ESPECIALES

TARAUDS MACHINE TOLERANCES SPÉCIALES / SPECIAL TOLERANCE MACHINE TAPS

2168

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6G



Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	15,43	56	11	2,70	3,5
M4 x 0,70	15,43	63	13	3,40	4,5
M5 x 0,80	15,43	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	15,55	80	16	4,90	6,0
M8 x 1,25	18,67	90	18	6,20	8,0
M10 x 1,50	21,94	100	22	8,00	10,0

2169

HSSE DIN 376

M
DIN 13

Form.
B
"Gun"



Tol.
6G

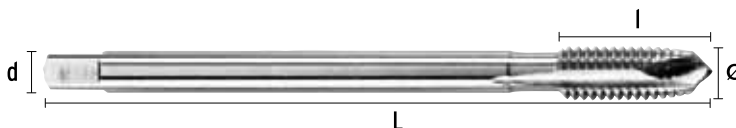


Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M8 x 1,25	18,67	90	20	4,90	6,0
M10 x 1,50	21,94	100	22	5,50	7,0
M12 x 1,75	27,41	110	27	7,00	9,0
M14 x 2,00	34,38	110	30	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	41,60	110	30	9,00	12,0
M18 x 2,50	57,13	125	34	11,00	14,0
M20 x 2,50	59,72	140	34	12,00	16,0

MACHOS DE MÁQUINA TOLERANCIAS ESPECIALES

TARAUDS MACHINE TOLERANCES SPÉCIALES / SPECIAL TOLERANCE MACHINE TAPS

2170

HSSE DIN 371

M
DIN 13

Form.
C

Tol.
6G

R

Aceros 400 - 800 N/mm²

Aciers / Steel

F **1100**
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	17,00	56	5	2,70	3,5
M4 x 0,70	17,00	63	7	3,40	4,5
M5 x 0,80	16,39	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	17,98	80	10	4,90	6,0
M8 x 1,25	21,46	90	13	6,20	8,0
M10 x 1,50	25,44	100	15	8,00	10,0

2208

HSSE DIN 376

M
DIN 13

Form.
C

Tol.
6G

D

Aceros 400 - 800 N/mm²

Aciers / Steel

F **1100**
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M8 x 1,25	21,46	90	13	4,90	6,0
M10 x 1,50	25,44	100	16	5,50	7,0
M12 x 1,75	33,95	110	18	7,00	9,0
M14 x 2,00	39,21	110	20	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	47,35	110	20	9,00	12,0
M18 x 2,50	64,50	125	25	11,00	14,0
M20 x 2,50	67,87	140	25	12,00	16,0

MACHOS DE MÁQUINA DE LAMINACIÓN

TARAUDS MACHINE A REFOULER / ROLL MACHINE TAPS

2131

HSSEX DIN 371

ASP
2030

M
DIN 13

Form.
C



Tol.
6HX

R

AlCrN

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	25,11	56	10	2,70	3,5
M4 x 0,70	25,11	63	7	3,40	4,5
M5 x 0,80	28,88	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	32,14	80	10	4,90	6,0
M8 x 1,25	44,59	90	13	6,20	8,0
M10 x 1,50	56,22	100	15	8,00	10,0

2130

HSSEX DIN 376

ASP
2030

M
DIN 13

Form.
C



Tol.
6HX

D

AlCrN

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100
N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	67,72	110	24	7,00	9,0
M14 x 2,00	89,70	110	26	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	106,95	110	27	9,00	12,0

MACHOS DE MÁQUINA DE LAMINACIÓN

TARAUDS MACHINE A REFOULER / ROLL MACHINE TAPS

2188
HSSEX DIN 371

ASP
2030
M
DIN 13
Form.
C

Tol.
6HX
R

TIN

Aceros 800 - 1100 N/mm²
Aciers / Steel
inox

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	23,32	56	10	2,70	3,5
M4 x 0,70	23,32	63	7	3,40	4,5
M5 x 0,80	26,19	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	28,56	80	10	4,90	6,0
M8 x 1,25	38,46	90	13	6,20	8,0
M10 x 1,50	46,77	100	15	8,00	10,0

2187
HSSEX DIN 376

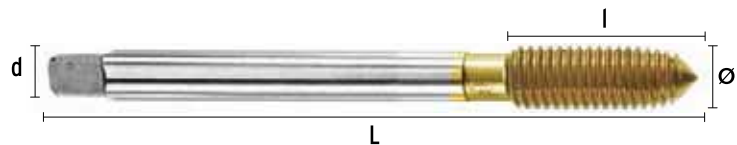
ASP
2030
M
DIN 13
Form.
C

Tol.
6HX
D

TIN

Aceros 800 - 1100 N/mm²
Aciers / Steel
inox

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	58,14	110	24	7,00	9,0
M14 x 2,00	80,12	110	26	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	97,37	110	27	9,00	12,0

MACHOS DE MÁQUINA DE LAMINACIÓN

TARAUDS MACHINE A REFOULER / ROLL MACHINE TAPS

2198

HSSEX DIN 371

ASP

2030

M

DIN 13

Form.

C

Tol.

6HX

R

AlCrN

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1100 N/mm²

Aplicaciones / Applications

Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	26,26	56	10	2,70	3,5
M4 x 0,70	26,26	63	7	3,40	4,5
M5 x 0,80	30,09	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	33,35	80	10	4,90	6,0
M8 x 1,25	46,06	90	13	6,20	8,0
M10 x 1,50	57,88	100	15	8,00	10,0

2197

HSSEX DIN 376

ASP

2030

M

DIN 13

Form.

C

Tol.

6HX

D

AlCrN

Aceros 400 - 800 N/mm²

Aciers / Steel

F

1100 N/mm²

Aplicaciones / Applications

Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	71,75	110	24	7,00	9,0
M14 x 2,00	97,05	110	26	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	114,30	110	27	9,00	12,0

193

MACHOS DE MÁQUINA DE LAMINACIÓN

TARAUDS MACHINE A REFOULER / ROLL MACHINE TAPS

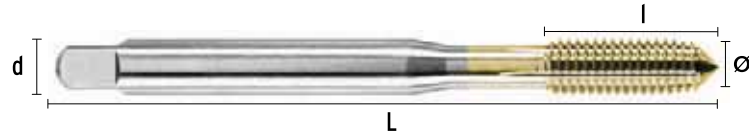
2214
HSSEX DIN 371

ASP 2030
M DIN 13
Form. C

Tol. **6HX**
R

Aceros 800 - 1100 N/mm²
Aciers / Steel
inox

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	24,47	56	10	2,70	3,5
M4 x 0,70	24,47	63	7	3,40	4,5
M5 x 0,80	27,41	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	29,77	80	10	4,90	6,0
M8 x 1,25	39,93	90	13	6,20	8,0
M10 x 1,50	48,43	100	15	8,00	10,0

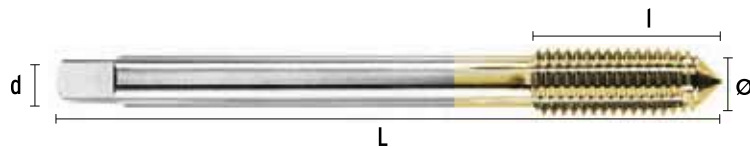
2213
HSSEX DIN 376

ASP 2030
M DIN 13
Form. C

Tol. **6HX**
D

Aceros 800 - 1100 N/mm²
Aciers / Steel
inox

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	62,16	110	24	7,00	9,0
M14 x 2,00	87,46	110	26	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	104,71	110	27	9,00	12,0

TARAUDS MACHINE A REFOULER / ROLL MACHINE TAPS

2200

**ASP
2030**

M
PIN 1

Form.
C



Tol.
6GX



Aciers / Steel

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	 mm	d mm
M3 x 0,50	25,11	56	10	2,70	3,5
M4 x 0,70	25,11	63	7	3,40	4,5
M5 x 0,80	28,88	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	 mm	d mm
M6 x 1,00	32,14	80	10	4,90	6,0
M8 x 1,25	44,59	90	13	6,20	8,0
M10 x 1,50	56,22	100	15	8,00	10,0

2201

**ASP
2030**

M
MIN 1

Form.
C



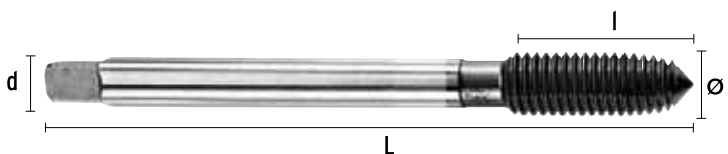
Tol.
6GX



AlCrN

Aciers / Steel

Aplicaciones / Applications



	Ø x P mm	€	L mm	l mm	 mm	d mm
	M12 x 1,75	67,72	110	24	7,00	9,0

MACHOS DE MÁQUINA DE LAMINACIÓN

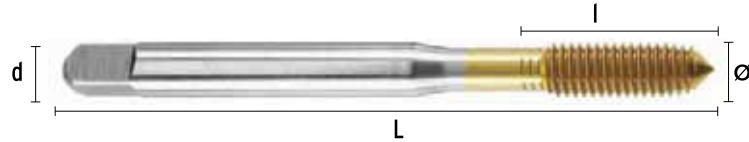
TARAUDS MACHINE A REFOULER / ROLL MACHINE TAPS

2216
HSSEX DIN 371

ASP
2030
M
DIN 13
Form.
C
Tol.
6GX
R
TIN

Aceros 800 - 1100 N/mm²
Aciers / Steel
inox

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	23,32	56	10	2,70	3,5
M4 x 0,70	23,32	63	7	3,40	4,5
M5 x 0,80	26,19	70	8	4,90	6,0

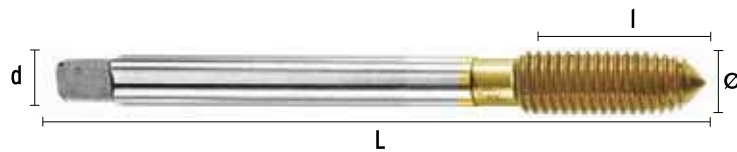
Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	28,56	80	10	4,90	6,0
M8 x 1,25	38,46	90	13	6,20	8,0
M10 x 1,50	46,77	100	15	8,00	10,0

2215
HSSEX DIN 376

ASP
2030
M
DIN 13
Form.
C
Tol.
6GX
D
TIN

Aceros 800 - 1100 N/mm²
Aciers / Steel
inox

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	58,14	110	24	7,00	9,0

MACHOS DE MÁQUINA DE LAMINACIÓN

TARAUDS MACHINE A REFOULER / ROLL MACHINE TAPS

2202

HSSEX DIN 371

ASP

2030

M

DIN 13

Form.

C

Tol.

6GX

R

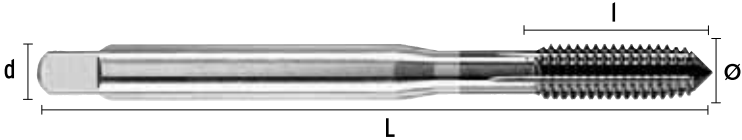
AlCrN

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100 N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M3 x 0,50	26,26	56	10	2,70	3,5
M4 x 0,70	26,26	63	7	3,40	4,5
M5 x 0,80	30,09	70	8	4,90	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M6 x 1,00	33,35	80	10	4,90	6,0
M8 x 1,25	46,06	90	13	6,20	8,0
M10 x 1,50	57,88	100	15	8,00	10,0

2203

HSSEX DIN 376

ASP

2030

M

DIN 13

Form.

C

Tol.

6GX

D

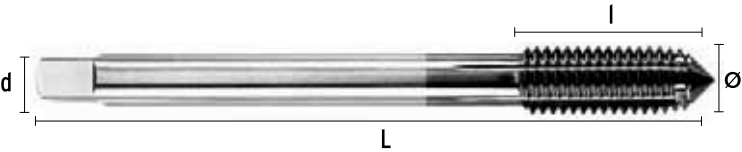
AlCrN

Aceros 400 - 800 N/mm²

Aciers / Steel

F 1100 N/mm²

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M12 x 1,75	71,75	110	24	7,00	9,0

MACHOS DE MÁQUINA DE LAMINACIÓN

TARAUDS MACHINE A REFOULER / ROLL MACHINE TAPS

2218

HSSEX DIN 371

ASP
2030

M
DIN 13

Form.
C

Tol.
6GX

R

TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

inox

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	24,47	56	10	2,70	3,5
M4 x 0,70	24,47	63	7	3,40	4,5
M5 x 0,80	27,41	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	29,77	80	10	4,90	6,0
M8 x 1,25	39,93	90	13	6,20	8,0
M10 x 1,50	48,43	100	15	8,00	10,0

2217

HSSEX DIN 376

ASP
2030

M
DIN 13

Form.
C

Tol.
6GX

D

TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

inox

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	62,16	110	24	7,00	9,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2116

HSSEX DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6H



TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

800 N/mm² F AL CU PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	17,61	56	11	2,70	3,5
M4 x 0,70	17,61	63	13	3,40	4,5
M5 x 0,80	17,62	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	21,66	80	16	4,90	6,0
M8 x 1,25	26,08	90	18	6,20	8,0
M10 x 1,50	30,58	100	22	8,00	10,0

2115

HSSEX DIN 376

M
DIN 13

Form.
B
"Gun"



Tol.
6H



TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

800 N/mm² F AL CU PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M10 x 1,50	30,58	100	22	5,50	7,0
M12 x 1,75	36,33	110	27	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
M14 x 2,00	45,89	110	30	9,00	11,0
M16 x 2,00	53,66	110	30	9,00	12,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2118

HSSE DIN 371

M

DIN 13

Form.

C

Tol.

6H

35°

R

TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

800 N/mm²

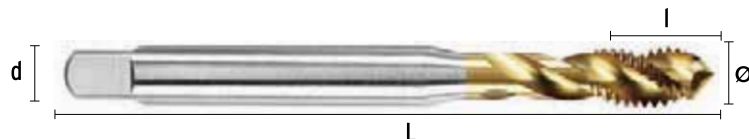
F

AL

CU

PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	18,27	56	5	2,70	3,5
M4 x 0,70	19,19	63	7	3,40	4,5
M5 x 0,80	19,19	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	22,93	80	10	4,90	6,0
M8 x 1,25	28,62	90	13	6,20	8,0
M10 x 1,50	32,79	100	15	8,00	10,0

2117

HSSE DIN 376

M

DIN 13

Form.

C

Tol.

