



MACHUELOS



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Serie **PRO-961SP** y **PRO-861SP** Alto Rendimiento Punta Espiral al Alto Vanadio (HSS-E)

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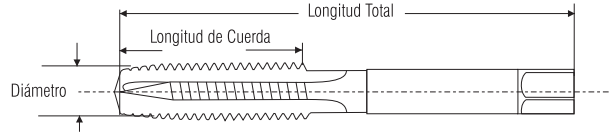
CARACTERÍSTICAS



APLICACIONES



ALTO RENDIMIENTO



Medida	Forma	Decimal	Clase	No.de Canales	Long. Cuerda	Long. Total	Long. de Cuello	Acabado óxido al Vapor	Recubrimiento TiAlN			
Tap Tpi					Pulg.	Pulg.	Pulg.	PRO-961SP	PRO-861SP			
2-56	UNC	0.0860	2B	3	0.354	9	1.772	45	-	C96101	C86101	
3-48	UNC	0.0990	2B	3	0.394	10	1.969	50	-	C96102	C86102	
4-40	UNC	0.1120	2B	3	0.394	10	2.205	56	0.315	8	C96103	C86103
4-48	UNF	0.1120	2B	3	0.394	10	2.205	56	0.315	8	C96104	C86104
5-40	UNC	0.1250	2B	3	0.394	10	2.205	56	0.394	10	C96105	C86105
6-32	UNC	0.1380	2B	3	0.433	11	2.205	56	0.394	10	C96106	C86106
6-40	UNF	0.1380	2B	3	0.433	11	2.205	56	0.394	10	C96107	C86107
8-32	UNC	0.1640	2B	3	0.433	11	2.480	63	0.433	11	C96108	C86108
8-36	UNF	0.1640	2B	3	0.433	11	2.480	63	0.433	11	C96109	C86109
10-24	UNC	0.1900	2B	3	0.551	14	2.756	70	0.512	13	C96110	C86110
10-32	UNF	0.1900	2B	3	0.551	14	2.756	70	0.512	13	C96111	C86111
12-24	UNC	0.2160	2B	3	0.512	13	3.150	80	0.591	15	C96112	C86112
12-28	UNF	0.2160	2B	3	0.512	13	3.150	80	0.591	15	C96113	C86113
1/4-20	UNC	0.2500	2B	3	0.669	17	3.150	80	0.630	16	C96114	C86114
1/4-28	UNF	0.2500	2B	3	0.699	17	3.150	80	0.630	16	C96115	C86115
5/16-18	UNC	0.3125	2B	3	0.709	18	3.543	90	0.709	18	C96116	C86116
5/16-24	UNF	0.3125	2B	3	0.709	18	3.543	90	0.709	18	C96117	C86117
3/8-16	UNC	0.3750	2B	3	0.787	20	3.937	100	-	-	C96118	C86118
3/8-24	UNF	0.3750	2B	3	0.787	20	3.937	100	-	-	C96119	C86119
7/16-14	UNC	0.4375	2B	3	0.866	22	3.937	100	0.866	22	C96120	C86120
7/16-20	UNF	0.4375	2B	3	0.866	22	3.937	100	0.866	22	C96121	C86121
1/2-13	UNC	0.5000	2B	3	0.984	25	4.331	110	0.591	15	C96122	C86122
1/2-20	UNF	0.5000	2B	3	0.984	25	4.331	110	0.591	15	C96123	C86123
9/16-12	UNC	0.5625	2B	3	1.024	26	4.331	110	0.787	20	C96124	C86124
9/16-18	UNF	0.5625	2B	3	1.024	26	4.331	110	0.787	20	C96125	C86125
5/8-11	UNC	0.6250	2B	3	1.142	29	4.331	110	-	-	C96126	C86126
5/8-18	UNF	0.6250	2B	3	1.142	29	4.331	110	-	-	C96127	C86127
3/4-10	UNC	0.7500	2B	4	1.102	28	4.921	125	1.142	29	C96128	C86128
3/4-16	UNF	0.7500	2B	4	1.102	28	4.921	125	1.142	29	C96129	C86129
7/8-9	UNC	0.8750	2B	4	1.299	33	5.512	140	1.102	28	C96130	C86130
7/8-14	UNF	0.8750	2B	4	1.299	33	5.512	140	1.102	28	C96131	C86131
1-8	UNC	1.0000	2B	4	1.378	35	6.299	160	1.181	30	C96132	C86132
1-12	UNF	1.0000	2B	4	1.378	35	6.299	160	1.181	30	C96133	C86133

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MachuelosSerie **PRO-961SP** y **PRO-861SP** Alto Rendimiento Punta Espiral al Alto Vanadio (HSS-E)**ALTO RENDIMIENTO****MACHUELOS**

Medidas Milimétricas

Medida Tap Tpi	Forma	Decimal	Clase	No.de Canales	Long. Cuerda		Long. Total		Long. de Cuello		Acabado óxido al Vapor	Recubrimiento TiALN
					Pulgs.	mm	Pulgs.	mm	Pulgs.	mm	PRO-961SP	PRO-861SP
M3x0.5	MM	0.1181	6H	3	0.394	10	2.205	56	0.394	10	C96134	C86134
M3.5x0.6	MM	0.1378	6H	3	0.433	11	2.205	56	0.394	10	C96135	C86135
M4x0.7	MM	0.1575	6H	3	0.433	11	2.480	63	0.433	11	C96136	C86136
M5x0.8	MM	0.1969	6H	3	0.551	14	2.756	70	0.512	13	C96137	C86137
M6x1	MM	0.2362	6H	3	0.669	17	3.150	80	0.630	16	C96138	C86138
M7x1	MM	0.2756	6H	3	0.591	15	3.150	80	0.630	16	C96139	C86139
M8x1	MM	0.3150	6H	3	0.709	18	3.543	90	0.709	18	C96140	C86140
M8x1.25	MM	0.3150	6H	3	0.709	18	3.543	90	0.709	18	C96141	C86141
M10x1.25	MM	0.3937	6H	3	0.787	20	3.937	100	0.827	21	C96142	C86142
M10x1.5	MM	0.3937	6H	3	0.787	20	3.937	100	0.827	21	C96143	C86143
M12x1.25	MM	0.4724	6H	3	1.142	29	4.331	110	-	-	C96144	C86144
M12x1.75	MM	0.4724	6H	3	1.142	29	4.331	110	-	-	C96145	C86145
M14x1.5	MM	0.5512	6H	3	1.024	26	4.331	110	0.787	20	C96146	C86146
M14x2	MM	0.5512	6H	3	1.024	26	4.331	110	0.787	20	C96147	C86147
M16x1.5	MM	0.6299	6H	3	1.142	29	4.331	110	-	-	C96148	C86148
M16x2	MM	0.6299	6H	3	1.142	29	4.331	110	-	-	C96149	C86149
M18x1.5	MM	0.7087	6H	4	1.142	29	4.921	125	0.787	27	C96150	C86150
M18x2.5	MM	0.7087	6H	4	1.142	29	4.921	125	0.787	27	C96151	C86151

Nuestros machuelos de ésta serie están diseñados para aprovechar todo su esfuerzo.

Para aplicaciones en materiales duros. La geometría única y el Alto Vanadio permiten que el machuelo produzca hilos de alta calidad libremente.

Mejorar la productividad al duplicar la vida útil de la herramienta y duplicar las velocidades de operación de la máquina.

- Oxido negro y recubrimiento TiALN.

