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HERRAMIENTAS PARA TUBO



Cód. 302.081
pág. 104



Cód. 321.281
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Cód. 304.101
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Cód. 332.511
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Cód. 307.301
pág. 104



Cód. 330.021
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Cód. 303.081
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Cód. 540.021
pág. 106



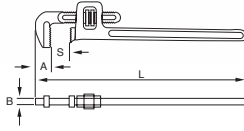
Cód. 315.021
pág. 105

LLAVE STILLSON

UNE 16552



- Acero forjado, templado
- Temple local del dentado 55-60 HRc
- Mango y caja pintados epoxy



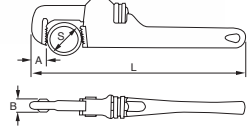
COD.	L	S	A	B	L	grs.	u.
302.081	8"	1"	19	11	210	290	3
302.101	10"	1.3/8"	25	15	260	620	3
302.121	12"	1.3/4"	26	17	310	800	3
302.141	14"	2"	28	19	365	1.120	3
302.181	18"	2.3/8"	30	23	465	1.890	1
302.241	24"	3"	39	26	615	3.200	1
302.361	36"	4"	48	30	900	6.100	1

LLAVE DE ALUMINIO

UNE 16554



- Cómodo mango de aleación de aluminio con sección en doble T
- Ligera, 40% menos de peso y de gran resistencia



COD.	L	S	A	B	L	grs.	u.
304.101	10"	1.1/2"	22	17	250	430	2
304.141	14"	2"	26	21	350	950	2
304.181	18"	2.1/2"	29	26	450	1.650	1
304.241	24"	3"	33	28	600	2.500	1
304.361	36"	5"	44	32	900	5.200	1



BOCA MÓVIL

COD.	L	u.
302.401	8"	1
302.411	10"	1
302.421	12"	1
302.431	14"	1
302.441	18"	1
302.451	24"	1
302.461	36"	1



TUERCA

COD.	L	u.
302.501	8"	1
302.511	10"	1
302.521	12"	1
302.531	14"	1
302.541	18"	1
302.551	24"	1
302.561	36"	1



BOCA MÓVIL

COD.	L	u.
304.411	10"	1
304.431	14"	1
304.441	18"	1
304.451	24"	1
304.461	36"	1



TUERCA

COD.	L	u.
304.511	10"	1
304.531	14"	1
304.541	18"	1
304.551	24"	1
304.561	36"	1



BOCA FIJA

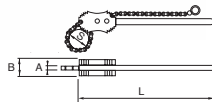
COD.	L	u.
304.611	10"	1
304.631	14"	1
304.641	18"	1
304.651	24"	1
304.661	36"	1

LLAVE DE CADENA PARA TUBOS

UNE 16555



- Acero forjado
- Pintura epoxi al horno
- Dientes templados



COD.	Desig.	S	A	B	L	grs.	u.
307.301	N. 30	1/5" - 1.1/2"	8 - 14	38,5	350	1.300	1
307.311	N. 31	1/8" - 2.1/2"	9 - 16	52	545	2.550	1
307.321	N. 32	1/4" - 4"	12 - 21	63	680	5.200	1
307.331	N. 33	3/4" - 6"	12 - 21	78	880	10.800	1



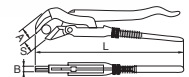
COD.	L
307.401	Cadena para N-30 340 mm
307.411	Cadena para N-31 475 mm
307.421	Cadena para N-32 560 mm
307.431	Cadena para N-33 830 mm

LLAVE PARA TUBO MODELO SUECO

UNE 16523

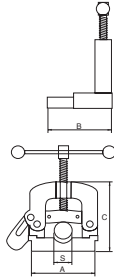


- Acero forjado
- Pintura epoxi al horno
- Dientes templados



COD.	S	A	B	L	grs.	u.
303.081	1/2"	20	8	240	665	1
303.111	1"	25	11	315	1.145	1
303.121	1.1/2"	27	12	425	1.890	1
303.131	2"	30	13	550	3.275	1
303.171	3"	36	17	655	6.425	1

TORNILLO DE BANCO PARA TUBO

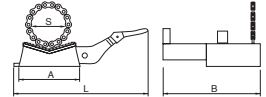


- Mordazas de acero forjado
- Cuerpo de fundición maleable
- Esmaltado
- Zincado

COD.	S	A	B	C	grs.
315.021	1/8" - 2"	160	131	208	4.350
315.101		Mordaza inferior			
315.111		Mordaza superior			