6H

35°

D

TIN

Aceros 800 - 1100 N/mm²

Aciers / Steel

800 N/mm²

F

AL

CU

PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M10 x 1,50	32,79	100	16	5,50	7,0
M12 x 1,75	40,25	110	18	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
M14 x 2,00	49,88	110	20	9,00	11,0
M16 x 2,00	57,97	110	20	9,00	12,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2171

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"



Tol.
6H



TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel

800
N/mm²

F

AL

CU

PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	18,10	56	11	2,70	3,5
M4 x 0,70	18,12	63	13	3,40	4,5
M5 x 0,80	18,12	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	22,30	80	16	4,90	6,0
M8 x 1,25	26,83	90	18	6,20	8,0
M10 x 1,50	31,46	100	22	8,00	10,0

2172

HSSE DIN 376

M
DIN 13

Form.
B
"Gun"



Tol.
6H



TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel

800
N/mm²

F

AL

CU

PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M10 x 1,50	31,46	100	22	5,50	7,0
M12 x 1,75	37,38	110	27	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
M14 x 2,00	47,22	110	30	9,00	11,0
M16 x 2,00	55,19	110	30	9,00	12,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2173

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H



R

TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel

800
N/mm²

F

AL

CU

PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	19,56	56	5	2,70	3,5
M4 x 0,70	19,76	63	7	3,40	4,5
M5 x 0,80	19,76	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	23,60	80	10	4,90	6,0
M8 x 1,25	29,46	90	13	6,20	8,0
M10 x 1,50	33,72	100	15	8,00	10,0

2174

HSSE DIN 376

M
DIN 13

Form.
C



Tol.
6H



D

TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel

800
N/mm²

F

AL

CU

PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M10 x 1,50	33,72	100	16	5,50	7,0
M12 x 1,75	41,40	110	18	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
M14 x 2,00	50,51	110	18	9,00	11,0
M16 x 2,00	59,07	110	20	9,00	12,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE 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	mm	d mm
M3 x 0,50	11,52	56	11	2,70	3,5
M4 x 0,70	11,07	63	13	3,40	4,5
M5 x 0,80	11,07	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	12,14	80	16	4,90	6,0
M8 x 1,25	13,84	90	18	6,20	8,0
M10 x 1,50	16,44	100	22	8,00	10,0

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	mm	d mm
M6 x 1,00	12,14	80	18	3,40	4,5
M8 x 1,25	13,84	90	20	4,90	6,0
M10 x 1,50	16,44	100	22	5,50	7,0
M12 x 1,75	21,19	110	27	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
M14 x 2,00	29,51	110	30	9,00	11,0
M16 x 2,00	35,81	110	30	9,00	12,0
M18 x 2,50	66,75	125	34	11,00	14,0
M20 x 2,50	66,75	140	34	12,00	16,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2180

HSSE DIN 371

M
DIN 13

Form.
C

Tol.
6HX

R

Fundición Fonte / Cast Iron

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	17,48	56	11	2,70	3,5
M4 x 0,70	17,84	63	13	3,40	4,5
M5 x 0,80	17,84	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	18,91	80	18	4,90	6,0
M8 x 1,25	22,54	90	18	6,20	8,0
M10 x 1,50	27,28	100	22	8,00	10,0

2179

HSSE DIN 376

M
DIN 13

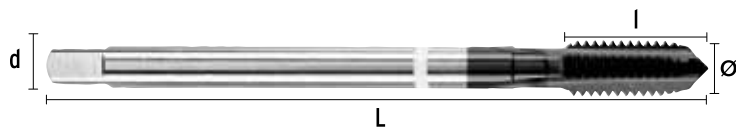
Form.
C

Tol.
6HX

D

Fundición Fonte / Cast Iron

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M8 x 1,25	22,54	90	20	4,90	6,0
M10 x 1,50	27,28	100	22	5,50	7,0
M12 x 1,75	34,34	110	27	7,00	9,0
M14 x 2,00	43,77	110	30	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	50,48	110	30	9,00	12,0
M18 x 2,50	84,73	125	34	11,00	14,0
M20 x 2,50	95,74	140	34	12,00	16,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2133 HSSE DIN 371

M
DIN 13

B-AZ



Tol.
6H



Aluminio

Aluminium

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M3 x 0,50	15,84	56	11	2,70	3,5
M4 x 0,70	15,84	63	13	3,40	4,5
M5 x 0,80	15,84	70	14	4,90	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M6 x 1,00	16,67	80	16	4,90	6,0
M8 x 1,25	19,94	90	18	6,20	8,0
M10 x 1,50	23,50	100	22	8,00	10,0

2132 HSSE DIN 376

M
DIN 13

B-AZ



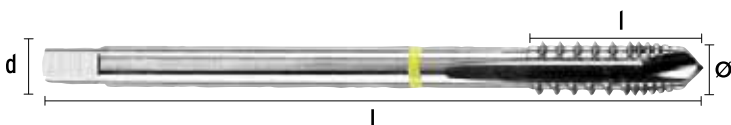
Tol.
6H



Aluminio

Aluminium

Aplicaciones / Applications



Ø x P mm	€	L mm	l mm	mm	d mm
M4 x 0,70	15,84	63	13	2,10	2,8
M5 x 0,80	15,84	70	16	2,70	3,5
M6 x 1,00	16,67	80	18	3,40	4,5
M8 x 1,25	19,94	90	20	4,90	6,0

Ø x P mm	€	L mm	l mm	mm	d mm
M10 x 1,50	23,50	100	22	5,50	7,0
M12 x 1,75	29,65	110	27	7,00	9,0
M14 x 2,00	36,92	110	30	9,00	11,0
M16 x 2,00	48,96	110	30	9,00	12,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2182

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H



Aluminio

Aluminium

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	14,33	56	11	2,70	3,5
M4 x 0,70	14,33	63	13	3,40	4,5
M5 x 0,80	14,62	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	15,87	80	16	4,90	6,0
M8 x 1,25	18,94	90	18	6,20	8,0
M10 x 1,50	22,37	100	27	8,00	10,0

2181

HSSE DIN 376

M
DIN 13

Form.
C



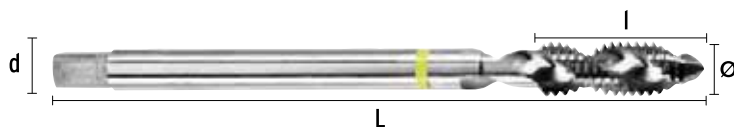
Tol.
6H



Aluminio

Aluminium

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	15,87	80	18	3,40	4,5
M8 x 1,25	18,94	90	20	4,90	6,0
M10 x 1,50	22,37	100	22	5,50	7,0

Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	26,60	110	27	7,00	9,0
M14 x 2,00	38,89	110	30	9,00	11,0
M16 x 2,00	52,44	110	30	9,00	12,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2184

HSSE DIN 371

M
DIN 13

B-AZ



Tol.
6H



Aluminio

Aluminium

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	22,41	56	11	2,70	3,5
M4 x 0,70	23,23	63	13	3,40	4,5
M5 x 0,80	23,51	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	24,36	80	16	4,90	6,0
M8 x 1,25	28,72	90	18	6,20	8,0
M10 x 1,50	33,05	100	22	8,00	10,0

2183

HSSE DIN 376

M
DIN 13

B-AZ



Tol.
6H



Aluminio

Aluminium

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M4 x 0,70	23,23	63	13	2,10	2,8
M5 x 0,80	23,51	70	16	2,70	3,5
M6 x 1,00	24,36	80	18	3,40	4,5
M8 x 1,25	28,72	90	20	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M10 x 1,50	33,05	100	22	5,50	7,0
M12 x 1,75	40,02	110	27	7,00	9,0
M14 x 2,00	48,60	110	30	9,00	11,0
M16 x 2,00	62,47	110	30	9,00	12,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2186

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H



CrN

Aluminio

Aluminium

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	20,91	56	11	2,70	3,5
M4 x 0,70	21,72	63	13	3,40	4,5
M5 x 0,80	22,31	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	23,54	80	16	4,90	6,0
M8 x 1,25	27,73	90	18	6,20	8,0
M10 x 1,50	31,92	100	22	8,00	10,0

2185

HSSE DIN 376

M
DIN 13

Form.
C



Tol.
6H

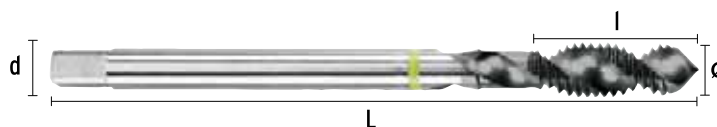


CrN

Aluminio

Aluminium

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	23,54	80	18	3,40	4,5
M8 x 1,25	27,73	90	20	4,90	6,0
M10 x 1,50	31,92	100	22	5,50	7,0

Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	36,95	110	27	7	9,0
M14 x 2,00	50,57	110	30	9	11,0
M16 x 2,00	65,98	110	30	9	12,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE 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



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	9,73	56	11	3,50	3,5
M4 x 0,70	9,93	63	13	3,40	4,5
M5 x 0,80	9,97	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	11,33	80	16	4,90	6,0
M8 x 1,25	14,55	90	18	6,20	8,0
M10 x 1,50	18,76	100	22	8,00	10,0

2191

HSSE DIN 376

M
DIN 13

Form.
E



Tol.
6H

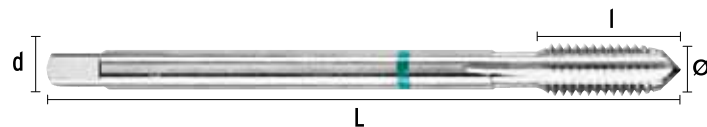


D

Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	11,33	80	18	3,40	4,5
M8 x 1,25	14,55	90	20	4,90	6,0
M10 x 1,50	18,76	100	27	5,50	7,0

Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	25,00	110	27	7,00	9,0
M14 x 2,00	29,40	110	30	9,00	11,0
M16 x 2,00	35,27	110	30	9,00	12,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2192

HSSE DIN 5156

G
ISO 228

Form.
E

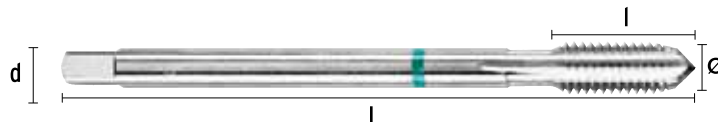


D

Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
G1/8 - 28h	27,97	90	20	5,50	7,0
G1/4 - 19h	42,95	100	22	9,00	11,0
G3/8 - 19h	59,32	100	22	9,00	12,0
G1/2 - 14h	80,05	125	25	12,00	16,0

Ø x P mm	€	L mm	I mm	mm	d mm
G5/8 - 14h	83,64	125	25	14,50	18,0
G3/4 - 14h	117,47	140	28	16,00	20,0
G7/8 - 14h	143,58	150	28	18,00	22,0
G1" - 11h	179,19	160	30	20,00	25,0

2206

HSSE DIN 5156

+0,1

G
ISO 228

Form.
E

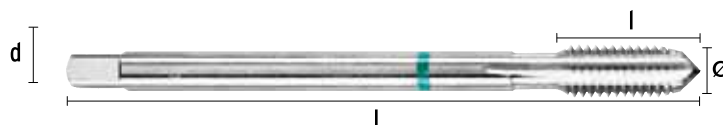


D

Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
G 1/8 - 28h	34,10	90	20	5,50	7,0
G 1/4 - 19h	50,81	100	22	9,00	11,0
G 3/8 - 19h	71,19	100	22	9,00	12,0
G 1/2 - 14h	97,19	125	25	12,00	16,0

Ø x P mm	€	L mm	I mm	mm	d mm
G 5/8 - 14h	101,64	125	25	14,50	18,0
G 3/4 - 14h	140,97	140	28	16,00	20,0
G 7/8 - 14h	166,56	150	28	18,00	22,0
G 1" - 11h	207,86	160	30	20,00	25,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2126

HSSEX DIN 371

ASP
2030

M
DIN 13

Form.
B
"Gun"



Tol.
6H



R

TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel TI F

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	20,72	56	11	2,70	3,5
M4 x 0,70	20,96	63	13	3,40	4,5
M5 x 0,80	22,63	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	23,37	80	16	4,90	6,0
M8 x 1,25	27,98	90	18	6,20	8,0
M10 x 1,50	36,82	100	22	8,00	10,0

2125

HSSEX DIN 376

ASP
2030

M
DIN 13

Form.
B
"Gun"



Tol.
6H



D

TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel TI F

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M8 x 1,25	32,20	90	22	4,90	6,0
M10 x 1,50	40,50	100	22	5,50	7,0
M12 x 1,75	51,20	110	27	7,00	9,0
M14 x 2,00	67,75	110	30	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	73,34	110	30	9,00	12,0
M18 x 2,50	95,72	125	34	11,00	14,0
M20 x 2,50	102,74	140	34	12,00	16,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2124

HSSEX DIN 371

ASP
2030

M
DIN 13

Form.
C



Tol.
6H







TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel

TI F

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	22,43	56	5	2,70	3,5
M4 x 0,70	22,78	63	7	3,40	4,5
M5 x 0,80	24,59	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	25,33	80	10	4,90	6,0
M8 x 1,25	32,65	90	13	6,20	8,0
M10 x 1,50	39,57	100	15	8,00	10,0

2123

HSSEX DIN 376

ASP
2030

M
DIN 13

Form.
C



Tol.
6H





D

TICN

Aceros 800 - 1100 N/mm²

Aciers / Steel

TI F

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M8 x 1,25	33,87	90	13	4,90	6,0
M10 x 1,50	40,40	100	16	5,50	7,0
M12 x 1,75	60,73	110	18	7,00	9,0
M14 x 2,00	73,19	110	20	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	79,28	110	20	9,00	12,0
M18 x 2,50	100,80	125	25	11,00	14,0
M20 x 2,50	107,96	140	25	12,00	16,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2176

HSSEX DIN 371

ASP
2030

M
DIN 13

Form.
D



Tol.
6HX









Aceros 1100 - 1400 N/mm²

Aciers / Steel

TI 1100 N/mm² INOX F PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	29,45	56	5	2,70	3,5
M4 x 0,70	29,45	63	13	3,40	4,5
M5 x 0,80	26,66	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	27,39	80	16	4,90	6,0
M8 x 1,25	32,60	90	18	6,20	8,0
M10 x 1,50	42,71	100	22	8,00	10,0

2175

HSSEX DIN 376

ASP
2030

M
DIN 13

Form.
D



Tol.
6HX









Aceros 1100 - 1400 N/mm²

Aciers / Steel

TI 1100 N/mm² INOX F PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M8 x 1,25	35,84	90	22	4,90	6,0
M10 x 1,50	46,98	100	22	5,50	7,0
M12 x 1,75	59,65	110	27	7,00	9,0
M14 x 2,00	82,62	110	30	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	85,71	110	30	9,00	12,0
M18 x 2,50	124,20	125	34	11,00	14,0
M20 x 2,50	139,95	140	34	12,00	16,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2178

HSSEX DIN 371

ASP
2030

M
DIN 13

Form.
C



Tol.
6HX





R



Aceros 1100 - 1400 N/mm²

Aciers / Steel

TI

1100
N/mm²

INOX

F

PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	25,09	56	5	2,70	3,5
M4 x 0,70	25,09	63	7	3,40	4,5
M5 x 0,80	26,66	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	28,52	80	10	4,90	6,0
M8 x 1,25	32,65	90	13	6,20	8,0
M10 x 1,50	42,71	100	15	8,00	10,0

2177

HSSEX DIN 376

ASP
2030

M
DIN 13

Form.
C



Tol.
6HX





D



Aceros 1100 - 1400 N/mm²

Aciers / Steel

TI

1100
N/mm²

INOX

F

PL

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M8 x 1,25	35,84	90	13	4,90	6,0
M10 x 1,50	46,98	100	16	5,50	7,0
M12 x 1,75	59,60	110	18	7,00	9,0
M14 x 2,00	82,62	110	20	9,00	11,0

Ø x P mm	€	L mm	I mm	mm	d mm
M16 x 2,00	85,66	110	20	9,00	12,0
M18 x 2,50	116,78	125	25	11,00	14,0
M20 x 2,50	130,73	140	25	12,00	16,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2122

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"

Tol.
6H

R

VAP

Aceros inox

Aciers inox / Stainless steel

800 N/mm² 1100 N/mm² TI

Aplicaciones / Applications



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

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	15,99	80	16	4,90	6,0
M8 x 1,25	18,20	90	18	6,20	8,0
M10 x 1,50	21,36	100	22	8,00	10,0

2121

HSSE DIN 376

M
DIN 13

Form.
B
"Gun"

Tol.
6H

D

VAP

Aceros inox

Aciers inox / Stainless steel

800 N/mm² 1100 N/mm² TI

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M4 x 0,70	14,56	63	13	2,10	2,8
M5 x 0,50	14,56	70	16	2,70	3,5
M6 x 1,00	15,99	80	18	3,40	4,5
M8 x 1,25	18,20	90	20	4,90	6,0
M10 x 1,50	21,36	100	22	5,50	7,0

Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	27,84	110	27	7,00	9,0
M14 x 2,00	35,46	110	30	9,00	11,0
M16 x 2,00	41,72	110	30	9,00	12,0
M18 x 2,50	59,19	125	34	11,00	14,0
M20 x 2,50	63,85	140	34	12,00	16,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2120

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H





R

VAP

Aceros inox

Aciers inox / Stainless steel

800 N/mm²

1100 N/mm²

TI

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	15,99	56	5	2,70	3,5
M4 x 0,70	15,99	63	7	3,40	4,5
M5 x 0,80	15,99	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	17,07	80	10	4,90	6,0
M8 x 1,25	20,05	90	13	6,20	8,0
M10 x 1,50	24,47	100	15	8,00	10,0

2119

HSSE DIN 376

M
DIN 13

Form.
C



Tol.
6H





D

VAP

Aceros inox

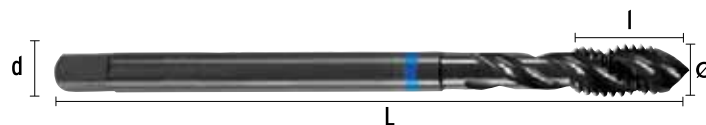
Aciers inox / Stainless steel

800 N/mm²

1100 N/mm²

TI

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	17,07	80	10	3,40	4,5
M8 x 1,25	20,05	90	13	4,90	6,0
M10 x 1,50	24,47	100	16	5,50	7,0
M12 x 1,75	33,09	110	18	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
M14 x 2,00	41,13	110	20	9,00	11,0
M16 x 2,00	49,70	110	20	9,00	12,0
M18 x 2,5	66,80	125	25	11,00	14,0
M20 x 2,5	71,19	140	25	12,00	16,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2219

HSSE DIN 371

M
DIN 13

Form.
B
"Gun"

Tol.
6H

R

TIN

Aceros inox

Aciers inox / Stainless steel

800 N/mm² 1100 N/mm² TI

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	19,11	56	11	2,70	3,5
M4 x 0,70	18,99	63	13	3,40	4,5
M5 x 0,80	18,99	70	14	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	22,18	80	16	4,90	6,0
M8 x 1,25	26,29	90	18	6,20	8,0
M10 x 1,50	30,30	100	22	8,00	10,0