Machuelos

Serie **PRO-981SF** y **PRO-892SF** Alto Rendimiento Canales Helicoidales al Alto Vanadio

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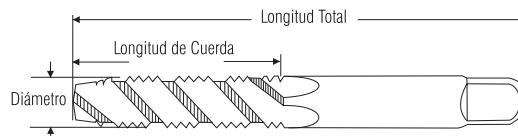
CARACTERISTICAS



APLICACIONES



ALTO RENDIMIENTO



Medida	Forma	Decimal	Clase	No.de Canales	Long. Cuerda	Long. Total	Long. de Cuello	Acabado óxido al Vapor	Recubrimiento TiAlN			
Tap Tpi					Pulg.	Pulg.	Pulg.	PRO-981SF	PRO-892SF			
2-56	UNC	0.0860	2B	3	0.354	9	1.772	45	-	-	C98101	C89201
3-48	UNC	0.0990	2B	3	0.394	10	1.969	50	-	-	C98102	C89202
4-40	UNC	0.1120	2B	3	0.394	10	2.205	56	0.315	8	C98103	C89203
4-48	UNF	0.1120	2B	3	0.394	10	2.205	56	0.315	8	C98104	C89204
5-40	UNC	0.1250	2B	3	0.394	10	2.205	56	0.394	10	C98105	C89205
6-32	UNC	0.1380	2B	3	0.433	11	2.205	56	0.394	10	C98106	C89206
6-40	UNF	0.1380	2B	3	0.433	11	2.205	56	0.394	10	C98107	C89207
8-32	UNC	0.1640	2B	3	0.433	11	2.480	63	0.433	11	C98108	C89208
8-36	UNF	0.1640	2B	3	0.433	11	2.480	63	0.433	11	C98109	C89209
10-24	UNC	0.1900	2B	3	0.551	14	2.756	70	0.512	13	C98110	C89210
10-32	UNF	0.1900	2B	3	0.551	14	2.756	70	0.512	13	C98111	C89211
12-24	UNC	0.2160	2B	3	0.512	13	3.150	80	0.591	15	C98112	C89212
12-28	UNF	0.2160	2B	3	0.512	13	3.150	80	0.591	15	C98113	C89213
1/4-20	UNC	0.2500	2B	3	0.669	17	3.150	80	0.630	16	C98114	C89214
1/4-28	UNF	0.2500	2B	3	0.699	17	3.150	80	0.630	16	C98115	C89215
5/16-18	UNC	0.3125	2B	3	0.709	18	3.543	90	0.709	18	C98116	C89216
5/16-24	UNF	0.3125	2B	3	0.709	18	3.543	90	0.709	18	C98117	C89217
3/8-16	UNC	0.3750	2B	3	0.787	20	3.937	100	-	-	C98118	C89218
3/8-24	UNF	0.3750	2B	3	0.787	20	3.937	100	-	-	C98119	C89219
7/16-14	UNC	0.4375	2B	3	0.866	22	3.937	100	0.866	22	C98120	C89220
7/16-20	UNF	0.4375	2B	3	0.866	22	3.937	100	0.866	22	C98121	C89221
1/2-13	UNC	0.5000	2B	3	0.984	25	4.331	110	0.591	15	C98122	C89222
1/2-20	UNF	0.5000	2B	3	0.984	25	4.331	110	0.591	15	C98123	C89223
9/16-12	UNC	0.5625	2B	4	1.024	26	4.331	110	0.787	20	C98124	C89224
9/16-18	UNF	0.5625	2B	4	1.024	26	4.331	110	0.787	20	C98125	C89225
5/8-11	UNC	0.6250	2B	4	1.142	29	4.331	110	-	-	C98126	C89226
5/8-18	UNF	0.6250	2B	4	1.142	29	4.331	110	-	-	C98127	C89227
3/4-10	UNC	0.7500	2B	4	1.102	28	4.921	125	1.142	29	C98128	C89228
3/4-16	UNF	0.7500	2B	4	1.102	28	4.921	125	1.142	29	C98129	C89229
7/8-9	UNC	0.8750	2B	4	1.299	33	5.512	140	1.102	28	C98130	C89230
7/8-14	UNF	0.8750	2B	4	1.299	33	5.512	140	1.102	28	C98131	C89231
1-8	UNC	1.0000	2B	4	1.378	35	6.299	160	1.181	30	C98132	C89232
1-12	UNF	1.0000	2B	4	1.378	35	6.299	160	1.181	30	C98133	C89233

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Medidas Milimétricas

Medida Tap Tpi	Forma	Decimal	Clase	No.de Canales	Long. Cuerda		Long. Total		Long. de Cuello		Acabado óxido al Vapor	Recubrimiento TiALN
					Pulg.	mm.	Pulg.	mm.	Pulg.	mm.	PRO-981SF	PRO-892SF
M3x0.5	MM	0.1181	6H	3	0.394	10	2.205	56	0.394	10	C98134	C89234
M3.5x0.6	MM	0.1378	6H	3	0.433	11	2.205	56	0.394	10	C98135	C89235
M4x0.76	MM	0.1575	6H	3	0.433	11	2.480	63	0.433	11	C98136	C89236
M5x0.8	MM	0.1969	6H	3	0.551	14	2.756	70	0.512	13	C98137	C89237
M6x1	MM	0.2362	6H	3	0.669	17	3.150	80	0.630	16	C98138	C89238
M7x1	MM	0.2756	6H	3	0.591	15	3.150	80	0.630	16	C98139	C89239
M8x1	MM	0.3150	6H	3	0.709	18	3.543	90	0.709	18	C98140	C89240
M8x1.25	MM	0.3150	6H	3	0.709	18	3.543	90	0.709	18	C98141	C89241
M10x1.25	MM	0.3937	6H	3	0.787	20	3.937	100	0.827	21	C98142	C89242
M10x1.5	MM	0.3937	6H	3	0.787	20	3.937	100	0.827	21	C98143	C89243
M12x1.25	MM	0.4724	6H	3	1.142	29	4.331	110	-	-	C98144	C89244
M12x1.75	MM	0.4724	6H	3	1.142	29	4.331	110	-	-	C98145	C89245
M14x1.5	MM	0.5512	6H	3	1.024	26	4.331	110	0.787	20	C98146	C89246
M14x2	MM	0.5512	6H	3	1.024	26	4.331	110	0.787	20	C98147	C89247
M16x1.5	MM	0.6299	6H	4	1.142	29	4.331	110	-	-	C98148	C89248
M16x2	MM	0.6299	6H	4	1.142	29	4.331	110	-	-	C98149	C89249
M18x1.5	MM	0.7087	6H	4	1.142	29	4.921	125	0.787	27	C98150	C89250
M18x2.5	MM	0.7087	6H	4	1.142	29	4.921	125	0.787	27	C98151	C89251
M20x2.5	MM	0.7874	6H	4	1.299	33	5.512	140	1.146	29.1	C98152	C89252
M22x2.5	MM	0.8661	6H	4	1.299	33	5.512	140	1.098	27.9	C98153	C89253
M24x3.0	MM	0.9449	6H	4	1.378	35	6.299	160	1.181	30	C98154	C89254

Nuestros machuelos de ésta serie están diseñados para aprovechar todo su esfuerzo. Para aplicaciones en materiales duros. La geometría única y el Alto Vanadio permiten que el machuelo produzca hilos de alta calidad libremente. Mejorar la productividad al duplicar la vida útil de la herramienta y duplicar las velocidades de operación de la máquina.

- Oxido negro y recubrimiento TiALN.

Machuelos

Serie **PER-862SP** y **PER-960SP** Alto Rendimiento Punta Espiral

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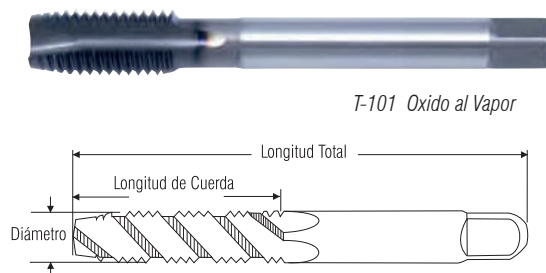
CARACTERISTICAS