MORDAZA DE BANCO CON CADENA

UNE 16560



- Mordazas de acero forjado
- Cuerpo de fundición maleable
- Esmaltado
- Zincado

COD.	S	A	B	L	grs.
317.051	1/8" - 4"	125	131	395	5.525
317.111		Cadena de repuesto			

CORTATUBOS

UNE 16549

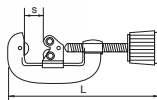


- Esmaltado
- Fosfatado

MINICORTATUBOS PARA TUBOS DE COBRE

COD.	S	Capacidad	L	grs.	
321.161	1/8" - 5/8"	3 - 16	58	122	2

UNE 16557

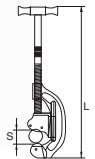


- Esmaltado
- Fosfatado

CORTATUBOS PARA TUBOS DE COBRE

COD.	S	Capacidad	L	grs.	
321.281	1/8" - 1.1/8"	3 - 30	30	321	1
321.321	1/8" - 1.3/8"	3 - 35	35	393	1

UNE 16548

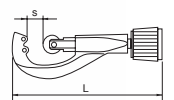


- Esmaltado
- Fosfatado

CORTATUBOS PARA TUBOS DE ACERO

COD.	S	Capacidad	L	grs.	
321.501	1/8" - 2"	3 - 50	385	2.520	1

UNE 16558



- Esmaltado
- Fosfatado

CORTATUBOS TELESCÓPICO PARA TUBOS DE COBRE

COD.	S	Capacidad	L	grs.	
321.351	1/8" - 1.3/8"	3 - 35	167	389	1



CUCHILLAS DE REPUESTO

COD.		D	d	E	grs.	u.
321.511	para	321.161	20	5	5	1
		321.281	20	5	5	1
		321.321	20	5	5	1
		321.351	20	5	5	1
321.551	para	321.501	31	9	19	28
	para	324.041	41	9	19	50



SACABOCADOS PARA ARANDELAS Y JUNTAS



Envase metálico 145 x 75 x 40 mm.

COD.	Nº Pzas.	grs.
332.511	11	700
10 bocas: 3, 4, 6, 8, 10, 12, 14, 16, 18, 20 1 mango 332.721 3-20		



Envase metálico 155 x 115 x 45 mm.

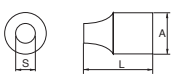
COD.	Nº Pzas.	grs.
332.521	16	1.200
15 bocas: 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 1 mango 332.731 3-30		



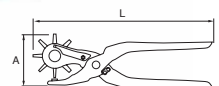
Modo de utilización del bloque:

Colocar el conjunto de bloque y bocas necesarias sobre la mesa de trabajo, con los filos hacia arriba. Posicionar convenientemente el material de juntas que va a ser cortado. Con un martillo de boca de nylon realizar primero el corte central. (Las bocas menores, de 3 a 10 mm, son ligeramente más largas para facilitar la operación). Completar el trabajo realizando el corte exterior.

SACABOCADOS



COD.	S	Tipo	A	L	grs.
333.031	3	1/2 x 24 Z"	14	31	15
333.041	4	1/2 x 24 Z"	14	31	15
333.061	6	1/2 x 24 Z"	14	31	15
333.081	8	1/2 x 24 Z"	14	31	15
333.101	10	1/2 x 24 Z"	14	31	15
333.121	12	Lisa	25	30	30
333.141	14	Lisa	25	30	30
333.161	16	Lisa	25	30	30
333.181	18	Lisa	25	30	30
333.201	20	Lisa	25	30	30
333.221	22	Lisa	35	35	50
333.241	24	Lisa	35	35	50
333.261	26	Lisa	35	35	50
333.281	28	Lisa	35	35	50
333.301	30	Lisa	35	35	50



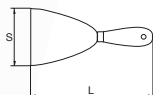
SACABOCADOS REVÓLVER

COD.	Capacidad	A	L	grs.
330.021	6 bocas 2-2, 5-3-3, 5-4-4, 5	90	220	260

- Sacabocados intercambiables
- Para el corte de arandelas o juntas
- Cortan todos los materiales de juntas: Cuero, goma, carton, fibra, amianto, Plomo, fieltro, plastico, etc.
- Tres afilados de boca: interno, externo y corte
- Bocas fabricadas con acero aleado, Y templadas en atmosfera protegida.

ESPÁTULAS

DIN 7216 UNE 16608



MANGO PLÁSTICO, TEMPLADA FLEXIBLE

COD.	S	L	grs.	u.
540.021	20	220	50	10
540.031	30	220	55	10
540.041	40	220	60	10
540.051	50	220	65	10
540.061	60	220	70	10
540.071	70	220	75	10
540.081	80	220	80	10
540.091	90	220	85	10
540.101	100	220	90	10
540.121	120	220	100	10

TABLA DE CONVERSIÓN DE PULGADAS EN MM.