2220

HSSE DIN 376

M
DIN 13

Form.
B
"Gun"

Tol.
6H

D

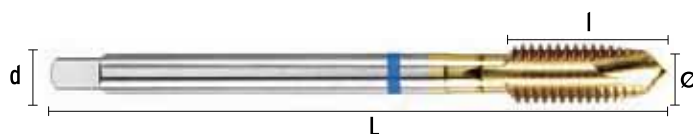
TIN

Aceros inox

Aciers inox / Stainless steel

800 N/mm² 1100 N/mm² TI

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M4 x 0,70	18,99	63	13	2,10	2,8
M5 x 0,50	18,99	70	16	2,70	3,5
M6 x 1,00	22,18	80	18	3,40	4,5
M8 x 1,25	26,29	90	20	4,90	6,0
M10 x 1,50	30,30	100	22	5,50	7,0

Ø x P mm	€	L mm	I mm	mm	d mm
M12 x 1,75	37,71	110	27	7,00	9,0
M14 x 2,00	47,83	110	30	9,00	14,0
M16 x 2,00	55,34	110	30	9,00	12,0
M18 x 2,50	72,80	125	34	11,00	14,0
M20 x 2,50	77,47	140	34	12,00	16,0

MACHOS MÁQUINA ALTO RENDIMIENTO

TARAUDS MACHINE HAUT RENDEMENT / HIGH PERFORMANCE MACHINE TAPS

2221

HSSE DIN 371

M
DIN 13

Form.
C



Tol.
6H





R

TIN

Aceros inox

Aciers inox / Stainless steel

800 N/mm²

1100 N/mm²

TI

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M3 x 0,50	20,54	56	5	2,70	3,5
M4 x 0,70	20,42	63	7	3,40	4,5
M5 x 0,80	20,42	70	8	4,90	6,0

Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	23,26	80	10	4,90	6,0
M8 x 1,25	28,14	90	13	6,20	8,0
M10 x 1,50	33,41	100	15	8,00	10,0

2222

HSSE DIN 376

M
DIN 13

Form.
C



Tol.
6H





D

TIN

Aceros inox

Aciers inox / Stainless steel

800 N/mm²

1100 N/mm²

TI

Aplicaciones / Applications



Ø x P mm	€	L mm	I mm	mm	d mm
M6 x 1,00	23,26	80	10	3,40	4,5
M8 x 1,25	28,14	90	13	4,90	6,0
M10 x 1,50	33,41	100	16	5,50	7,0
M12 x 1,75	42,96	110	18	7,00	9,0

Ø x P mm	€	L mm	I mm	mm	d mm
M14 x 2,00	53,50	110	20	9,00	11,0
M16 x 2,00	63,32	110	20	9,00	12,0
M18 x 2,5	80,42	125	25	11,00	14,0
M20 x 2,5	84,81	140	25	12,00	16,0

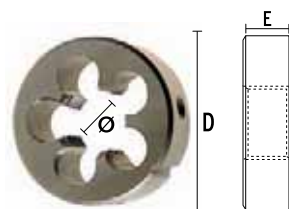
2501 HSS DIN EN 22568

M	MF	Tol.
DIN 13	DIN 13	6g

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
M1,00 x 0,25	41,89	16	5	1
M1,10 x 0,25	69,16	16	5	1
M1,20 x 0,25	64,88	16	5	1
M1,40 x 0,30	59,45	16	5	1
M1,60 x 0,35	56,17	16	5	1
M1,70 x 0,35	56,17	16	5	1
M1,80 x 0,35	56,17	16	5	1
M2,00 x 0,40	23,77	16	5	1
M2,20 x 0,45	55,65	16	5	1
M2,30 x 0,40	23,77	16	5	1
M2,50 x 0,45	23,77	16	5	1
M2,60 x 0,45	23,77	16	5	1
M3,00 x 0,50	20,45	20 / 25*	5 / 9	1
MF3,00 x 0,60	26,55	20 / 25*	5 / 9	1
MF3,50 x 0,60	21,10	20 / 25*	5 / 9	1
MF3,50 x 0,75	68,49	20 / 25*	5	1
MF4,00 x 0,50	25,25	20	5 / 9	1
M4,00 x 0,70	20,45	20 / 25	5 / 9	1
MF4,00 x 0,75	27,56	20 / 25*	9	1
MF4,00 x 0,80	70,40	20 / 25*	9	1
M4,50 x 0,75	27,56	20	7	1
MF5,00 x 0,50	27,85	20 / 25*	5 / 9	1
MF5,00 x 0,75	29,57	20 / 25*	7 / 9	1
M5,00 x 0,80	20,45	20 / 25*	7 / 9	1
MF5,00 x 0,90	29,57	20 / 25*	7	1
MF5,00 x 1,00	68,49	20 / 25*	7	1
MF5,50 x 0,90	68,49	20	7	1
MF6,00 x 0,50	27,10	20	5	1
MF6,00 x 0,75	25,03	20 / 25*	7 / 9	1
M6,00 x 1,00	20,45	20 / 25*	7 / 9	1
MF6,00 x 1,25	70,40	25	7	1
MF7,00 x 0,75	26,39	25	9	1
M7,00 x 1,00	22,29	25	9	1
MF8,00 x 0,50	32,54	25	9	1
MF8,00 x 0,75	26,39	25	9	1
MF8,00 x 1,00	26,39	25 / 38*	9 / 14	1
M8,00 x 1,25	21,35	25 / 38*	9 / 14	1
MF8,00 x 1,50	68,49	25	9	1
MF9,00 x 1,00	29,43	25 / 38*	9 / 14	1
M9,00 x 1,25	31,44	25 / 38*	9 / 14	1
MF10,00 x 0,50	55,50	30	11	1
MF10,00 x 0,75	41,10	30 / 38*	11	1
MF10,00 x 1,00	27,99	30 / 38*	11	1
MF10,00 x 1,25	35,06	30 / 38*	11	1
M10,00 x 1,50	30,49	30 / 38*	11	1
MF11,00 x 0,75	76,00	30 / 38*	11	1
MF11,00 x 1,00	40,89	30 / 38*	11	1
MF11,00 x 1,25	43,81	30 / 38*	11	1
M11,00 x 1,50	40,87	30 / 38*	11	1
MF12,00 x 0,75	47,50	38	10	1
MF12,00 x 1,00	40,87	38	10	1
MF12,00 x 1,25	40,87	38	10	1

Ø x P mm	€	D mm	E mm	
MF12,00x 1,50	36,50	38	10	1
M12,00 x 1,75	33,50	25* / 38	14	1
MF13,00x 0,75	76,00	38	10	1
MF13,00x 1,00	48,05	38	10	1
MF13,00x 1,50	50,11	38	10	1
M13,00 x 1,75	50,11	38	14	1
MF14,00x 0,75	74,66	38	10	1
MF14,00x 1,00	44,85	38	10	1
MF14,00x 1,25	44,55	38	10	1
MF14,00x 1,50	38,17	38	10	1
M14,00 x 2,00	33,50	38	14	1
MF15,00x 1,00	54,47	38	10	1
MF15,00x 1,50	54,47	38	10	1
M15,00 x 2,00	67,15	38	14	1
MF16,00x 1,00	56,69	45	14	1
MF16,00x 1,25	51,54	45	14	1
MF16,00x 1,50	42,49	38* / 45	14	1
M16,00 x 2,00	45,02	38* / 45	14/18	1
MF17,00x 1,00	81,05	45	14	1
MF17,00x 1,25	81,05	45	14	1
MF17,00x 1,50	81,05	45	14	1
MF18,00x 1,00	59,28	45	14	1
MF18,00x 1,25	67,38	45	14	1
MF18,00x 1,50	52,43	45	14	1
MF18,00x 2,00	59,28	45	14	1
M18,00 x 2,50	45,02	45	18	1
MF19,00x 1,00	131,38	45	14	1
MF19,00x 1,25	131,38	45	14	1
MF19,00x 1,50	133,73	45	14	1
MF20,00x 1,00	59,03	45	14	1
MF20,00x 1,25	131,38	45	14	1
MF20,00x 1,50	54,10	45	14	1
MF20,00x 2,00	59,46	45	14	1
M20,00 x 2,50	45,02	45	18	1
MF21,00x 1,00	152,39	45	14	1
MF21,00x 1,25	152,39	45	14	1
MF21,00x 1,50	125,61	45	14	1
MF22,00x 1,00	80,61	55	16	1
MF22,00x 1,25	131,38	55	16	1
MF22,00x 1,50	69,35	55	16	1
MF22,00x 2,00	77,15	55	16	1
M22,00 x 2,50	66,23	55	22	1
MF23,00x 1,50	152,39	55	16	1
MF24,00x 1,00	77,15	55	16	1
MF24,00x 1,25	131,38	55	16	1
MF24,00x 1,50	69,35	55	16	1
MF24,00x 2,00	77,15	55	16	1
M24,00 x 3,00	66,23	55	22	1
MF25,00x 1,00	119,31	55	16	1
MF25,00x 1,50	100,74	55	16	1
MF26,00x 1,00	173,08	55	16	1
MF26,00x 1,50	95,35	55	16	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

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

COJINETES

FILIÈRES / DIES

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

Ø x P mm	€	D mm	E mm	
MF26,00 x 2,00	173,08	55	16	1
MF27,00 x 1,00	106,51	65	18	1
MF27,00 x 1,50	104,87	65	18	1
MF27,00 x 2,00	114,05	65	18	1
M27,00 x 3,00	95,35	65	25	1
MF28,00 x 1,00	173,08	65	18	1
MF28,00 x 1,50	104,87	65	18	1
MF28,00 x 2,00	173,08	65	18	1
MF30,00 x 1,00	117,10	65	18	1
MF30,00 x 1,50	104,85	65	18	1
MF30,00 x 2,00	117,10	65	18	1
M30,00 x 3,50	98,38	65	25	1
MF32,00 x 1,00	176,16	65	18	1
MF32,00 x 1,50	110,80	65	18	1
MF32,00 x 2,00	173,08	65	18	1
MF33,00 x 1,50	104,87	65	18	1
MF33,00 x 2,00	114,19	65	18	1
M33,00 x 3,50	98,38	65	25	1
MF34,00 x 1,50	109,41	65	18	1
MF34,00 x 2,00	245,43	65	18	1
MF35,00 x 1,50	113,49	65	18	1
MF35,00 x 2,00	245,43	65	18	1
MF36,00 x 1,50	107,42	65	18	1
MF36,00 x 2,00	114,19	65	18	1
MF36,00 x 3,00	124,29	65	25	1
M36,00 x 4,00	102,00	65	25	1
MF38,00 x 1,50	162,48	75	20	1
MF38,00 x 2,00	311,02	75	20	1

Ø x P mm	€	D mm	E mm	
MF39,00 x 1,50	163,27	75	20	1
MF39,00 x 2,00	172,40	75	20	1
MF39,00 x 3,00	195,90	75	30	1
M39,00 x 4,00	153,10	75	30	1
MF40,00 x 1,50	169,51	75	20	1
MF40,00 x 2,00	172,40	75	20	1
MF40,00 x 3,00	188,03	75	30	1
MF42,00 x 1,50	222,83	75	20	1
MF42,00 x 2,00	249,09	75	20	1
MF42,00 x 3,00	259,88	75	30	1
M42,00 x 4,50	153,10	75	30	1
MF45,00 x 1,50	222,83	90	22	1
MF45,00 x 2,00	249,09	90	22	1
MF45,00 x 3,00	259,88	90	36	1
M45,00 x 4,50	234,16	90	36	1
MF48,00 x 1,50	224,24	90	22	1
MF48,00 x 2,00	229,23	90	22	1
MF48,00 x 3,00	249,09	90	36	1
M48,00 x 5,00	234,44	90	36	1
MF50,00 x 1,50	222,83	90	22	1
MF52,00 x 1,50	222,83	90	36	1
MF52,00 x 2,00	258,96	90	22	1
MF52,00 x 3,00	282,62	90	36	1
M52,00 x 5,00	234,44	90	36	1
M56,00 x 5,50	418,54	105	36	1
M60,00 x 5,50	418,54	105	36	1
MF63 x 1,50	789,95	105	22	1
M64,00 x 6,00	500,46	120	36	1

2501/5 **HSS DIN EN 22568** Izquierda / A gauche / Left hand

M
DIN 13

MF
DIN 13

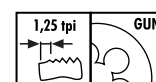
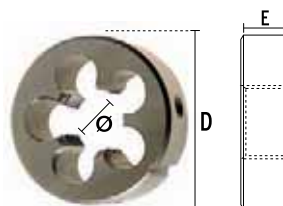
Tol.
6G

LH

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P mm	€	D mm	E mm	
M3 x 0,50	40,89	20 / 25*	5 / 9	1
M4 x 0,70	40,89	20 / 25*	5 / 9	1
M5 x 0,80	40,89	20 / 25*	7 / 9	1
M6 x 1,00	40,89	20 / 25*	7 / 9	1
M7 x 1,00	44,57	25	9	1
MF8 x 1,00	52,77	25	9	1
M8 x 1,25	42,71	25	9	1
MF10 x 1,00	55,99	30	11	1
MF10 x 1,25	70,11	30	11	1
M10 x 1,50	60,97	30 / 38*	11 / 14	1
MF12 x 1,25	81,74	38	10	1
MF12 x 1,50	60,97	38	10	1
M12 x 1,75	67,01	38	14	1
MF14 x 1,50	76,35	38	10	1

Ø x P mm	€	D mm	E mm	
M14 x 2,00	67,00	38	14	1
MF16 x 1,50	84,98	45	14	1
M16 x 2,00	90,04	45	18	1
MF18 x 1,50	104,85	45	14	1
M18 x 2,50	90,04	45	18	1
MF20 x 1,50	108,20	45	14	1
M20 x 2,50	90,04	45	18	1
MF22 x 1,50	138,70	55	16	1
M22 x 2,50	132,46	55	22	1
MF24 x 1,50	138,70	55	16	1
M24 x 3,00	132,46	55	22	1
M27 x 3,00	190,70	65	25	1
M30 x 3,50	196,75	65	25	1

* Hasta fin de existencias / Jusqu'à epuisement des stocks / Until end of stock

2514

HSSE DIN EN 22568

M
DIN 13

MF
DIN 13

Tol.
6G

NIT



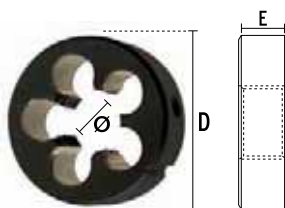


GUN

Aceros 800 - 1100 N/mm²

Aciers / Steel

Aplicaciones / Applications



Ø x P mm	€	D mm	E mm	
M3 x 0,50	32,76	20	5	1
M4 x 0,70	32,76	20	5	1
M5 x 0,80	32,76	20	7	1
M6 x 1,00	32,76	20	7	1
M8 x 1,25	34,23	25	9	1

Ø x P mm	€	D mm	E mm	
M10 x 1,50	48,84	30	11	1
M12 x 1,75	53,69	38	14	1
M14 x 2,00	55,84	38	14	1
M16 x 2,00	74,98	45	18	1

2512

HSSE DIN EN 22568

M
DIN 13

Tol.
6G

VAP





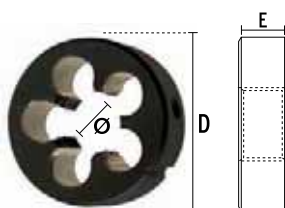
GUN

Aceros inox

Aciers inox / Stainless steel

1100 N/mm²

Aplicaciones / Applications



Ø x P mm	€	D mm	E mm	
M3,00 x 0,50	27,83	20 / 25*	5 / 9	1
M4,00 x 0,70	27,83	20 / 25*	5 / 9	1
M5,00 x 0,80	27,83	20 / 25*	7 / 9	1
M6,00 x 1,00	27,83	20 / 25*	7 / 9	1
M8,00 x 1,25	29,07	25	9	1
M10,00 x 1,50	41,50	30 / 38*	11 / 14	1

Ø x P mm	€	D mm	E mm	
M12,00 x 1,75	45,62	38	14	1
M14,00 x 2,00	46,54	38	14	1
M16,00 x 2,00	62,49	45	18	1
M18,00 x 2,50	62,49	45	18	1
M20,00 x 2,50	62,49	45	18	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

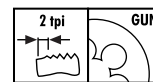
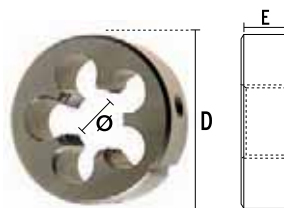
2502 HSS DIN EN 22568