USCTI 302 A	HSSE AL ALTO VANADIO
ALTO RENDIMIENTO	OXIDO DE VAPOR
BARRENOS PASADOS	RECTO 3-5
ROSCA TRUNCADA	NECKED

APLICACIONES

ALEACIONES DE ACERO HERRAMIENTA
ACERO AL CARBON
TRABAJO DURO INOXIDABLE

ALTO RENDIMIENTO



Medida	Tap	Tpi	Forma	Decimal	Clase	No.de Canales	Long. Cuerda Pulgs.	mm.	Long. Total Pulgs.	mm.	Long. de Cuello Pulgs.	mm.	Acabado óxido al Vapor	Recubrimiento Hardlube
													PER-862SP	PER-960SP
2-56	UNC		0.0860	2B	3	0.354	9	1.772	45	-	-	-	C86201	C96001
3-48	UNC		0.0990	2B	3	0.394	10	1.969	50	-	-	-	C86202	C96002
4-40	UNC		0.1120	2B	3	0.394	10	2.205	56	0.315	8	-	C86203	C96003
4-48	UNF		0.1120	2B	3	0.394	10	2.205	56	0.315	8	-	C86204	C96004
5-40	UNC		0.1250	2B	3	0.394	10	2.205	56	0.394	10	-	C86205	C96005
6-32	UNC		0.1380	2B	3	0.433	11	2.205	56	0.394	10	-	C86206	C96006
6-40	UNF		0.1380	2B	3	0.433	11	2.205	56	0.394	10	-	C86207	C96007
8-32	UNC		0.1640	2B	3	0.433	11	2.480	63	0.433	11	-	C86208	C96008
8-36	UNF		0.1640	2B	3	0.433	11	2.480	63	0.433	11	-	C86209	C96009
10-24	UNC		0.1900	2B	3	0.551	14	2.756	70	0.512	13	-	C86210	C96010
10-32	UNF		0.1900	2B	3	0.551	14	2.756	70	0.512	13	-	C86211	C96011
12-24	UNC		0.2160	2B	3	0.512	13	3.150	80	0.591	15	-	C86212	C96012
12-28	UNF		0.2160	2B	3	0.512	13	3.150	80	0.591	15	-	C86213	C96013
1/4-20	UNC		0.2500	2B	3	0.669	17	3.150	80	0.630	16	-	C86214	C96014
1/4-28	UNF		0.2500	2B	3	0.699	17	3.150	80	0.630	16	-	C86215	C96015
5/16-18	UNC		0.3125	2B	3	0.709	18	3.543	90	0.709	18	-	C86216	C96016
5/16-24	UNF		0.3125	2B	3	0.709	18	3.543	90	0.709	18	-	C86217	C96017
3/8-16	UNC		0.3750	2B	3	0.787	20	3.937	100	-	-	-	C86218	C96018
3/8-24	UNF		0.3750	2B	3	0.787	20	3.937	100	-	-	-	C86219	C96019
7/16-14	UNC		0.4375	2B	3	0.866	22	3.937	100	0.866	22	-	C86220	C96020
7/16-20	UNF		0.4375	2B	3	0.866	22	3.937	100	0.866	22	-	C86221	C96021
1/2-13	UNC		0.5000	2B	3	0.984	25	4.331	110	0.591	15	-	C86222	C96022
1/2-20	UNF		0.5000	2B	3	0.984	25	4.331	110	0.591	15	-	C86223	C96023
9/16-12	UNC		0.5625	2B	3	1.024	26	4.331	110	0.787	20	-	C86224	C96024
9/16-18	UNF		0.5625	2B	3	1.024	26	4.331	110	0.787	20	-	C86225	C96025
5/8-11	UNC		0.6250	2B	3	1.142	29	4.331	110	-	-	-	C86226	C96026
5/8-18	UNF		0.6250	2B	3	1.142	29	4.331	110	-	-	-	C86227	C96027
3/4-10	UNC		0.7500	2B	4	1.102	28	4.921	125	1.142	29	-	C86228	C96028
3/4-16	UNF		0.7500	2B	4	1.102	28	4.921	125	1.142	29	-	C86229	C96029
7/8-9	UNC		0.8750	2B	4	1.299	33	5.512	140	1.102	28	-	C86230	C96030
7/8-14	UNF		0.8750	2B	4	1.299	33	5.512	140	1.102	28	-	C86231	C96031
1-8	UNC		1.0000	2B	4	1.378	35	6.299	160	1.181	30	-	C86232	C96032
1-12	UNF		1.0000	2B	4	1.378	35	6.299	160	1.181	30	-	C86233	C96033

Recubrimiento Hardlube



Tratamiento superficial para materiales duros y abrasivos



ALTO RENDIMIENTO

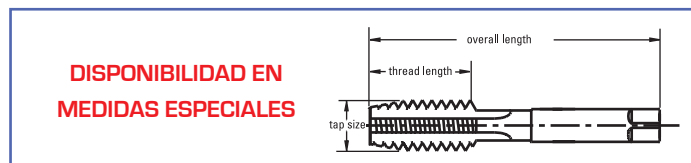
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Medidas Milimétricas

Medida Tap Tpi	Forma	Decimal	Clase	No.de Canales	Long. Cuerda		Long. Total		Long. de Cuello		Acabado óxido al Vapor	Recubrimiento Hardlube
					Pulg.	mm.	Pulg.	mm.	Pulg.	mm.	PER-862SP	PER-960SP
M3x0.5	MM	0.1181	6H	3	0.394	10	2.205	56	0.394	10	C86234	C96034
M3.5x0.6	MM	0.1378	6H	3	0.433	11	2.205	56	0.394	10	C86235	C96035
M4x0.7	MM	0.1575	6H	3	0.433	11	2.480	63	0.433	11	C86236	C96036
M5x0.8	MM	0.1969	6H	3	0.551	14	2.756	70	0.512	13	C86237	C96037
M6x1	MM	0.2362	6H	3	0.669	17	3.150	80	0.630	16	C86238	C96038
M7x1	MM	0.2756	6H	3	0.591	15	3.150	80	0.630	16	C86239	C96039
M8x1	MM	0.3150	6H	3	0.709	18	3.543	90	0.709	18	C86240	C96040
M8x1.25	MM	0.3150	6H	3	0.709	18	3.543	90	0.709	18	C86241	C96041
M10x1.25	MM	0.3937	6H	3	0.787	20	3.937	100	0.827	21	C86242	C96042
M10x1.5	MM	0.3937	6H	3	0.787	20	3.937	100	0.827	21	C86243	C96043
M12x1.25	MM	0.4724	6H	3	1.142	29	4.331	110	-	-	C86244	C96044
M12x1.75	MM	0.4724	6H	3	1.142	29	4.331	110	-	-	C86245	C96045
M14x1.5	MM	0.5512	6H	3	1.024	26	4.331	110	0.787	20	C86246	C96046
M14x2	MM	0.5512	6H	3	1.024	26	4.331	110	0.787	20	C86247	C96047
M16x1.5	MM	0.6299	6H	3	1.142	29	4.331	110	-	-	C86248	C96048
M16x2	MM	0.6299	6H	3	1.142	29	4.331	110	-	-	C86249	C96049
M18x1.5	MM	0.7087	6H	4	1.142	29	4.921	125	0.787	27	C86250	C96050
M18x2.5	MM	0.7087	6H	4	1.142	29	4.921	125	0.787	27	C86251	C96051

Nuestros machuelos de la serie High-Performance están diseñados para aprovechar sus características en aplicaciones de alto rendimiento, como aplicaciones de acero inoxidable. La geometría única y el Alto Vanadio permiten que el machuelo produzca hilos de alta calidad libremente. Mejora la productividad duplicando la vida útil de la herramienta y duplica las velocidades de operación de la máquina.

Oxido negro y recubrimiento Hardlube.