BSW
BS 84

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
W3/32 - 48h	28,16	16	5	1
W1/8 - 40h	22,83	20 / 25*	5 / 9	1
W5/32 - 32h	22,83	20 / 25*	5 / 9	1
W3/16 - 24h	22,83	20 / 25*	7 / 9	1
W7/32 - 24h	22,83	20 / 25*	7 / 9	1
W1/4 - 20h	22,83	20 / 25*	7 / 9	1
W5/16 - 18h	23,81	25 / 38*	9 / 10	1
W3/8 - 16h	34,49	30 / 38*	11 / 14	1
W7/16 - 14h	34,49	30 / 38*	11 / 14	1
W1/2 - 12h	34,49	38	14	1
W9/16 - 12h	41,31	38	14	1
W5/8 - 11h	50,18	45	14 / 18	1

Ø x P	€	D mm	E mm	
W3/4 - 10h	50,17	45	18	1
W7/8 - 9h	73,79	55	22	1
W1" - 8h	73,79	55	22	1
W1" 1/8 - 7h	116,17	65	25	1
W1" 1/4 - 7h	116,17	65	25	1
W1" 3/8 - 6h	118,31	65	25	1
W1" 1/2 - 6h	179,83	75	30	1
W1" 5/8 - 5h	239,02	75	30	1
W1" 3/4 - 5h	300,81	90	36	1
W1" 7/8 - 4,5h	329,12	90	36	1
W2" - 4,5h	313,31	90	36	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

2502/5 HSS DIN EN 22568 Izquierda / A gauche / Left hand

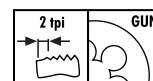
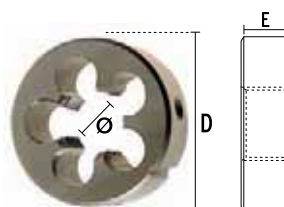
BSW
BS 84



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
W1/8 - 40h	45,66	20 / 25*	5 / 9	1
W5/32 - 32h	45,66	20 / 25*	5 / 9	1
W3/16 - 24h	45,66	20 / 25*	7 / 9	1
W1/4 - 20h	45,66	20 / 25*	7 / 9	1
W5/16 - 18h	47,62	25	9	1
W3/8 - 16h	68,98	30 / 38*	11 / 14	1

Ø x P	€	D mm	E mm	
W7/16 - 14h	68,98	38	11 / 14	1
W1/2 - 12h	68,98	38	14	1
W9/16 - 12h	82,63	38	14	1
W5/8 - 11h	100,37	45	18	1
W7/8 - 9h	147,59	55	22	1
W1" - 8h	147,59	55	22	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

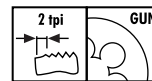
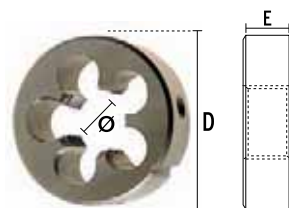
2503 HSS DIN EN 22568

BSF
BS 84

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
BSF3/16 - 32h	103,32	20	7	1
BSF1/4 - 26h	35,98	20	7	1
BSF5/16 - 22h	35,87	25	9	1
BSF3/8 - 20h	62,90	30 / 38*	11 / 14	1
BSF7/16 - 18h	62,90	30 / 38*	11 / 14	1
BSF1/2 - 16h	62,90	38	10	1

Ø x P	€	D mm	E mm	
BSF9/16 - 16h	70,14	38	10	1
BSF5/8 - 14h	88,63	45	14	1
BSF3/4 - 12h	88,63	45	14	1
BSF7/8 - 11h	131,05	55	22	1
BSF1" - 10h	131,05	55	22	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

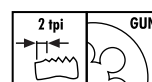
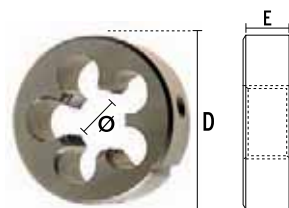
2504 HSS DIN EN 24231

G
ISO 228

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
G1/8 - 28h	36,73	30 / 38*	11 / 10	1
G1/4 - 19h	36,73	38	10	1
G3/8 - 19h	47,50	45	14	1
G1/2 - 14h	47,50	45	14	1
G5/8 - 14h	65,87	55	16	1
G3/4 - 14h	98,45	55	16	1
G7/8 - 14h	103,06	65	18	1

Ø x P	€	D mm	E mm	
G1" - 11h	103,06	65	18	1
G1"1/8 - 11h	146,90	75	20	1
G1"1/4 - 11h	144,58	75	20	1
G1"3/8 - 11h	227,90	90	22	1
G1"1/2 - 11h	221,48	90	22	1
G1"3/4 - 11h	227,90	105	22	1
G2" - 11h	274,29	105	22	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

2504/5 HSS DIN EN 24231 Izquierda / A gauche / Left hand

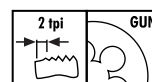
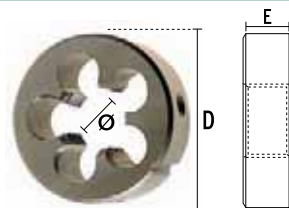
G
ISO 228



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
G1/8 - 28h	73,46	30 / 38*	11/10	1
G1/4 - 19h	73,46	38	10	1
G3/8 - 19h	94,99	45	14	1
G1/2 - 14h	94,99	45	14	1

Ø x P	€	D mm	E mm	
G5/8 - 14h	131,75	55	16	1
G3/4 - 14h	196,91	55	16	1
G7/8 - 14h	206,13	65	18	1
G1" - 11h	206,13	65	18	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

2522

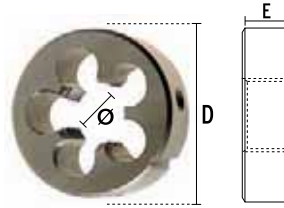
HSS DIN EN 24231



Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P	€	D mm	E mm	
G 1/8 - 28h	43,68	30	11	1
G 1/4 - 19h	43,68	38	10	1
G 3/8 - 19h	56,51	45	14	1
G 1/2 - 14h	56,51	45	14	1

Ø x P	€	D mm	E mm	
G 5/8 - 14h	89,25	55	16	1
G 3/4 - 14h	117,05	55	16	1
G 7/8 - 14h	122,54	65	18	1
G 1" - 11h	122,54	65	18	1

2521

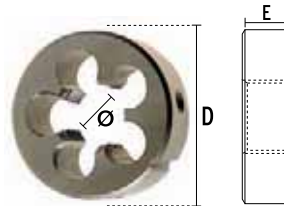
HSS DIN EN 24231



Latón y bronce

Laiton et Bronze / Brass and bronze

Aplicaciones / Applications



Ø x P	€	D mm	E mm	
G 1/8 - 28h	48,04	30	11	1
G 1/4 - 19h	48,04	38	10	1
G 3/8 - 19h	62,16	45	14	1
G 1/2 - 14h	62,16	45	14	1

Ø x P	€	D mm	E mm	
G 5/8 - 14h	124,01	55	16	1
G 3/4 - 14h	128,76	55	16	1
G 7/8 - 14h	156,53	65	18	1
G 1" - 11h	156,53	65	18	1

2505 HSS DIN EN 22568

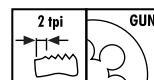
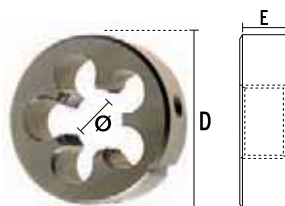
UNC
ANSI/ASME
B1.1

Tol.
2A

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
Nº4 - 40h	29,34	16 / 20*	5 / 5	1
Nº5 - 40h	29,34	20	5	1
Nº6 - 32h	29,34	20	5	1
Nº8 - 32h	29,34	20	7	1
Nº10 - 24h	29,34	20	7	1
Nº12 - 24h	29,34	20	7	1
1/4 - 20h	27,01	20 / 25*	7 / 9	1
5/16 - 18h	26,39	25	9	1
3/8 - 16h	38,88	30 / 38*	11 / 14	1
7/16 - 14h	38,88	30 / 38*	11 / 14	1
1/2 - 13h	40,00	38	14	1

Ø x P	€	D mm	E mm	
9/16 - 12h	41,86	38	14	1
5/8 - 11h	54,93	45	18	1
3/4 - 10h	54,93	45	18	1
7/8 - 9h	71,86	55	22	1
1" - 8h	71,86	55	22	1
1 1/8 - 7h	106,72	65	25	1
1 1/4 - 7h	106,72	65	25	1
1 3/8 - 6h	106,72	65	25	1
1 1/2 - 6h	166,41	75	25	1
1 3/4 - 5h	356,58	90	36	1
2" - 4,5h	361,40	90	36	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

2505/5 HSS DIN EN 22568 Izquierda / A gauche / Left hand

UNC
ANSI/ASME
B1.1

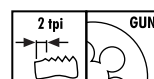
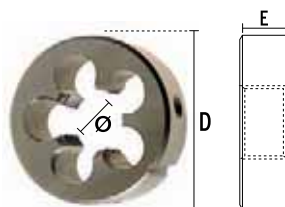
Tol.
2A



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
UNC 1/4 - 20h	54,02	20	7	1
UNC 5/16 - 18h	52,77	25	9	1
UNC 3/8 - 16h	77,75	30	11	1
UNC 7/16 - 14h	77,75	30	11	1
UNC 1/2 - 13h	80,00	38	14	1

Ø x P	€	D mm	E mm	
UNC 9/16 - 12h	83,73	38	14	1
UNC 5/8 - 11h	109,86	45	18	1
UNC 3/4 - 10h	109,86	45	18	1
UNC 7/8 - 9h	143,73	55	22	1
UNC 1" - 7h	143,73	55	22	1

2506 HSS DIN EN 22568

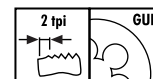
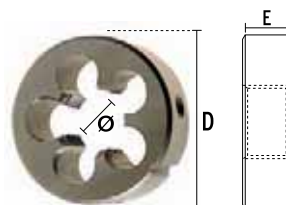
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ANSI/ASME
B1.1

Tol.
2A

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
Nº4 - 48h	29,61	16 / 20*	5 / 5	1
Nº5 - 44h	29,61	20	5	1
Nº6 - 40h	29,61	20	5	1
Nº8 - 36h	29,61	20	5	1
Nº10 - 32h	29,03	20	7	1
Nº12 - 28h	23,45	20	7	1
1/4 - 28h	23,45	20 / 25*	7 / 9	1
5/16 - 24h	27,88	25	9	1
3/8 - 24h	39,12	30 / 38*	11 / 14	1
7/16 - 20h	35,97	30 / 38*	11 / 14	1

Ø x P	€	D mm	E mm	
1/2 - 20h	41,07	38	10	1
9/16 - 18h	44,23	38	10	1
5/8 - 18h	56,52	45	14	1
3/4 - 16h	56,52	45	14	1
7/8 - 14h	75,91	55	16	1
1" - 12h	75,91	55	16	1
1 1/8 - 12h	116,91	65	18	1
1 1/4 - 12h	116,91	65	18	1
1 3/8 - 12h	174,88	65	18	1
1 1/2 - 12h	174,88	75	20	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

2506/5 HSS DIN EN 22568 Izquierda / A gauche / Left hand

UNF
ANSI/ASME
B1.1

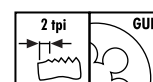
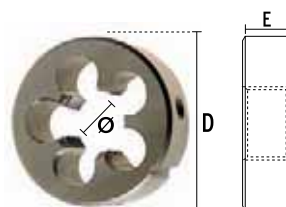
Tol.
2A



Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
UNF 1/4 - 28h	46,90	20	7	1
UNF 5/16 - 24h	55,75	25	9	1
UNF 3/8 - 24h	78,23	30	11	1
UNF 7/16 - 20h	71,93	30	11	1
UNF 1/2 - 20h	82,13	38	10	1

Ø x P	€	D mm	E mm	
UNF 9/16 - 18h	88,46	38	10	1
UNF 5/8 - 18h	113,05	45	14	1
UNF 3/4 - 16h	113,05	45	14	1
UNF 7/8 - 14h	151,83	55	16	1
UNF 1" - 12h	151,83	55	16	1

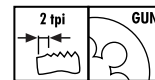
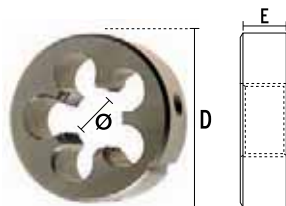
2507 HSS DIN EN 24230

R
DIN 2999

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
R1/8 - 28h	86,45	30	11	1
R1/4 - 19h	86,45	38	14	1
R3/8 - 19h	112,60	45	18	1
R1/2 - 14h	112,60	55	22	1

Ø x P	€	D mm	E mm	
R5/8 - 14h	216,94	55	22	1
R3/4 - 14h	212,60	55	22	1
R7/8 - 14h	283,16	65	22	1
R1" - 11h	226,52	65	25	1

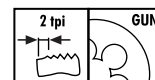
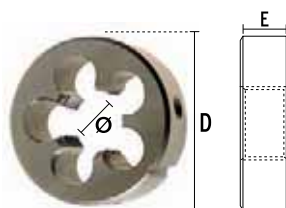
2508 HSS DIN EN 22568

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ANSI/ASME
B1.1
Tol. 2A

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
1/4 - 32h	88,37	20 / 25*	7 / 7	1
5/16 - 32h	88,37	25	9	1
3/8 - 32h	137,22	30 / 38*	11 / 14	1
7/16 - 28h	137,22	30 / 38*	11 / 14	1
1/2 - 28h	137,22	38	10	1

Ø x P	€	D mm	E mm	
9/16 - 24h	137,22	38	10	1
5/8 - 24h	219,92	45	14	1
3/4 - 20h	219,92	45	14	1
1" - 20h	268,79	55	16	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

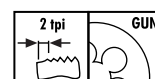
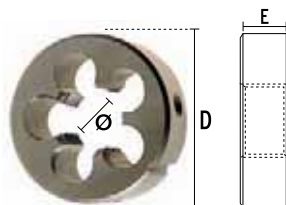
2520 HSS DIN EN 22568

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B1.1
Tol. 2A

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
UN 1"1/8 - 8h	292,43	65	25	1
UN 1"1/4 - 8h	292,43	65	25	1
UN 1"3/8 - 8h	313,70	65	25	1
UN 1"1/2 - 8h	332,02	75	30	1

Ø x P	€	D mm	E mm	
UN 1"5/8 - 8h	418,73	75	30	1
UN 1"3/4 - 8h	509,33	90	36	1
UN 2" - 8h	509,33	90	36	1

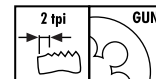
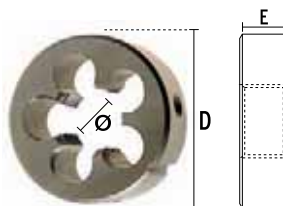
2510 HSS DIN 40434

PG
DIN 40430

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
Pg.7 (12,50 x 20h)	52,49	38	10	1
Pg.9 (15,20 x 18h)	52,49	45	14	1
Pg.11 (18,60 x 18h)	65,74	45	14	1
Pg.13,5 (20,40 x 18h)	65,74	45	14	1
Pg.16 (22,50 x 18h)	84,76	55	16	1

Ø x P	€	D mm	E mm	
Pg.21 (28,30 x 16h)	120,48	65	18	1
Pg.29 (37,00 x 16h)	120,48	65	18	1
Pg.36 (47,00 x 16h)	308,78	90	22	1
Pg.42 (54,00 x 16h)	308,78	105	22	1
Pg.48 (59,30 x 16h)	409,50	105	22	1

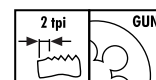
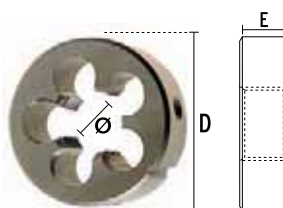
2523 HSS DIN EN 22568

BA
BS 93

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
BA 8 2,2 - 0,43	103,69	16	5	1
BA 7 2,5 - 0,48	103,69	16	5	1
BA 6 2,8 - 0,53	103,69	16	5	1
BA 5 3,2 - 0,59	103,69	20	5	1
BA 4 3,6 - 0,66	103,69	20	5	1

Ø x P	€	D mm	E mm	
BA 3 4,1 - 0,73	103,69	20	5	1
BA 2 4,7 - 0,81	103,69	20	7	1
BA 1 5,3 - 0,9	103,69	20	7	1
BA 0 6 - 1	103,69	20	7	1

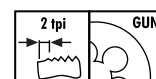
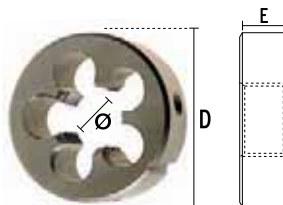
2509 HSS DIN EN 24230

NPT
ANSI/ASME
B1.20.1

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
1/16 - 27h	66,82	25	9	1
1/8 - 27h	55,13	30 / 38*	10 / 11	1
1/4 - 18h	55,13	38	14	1
3/8 - 18h	71,99	45	18	1
1/2 - 14h	71,99	45	18	1

Ø x P	€	D mm	E mm	
3/4 - 14h	131,67	55	22	1
1" - 11,50h	158,31	65	25	1
1"1/4 - 11,05h	196,72	75	26	1
1"1/2 - 11,05h	274,43	90	27	1
2" - 11,05h	382,09	105	28	1

* Hasta fin de existencias / Jusqu'à épuisement des stocks / Until end of stock

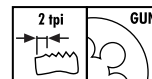
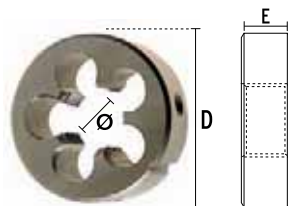
2524 HSS DIN EN 24230

NPTF
ANSI/ASME
B1.20.1

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
NPTF 1/8 - 27	129,67	30	11	1
NPTF 1/4 - 18	129,67	38	14	1
NPTF 3/8 - 18	169,33	45	14	1

Ø x P	€	D mm	E mm	
NPTF 1/2 - 14	169,33	45	18	1
NPTF 3/4 - 14	322,68	55	22	1

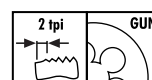
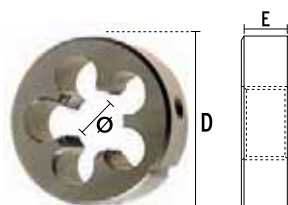
2525 HSS DIN EN 24230

NPS
ANSI/ASME
B1.20.1

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
NPS 1/8 - 27	127,20	30	11	1
NPS 1/4 - 18	127,20	38	10	1
NPS 3/8 - 18	161,83	45	14	1

Ø x P	€	D mm	E mm	
NPS 1/2 - 14	161,83	45	14	1
NPS 3/4 - 14	320,56	55	16	1
NPS 1" - 11,5	320,56	65	18	1

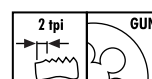
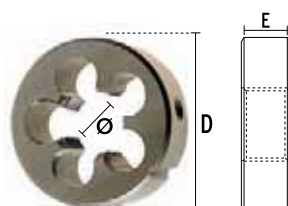
2526 HSS DIN EN 24230

NPSF
ANSI/ASME
B1.20.1

Aceros 400 - 800 N/mm²

Aciers / Steel

Aplicaciones / Applications



PVP = € + 10%

Ø x P	€	D mm	E mm	
NPSF 1/8 - 27	152,63	30	11	1
NPSF 1/4 - 18	152,63	38	10	1
NPSF 3/8 - 18	194,16	45	14	1

Ø x P	€	D mm	E mm	
NPSF 1/2 - 14	194,16	45	14	1
NPSF 3/4 - 14	419,70	55	16	1

ACCESORIOS

ACCESSOIRES / ACCESSORIES

2801 Giramachos / Tourne-à-gauche / Tap turners



Ø	Nº	€	mm	
M1 - M10	1	14,62	2,00 - 6,30	1
M1 - M12	1,50	15,57	2,10 - 8,00	1
M4 - M12	2	19,54	3,00 - 9,00	1
M5 - M20	3	27,82	4,90 - 12,00	1
M10 - M27	4	44,37	5,50 - 16,00	1

Ø	Nº	€	mm	
M13 - M32	5	93,28	7,00 - 20,00	1
M18 - M42	6	93,28	11,00 - 24,00	1
M25 - M52	7	161,72	16,00 - 32,00	1
M45 - M64	8	233,73	25,00 - 64,00	1

2802 Volvedor / Porte-filières / Tap wrench



Ø Ext.	H mm	€	
16,00	5,00	8,10	1
20,00	5,00	8,29	1
20,00	7,00	8,30	1
20,60	6,35	8,29	1
25,00	9,00	9,87	1
25,40	9,50	9,87	1
30,00	11,00	11,12	1
38,00	14,00	14,65	1
38,10	12,70	14,65	1
45,00	14,00	18,21	1
45,00	18,00	18,21	1

Ø Ext.	H mm	€	
50,80	15,90	23,84	1
55,00	16,00	23,84	1
55,00	22,00	23,84	1
65,00	18,00	36,61	1
65,00	25,00	36,61	1
75,00	20,00	58,56	1
75,00	30,00	58,55	1
90,00	22,00	74,17	1
90,00	36,00	74,18	1
105,00	22,00	79,19	1
105,00	36,00	79,20	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	16,93	85	180	2,60 - 5,50	1
M5 - 12	M6 - 12	22,09	110	300	4,60 - 8,00	1
M13 - 20	M14 - 20	85,64	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	27,11	250	250	2,60 - 5,50	1
M5-12	M6-12	32,30	300	440	4,60 - 8,00	1

2805 Extractor / Extracteur



M	Z	€	
M3	3	27,39	1
M4	3	27,39	1
M5	3	27,39	1
M6	3	28,09	1
M8	4, 3	29,61	1

M	Z	€	
M10	4, 3	30,71	1
M12	4, 3	33,08	1
M14	4, 3	45,55	1
M16	4, 3	49,67	1

2808 Alargador / Adaptateur / Extension piece



M Mano T. à main Hand taps	M Máquina T. Machine Machine taps	€	mm	
M1 - 2,60	-	5,30	2,10	1
-	M4	5,30	2,40	1
M3	-	5,30	2,70	1
M3,50	-	5,30	3,00	1
M4	M6	8,30	3,40	1
M4,5	-	8,70	3,80	1
-	M7	9,28	4,30	1
M5 - M6	M8	9,69	4,90	1
M7	M9 - M10	10,14	5,50	1
M8	M11	13,08	6,20	1
M9	M12	13,63	7,00	1

M Mano T. à main Hand taps	M Máquina T. Machine Machine taps	€	mm	
M10	-	15,46	8,00	1
-	M14 - M16	18,27	9,00	1
-	-	22,07	10,00	1
-	M18	25,58	11,00	1
-	M20	27,56	12,00	1
-	-	38,09	13,00	1
-	M22 - M24	43,73	14,50	1
-	M27	46,25	16,00	1
-	M30	52,72	18,00	1
-	M33	70,28	20,00	1

ACCESORIOS

ACCESSOIRES / ACCESSORIES

2834 » Extractor / Extracteur



M	Ø  mm	€	L mm	 mm	
M3 - 6	1,80 - 7,00	1,83	50	2,70	1
M6 - 8	3,20 - 10,00	1,83	57	3,80	1
M8 - 11	4,50 - 13,00	2,17	64	4,90	1
M11 - 14	6,50 - 16,00	2,68	71	7,00	1
M14 - 18	8,50 - 21,00	3,48	79	9,00	1
M18 - 24	12,00	5,59	85	12,00	1
M24 - 33	15,30	8,58	92	14,50	1
M33 - 45	20,00	12,54	100	18,00	1

JUEGOS / JEUX / SETS

M	Nº	€	
M3 - 18	5	13,79	1
M3 - 24	6	19,47	1
M3 - 45	8	40,78	1

2846 / 1151 » Aceite / Huile / Oil



Ref. 2846

Litr.	€	
1l.	21,30	1
5 l.	101,07	1



Ref. 1151

Litr.	€	
52 cl.	17,31	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	74,24
HSSCO	M3-4-5-6-8-10-12	2,50-3,30-4,20-5,00-6,80-8,50-10,20	1,50	126,99
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	128,47

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	-	112,88
2840	M3-4-5-6-8-10-12	2,50-3,30-4,20-5,00-6,80-8,50-10,20	164,77

2824 **M3-12 PVC**

Form.
B
"Gun"

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


7



REF.	€
HSS E	108,83
HSS EX 	216,64
HSS VAP 	140,01
HSS TIN	180,44
ALU 	151,08

2825 **M3-12 PVC**



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


7

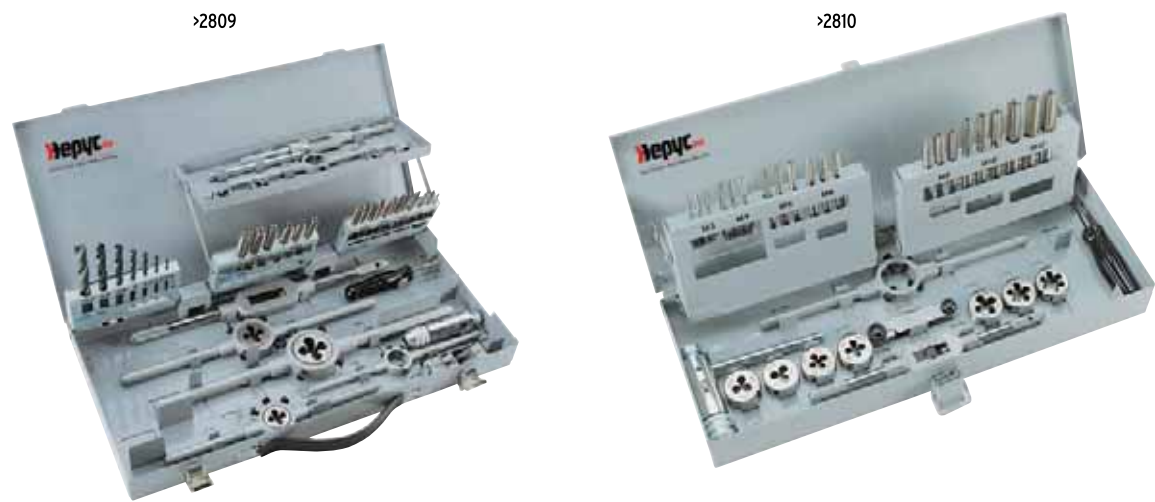


REF.	€
HSS E	112,62
HSS EX 	241,04
HSS VAP 	155,60
HSS TIN	232,13
ALU 	140,85

2809/2810

M3-12

M
DIN 13



Ref.	Machos y cojinetes Tarauds et filières Taps and bearings	Brocas Forets / Drill-bits	Volvedores Porte-filières Tap wrench	Giramachos nº Tourne-à-gauche nº Tap turner nº	Carraca nº Cliquet nº Ratchet nº	€
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	-	278,76
2810	M3-4-5-6-8-10-12	-	25x9	1 - 1/2	1	190,49

2811/2812

M3-20 / M5-20

M
DIN 13



Ref.	Machos y cojinetes Tarauds et filières Taps and bearings	Volvedores Porte-filières Tap wrench	Giramachos nº Tourne-à-gauche nº Tap turner nº	Carraca nº Cliquet nº Ratchet nº	€
2811	M3-4-5-6-8-10-12-14-16-18-20	20x5-20x7-25x9-30x11-38x14-45x18	1 - 3	1 - 2	557,52
2812	M5-6-8-10-12-14-16-18-20	20x7-25x9-30x11-38x14-45x18	1 - 3	1 - 2	529,65

2813/2814 **M3-24 / M5-30**

M
DIN 13

>2813/2814



Ref.	Machos y cojinetes Tarauds et filières Taps and bearings	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	871,12
2814	M5-6-8-10-12-14-16-18-20-22-24-27-30	20x7-25x9-30x11-38x14-45x18-55x22-65x25	3 - 5	1.478,34

2841/2842 **MF3-12 / MF6-20**

MF
DIN 13

>2841



>2842



Ref.	Machos y cojinetes Tarauds et filières Taps and bearings	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	572,05
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	-	959,70

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 bearings	Volvedores Porte-filières Tap wrench	Giramachos n° Tourne-à-gauche n° Tap turner n°	Carraca n° Cliquet n° Ratchet n°	€
2815	W1/8-3/16-1/4-5/16-3/8-7/16-1/2	20x5- 20x7- 25x9-30x11- 38x14	1 - 2	1	457,16
2816	W1/4-5/16-3/8-7/16-1/2	20x7-25x9-30x11-38x14-45x18-55x2	1 - 2	1	387,48
2817	W1/4-5/16-3/8-7/16-1/2-5/8-3/4-7/8-1"	20x5-20x7-25x9-30x11-38x14-45x18	1 - 4	-	1.068,58

2843/2818 **UNC1/4-1", UNF1/4-1"**

UNC
ANSI/ASME
B1.1

UNF
ANSI/ASME
B1.1

>2843/2818



Ref.	Machos y cojinetes Tarauds et filières Taps and bearings	Volvedores Porte-filières Tap wrench	Giramachos n° Tourne-à-gauche n° Tap turner n°	€
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	1.539,16
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	975,65

2819/2820 **BSP1/8-1", BSP1/4-1"1/2**

G
ISO 228

>2819



>2820



Ref.	Machos y cojinetes Tarauds et filières Taps and bearings	Volvedores Porte-filières Tap wrench	Giramachos n° Tourne-à-gauche n° Tap turner n°	€
2819	BSP1/8-1/4-3/8-1/2-3 4-1"	30x11-38x10-45x14-65x18	1 - 3 - 5	752,65
2820	BSP1/4-3/8-1/2-3/4-1"-1"1/4-1" 1/2	38x10-45x14-65x18-75x20-90x22	2 - 4 - 7	1.756,18

MACHOS MAQUINA PARA INSERTOS

TARAUDS MACHINE POUR INSERTS / MACHINE TAPS FOR 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	11,33	44,50	9,50	2,24	3	2,8
M2,20 x 0,45	11,33	44,50	9,50	2,24	3	2,8
M2,50 x 0,45	11,33	48	11	2,50	3	3,2
M3,00 x 0,50	7,35	53	13	3,15	3	4,0
M3,50 x 0,60	7,35	53	13	3,55	3	4,5
M4,00 x 0,70	8,93	58	16	4,00	3	5,0
M5,00 x 0,80	9,23	66	19	5,00	3	6,3
M6,00 x 1,00	9,23	72	22	6,30	3	8,0
M7,00 x 1,00	14,85	72	22	7,10	3	9,0
M8,00 x 1,00	14,85	80	24	8,00	3	10,0
M8,00 x 1,25	12,75	80	24	8,00	3	10,0
M9,00 x 1,25	18,45	85	25	6,30	3	8,0
M10,00 x 1,00	18,00	85	25	6,30	3	8,0
M10,00 x 1,25	18,00	85	25	6,30	3	8,0
M10,00 x 1,50	16,58	89	29	7,10	3	9,0
M11,00 x 1,50	21,15	89	29	7,10	3	9,0
M12,00 x 1,00	25,73	95	30	9,00	3	11,2
M12,00 x 1,25	25,73	95	30	9,00	3	11,2
M12,00 x 1,50	25,73	95	30	9,00	3	11,2
M12,00 x 1,75	18,23	95	30	9,00	3	11,2

Ø x P mm	€	L mm	I mm	mm	Z	d mm
M14,00 x 1,25	30,15	102	32	10,00	3	10,0
M14,00 x 1,50	30,15	102	32	10,00	3	10,0
M14,00 x 1,75	30,15	102	32	10,00	3	10,0
M14,00 x 2,00	25,27	102	32	10,00	3	10,0
M15,00 x 1,50	31,70	102	32	10,00	3	10,0
M15,00 x 2,00	31,70	112	37	11,20	3	11,2
M16,00 x 2,00	31,70	112	37	11,20	4	14,0
M18,00 x 1,50	31,70	104	29	11,20	4	11,2
M18,00 x 2,00	39,64	104	29	11,20	4	14,0
M18,00 x 2,50	39,64	118	38	12,50	4	16,0
M20,00 x 1,50	43,97	113	33	12,50	4	16,0
M20,00 x 2,00	43,97	113	33	12,50	4	16,0
M20,00 x 2,50	43,97	118	38	12,50	4	16,0
M22,00 x 1,50	49,68	120	35	14,00	4	18,0
M22,00 x 2,00	49,68	120	35	14,00	4	18,0
M22,00 x 2,50	49,68	130	45	14,00	4	18,0
M24,00 x 1,50	62,61	120	35	14,00	4	18,0
M24,00 x 2,00	62,61	127	37	16,00	4	20,0
M24,00 x 3,00	62,61	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	18,60	48	9,50	2,50	3,2
UNC No.4 x 40	18,60	53	13	3,15	4,0
UNC No.6 x 32	18,60	58	16	4,00	5,0
UNC No.8 x 32	18,60	62	17	4,50	5,6
UNC No.10 x 24	12,45	66	19	5,00	6,3
UNC No.12 x 24	12,45	66	19	5,60	7,1
UNC 1/4 x 20	12,45	72	22	6,30	8,0
UNC 5/16 x 18	13,13	80	24	8,00	10,0
UNC 3/8 x 16	14,18	85	25	6,30	8,0

Ø x P mm	€	L mm	I mm	mm	d mm
UNC 7/16 x 14	20,03	95	30	9,00	11,2
UNC 1/2 x 13	21,53	102	32	10,00	12,5
UNC 9/16 x 12	33,45	112	37	11,20	14,0
UNC 5/8 x 11	40,13	112	37	11,20	14,0
UNC 11/16 x 11	53,40	112	37	11,20	14,0
UNC 3/4 x 10	53,40	118	38	12,50	16,0
UNC 7/8 x 9	61,80	130	45	14,00	18,0
UNC 1" x 8	61,80	138	48	16,00	20,0