DISPONIBILIDAD EN MEDIDAS ESPECIALES

Recubrimiento Hardlube



Tratamiento superficial para materiales duros y abrasivos

INFORMACIÓN REQUERIDA PARA CADA ORDEN:

- cantidad
- número de orden

INFORMACIÓN REQUERIDA PARA ALGUNOS ESTILOS DE HERRAMIENTA:

- tamaño exacto de herramienta
- hilos por pulgada
- paso
- forma de cuerda
- sentido de corte
- ajuste
- diámetro de paso
- chaflán
- Número de hilos rebajados
- Número de ranuras para lubricación
- proyecciones cortas

OTRAS CARACTERISTICAS DISPONIBLES

- Tratamiento superficial
- hook especial
- con ó sin centros
- conicidad en el cuello
- planos en el zanco
- diámetro de zanco especial
- rake especial
- desahogo en cuerda
- cuerda interrumpida
- raíz controlada
- notch
- ranuras en el zanco



Machuelos

Serie **PER-893SF** y **PER-980SF** Alto Rendimiento Canales Helicoidales al Alto Vanadio

MACHUELOS

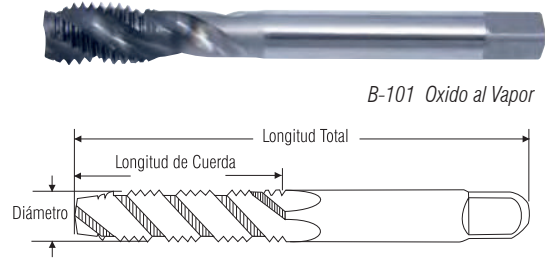
ALTO RENDIMIENTO

CARACTERISTICAS

- USCTI 302 A**
- HSS-E AL ALTO VANADIO**
- ALTO RENDIMIENTO**
- OXIDO DE VAPOR**
- BARREROS REOS**
- RECTO 2-1/2**
- ROSCA TRUNCADA**
- NECKED**

APLICACIONES

- ALEACIONES DE ACERO HERRAMIENTA**
- ACERO AL CARBON**
- TRABAJO DURO INOXIDABLE**



Medida Tap Tpi	Forma	Decimal	Clase	No.de Canales	Long. Cuerda Pulgs.	mm.	Long. Total Pulgs.	mm.	Long. de Cuello Pulgs.	mm.	Acabado óxido al Vapor	Recubrimiento Hardlube
											PER-893SF	PER-980SF
2-56	UNC	0.0860	2B	3	0.354	9	1.772	45	-	-	C89301	C98001
3-48	UNC	0.0990	2B	3	0.394	10	1.969	50	-	-	C89302	C98002
4-40	UNC	0.1120	2B	3	0.394	10	2.205	56	0.315	8	C89303	C98003
4-48	UNF	0.1120	2B	3	0.394	10	2.205	56	0.315	8	C89304	C98004
5-40	UNC	0.1250	2B	3	0.394	10	2.205	56	0.394	10	C89305	C98005
6-32	UNC	0.1380	2B	3	0.433	11	2.205	56	0.394	10	C89306	C98006
6-40	UNF	0.1380	2B	3	0.433	11	2.205	56	0.394	10	C89307	C98007
8-32	UNC	0.1640	2B	3	0.433	11	2.480	63	0.433	11	C89308	C98008
8-36	UNF	0.1640	2B	3	0.433	11	2.480	63	0.433	11	C89309	C98009
10-24	UNC	0.1900	2B	3	0.551	14	2.756	70	0.512	13	C89310	C98010
10-32	UNF	0.1900	2B	3	0.551	14	2.756	70	0.512	13	C89311	C98011
12-24	UNC	0.2160	2B	3	0.512	13	3.150	80	0.591	15	C89312	C98012
12-28	UNF	0.2160	2B	3	0.512	13	3.150	80	0.591	15	C89313	C98013
1/4-20	UNC	0.2500	2B	3	0.669	17	3.150	80	0.630	16	C89314	C98014
1/4-28	UNF	0.2500	2B	3	0.699	17	3.150	80	0.630	16	C89315	C98015
5/16-18	UNC	0.3125	2B	3	0.709	18	3.543	90	0.709	18	C89316	C98016
5/16-24	UNF	0.3125	2B	3	0.709	18	3.543	90	0.709	18	C89317	C98017
3/8-16	UNC	0.3750	2B	3	0.787	20	3.937	100	-	-	C89318	C98018
3/8-24	UNF	0.3750	2B	3	0.787	20	3.937	100	-	-	C89319	C98019
7/16-14	UNC	0.4375	2B	3	0.866	22	3.937	100	0.866	22	C89320	C98020
7/16-20	UNF	0.4375	2B	3	0.866	22	3.937	100	0.866	22	C89321	C98021
1/2-13	UNC	0.5000	2B	3	0.984	25	4.331	110	0.591	15	C89322	C98022
1/2-20	UNF	0.5000	2B	3	0.984	25	4.331	110	0.591	15	C89323	C98023
9/16-12	UNC	0.5625	2B	4	1.024	26	4.331	110	0.787	20	C89324	C98024
9/16-18	UNF	0.5625	2B	4	1.024	26	4.331	110	0.787	20	C89325	C98025
5/8-11	UNC	0.6250	2B	4	1.142	29	4.331	110	-	-	C89326	C98026
5/8-18	UNF	0.6250	2B	4	1.142	29	4.331	110	-	-	C89327	C98027
3/4-10	UNC	0.7500	2B	4	1.102	28	4.921	125	1.142	29	C89328	C98028
3/4-16	UNF	0.7500	2B	4	1.102	28	4.921	125	1.142	29	C89329	C98029
7/8-9	UNC	0.8750	2B	4	1.299	33	5.512	140	1.102	28	C89330	C98030
7/8-14	UNF	0.8750	2B	4	1.299	33	5.512	140	1.102	28	C89331	C98031
1-8	UNC	1.0000	2B	4	1.378	35	6.299	160	1.181	30	C89332	C98032
1-12	UNF	1.0000	2B	4	1.378	35	6.299	160	1.181	30	C89333	C98033

Recubrimiento Hardlube



Tratamiento superficial para materiales duros y abrasivos

Continúa en la siguiente página



ALTO RENDIMIENTO**MACHUELOS**

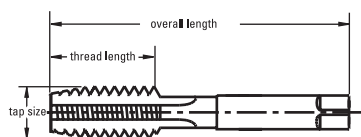
Medidas Milimétricas

Medida Tap Tpi	Forma	Decimal	Clase	No.de Canales	Long. Cuerda		Long. Total		Long. de Cuello		Acabado óxido al Vapor	Recubrimiento Hardlube
					Pulg.	mm.	Pulg.	mm.	Pulg.	mm.	PER-893SF	PER-980SF
M3x0.5	MM	0.1181	6H	3	0.394	10	2.205	56	0.394	10	C89334	C98034
M3.5x0.6	MM	0.1378	6H	3	0.433	11	2.205	56	0.394	10	C89335	C98035
M4x0.76	MM	0.1575	6H	3	0.433	11	2.480	63	0.433	11	C89336	C98036
M5x0.8	MM	0.1969	6H	3	0.551	14	2.756	70	0.512	13	C89337	C98037
M6x1	MM	0.2362	6H	3	0.669	17	3.150	80	0.630	16	C89338	C98038
M7x1	MM	0.2756	6H	3	0.591	15	3.150	80	0.630	16	C89339	C98039
M8x1	MM	0.3150	6H	3	0.709	18	3.543	90	0.709	18	C89340	C98040
M8x1.25	MM	0.3150	6H	3	0.709	18	3.543	90	0.709	18	C89341	C98041
M10x1.25	MM	0.3937	6H	3	0.787	20	3.937	100	0.827	21	C89342	C98042
M10x1.5	MM	0.3937	6H	3	0.787	20	3.937	100	0.827	21	C89343	C98043
M12x1.25	MM	0.4724	6H	3	1.142	29	4.331	110	-	-	C89344	C98044
M12x1.75	MM	0.4724	6H	3	1.142	29	4.331	110	-	-	C89345	C98045
M14x1.5	MM	0.5512	6H	3	1.024	26	4.331	110	0.787	20	C89346	C98046
M14x2	MM	0.5512	6H	3	1.024	26	4.331	110	0.787	20	C89347	C98047
M16x1.5	MM	0.6299	6H	4	1.142	29	4.331	110	-	-	C89348	C98048
M16x2	MM	0.6299	6H	4	1.142	29	4.331	110	-	-	C89349	C98049
M18x1.5	MM	0.7087	6H	4	1.142	29	4.921	125	0.787	27	C89350	C98050
M18x2.5	MM	0.7087	6H	4	1.142	29	4.921	125	0.787	27	C89351	C98051
M20x2.5	MM	0.7874	6H	4	1.299	33	5.512	140	1.146	29.1	C89352	C98052
M22x2.5	MM	0.8661	6H	4	1.299	33	5.512	140	1.098	27.9	C89353	C98053
M24x3.0	MM	0.9449	6H	4	1.378	35	6.299	160	1.181	30	C89354	C98054

Nuestros machuelos de la serie High-Performance están diseñados para aprovechar sus características en aplicaciones de alto rendimiento, como aplicaciones de acero inoxidable. La geometría única y el Alto Vanadio permiten que el machuelo produzca hilos de alta calidad libremente. Mejora la productividad duplicando la vida útil de la herramienta y duplica las velocidades de operación de la máquina.