MACHOS MAQUINA PARA INSERTOS

TARAUDS MACHINE POUR INSERTS / MACHINE TAPS FOR 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	I mm	Ø mm	d mm
UNF No.4 x 48	18,60	53	13	3,15	4,0
UNF No.6 x 40	18,60	53	13	3,55	4,5
UNF No.8 x 36	18,60	62	17	4,50	5,6
UNF No.10x 32	12,45	66	19	5,00	6,3
UNF 1/4 x 28	12,45	69	19	6,30	8,0
UNF 5/16 x 24	13,13	76	20	8,00	10,0
UNF 3/8 x 24	14,18	82	22	6,30	8,0
UNF 7/16 x 20	20,03	84	24	7,10	9,0

Ø x P mm	€	L mm	I mm	Ø mm	d mm
UNF 1/2 x 20	21,53	90	25	9,00	11,2
UNF 9/16 x 18	33,45	104	29	10,00	12,5
UNF 5/8 x 18	40,13	104	29	11,20	12,5
UNF 3/4 x 16	53,40	104	29	11,20	14,0
UNF 7/8 x 14	61,80	120	35	14,00	18,0
UNF 1" x 14	61,80	127	37	16,00	20,0
UNF 1" x 12	61,80	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	I mm	Ø mm	d mm
BSW 1/8 x 40	12,45	53	13	3,15	4,0
BSW 3/16 x 24	12,45	66	19	5,00	6,3
BSW 1/4 x 20	12,45	72	22	6,30	8,0
BSW 5/16 x 18	13,13	80	24	8,00	10,0
BSW 3/8 x 16	14,18	85	25	6,30	8,0
BSW 7/16 x 14	20,03	95	30	9,00	11,2
BSW 1/2 x 12	21,53	102	32	10,00	12,5

Ø x P mm	€	L mm	I mm	Ø mm	d mm
BSW 9/16 x 12	33,45	102	32	10,00	12,5
BSW 5/8 x 11	40,13	112	37	11,20	14,0
BSW 11/16x 11	53,40	112	37	11,20	14,0
BSW 3/4 x 10	53,40	118	38	12,50	12,5
BSW 7/8 x 9	61,80	130	45	14,00	18,0
BSW 1" x 8	61,80	138	48	16,00	20,0

INSERTOS ROSCADOS EN ACERO INOXIDABLE

FILETS RAPPORTES EN ACIER INOX / STAINLESS STEEL WIRE THREAD INSERTS

2705 **DIN 8140**

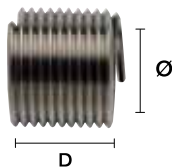
M
DIN 13

Tol.
6H

Aceros 400 - 800 N/mm²

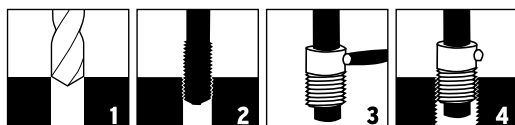
Aciers / Steel

Aplicaciones / Applications



Ø x P mm	1,0D €	1,5D €	2,0D €	2,5D €*	3,0D €*	
M2,00 x 0,40	0,32	0,34	0,35	0,37	0,42	10
M2,20 x 0,45	0,30	0,32	0,34	0,35	0,30	10
M2,50 x 0,45	0,27	0,29	0,30	0,32	0,35	10
M3,00 x 0,50	0,24	0,25	0,27	0,32	0,35	10
M3,50 x 0,60	0,30	0,32	0,34	0,35	0,39	10
M4,00 x 0,70	0,24	0,25	0,27	0,30	0,34	10
M5,00 x 0,80	0,24	0,29	0,30	0,30	0,34	10
M6,00 x 1,00	0,24	0,25	0,27	0,30	0,34	10
M7,00 x 1,00	0,27	0,29	0,30	0,37	0,42	10
M8,00 x 1,00	0,29	0,32	0,39	0,54	0,64	10
M8,00 x 1,25	0,27	0,32	0,37	0,47	0,56	10
M9,00 x 1,25	0,41	0,47	0,57	0,71	0,83	10
M10,00 x 1,00	0,30	0,37	0,49	0,69	0,83	10
M10,00 x 1,25	0,30	0,37	0,49	0,69	0,83	10
M10,00 x 1,50	0,30	0,37	0,49	0,61	0,73	10
M11,00 x 1,50	0,42	0,66	0,88	1,20	1,49	10
M12,00 x 1,00	0,37	0,59	0,79	1,20	1,49	10
M12,00 x 1,25	0,37	0,59	0,79	1,20	1,49	10
M12,00 x 1,50	0,37	0,59	0,79	1,20	1,49	10
M12,00 x 1,75	0,37	0,59	0,79	1,06	1,32	10
M14,00 x 1,00	0,91	1,16	1,49	1,84	2,11	10
M14,00 x 1,25	0,91	1,16	1,49	1,84	2,11	10
M14,00 x 1,50	0,91	1,16	1,49	1,84	2,11	10
M14,00 x 2,00	0,91	1,16	1,49	1,84	2,11	10
M16,00 x 1,50	1,23	1,52	1,89	2,28	2,68	10
M16,00 x 2,00	1,23	1,52	1,89	2,28	2,70	10
M18,00 x 1,50	1,67	2,18	2,65	3,14	3,61	10
M18,00 x 2,00	1,67	2,18	2,67	3,14	3,59	10
M18,00 x 2,50	1,67	2,19	2,65	3,14	3,59	10
M20,00 x 1,50	2,01	2,63	3,19	4,12	4,74	10
M20,00 x 2,00	2,01	2,63	3,19	4,12	4,74	10
M20,00 x 2,50	2,01	2,63	3,19	4,12	4,74	10
M22,00 x 1,50	2,78	3,49	4,30	5,59	6,50	5
M22,00 x 2,00	2,78	3,49	4,30	5,59	6,50	5
M22,00 x 2,50	2,78	3,49	4,30	5,59	6,50	5
M24,00 x 1,50	3,49	4,56	5,54	-	-	5
M24,00 x 2,00	3,49	4,56	5,54	-	-	5
M24,00 x 3,00	3,49	4,56	5,54	-	-	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 EN ACERO INOXIDABLE

FILETS RAPPORTES EN ACIER INOX / STAINLESS STEEL WIRE THREAD INSERTS

2706 **DIN 8140**

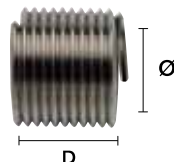
UNC
ANSI/ASME
B1.1

Tol.
2B

Aceros 400 - 800 N/mm²

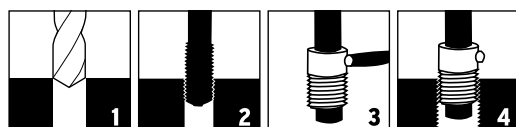
Aciers / Steel

Aplicaciones / Applications



Ø x P mm	1,0D €	1,5D €	2,0D €	2,5D €*	3,0D €*	
UNC N° 2 x 56	0,54	0,47	0,66	0,71	0,78	10
UNC N° 4 x 40	0,42	0,37	0,47	0,56	0,61	10
UNC N° 5 x 40	0,46	0,42	0,52	0,61	0,68	10
UNC N° 6 x 32	0,42	0,37	0,47	0,56	0,61	10
UNC N° 8 x 32	0,42	0,37	0,47	0,57	0,66	10
UNC N° 10 x 24	0,42	0,46	0,47	0,57	0,66	10
UNC N° 12 x 24	0,47	0,49	0,57	0,56	0,61	10
UNC 1/4 x 20	0,42	0,37	0,47	0,59	0,59	10
UNC 5/16 x 18	0,47	0,46	0,56	0,91	0,98	10
UNC 3/8 x 16	0,54	0,54	0,86	1,18	1,42	10
UNC 7/16 x 14	0,62	0,62	1,01	1,42	1,69	10
UNC 1/2 x 13	0,68	0,84	1,38	2,04	2,53	10
UNC 9/16 x 12	1,28	1,43	2,40	2,95	3,43	5
UNC 5/8 x 11	1,74	1,86	3,05	3,66	4,34	5
UNC 3/4 x 10	2,35	2,68	4,29	5,05	5,81	5
UNC 7/8 x 9	3,73	3,56	5,77	6,83	7,95	5
UNC 1" x 8	4,69	4,64	7,44	9,72	11,17	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 EN ACERO INOXIDABLE

FILETS RAPPORTES EN ACIER INOX / STAINLESS STEEL WIRE THREAD INSERTS

2707 **DIN 8140**

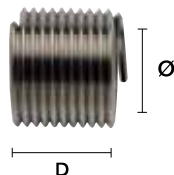
UNF
ANSI/ASME
B1.1

Tol.
2B

Aceros 400 - 800 N/mm²

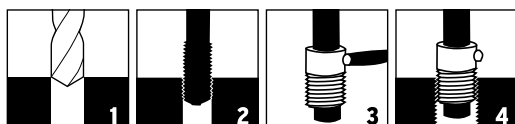
Aciers / Steel

Aplicaciones / Applications



Ø x P mm	1,0D €	1,5D €	2,0D €	2,5D € *	3,0D € *	
UNF 4 x 48	0,42	0,37	0,47	0,56	0,61	10
UNF 6 x 40	0,42	0,37	0,47	0,56	0,61	10
UNF 8 x 36	0,47	0,37	0,52	0,57	0,66	10
UNF 10 x 32	0,42	0,37	0,47	0,59	0,66	10
UNF 1/4 x 28	0,42	0,37	0,47	0,57	0,66	10
UNF 5/16 x 24	0,47	0,47	0,68	0,91	1,08	10
UNF 3/8 x 24	0,54	0,54	0,86	1,18	1,42	10
UNF 7/16 x 20	0,62	0,62	1,01	1,40	1,69	10
UNF 1/2 x 20	0,66	0,84	1,38	2,04	2,53	10
UNF 9/16 x 18	1,35	1,43	2,40	2,95	3,43	5
UNF 5/8 x 18	1,81	1,86	3,05	3,66	4,34	5
UNF 3/4 x 16	2,46	2,68	4,29	5,05	5,81	5
UNF 7/8 x 14	3,73	3,56	5,77	6,83	7,95	5
UNF 1" x 12	4,69	4,64	7,44	9,72	11,17	5
UNF 1" 1/8 x 12	7,85	7,80	11,83	-	-	5
UNF 1" 1/4 x 12	8,67	13,47	-	-	-	5
UNF 1" 3/8 x 12	10,29	9,69	-	-	-	5
UNF 1" 1/2 x 12	10,85	11,71	-	-	-	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 EN ACERO INOXIDABLE

FILETS RAPPORTES EN ACIER INOX / STAINLESS STEEL WIRE THREAD INSERTS

2708 **DIN 8140**

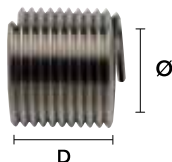
BSW
BS 84

Tol.
2B

Aceros 400 - 800 N/mm²

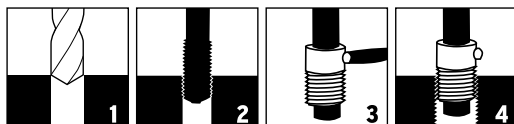
Aciers / Steel

Aplicaciones / Applications



Ø x P mm	1,0D €	1,5D €	2,0D €	2,5D € *	3,0D € *	
BSW 1/8 x 48	0,52	0,42	0,57	0,61	0,68	10
BSW 3/16 x 24	0,47	0,37	0,52	0,61	0,68	10
BSW 1/4 x 20	0,47	0,37	0,52	0,64	0,73	10
BSW 5/16 x 18	0,52	0,47	0,74	1,01	1,18	10
BSW 3/8 x 16	0,59	0,54	0,95	1,28	1,55	10
BSW 7/16 x 14	0,68	0,62	1,11	1,55	1,86	10
BSW 1/2 x 12	0,66	1,01	1,38	2,23	2,77	10
BSW 9/16 x 12	1,49	1,60	2,40	3,24	3,75	5
BSW 5/8 x 11	1,99	1,86	3,05	4,02	4,74	5
BSW 3/4 x 10	2,72	2,68	3,61	4,67	6,38	5
BSW 7/8 x 9	3,39	2,85	5,25	6,80	7,93	5
BSW 1" x 8	4,27	3,71	6,77	8,84	10,16	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

2709 » Insertador / Appareil de pose manuel / Insert Tool



nº	M	UNC/UNF/BSW/BSF		€
2	M 2,00 x 0,40 M 2,20 x 0,45	UNC Nº 2	1	21,38
3	M 2,50 x 0,45		1	21,38
4	M 3,00 x 0,50	UNC Nº 5, UNC/UNF Nº 4, BSW 18	1	16,13
5	M 3,50 x 0,60	UNC/UNF Nº 6	1	16,13
6	M 4,00 x 0,70	UNC, UNF Nº 8	1	16,13
7		BSW 3/16, UNC Nº 10	1	16,13
8	M 5,00 x 0,80	UNF Nº 10, UNC Nº 12, BSF 3/16	1	16,13
9	M 6,00 x 1,00	UNC, UNF 1/4, BSW, BSF 1/4	1	16,13
10	M 7,00 x 1,00		1	16,13
11	M 8,00 x 1,00 M 8,00 x 1,25	UNF, BSF 5/16 UNC, BSW 5/16	1	16,13
12	M 9,00 x 1,00 M 9,00 x 1,25		1	16,13
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	1	16,13
14	M 11,00 x 1,25 M 11,00 x 1,50	UNC, UNF 7/16, BSW, BSF 7/16	1	17,21
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	19,31
16	M 14,00 x 1,50 M 14,00 x 2,00	UNC, UNF 9/16, BSW, BSF 9/16	1	21,49
17	M 14,00 x 1,00 M 14,00 x 1,25		1	21,49
18	M 16,00 x 1,50 M 16,00 x 2,00	UNC, UNF 5/8, BSW, BSF 5/8	1	21,49
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	26,81
21	M 20,00 x 1,50 M 20,00 x 2,00 M 20,00 x 2,50	UNF 3/4	1	26,81
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	1	26,81
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	42,98

2710 Rompe Arrastre / Rupteur / Tang break tool



nº	M	UNC/UNF/BSW/BSF		€
2	M 2,00 x 0,40 M 2,20 x 0,45	UNC Nº 2	1	5,10
3	M 2,50 x 0,45		1	5,10
4	M 3,00 x 0,50	UNC, UNF Nº 4	1	5,10
5	M 3,50 x 0,60	UNC, UNF Nº 6	1	5,10
6	M 4,00 x 0,70	UNC Nº 10, UNC/UNF Nº 8, BSF 3/16	1	5,10
8	M 5,00 x 0,80		1	6,41
9	M 6,00 x 1,00	UNC/UNF 1/4, BSW/BSF 1/4	1	6,41
11	M 7,00 x 1,00 M 8,00 x 1,00 M 8,00 x 1,25	UNC/UNF 5/16, BSW/BSF 5/16	1	8,36
12	M 9,00 x 1,00 M 9,00 x 1,25	BSF 3/8	1	8,36
13	M 10,00 x 1,00 M 10,00 x 1,25 M 10,00 x 1,50	UNF 3/8 UNC, BSW 3/8	1	8,36
14	M 11,00 x 1,25 M 11,00 x 1,50	UNC/UNF 7/16, BSW/BSF 7/16	1	8,36
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	8,36

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	52,53
M2,50 x 0,45	2,60	No. 3	No. 3	10	52,06
M3 x 0,50	3,20	No. 4	No. 4	10	42,63
M3,50 x 0,60	3,70	No. 5	No. 5	10	43,31
M4 x 0,70	4,20	No. 6	No. 6	10	44,30
M5 x 0,80	5,20	No. 8	No. 8	10	46,82
M6 x 1,00	6,30	No. 9	No. 9	10	46,86
M7 x 1,00	7,30	No. 10	No. 11	10	55,42
M8 x 1,25	8,30	No. 11	No. 11	10	54,50
M8 x 1,00	8,30	No. 11	No. 11	10	56,60
M9 x 1,25	9,30	No. 12		10	54,15
M10 x 1,50	10,40	No. 13		10	52,40
M10 x 1,25	10,30	No. 13		10	53,82
M10 x 1,00	10,30	No. 13		10	53,82
M11 x 1,50	11,40	No. 14		5	58,95
M12 x 1,75	12,40	No. 15		5	59,06
M12 x 1,50	12,40	No. 15		5	66,56
M12 x 1,25	12,30	No. 15		5	66,56
M12 x 1,00	12,30	No. 15		5	66,56
M14 x 2,00		No. 16		5	58,39
M14 x 1,50		No. 16		5	67,96
M14 x 1,25		No. 17		5	67,96
M14 x 1,00		No. 17		5	67,96
M16 x 2,00		No. 18		5	71,28
M16 x 1,50		No. 18		5	71,28
M18 x 2,50		No. 20		5	87,92
M18 x 2,00		No. 20		5	87,92
M18 x 1,50		No. 20		5	87,92
M20 x 2,50		No. 21		5	94,44
M20 x 2,00		No. 21		5	94,44
M20 x 1,50		No. 21		5	94,44
M22 x 2,50		No. 22		5	104,46
M22 x 2,00		No. 22		5	104,46
M22 x 1,50		No. 22		5	104,46
M24 x 3,00		No. 23		5	138,86
M24 x 2,00		No. 23		5	138,86
M24 x 1,50		No. 23		5	138,86

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	61,15
No. 4 x 40	3,10	No. 4	No. 4	10	54,92
No. 6 x 32	3,80	No. 5	No. 5	10	55,06
No. 8 x 32	4,40	No. 6	No. 6	10	55,25
No. 10 x 24	5,20	No. 7	No. 6	10	50,42
No. 12 x 24	5,80	No. 8	No. 8	10	52,14
1/4 x 20	6,70	No. 9	No. 9	10	51,59
5/16 x 18	8,30	No. 11	No. 11	10	56,22
3/8 x 16	9,90	No. 13	No. 13	10	51,07
7/16 x 14	11,60	No. 14		5	58,02
1/2 x 13	13,00	No. 15		5	62,92
9/16 x 12		No. 16		5	72,61
5/8 x 11		No. 18		5	81,39
3/4 x 10		No. 20		5	104,13
7/8 x 9		No. 22		5	116,92
1" x 8		No. 23		4	138,48

2713 Kits / Kits

UNF
ANSI/ASME
B1.1



Ø x P				1,5D	€
No. 4 x 48	3,00	No. 4	No. 4	10	56,76
No. 6 x 40	3,80	No. 5	No. 5	10	57,16
No. 8 x 36	4,40	No. 6	No. 6	10	57,35
No. 10 x 32	5,10	No. 8	No. 8	10	52,83
1/4 x 28	6,70	No. 9	No. 9	10	53,69
5/16 x 24	8,30	No. 11	No. 11	10	58,49
3/8 x 24	9,80	No. 13	No. 13	10	53,17
7/16 x 20	11,50	No. 14		5	67,01
1/2 x 20	13,00	No. 15		5	73,42
9/16 x 18		No. 16		5	83,11
5/8 x 18		No. 18		5	91,89
3/4 x 16		No. 21		5	135,63
7/8 x 14		No. 22		5	148,42
1" x 12		No. 23		4	169,98

FILETS RAPPORTES / WIRE THREAD INSERTS

BSW
BS 84

 Ø x P				 1,5D	€
1/8 x 40	3,40	No. 4	No. 4	10	51,43
3/16 x 24	5,00	No. 8	No. 8	10	53,69
1/4 x 20	6,70	No. 9	No. 9	10	53,69
5/16 x 18	8,30	No. 11	No. 11	10	58,49
3/8 x 16	9,90	No. 13	No. 13	10	53,17
7/16 x 14	11,50	No. 14		5	67,01
1/2 x 12	13,00	No. 15		5	74,27
9/16 x 12		No. 16		5	83,95
5/8 x 11		No. 18		5	91,89
3/4 x 10		No. 20		5	135,63
7/8 x 9		No. 22		5	144,87
1" x 8		No. 23		4	165,34

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
				€ 331,03

2901/1 **DIN ISO 1502**

PASA
NO
PASA

CTPNP

M
DIN 13

MF
DIN 13

Tol.
6H



Ø x P mm	€	
M1,00 x 0,25	349,29	1
M1,10 x 0,25	349,29	1
M1,20 x 0,25	334,76	1
M1,40 x 0,30	301,13	1
M 1,60 x 0,35	286,59	1
M 1,80 x 0,35	254,67	1
M 2,00 x 0,40	254,67	1
M 2,20 x 0,45	235,58	1
M 2,50 x 0,45	223,89	1
M 3,00 x 0,50	114,71	1
MF 4,00 x 0,50	213,34	1
M 4,00 x 0,70	143,28	1
M 4,50 x 0,75	143,28	1
MF 5,00 x 0,50	237,90	1
M 5,00 x 0,80	110,32	1
MF 6,00 x 0,50	233,63	1
MF 6,00 x 0,75	154,97	1
M 6,00 x 1,00	108,18	1
M 7,00 x 1,00	109,25	1
MF 8,00 x 0,50	237,90	1
MF 8,00 x 0,75	143,38	1
MF 8,00 x 1,00	134,85	1
M 8,00 x 1,25	110,32	1
M 9,00 x 1,25	128,51	1
MF 10,00 x 0,50	251,01	1
MF 10,00 x 0,75	147,28	1
MF 10,00 x 1,00	139,73	1
MF 10,00 x 1,25	149,72	1
M 10,00 x 1,50	115,65	1
MF 12,00 x 0,50	267,26	1

Ø x P mm	€	
MF 12,00 x 0,75	153,38	1
MF 12,00 x 1,00	148,50	1
MF 12,00 x 1,25	155,81	1
MF 12,00 x 1,50	121,19	1
M 12,00 x 1,75	121,19	1
MF 14,00 x 1,00	154,59	1
MF 14,00 x 1,25	164,59	1
MF 14,00 x 1,50	144,60	1
M 14,00 x 2,00	127,80	1
MF 16,00 x 1,00	162,15	1
MF 16,00 x 1,50	149,72	1
M 16,00 x 2,00	134,20	1
MF 18,00 x 1,00	167,03	1
MF 18,00 x 1,50	155,81	1
M 18,00 x 2,50	141,88	1
MF 20,00 x 1,00	175,80	1
MF 20,00 x 1,50	164,59	1
MF 20,00 x 2,00	164,59	1
M 20,00 x 2,50	170,93	1
MF 22,00 x 1,00	190,91	1
MF 22,00 x 1,50	177,02	1
M 22,00 x 2,50	178,24	1
MF 24,00 x 1,00	202,13	1
MF 24,00 x 1,50	187,01	1
MF 24,00 x 2,00	187,01	1
M 24,00 x 3,00	195,79	1
MF 25,00 x 1,00	205,78	1
MF 25,00 x 1,50	190,91	1
MF 25,00 x 2,00	190,91	1
MF 27,00 x 1,00	215,78	1

Ø x P mm	€	
MF 27,00 x 1,50	199,44	1
MF 27,00 x 2,00	199,44	1
M 27,00 x 3,00	213,34	1
MF 30,00 x 1,00	239,42	1
MF 30,00 x 1,50	219,43	1
MF 30,00 x 2,00	219,43	1
MF 30,00 x 3,00	239,42	1
M 30,00 x 3,50	230,64	1
MF 32,00 x 1,00	239,42	1
MF 32,00 x 1,50	221,87	1
MF 32,00 x 2,00	221,87	1
MF 33,00 x 1,00	243,08	1
MF 33,00 x 1,50	226,99	1
MF 33,00 x 2,00	226,99	1
MF 33,00 x 3,00	243,08	1
M 33,00 x 3,50	248,19	1
MF 36,00 x 1,00	258,19	1
MF 36,00 x 1,50	239,42	1
MF 36,00 x 2,00	239,42	1
MF 36,00 x 3,00	258,19	1
M 36,00 x 4,00	265,50	1
MF39,00 x 1,50	258,19	1
MF 39,00 x 2,00	258,19	1
MF 39,00 x 3,00	287,93	1
M 39,00 x 4,00	287,93	1
MF 40,00 x 1,50	269,40	1
MF 40,00 x 2,00	269,40	1
MF 40,00 x 3,00	291,83	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	162,86	1
MF 42,00 x 2,00	162,86	1
MF 42,00 x 3,00	175,29	1
M 42,00 x 4,50	180,41	1
MF 45,00 x 1,50	171,64	1
MF 45,00 x 2,00	171,64	1
MF 45,00 x 3,00	182,85	1

Ø x P mm	€	
M 45,00 x 4,50	191,63	1
MF 48,00 x 1,50	178,95	1
MF 48,00 x 2,00	178,95	1
MF 48,00 x 3,00	196,50	1
M 48,00 x 5,00	204,06	1
MF 50,00 x 1,50	184,07	1
MF 50,00 x 2,00	184,07	1

Ø x P mm	€	
MF 50,00 x 3,00	202,84	1
MF 52,00 x 1,50	190,41	1
MF 52,00 x 2,00	190,41	1
MF 52,00 x 3,00	210,15	1
M 52,00 x 5,00	216,49	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	150,43	1
MF 42,00 x 2,00	150,43	1
MF 42,00 x 3,00	162,86	1
M 42,00 x 4,50	165,30	1
MF 45,00 x 1,50	159,21	1
MF 45,00 x 2,00	159,21	1
MF 45,00 x 3,00	170,42	1

Ø x P mm	€	
M 45,00 x 4,50	176,51	1
MF 48,00 x 1,50	165,30	1
MF 48,00 x 2,00	165,30	1
MF 48,00 x 3,00	180,41	1
M 48,00 x 5,00	188,94	1
MF 50,00 x 1,50	169,20	1
MF 50,00 x 2,00	169,20	1

Ø x P mm	€	
MF 50,00 x 3,00	186,51	1
MF 52,00 x 1,50	175,29	1
MF 52,00 x 2,00	175,29	1
MF 52,00 x 3,00	192,84	1
M 52,00 x 5,00	198,94	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	217,89	1
M 2,20 x 0,40	198,57	1
M 2,50 x 0,45	177,15	1
M 3,00 x 0,50	136,68	1
MF 4,00 x 0,50	189,75	1
M 4,00 x 0,70	129,33	1
M 4,50 x 0,75	129,33	1
MF 5,00 x 0,50	189,75	1
M 5,00 x 0,80	129,33	1
MF 6,00 x 0,50	191,85	1
MF 6,00 x 0,75	144,39	1
M 6,00 x 1,00	129,33	1
M 7,00 x 1,00	129,33	1
MF 8,00 x 0,50	198,57	1
MF 8,00 x 0,75	148,07	1
MF 8,00 x 1,00	140,35	1
M 8,00 x 1,25	131,16	1
M 9,00 x 1,25	136,68	1
MF 10,00 x 0,50	213,69	1
MF 10,00 x 0,75	157,26	1
MF 10,00 x 1,00	151,74	1
MF 10,00 x 1,25	166,81	1
M 10,00 x 1,50	144,39	1
MF 12,00 x 0,50	235,03	1
MF 12,00 x 0,75	168,30	1
MF 12,00 x 1,00	162,79	1
MF 12,00 x 1,25	179,69	1
MF 12,00 x 1,50	160,95	1
M 12,00 x 1,75	157,27	1
MF 14,00 x 1,00	172,34	1
MF 14,00 x 1,25	192,92	1
MF 14,00 x 1,50	168,30	1
M 14,00 x 2,00	168,30	1
MF 16,00 x 1,00	183,37	1

Ø x P mm	€	
MF 16,00 x 1,50	179,69	1
MF 16,00 x 2,00	181,53	1
MF 18,00 x 1,00	196,60	1
MF 18,00 x 1,50	191,08	1
M 18,00 x 2,50	200,27	1
MF 20,00 x 1,00	206,15	1
MF 20,00 x 1,50	202,11	1
MF 20,00 x 2,00	202,11	1
M 20,00 x 2,50	217,18	1
MF 22,00 x 1,00	224,89	1
MF 22,00 x 1,50	213,50	1
M 22,00 x 2,50	232,24	1
MF 24,00 x 1,00	234,08	1
MF 24,00 x 1,50	224,89	1
MF 24,00 x 2,00	224,89	1
M 24,00 x 3,00	245,47	1
MF 25,00 x 1,00	239,96	1
MF 25,00 x 1,50	230,41	1
MF 25,00 x 2,00	230,41	1
MF 27,00 x 1,00	250,99	1
MF 27,00 x 1,50	241,80	1
MF 27,00 x 2,00	241,80	1
M 27,00 x 3,00	267,89	1
MF 30,00 x 1,00	271,57	1
MF 30,00 x 1,50	258,70	1
MF 30,00 x 2,00	258,70	1
MF 30,00 x 3,00	271,57	1
M 30,00 x 3,50	288,84	1
MF 32,00 x 1,00	286,63	1
MF 32,00 x 1,50	269,73	1
MF 32,00 x 2,00	269,73	1
MF 33,00 x 1,00	292,51	1
MF 33,00 x 1,50	275,61	1
MF 33,00 x 2,00	275,61	1

Ø x P mm	€	
MF 33,00 x 3,00	292,51	1
M 33,00 x 3,50	311,26	1
MF 36,00 x 1,00	311,26	1
MF 36,00 x 1,50	290,68	1
MF 36,00 x 2,00	290,68	1
MF 36,00 x 3,00	311,26	1
M 36,00 x 4,00	331,84	1
MF 39,00 x 1,50	309,42	1
MF 39,00 x 2,00	309,42	1
MF 39,00 x 3,00	330,00	1
M 39,00 x 4,00	356,46	1
MF 40,00 x 1,50	316,77	1
MF 40,00 x 2,00	316,77	1
MF 40,00 x 3,00	335,51	1
MF 42,00 x 1,50	328,16	1
MF 42,00 x 2,00	328,16	1
MF 42,00 x 3,00	348,74	1
M 42,00 x 4,50	382,55	1
MF 45,00 x 1,50	343,23	1
MF 45,00 x 2,00	343,23	1
MF 45,00 x 3,00	369,32	1
M 45,00 x 4,50	403,13	1
MF 48,00 x 1,50	361,97	1
MF 48,00 x 2,00	361,97	1
MF 48,00 x 3,00	388,06	1
M 48,00 x 5,00	424,08	1
MF 50,00 x 1,50	371,16	1
MF 50,00 x 2,00	371,16	1
MF 50,00 x 3,00	399,46	1
MF 52,00 x 1,50	388,06	1
MF 52,00 x 2,00	388,06	1
MF 52,00 x 3,00	414,52	1
MF 52,00 x 5,00	452,01	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	217,89	1
M 2,20 x 0,40	198,57	1
M 2,50 x 0,45	177,15	1
M 3,00 x 0,50	136,68	1
MF 4,00 x 0,50	189,75	1
M 4,00 x 0,70	129,33	1
M 4,50 x 0,75	129,33	1
MF 5,00 x 0,50	189,75	1
M 5,00 x 0,80	129,33	1
MF 6,00 x 0,50	191,85	1
MF 6,00 x 0,75	144,39	1
M 6,00 x 1,00	129,33	1
M 7,00 x 1,00	129,33	1
MF 8,00 x 0,50	198,57	1
MF 8,00 x 0,75	148,07	1
MF 8,00 x 1,00	140,35	1
M 8,00 x 1,25	131,16	1
M 9,00 x 1,25	136,68	1
MF 10,00 x 0,50	213,69	1
MF 10,00 x 0,75	157,26	1
MF 10,00 x 1,00	151,74	1
MF 10,00 x 1,25	166,81	1
M 10,00 x 1,50	144,39	1
MF 12,00 x 0,50	235,03	1
MF 12,00 x 0,75	168,30	1
MF 12,00 x 1,00	162,79	1
MF 12,00 x 1,25	179,69	1
MF 12,00 x 1,50	160,95	1
M 12,00 x 1,75	157,27	1
MF 14,00 x 1,00	172,34	1
MF 14,00 x 1,25	192,92	1
MF 14,00 x 1,50	168,30	1
M 14,00 x 2,00	168,30	1
MF 16,00 x 1,00	183,37	1

Ø x P mm	€	
MF 16,00 x 1,50	179,69	1
MF 16,00 x 2,00	181,53	1
MF 18,00 x 1,00	181,53	1
MF 18,00 x 1,50	196,60	1
MF 18,00 x 2,00	191,08	1
M 18,00 x 2,50	200,27	1
MF 20,00 x 1,00	206,15	1
MF 20,00 x 1,50	202,11	1
MF 20,00 x 2,00	202,11	1
M 20,00 x 2,50	217,18	1
MF 22,00 x 1,00	224,89	1
MF 22,00 x 1,50	213,50	1
M 22,00 x 2,50	232,24	1
MF 24,00 x 1,00	234,08	1
MF 24,00 x 1,50	224,89	1
MF 24,00 x 2,00	224,89	1
M 24,00 x 3,00	245,47	1
MF 25,00 x 1,00	239,96	1
MF 25,00 x 1,50	230,41	1
MF 25,00 x 2,00	230,41	1
MF 27,00 x 1,00	250,99	1
MF 27,00 x 1,50	241,80	1
MF 27,00 x 2,00	241,80	1
M 27,00 x 3,00	267,89	1
MF 30,00 x 1,00	271,57	1
MF 30,00 x 1,50	258,70	1
MF 30,00 x 2,00	258,70	1
MF 30,00 x 3,00	271,57	1
M 30,00 x 3,50	288,84	1
MF 32,00 x 1,00	286,63	1
MF 32,00 x 1,50	269,73	1
MF 32,00 x 2,00	269,73	1
MF 33,00 x 1,00	292,51	1
MF 33,00 x 1,50	275,61	1