- Oxido negro y recubrimiento Hardlube.

**DISPONIBILIDAD EN
MEDIDAS ESPECIALES**



Recubrimiento
Hardlube



Tratamiento superficial
para materiales duros
y abrasivos

Machuelos

Lista 1001, 1002, 1003 Machuelos Uso General Acero Alta Velocidad Canales Rectos

MACHUELOS

CARACTERISTICAS

ESPECIFICACIONES	A.A.V.
USO GENERAL	BRILLANTE
BARRILES DIEGOS	CÓNICO 7-10
BARRILES PASADOS	SEMI-CÓNICO 3-5
ROSCA RECTIFICADA	RECTO 1-1/2 - 2

APLICACIONES

ACERO ALEADO
ACERO AL CARBÓN
INOXIDABLE
ALUMINIO



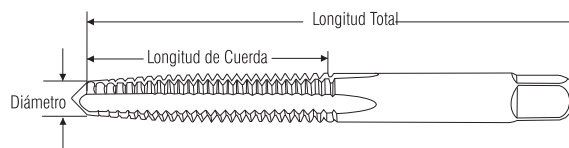
Lista 1001 Cónico Brillante



Lista 1002 Semicónico Brillante



Lista 1003 Recto Brillante



Diámetro Fracc.	Hilos x Pulgada	No. de Canales	Ajuste	Long. Cuerda Pulgs.	Long. Cuerda mm.	Long. Total Pulgs.	Long. Total mm.	EDP Brillante 1001	EDP Brillante 1002	EDP Brillante 1003
1/8	NS-40	3	H2	5/8	15.88	1-15/26	49.21	1001-04402	1002-04402	1003-04402
1/8	NS-40	3	H2	5/8	15.88	1-15-16	49.21	1001-04442	1002-04442	1003-04442
5/32	NS-32	4	H3	3/4	19.05	2-1/8	53.98	1001-05323	1002-05323	1003-05323
5/32	NS-36	4	H2	3/4	19.05	2-1/8	53.98	1001-05362	1002-05362	1003-05362
3/16	NS-24	4	H3	7/8	22.22	2-3/8	60.33	1001-06243	1002-06243	1003-06243
3/16	NS-32	4	H3	7/8	22.22	2-3/8	60.33	1001-06323	1002-06323	1003-06323
7/32	NS-24	4	H3	15/16	23.81	2-3/8	60.33	1001-07243	1002-07243	1003-07243
7/32	NS-32	4	H3	15/16	23.81	2-3/8	60.33	1001-07323	1002-07323	1003-07323
0	NF-80	2	H1	5/16	7.94	1-5/8	41.28	C54025	C54026	C54027
1	NC-64	2	H1	3/8	9.53	1-11/16	42.86	C54055	C54056	C54057
1	NF-72	2	H1	3/8	9.53	1-11/16	42.88	C54060	C54061	C54062
2	NC-56	3	H2	3/8	9.53	1-3/4	44.45	C54089	C54090	C54091
2	NF-64	3	H2	7/16	11.11	1-3/4	44.45	C54093	C54094	C54095
2	NC-48	3	H2	1/2	12.70	1-13/16	46.04	C54115	C54116	C54117
3	NF-56	3	H2	1/2	12.70	1-13/16	46.04	C54120	C54121	C54122
4	NS-36	3	H2	9/16	14.30	1-7/8	47.63	C54139	C54140	C54141
4	NC-40	3	H2	9/16	14.30	1-7/8	47.63	C54149	C54150	C54151
4	NF-48	3	H2	9/16	14.30	1-7/8	47.63	C54153	C54154	C54155
5	NC-40	3	H2	5/8	15.88	1-15/16	49.21	C54188	C54189	C54190
5	NF-44	3	H2	5/8	15.88	1-15/16	49.21	C54192	C54193	C54194
6	NC-32	3	H3	11/16	17.46	2	50.80	C54223	C54224	C54225
6	NF-40	3	H2	11/16	17.46	2	50.80	C54232	C54233	C54234
8	NC-32	4	H3	3/4	19.05	2-1/8	53.98	C54277	C54278	C54279
8	NF-36	4	H2	3/4	19.05	2-1/8	53.98	C54289	C54290	C54291
10	NC-24	4	H3	7/8	22.23	2-3/8	60.33	C54329	C54330	C54331
10	NF-32	4	H3	7/8	22.23	2-3/8	60.33	C54356	C54357	C54358
12	NC-24	4	H3	15/16	23.81	2-3/8	60.33	C54385	C54386	C54387
12	NF-28	4	H3	15/16	23.81	2-3/8	60.33	C54389	C54390	C54391
1/4	NC-20	4	H3	1	25.40	2-1/2	63.50	C54453	C54454	C54455
1/4	NF-28	4	H3	1	25.40	2-1/2	63.50	C54469	C54470	C54471
5/16	NC-18	4	H3	1-1/8	28.58	2-23/32	69.06	C54504	C54505	C54506
5/16	NF-24	4	H3	1-1/8	28.58	2-23/32	69.06	C54518	C54519	C54520

Continúa en la siguiente página



Machuelos

Lista 1001, 1002, 1003 Machuelos Uso General Acero Alta Velocidad Canales Rectos (continuación)

MACHUELOS

Diámetro Fracc.	Hilos x Pulgada	No. de Canales	Ajuste	Long. Cuerda		Long. Total		EDP Brillante 1001	EDP Brillante 1002	EDP Brillante 1003
				Pulgs.	mm.	Pulgs.	mm.			
3/8	NC-16	4	H3	1.250	31.75	2.938	74.61	C54582	C54583	C54584
3/8	NF-24	4	H3	1.250	31.75	2.938	74.61	C54595	C54596	C54597
7/16	NC-14	4	H3	1.438	36.51	3.156	80.17	C54652	C54653	C54654
7/16	NF-20	4	H3	1.438	36.51	3.156	80.17	C54661	C54662	C54663
1/2	NC-13	4	H3	1.656	42.06	3.375	85.73	C54726	C54727	C54728
1/2	NF-20	4	H3	1.656	42.06	3.375	85.73	C54737	C54738	C54739
9/16	NC-12	4	H3	1.656	42.07	3.594	91.28	C54759	C54760	C54761
9/16	NF-18	4	H3	1.656	42.07	3.594	91.28	C54765	C54766	C54767
5/8	NC-11	4	H3	1.813	46.04	3.813	96.84	C54779	C54780	C54781
5/8	NF-18	4	H3	1.813	46.04	3.813	96.84	C54787	C54788	C54789
11/16	NC-11	4	H3	1.813	46.04	4.031	102.39	C54813	C54814	C54815
11/16	NF-16	4	H3	2.000	46.04	4.031	102.39	C54817	C54818	C54819
3/4	NC-10	4	H3	2.000	50.80	4.250	107.95	C54838	C54839	C54840
3/4	NF-16	4	H3	2.019	50.80	4.250	107.95	C54846	C54847	C54848
7/8	NC-9	4	H4	2.219	56.36	4.688	119.06	C54884	C54885	C54886
7/8	NF-14	4	H4	2.500	56.36	4.688	119.06	C54890	C54891	C54892
1	NC-8	4	H4	2.500	63.50	5.125	130.18	C54923	C54924	C54925
1	NF-12	4	H4	2.500	63.50	5.125	130.18	C54928	C54929	C54930
1	NS-14	4	H4	2.563	63.50	5.125	130.18	C54933	C54934	C54935
1-1/8	NC-7	4	H4	2.563	65.09	5.438	138.11	C54965	C54966	C54967
1-1/8	NF-12	4	H4	2.563	65.09	5.438	138.11	C54971	C54972	C54973
1-1/4	NC-7	4	H4	2.563	65.09	5.750	146.05	C54994	C54995	C54996
1-1/4	NF-12	6	H4	2.563	65.09	5.750	146.05	C55000	C55001	C55002
1-3/8	NC-6	4	H4	2.563	65.09	5.750	146.05	C55027	C55028	C55029
1-3/8	NF-12	6	H4	2.563	65.09	5.750	146.05	C55030	C55031	C55032
1-1/2	NC-6	4	H4	3.000	76.20	6.375	161.93	C55057	C55058	C55059
1-1/2	NF-12	4	H4	3.000	76.20	6.375	161.93	C55063	C55064	C55065

Lista 1001M, 1002M, 1003M Machuelos Uso General Acero Alta Velocidad Canales Rectos

Diámetro mm.	Paso x mm.	No. de Canales	Ajuste	Long. Cuerda		Long. Total		Acabado Brillante 1001	Acabado Brillante 1002	Acabado Brillante 1003
				Pulgs.	mm.	Pulgs.	mm.			
M1.6	0.35	2	D3	5/16	7.94	1-5/8	41.28	C54043	C54044	C54045
M1.8	0.35	2	D3	3/8	7.94	1-11/16	41.28	C54051	C54052	C54053
M2	0.40	3	D3	7/16	11.11	1-3/4	44.45	C54073	C54074	C54075
M2.2	0.45	3	D3	7/16	11.11	1-3/4	44.45	C54105	C54106	C54107
M2.5	0.45	3	D3	1/2	12.70	1-13/16	46.04	C54131	C54132	C54133
M3	0.50	3	D3	5/8	15.88	1-15/16	49.21	C54164	C54165	C54166
M3.5	0.60	3	D4	11/16	17.46	2	50.80	C54203	C54204	C54205
M4	0.70	4	D4	3/4	19.05	2-1/8	53.98	C54246	C54247	C54248
M4.5	0.75	4	D4	7/8	22.23	2-3/8	60.33	C54303	C54304	C54305
M5	0.80	4	D4	7/8	22.23	2-3/8	60.33	C54374	C54375	C54376
M6	0.75	4	D5	1	25.40	2-1/2	63.50	1001-060755M	1002-060755M	1003-060755M
M6	1.00	4	D5	1	25.40	2-1/2	63.50	C54413	C54414	C54415
M7	1.00	4	D5	1-1/8	28.58	2-23/32	69.06	C54489	C54490	C54491
M8	0.75	4	D5	1-1/8	28.58	2-23/32	69.06	1001-080755M	1002-080755M	1003-080755M
M8	1.00	4	D5	1-1/8	28.58	2-23/32	69.06	C54536	C54537	C54538
M8	1.25	4	D5	1-1/8	28.58	2-23/32	69.06	C54546	C54547	C54548
M9	1.25	4	D5	1-1/4	31.75	2-15/16	74.61	1001-091255M	1002-091255M	1003-091255M
M10	0.75	4	D5	1-1/4	31.75	2-15/16	74.61	1001-100755M	1002-100755M	1003-100755M
M10	1.00	4	D5	1-1/4	31.75	2-15/16	74.61	1001-101005M	1002-101005M	1003-101005M
M10	1.25	4	D5	1-1/4	31.75	2-15/16	74.61	C54617	C54618	C54619

Continúa en la siguiente página

Machuelos

Lista 1004M, 1002M, 1003M Machuelos Uso General Acero Alta Velocidad Canales Rectos (continuación)

MACHUELOS

Diámetro mm.	Paso x mm.	No. de Canales	Ajuste	Long. Cuerda		Long. Total		Acabado Brillante	Acabado Brillante	Acabado Brillante
				Pulgs.	mm.	Pulgs.	mm.	1001	1002	1003
M10	1.50	4	D6	1-1/4	31.75	2-15/16	74.61	C54624	C54625	C54626
M11	1.50	4	D6	1-7/16	-	3-5/32	-	1001-111506M	1002-111506M	1003-111506M
M12	1.50	4	D6	1-21/32	42.07	3-3/8	85.73	1001-121006M	1002-121006M	1003-121006M
M12	1.50	4	D5	1-21/32	42.07	3-3/8	85.73	C54675	C54676	C54677
M12	1.50	4	D6	1-21/32	42.07	3-3/8	85.73	1001-121506M	1002-121506M	1003-121506M
M12	1.50	4	D6	1-21/32	42.07	3-3/8	85.73	C54689	C54690	C54691
M14	1.00	4	D6	1-21/32	42.07	3-19/32	-	1001-141006M	1002-141006M	1003-141006M
M14	1.25	4	D6	1-21/32	42.07	3-19/32	-	1001-141256M	1002-141256M	1003-141256M
M14	1.50	4	D6	1-21/32	42.07	3-19/32	91.28	C54751	C54752	C54753
M14	2.00	4	D7	1-21/32	42.07	3-19/32	91.28	C54755	C54756	C54757
M16	1.00	4	D6	1-13/16	46.06	3-13/16	96.84	1001-161006M	1002-161006M	1003-161006M
M16	1.50	4	D6	1-13/16	46.06	3-13/16	96.84	C54797	C54798	C54799
M16	2.00	4	D7	1-13/16	46.06	3-13/16	96.84	C54801	C54802	C54803
M18	1.50	4	D6	1-13/16	46.04	4-1/32	102.39	C54825	C54826	C54827
M18	2.50	4	D7	1-13/16	46.04	4-1/32	102.39	C54833	C54834	C54835
M20	1.50	4	D6	2	50.80	4-15/32	113.51	C54856	C54857	C54858
M20	2.50	4	D7	2	50.80	4-15/32	113.51	C54864	C54865	C54866
M22	1.50	4	D6	2-7/32	56.36	4-11/16	119.06	C54872	C54873	C54874
M22	2.50	4	D7	2-7/32	56.36	4-11/16	119.06	C54880	C54881	C54882
M24	2.00	4	D7	2-7/32	56.36	4-29/32	124.62	C54903	C54904	C54905
M24	3.00	4	D8	2-7/32	56.36	4-29/32	124.62	C54907	C54908	C54909
M27	2.00	4	D7	2-1/2	65.50	5-1/8	130.18	C54949	C54950	C54951
M27	3.00	4	D8	2-1/2	63.50	5-1/8	130.18	C54953	C54954	C54955
M30	2.00	4	D7	2-9/16	65.09	5-7/16	138.11	C54982	C54983	C54984
M30	3.50	4	D9	2-9/16	65.09	5-7/16	138.11	C54990	C54991	C54992
M33	2.00	6	D7	2-9/16	65.09	5-3/4	146.05	C55015	C55016	C55017
M33	3.50	4	D9	2-9/16	65.09	5-3/4	146.05	C55023	C55024	C55025
M36	3.00	4	D8	3	76.20	6-1/16	153.99	C55045	C55046	C55047
M36	4.00	4	D9	3	76.20	6-1/16	153.99	C55049	C55050	C55051
M39	3.00	6	D8	3-3/16	80.96	6-11/16	169.86	C55074	C55075	C55076
M39	4.00	6	D9	3-3/16	80.96	6-11/16	169.86	C55078	C55079	C55080

Lista 1004 Juegos Machuelos Uso General Acero Alta Velocidad Canales Rectos

Diámetro Fracc.	Hilos x Pulgada.	No. de Canales	Ajuste	Long. Cuerda		Long. Total		Acabado Brillante
				Pulgs.	mm.	Pulgs.	mm.	
1/8	NS-40	3	H2	5/8	15.88	1-15/16	49.21	1123-04402
1/8	NS-44	3	H2	5/8	15.88	1-15/16	49.21	1123-04442
5/32	NS-32	4	H3	3/4	19.05	2-1/8	53.98	1123-05323
5/32	NS-36	4	H2	3/4	19.05	2-1/8	53.98	1123-05362
3/16	NS-24	4	H3	7/8	22.23	2-3/8	60.33	1123-06243
3/16	NS-32	4	H3	7/8	22.23	2-3/8	60.33	1123-06323
7/32	NS-24	4	H3	15/16	23.81	2-3/8	60.33	1123-07243
7/32	NS-32	4	H3	15/16	23.81	2-3/8	60.33	1123-07323
1/4	NC-20	4	H3	1	25.40	2-1/2	63.50	C54460
1/4	NF-28	4	H3	1	25.40	2-1/2	63.50	C54476
5/16	NC-18	4	H3	1-1/8	28.58	2-23/32	69.06	C54511
5/16	NF-24	4	H3	1-1/8	28.58	2-23/32	69.06	C54523
3/8	NC-16	4	H3	1-1/4	31.75	2-15/16	74.61	C54587
3/8	NF-24	4	H3	1-1/4	31.75	2-15/16	74.61	C54600