Ø x P mm	€	
MF 33,00 x 2,00	275,61	1
MF 33,00 x 3,00	292,51	1
M 33,00 x 3,50	311,26	1
MF 36,00 x 1,00	311,26	1
MF 36,00 x 1,50	290,68	1
MF 36,00 x 2,00	290,68	1
MF 36,00 x 3,00	311,26	1
M 36,00 x 4,00	331,84	1
MF 39,00 x 1,50	309,42	1
MF 39,00 x 2,00	309,42	1
MF 39,00 x 3,00	330,00	1
M 39,00 x 4,00	356,46	1
MF 40,00 x 1,50	316,77	1
MF 40,00 x 2,00	316,77	1
MF 40,00 x 3,00	335,51	1
MF 42,00 x 1,50	328,16	1
MF 42,00 x 2,00	328,16	1
M 42,00 x 3,00	348,74	1
M 42,00 x 4,50	382,55	1
M 45,00 x 1,50	343,23	1
MF 45,00 x 2,00	369,32	1
MF 45,00 x 3,00	361,97	1
M 45,00 x 4,50	361,97	1
MF 48,00 x 1,50	388,06	1
MF 48,00 x 2,00	424,08	1
MF 48,00 x 3,00	371,16	1
MF 48,00 x 5,00	371,16	1
MF 50,00 x 1,50	399,46	1
MF 50,00 x 2,00	388,06	1
MF 50,00 x 3,00	388,06	1
MF 52,00 x 1,50	414,52	1
MF 52,00 x 2,00	452,01	1
MF 52,00 x 3,00	482,82	1
MF 52,00 x 5,00	450,62	1

2902/1 ISO 228-2

PASA
NO
PASA

CTPNP

G
ISO 228



Ø x P mm	€	
G 1/8 - 28	142,16	1
G 1/4 - 19	152,16	1
G 3/8 - 19	168,49	1

Ø x P mm	€	
G 1/2 - 14	187,01	1
G 5/8 - 14	197,01	1
G 3/4 - 14	210,66	1

Ø x P mm	€	
G 7/8 - 14	234,54	1
G 1" - 11	243,08	1
G 1" 1/8 - 7	284,27	1

2902/4 ISO 228-2

PASA

CTP

G
ISO 228



Ø x P mm	€	
G 1" 1/4 - 11	171,64	1
G 1" 1/2 - 11	194,06	1

Ø x P mm	€	
G 1" 3/4 - 11	215,27	1
G 2" - 11	235,26	1

Ø x P mm	€	
G 2" 1/4 - 11	252,56	1
G 2" 1/2 - 11	288,64	1

2902/5 ISO 228-2

NO
PASA

CTNP

G
ISO 228



Ø x P mm	€	
G 1" 1/4 - 11	157,99	1
G 1" 1/2 - 11	178,95	1

Ø x P mm	€	
G 1" 3/4 - 11	197,72	1
G 2" - 11	216,49	1

Ø x P mm	€	
G 2" 1/4 - 11	232,58	1
G 2" 1/2 - 11	263,78	1

2902/2 ISO 228-2

PASA

CAP

G
ISO 228



Ø x P mm	€	
G 1/8 - 28	153,58	1
G 1/4 - 19	170,14	1
G 3/8 - 19	196,60	1
G 1/2 - 14	224,89	1
G 5/8 - 14	237,76	1

Ø x P mm	€	
G 3/4 - 14	254,66	1
G 7/8 - 14	279,28	1
G 1" - 11	303,54	1
G 1" 1/8 - 11	337,35	1
G 1" 1/4 - 11	367,48	1

Ø x P mm	€	
G 1" 1/2 - 11	409,01	1
G 1" 3/4 - 11	448,33	1
G 2" - 11	489,86	1
G 2" 1/4 - 11	523,67	1
G 2" 1/2 - 11	591,29	1

2902/3 ISO 228-2

NO
PASA

CANP

G
ISO 228



Ø x P mm	€	
G 1/8 - 28	153,58	1
G 1/4 - 19	170,14	1
G 3/8 - 19	196,60	1
G 1/2 - 14	224,89	1
G 5/8 - 14	237,76	1

Ø x P mm	€	
G 3/4 - 14	254,66	1
G 7/8 - 14	279,28	1
G 1" - 11	303,54	1
G 1" 1/8 - 11	337,35	1
G 1" 1/4 - 11	367,48	1

Ø x P mm	€	
G 1" 1/2 - 11	409,01	1
G 1" 3/4 - 11	448,33	1
G 2" - 11	489,86	1
G 2" 1/4 - 11	523,67	1
G 2" 1/2 - 11	591,29	1



2903/1 **BS 919**

PASA
NO
PASA

CTPNP

BSW
BS 84



Ø x P mm	€	
W 1/8 - 40	148,50	1
W 1/4 - 20	134,85	1
W 3/8 - 16	139,73	1

Ø x P mm	€	
W 1/2 - 12	149,72	1
W 5/8 - 11	164,59	1
W 3/4 - 10	182,14	1

Ø x P mm	€	
W 7/8 - 9	200,91	1
W 1" - 8	225,77	1

2903/2 **BS 919**

PASA

CAP

BSW
BS 84



Ø x P mm	€	
W 1/8 - 40	166,81	1
W 1/4 - 20	149,91	1
W 3/8 - 16	163,14	1

Ø x P mm	€	
W 1/2 - 12	174,18	1
W 5/8 - 11	198,43	1
W 3/4 - 10	223,06	1

Ø x P mm	€	
W 7/8 - 9	249,15	1
W 1" - 8	273,77	1

2903/3 **BS 919**

NO
PASA

CANP

BSW
BS 84



Ø x P mm	€	
W 1/8 - 40	166,81	1
W 1/4 - 20	149,91	1
W 3/8 - 16	163,14	1

Ø x P mm	€	
W 1/2 - 12	174,18	1
W 5/8 - 11	198,43	1
W 3/4 - 10	223,06	1

Ø x P mm	€	
W 7/8 - 9	249,15	1
W 1" - 8	273,77	1

2904/1 ANSI / ASME B1.2

 PASA
NO
PASA

CTPNP

UNC
ANSI/ASME
B1.1


Ø x P mm	€	
UNC N.4 - 40	227,03	1
UNC N.5 - 40	139,73	1
UNC N.6 - 32	137,29	1
UNC N.8 - 32	132,17	1
UNC N.10 - 24	129,73	1
UNC N.12 - 24	127,29	1
UNC 1/4 - 20	126,08	1

Ø x P mm	€	
UNC 5/16 - 18	128,51	1
UNC 3/8 - 16	130,95	1
UNC 7/16 - 14	136,07	1
UNC 1/2 - 13	142,16	1
UNC 9/16 - 12	147,28	1
UNC 5/8 - 11	153,38	1
UNC 3/4 - 10	169,71	1

Ø x P mm	€	
UNC 7/8 - 9	187,01	1
UNC 1" - 8"	205,78	1
UNC 1" 1/8 - 7	224,55	1
UNC 1" 1/4 - 7	271,53	1
UNC 1" 3/8 - 6	309,44	1
UNC 1" 1/2 - 6	337,08	1

2904/2 ANSI / ASME B1.2

PASA

CAP

UNC
ANSI/ASME
B1.1


Ø x P mm	€	
UNC N.4 - 40	196,89	1
UNC N.5 - 40	149,91	1
UNC N.6 - 32	146,23	1
UNC N.8 - 32	138,51	1
UNC N.10 - 24	136,68	1
UNC N.12 - 24	134,84	1
UNC 1/4 - 20	134,84	1

Ø x P mm	€	
UNC 5/16 - 18	140,35	1
UNC 3/8 - 16	146,23	1
UNC 7/16 - 14	153,58	1
UNC 1/2 - 13	164,62	1
UNC 9/16 - 12	177,85	1
UNC 5/8 - 11	191,08	1
UNC 3/4 - 10	213,50	1

Ø x P mm	€	
UNC 7/8 - 9	237,76	1
UNC 1" - 8"	266,05	1
UNC 1" 1/8 - 7	288,84	1
UNC 1" 1/4 - 7	348,85	1
UNC 1" 3/8 - 6	381,19	1
UNC 1" 1/2 - 6	404,71	1

2904/3 ANSI / ASME B1.2

 NO
PASA

CANP

UNC
ANSI/ASME
B1.1


Ø x P mm	€	
UNC N.4 - 40	196,89	1
UNC N.5 - 40	149,91	1
UNC N.6 - 32	146,23	1
UNC N.8 - 32	138,51	1
UNC N.10 - 24	136,68	1
UNC N.12 - 24	134,84	1
UNC 1/4 - 20	134,84	1

Ø x P mm	€	
UNC 5/16 - 18	140,35	1
UNC 3/8 - 16	146,23	1
UNC 7/16 - 14	153,58	1
UNC 1/2 - 13	164,62	1
UNC 9/16 - 12	177,85	1
UNC 5/8 - 11	191,08	1
UNC 3/4 - 10	213,50	1

Ø x P mm	€	
UNC 7/8 - 9	237,76	1
UNC 1" - 8"	266,05	1
UNC 1" 1/8 - 7	288,84	1
UNC 1" 1/4 - 7	348,85	1
UNC 1" 3/8 - 7	381,19	1
UNC 1" 1/2 - 7	404,71	1

2905/1 **ANSI / ASME B1.2**

PASA
NO
PASA

CTPNP

UNF
ANSI/ASME
B1.1



Ø x P mm	€	
UNF N.4 - 48	227,03	1
UNF N.5 - 44	139,73	1
UNF N.6 - 40	137,29	1
UNF N.8 - 36	132,17	1
UNF N.10 - 32	129,73	1
UNF N.12 - 28	127,29	1
UNF 1/4 - 28	126,08	1

Ø x P mm	€	
UNF 3/8 - 24	130,95	1
UNF 5/16 - 24	128,51	1
UNF 1/2 - 20	142,16	1
UNF 7/16 - 20	136,07	1
UNF 5/8 - 18	149,72	1
UNF 9/16 - 18	147,28	1
UNF 3/4 - 16	162,15	1

Ø x P mm	€	
UNF 7/8 - 14	175,80	1
UNF 1" - 12	189,45	1
UNF 1" 1/8 - 12	205,78	1
UNF 1" 1/4 - 12	243,89	1
UNF 1" 3/8 - 8	278,66	1
UNF 1" 1/2 - 12	299,18	1

2905/2 **ANSI / ASME B1.2**

PASA

CAP

UNF
ANSI/ASME
B1.1



Ø x P mm	€	
UNF N.4 - 48	194,37	1
UNF N.5 - 44	149,91	1
UNF N.6 - 40	146,23	1
UNF N.8 - 36	138,51	1
UNF N.10 - 32	136,68	1
UNF N.12 - 28	134,84	1
UNF 1/4 - 28	134,84	1

Ø x P mm	€	
UNF 3/8 - 24	146,23	1
UNF 5/16 - 24	140,35	1
UNF 1/2 - 20	166,81	1
UNF 7/16 - 20	151,39	1
UNF 5/8 - 18	191,08	1
UNF 9/16 - 18	177,85	1
UNF 3/4 - 16	213,50	1

Ø x P mm	€	
UNF 7/8 - 14	237,76	1
UNF 1" - 12	266,05	1
UNF 1" 1/8 - 12	288,84	1
UNF 1" 1/4 - 12	348,85	1
UNF 1" 3/8 - 8	381,19	1
UNF 1" 1/2 - 12	404,71	1

2905/3 **ANSI / ASME B1.2**

NO
PASA

CANP

UNF
ANSI/ASME
B1.1



Ø x P mm	€	
UNF N.4 - 48	194,37	1
UNF N.5 - 44	149,91	1
UNF N.6 - 40	146,23	1
UNF N.8 - 36	138,51	1
UNF N.10 - 32	136,68	1
UNF N.12 - 28	134,84	1
UNF 1/4 - 28	134,84	1

Ø x P mm	€	
UNF 3/8 - 24	146,23	1
UNF 5/16 - 24	140,35	1
UNF 1/2 - 20	166,81	1
UNF 7/16 - 20	151,39	1
UNF 5/8 - 18	191,08	1
UNF 9/16 - 18	177,85	1
UNF 3/4 - 16	213,50	1

Ø x P mm	€	
UNF 7/8 - 14	237,76	1
UNF 1" - 12	266,05	1
UNF 1" 1/8 - 12	288,84	1
UNF 1" 1/4 - 12	348,85	1
UNF 1" 3/8 - 8	381,19	1
UNF 1" 1/2 - 12	404,71	1

2906/1 **ANSI / ASME B1.20.1**

PASA
NO
PASA

CTPNP

NPT
ANSI/ASME
B1.1



Ø x P mm	€	
NPT 1/8 - 27	306,47	1
NPT 1/4 - 18	322,50	1
NPT 3/8 - 18	343,88	1

Ø x P mm	€	
NPT 1/2 - 14	369,75	1
NPT 3/4 - 14	405,75	1
NPT 1" - 11,5	475,97	1

Ø x P mm	€	
NPT 1" 1/4 - 11,5	558,09	1
NPT 1" 1/2 - 11,5	619,97	1
NPT 2" - 11,5	723,29	1

2906/2 **ANSI / ASME B1.20.1**

PASA
NO
PASA

CAPNP

NPT
ANSI/ASME
B1.1



Ø x P mm	€	
NPT 1/8 - 27	472,17	1
NPT 1/4 - 18	482,34	1
NPT 3/8 - 18	504,00	1

Ø x P mm	€	
NPT 1/2 - 14	529,27	1
NPT 3/4 - 14	569,30	1
NPT 1" - 11,5	633,83	1

Ø x P mm	€	
NPT 1" 1/4 - 11,5	707,66	1
NPT 1" 1/2 - 11,5	816,59	1
NPT 2" - 11,5	893,70	1

CALIBRES LISOS

CALIBRES LISSES / PLAIN GAUGES

2907/1 > DIN 7162

PASA
NO
PASA

H7

CTLPNP



Ø mm	€	
1	68,59	1
2	59,27	1
3	54,21	1
4	50,97	1
5	48,95	1
6	48,95	1
7	49,96	1
8	50,97	1
9	51,98	1
10	53,20	1
11	54,21	1
12	55,22	1
13	56,24	1
14	57,25	1
15	58,26	1
16	59,27	1
17	60,29	1
18	61,30	1

Ø mm	€	
19	62,51	1
20	62,51	1
21	64,54	1
22	65,55	1
23	66,56	1
24	67,58	1
25	68,59	1
26	69,60	1
27	70,61	1
28	71,83	1
30	72,84	1
32	76,89	1
33	78,92	1
34	79,93	1
35	81,14	1
36	82,16	1
37	83,17	1
38	85,19	1

Ø mm	€	
40	87,22	1
42	97,32	1
44	101,37	1
45	103,40	1
46	105,42	1
47	107,65	1
48	109,67	1
50	111,70	1
52	115,75	1
55	120,00	1
58	126,28	1
60	130,33	1
62	134,58	1
65	137,62	1
68	144,91	1
70	146,93	1

2907/4 > DIN 7162

PASA

H7

CTLP



Ø mm	€	
72	82,56	1
75	85,19	1
78	88,33	1
80	89,34	1

CALIBRES LISOS

CALIBRES LISSES / PLAIN GAUGES

2907/5

DIN 7162

NO
PASA

H7

CTLNP



Ø mm	€	
72	82,56	1
75	85,19	1
78	88,33	1
80	89,34	1

2907/2

DIN 2250-C

CAL



Ø mm	€	
4	109,70	1
5	108,06	1
6	103,80	1
7	103,80	1
8	103,80	1
9	103,80	1
10	103,80	1
11	105,44	1
12	107,08	1
13	109,05	1
14	109,05	1
15	110,69	1
16	112,33	1
17	113,97	1
18	113,97	1
19	115,61	1
20	117,25	1
21	118,89	1
22	118,89	1

Ø mm	€	
23	120,53	1
24	122,17	1
25	124,14	1
26	125,78	1
27	125,78	1
28	127,42	1
30	130,70	1
32	132,34	1
33	133,98	1
34	135,63	1
35	135,63	1
36	137,59	1
37	139,23	1
38	140,88	1
40	142,52	1
42	149,08	1
44	155,97	1
45	159,25	1
46	162,53	1

Ø mm	€	
47	165,81	1
48	169,42	1
50	175,98	1
52	192,72	1
55	202,89	1
58	213,06	1
60	219,63	1
62	226,52	1
65	238,00	1
68	249,81	1
70	258,34	1
72	266,55	1
75	276,72	1
78	288,53	1
80	296,73	1
82	310,19	1
85	328,89	1
90	362,36	1