Continúa en la siguiente página



Juego de Machuelos Fraccionales

Lista 1004 Juegos Machuelos Uso General Acero Alta Velocidad Canales Rectos (continuación)

Diámetro Fracc.	Hilos x Pulgada	No. de Canales	Ajuste	Long. Cuerda		Long. Total		Acabado Brillante
				Pulg.	mm.	Pulg.	mm.	
7/16	NC-14	4	H3	1-7/16	36.51	3-5/32	80.17	C54656
7/16	NF-20	4	H3	1-7/16	36.51	3-5/32	80.17	C54665
1/2	NC-13	4	H3	1-21/32	42.07	3-3/8	85.73	C54731
1/2	NF-20	4	H3	1-21/32	42.07	3-3/8	85.73	C54741
9/16	NC-12	4	H3	1-21/32	42.07	3-19/32	91.28	C54762
9/16	NF-18	4	H3	1-21/32	42.07	3-19/32	91.28	C54768
5/8	NC-11	4	H3	1-13/16	46.04	3-13/16	96.84	C54782
5/8	NF-18	4	H3	1-13/16	46.04	3-13/16	96.84	C54790
11/16	NS-11	4	H3	1-13/16	46.04	4-1/32	102.39	C54816
11/16	NS-16	4	H3	1-13/16	46.04	4-1/32	102.39	C54820
3/4	NC-10	4	H3	2	50.80	4-1/4	107.95	C54841
3/4	NF-16	4	H3	2	50.80	4-1/4	107.95	C54849
7/8	NF-9	4	H4	2-7/32	56.36	4-11/16	119.06	C54887
7/8	NS-14	4	H4	2-7/32	56.36	4-11/16	119.06	C54893
1	NC-8	4	H4	2-1/2	63.50	5-1/8	130.18	C54926
1	NF-12	4	H4	2-1/2	63.50	5-1/8	130.18	C54931
1	NS-14	4	H4	2-1/2	63.50	5-1/8	130.18	C54936
1-1/8	NC-7	4	4H	2-9/16	65.09	5-7/16	138.18	1123-36074
1-1/8	NF-12	4	H4	2-9/16	65.09	5-7/16	138.18	1123-36124
1-1/4	NC-7	4	H4	2-9/16	65.09	5-3/4	146.05	1123-40074
1-1/4	NF-12	4	H4	2-9/16	65.09	5-3/4	146.05	1123-40124
1-3/8	NC-6	4	H4	2-9/16	65.09	5-3/4	146.05	1123-44064
1-3/8	NF-12	4	H4	2-9/16	65.09	5-3/4	146.05	1123-44124
1-1/2	NC-6	4	H4	3	76.30	6-3/8	161.93	1123-48064
1-1/2	NF-12	4	H4	3	76.20	6-3/8	161.93	1123-48124

Juegos de Machuelos Numérico

Lista 1004N Machuelos Uso General Acero Alta Velocidad Canales Rectos

Diámetro	Hilos x Pulgada	No. de Canales	Ajuste	Long. Cuerda		Long. Total		Acabado Brillante
				Pulg.	mm.	Pulg.	mm.	
0	NF-80	2	H1	.313	7.94	1.625	41.28	C54028
1	NC-64	2	H1	.375	9.53	1.688	42.86	C54058
1	NF-72	2	H1	.375	9.53	1.688	42.88	C54063
2	NC-56	3	H1	.375	9.53	1.750	44.45	C54086
2	NC-56	3	H2	.375	9.53	1.750	44.45	C54092
2	NC-64	3	H2	.438	11.11	1.750	44.45	C54096
3	NC-48	3	H2	.500	12.70	1.813	46.04	C54118
3	NF-56	3	H2	.500	12.70	1.813	46.04	C54123
4	NS-36	3	H2	.563	14.30	1.875	47.63	C54137
4	NC-40	3	H2	.563	14.30	1.875	47.63	C54152
4	NF-48	3	H2	.563	14.30	1.875	47.73	C54156
5	NC-40	3	H2	.625	15.88	1.938	49.21	C54191
5	NF-40	3	H2	.625	15.88	1.938	49.21	C54195
6	NC-32	3	H3	.688	17.46	2.000	50.80	C54226
6	NF-40	3	H2	.688	17.46	2.000	50.80	C54235
8	NC-32	4	H3	.750	19.05	2.125	53.98	C54280
8	NF-36	4	H2	.750	19.05	2.125	53.98	C54292
10	NC-24	4	H3	.875	22.23	2.375	60.33	C54332
10	NF-32	4	H3	.875	22.23	2.375	60.33	C54359
12	NC-24	4	H3	.938	23.81	2.375	60.33	C54388
12	NF-28	4	H3	.938	23.81	2.375	60.33	C54392

Juegos de Machuelos Milimétricos

Lista 1004M Machuelos Uso General Acero Alta Velocidad Canales Rectos

MACHUELOS

Diámetro mm.	Paso x mm.	No. de Canales	Ajuste	Long. Cuerda Pulgs.	mm.	Long. Total Pulgs.	mm.	Acabado Brillante
3	0.50	3	D3	5/8	15.88	1-15/15	49.21	1123-030503M
4	0.70	4	D4	3/4	91.05	2-1/8	53.97	1123-040704M
5	0.80	4	D4	7/8	22.23	2-3/8	60.32	1123-050804M
6	0.75	4	D5	1	25.40	2-1/2	63.50	1123-060755M
6	1.00	4	D5	1	25.40	2-1/2	63.50	1123-061005M
7	1.00	4	D5	1-1/8	28.58	2-23/32	96.05	1123-071005M
8	0.75	4	D5	1-1/8	28.58	2-23/32	69.05	1123-080755M
8	1.00	4	D5	1-1/8	28.58	2-23/32	69.05	1123-081005M
8	1.25	4	D5	1-1/8	28.58	2-23/32	69.05	1123-081255M
9	1.25	4	D5	1-1/4	31.75	2-15/16	74.61	1123-091255M
10	0.75	4	D5	1-1/4	31.75	2-15/16	74.61	1123-100755M
10	1.00	4	D5	1-1/4	31.75	2-15/16	74.61	1123-101005M
10	1.25	4	D5	1-1/4	31.75	2-15/16	74.61	1123-101255M
10	1.50	4	D5	1-1/4	31.75	2-15/16	74.61	1123-101506M
11	1.50	4	D6	1-7/16	36.51	3-5/32	80.16	1123-111506M
12	1.00	4	D6	1-21/32	42.06	3-3/8	85.72	1123-121006M
12	1.25	4	D5	1-21/32	42.06	3-3/8	85.72	1123-121255M
12	1.50	4	D6	1-21/32	42.06	3-3/8	85.72	1123-121506M
12	1.75	4	D6	1-21/32	42.06	3-3/8	85.72	1123-121756M
14	1.00	4	D6	1-21/32	42.06	3-19/32	91.28	1123-141006M
14	1.25	4	D6	1-21/32	42.06	3-19/32	91.28	1123-141256M
14	1.50	4	D6	1-21/32	42.06	3-19/32	91.28	1123-141506M
14	2.00	4	D7	1-21/32	42.06	3-19/32	91.28	1123-142007M
16	1.00	4	D6	1-13/16	45.03	3-13/16	96.83	1123-161006M
16	1.50	4	D6	1-13/16	45.03	3-13/16	96.28	1123-161506M
16	2.00	4	D7	1-13/16	45.03	3-13/16	96.83	1123-162007M
18	1.50	4	D6	1-13/16	45.03	4-15/32	113.50	1123-181506M
20	1.50	4	D6	2	50.80	4-15/32	113.50	1123-201506M
20	2.50	4	D7	2	50.80	4-15/32	113.50	1123-202507M
22	1.50	4	D6	2-7/32	56.36	4-11/16	119.06	1123-221506M



Machuelo Punta Espiral

Lista 1053 Machuelo Punta Espiral Acero Alta Velocidad Canales Rectos

MACHUELOS

CARACTERISTICAS

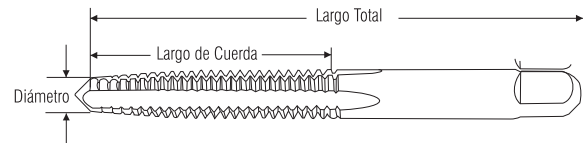
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USO GENERAL	BRILLANTE
BARRENOS PASADOS	PLUG 3-5
ROSCA RECTIFICADA	

APLICACIONES

ACERO ALEADO
ACERO GRADO HERRAMIENTA
ACERO ALTO CARBÓN
HIERRO FUNDIDO



Lista 1053 Semicónico Brillante



Diámetro	Hilos x Pulgada	No. de Canales	Ajuste	Long. Cuerda		Long. Total		Acabado Brillante
				Pulg.	mm.	Pulg.	mm.	
2	NC-56	2	H2	7/16	11.11	1-3/4	44.45	C57307
4	NC-40	2	H2	9/16	14.29	1-7/8	47.63	C57324
5	NC-40	2	H2	5/8	15.88	1-15/16	49.21	C57338
5	NF-44	2	H2	5/8	15.88	1-15/16	49.21	C57340
6	NC-32	2	H3	11/16	17.46	2	50.80	C57348
6	NF-40	2	H2	11/16	17.46	2	50.80	C57352
8	NC-32	2	H3	3/4	19.05	2-1/8	53.98	C57361
8	NF-36	2	H2	3/4	19.05	2-1/8	53.98	C57365
10	NC-24	2	H3	7/8	22.23	2-3/8	60.33	C57373
10	NF-32	2	H3	7/8	22.23	2-3/8	60.33	C57380
12	NC-24	2	H3	15/16	23.81	2-3/8	60.33	C57388
1/4	NC-20	2	H3	1	25.40	2-1/2	63.50	C57406
1/4	NF-28	2	H3	1	2.40	2-1/2	63.50	C57415
5/16	NC-18	2	H3	1-1/8	28.58	2-23/32	69.06	C57428
5/16	NF-24	2	H3	1-1/8	28.58	2-23/32	69.06	C57437
3/8	NC-16	3	H3	1-1/4	31.75	2-15/16	74.61	C57452
3/8	NF-24	3	H3	1-1/4	31.75	2-15/16	74.61	C57458
3/8	NF-24	3	H4	1-1/4	31.75	2-15/16	74.61	C57459
7/16	NC-14	3	H3	1-7/16	36.51	3-5/32	80.17	C57469
7/16	NF-20	3	H3	1-4/16	36.51	3-5/32	80.17	C57472
1/2	NC-13	3	H3	1-21/32	42.07	3-3/8	85.73	C57492
1/2	NF-20	3	H3	1-21/32	42.07	3-3/8	85.73	C57497
5/8	NC-11	3	H3	1-13/16	46.04	3-13/16	96.84	C57507
3/4	NC-10	3	H3	2	50.80	4-1/4	107.95	C57523
M2.2 x 0.45	-	2	D3	.438	11.11	1.750	44.45	C57036
M2.5 x 0.45	-	2	D3	.500	12.70	1.813	46.04	C57044
M3 x 0.5	-	2	D3	.625	15.88	1.938	49.21	C57055
M4 x 0.7	-	2	D4	.750	19.05	2.125	53.98	C57080
M5 x 0.8	-	2	D4	.875	22.23	2.375	60.33	C57110
M6 x 1	-	2	D5	1.000	25.40	2.500	63.50	C57118
M8 x 1.25	-	2	D5	1.125	28.58	2.719	69.06	C57171
M10 x 1.5	-	3	D6	1.250	31.75	2.938	74.61	C57189
M12 x 1.75	-	3	D6	1.656	42.07	3.375	85.73	C57203
M14 x 1.5	-	3	D6	1.656	42.07	3.594	91.28	C57226
M20 x 2.5	-	3	D7	1.813	46.04	3.813	96.84	C57253



Machuelo para Tubo

Lista 965B Machuelo para Tubo, Acero Alta Velocidad Rosca Derecha (NPT) Ángulo de Corte Medio

MACHUELOS

CARACTERÍSTICAS

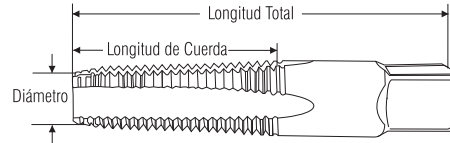
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USO GENERAL	BRILLANTE
NPT	3/4" / 12"
NPTF DRYSEAL	PIPE 3-1/2
ROSCA RECTIFICADA	

APLICACIONES

ACERO ALEADO
ACERO AL CARBÓN



Lista 965B Machuelo para Tubo (NPT)



Diámetro Fraccional	Hilos x Pulgada	No. de Canales	Diám. de Zanco Pulgs.	Diám. de Zanco mm.	Long. Cuerda Pulgs.	Long. Cuerda mm.	Long. Total Pulgs.	Long. Total mm.	Acabado Brillante
1/16	27	4	.3125	7.94	11/16	17.46	2-1/8	53.98	C64036
1/8*	27	4	.3125	7.94	3/4	19.05	2-1/8	53.98	C64037
1/8	27	4	.4375	11.11	3/4	19.05	2-1/8	53.98	C64038
1/4	18	4	.5625	14.29	1-1/16	26.99	2-7/16	61.91	C64039
3/8	18	4	.7000	17.78	1-1/16	26.99	2-9/16	65.09	C64040
1/2	14	4	.6875	17.46	1-3/8	34.93	3-1/8	79.38	C64041
3/4	14	5	.9063	23.02	1-3/8	34.93	3-1/4	82.55	C64042
1	11-1/2	5	1.1250	28.58	1-3/4	44.45	3-1/4	95.25	C64043
1-1/4	11-1/2	5	1.3125	33.34	1-3/4	44.45	4	101.60	C64044
1-1/2	11-1/2	7	1.5000	38.10	1-3/4	44.45	1-1/4	107.95	C64045
2	11-1/2	7	1.8750	47.63	1-3/4	44.45	4-1/2	114.30	C64046

*zanco corto

Lista 963B Machuelo para Tubo, Acero Alta Velocidad Rosca Derecha (NPS)

CARACTERÍSTICAS

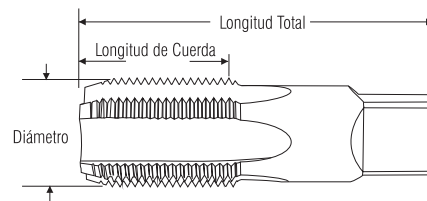
USCTI 311	SUSTRATO
USO GENERAL	BRILLANTE
NPS	3/4" / 12"
NPSF DRYSEAL	MOD 3-5
ROSCA RECTIFICADA	

APLICACIONES

ACERO ALEADO PARA HERRAMIENTA
ACERO AL CARBÓN



Lista 963B Machuelo para Tubo (NPS)



Diámetro Fraccional	Hilos x Pulgada	No. de Canales	Diám. de Zanco Pulgs.	Diám. de Zanco mm.	Long. de Cuerda Pulgs.	Long. de Cuerda mm.	Longitud Total Pulgs.	Longitud Total mm.	Acabado Brillante
1/8*	27	4	.3125	7.94	3/4	19.05	2-1/8	53.98	C64115
1/8	27	4	.4375	11.11	3/4	19.05	2-1/8	53.98	C64116
1/4	18	4	.5625	14.29	1-1/16	26.99	2-7/16	63.91	C64117
3/8	18	4	.7000	17.78	1-1/16	26.99	2-9/16	65.09	C64118
1/2	14	4	.6875	17.46	1-3/8	34.93	3-1/8	79.38	C64119
3/4	14	5	.9063	23.02	1-3/8	34.93	3-1/4	82.55	C64120
1	11-1/2	5	1.1250	28.58	1-3/4	44.45	3-3/4	95.25	C64121

*zanco corto