1" = 25,4 mm.

"	0	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	"
	mm.	25,400	50,800	76,200	101,600	127,000	152,400	177,800	203,200	228,600	254,000	279,400	304,800	
1/64	0,397	25,797	51,197	76,597	102,997	127,400	152,800	178,200	203,600	229,000	254,400	279,800	305,200	1/64
1/32	0,794	26,194	51,594	76,994	103,394	127,790	153,190	178,600	204,000	229,390	254,790	280,190	305,590	1/32
3/64	1,191	26,591	51,991	77,391	103,791	128,190	153,590	179,000	204,390	229,790	255,190	280,590	305,990	3/64
1/16	1,588	26,988	52,388	77,788	104,188	128,590	153,990	179,390	204,790	230,190	255,590	280,990	306,390	1/16
5/64	1,984	27,384	52,784	78,184	104,584	128,990	154,388	179,788	205,188	230,588	255,988	281,388	306,788	5/64
3/32	2,381	27,781	53,181	78,581	104,981	129,388	154,788	180,188	205,588	230,988	256,388	281,788	307,188	3/32
7/64	2,778	28,178	53,578	78,978	105,378	129,788	155,188	180,588	205,988	231,388	256,788	282,188	307,588	7/64
1/8	3,175	28,575	53,975	79,375	105,775	130,188	155,588	180,988	206,388	231,788	257,188	282,588	307,988	1/8
9/64	3,572	28,972	54,372	79,772	106,172	130,588	155,988	181,388	206,788	232,188	257,588	282,988	308,388	9/64
5/32	3,969	29,369	54,769	80,169	106,569	130,988	156,388	181,788	207,188	232,588	257,988	283,388	308,788	5/32
11/64	4,366	29,766	55,166	80,566	106,966	131,388	156,788	182,188	207,588	232,988	258,388	283,788	309,188	11/64
3/16	4,763	30,163	55,563	80,963	107,363	131,788	157,188	182,588	207,988	233,388	258,788	284,188	309,588	3/16
13/64	5,159	30,559	55,959	81,359	107,759	132,188	157,588	182,988	208,388	233,788	259,188	284,588	309,988	13/64
7/32	5,556	30,956	56,356	81,756	108,156	132,588	157,988	183,388	208,788	234,188	259,588	284,988	310,388	7/32
15/64	5,953	31,353	56,753	82,153	108,553	132,988	158,388	183,788	209,188	234,588	259,988	285,388	310,788	15/64
1/4	6,350	31,750	57,150	82,550	108,950	133,388	158,788	184,188	209,588	234,988	260,388	285,788	311,188	1/4
17/64	6,747	32,147	57,547	82,947	109,347	133,788	159,188	184,588	209,988	235,388	260,788	286,188	311,588	17/64
9/32	7,144	32,544	57,944	83,344	109,744	134,188	159,588	184,988	210,388	235,788	261,188	286,588	311,988	9/32
19/64	7,541	32,941	58,341	83,741	109,141	134,588	159,988	185,388	210,788	236,188	261,588	286,988	312,388	19/64
5/16	7,938	33,338	58,738	84,138	109,538	134,988	160,388	185,788	211,188	236,588	261,988	287,388	312,788	5/16
21/64	8,344	33,734	59,134	84,534	109,934	135,388	160,788	186,188	211,588	236,988	262,388	287,788	313,188	21/64
11/32	8,731	34,131	59,531	84,931	110,331	135,788	161,188	186,588	211,988	237,388	262,788	288,188	313,588	11/32
23/64	9,128	34,528	59,928	85,328	110,728	136,188	161,588	186,988	212,388	237,788	263,188	288,588	313,988	23/64
3/8	9,525	34,925	60,325	85,725	111,125	136,588	161,988	187,388	212,788	238,188	263,588	288,988	314,388	3/8
25/64	9,922	35,322	60,722	86,122	111,522	136,988	162,388	187,788	213,188	238,588	263,988	289,388	314,788	25/64
13/32	10,319	35,719	61,119	86,519	111,919	137,388	162,788	188,188	213,588	238,988	264,388	289,788	315,188	13/32
27/64	10,716	36,116	61,516	86,916	112,316	137,788	163,188	188,588	213,988	239,388	264,788	290,188	315,588	27/64
7/16	11,113	36,513	61,913	87,313	112,713	138,188	163,588	188,988	214,388	239,788	265,188	290,588	315,988	7/16
29/64	11,509	36,909	62,309	87,709	113,109	138,588	163,988	189,388	214,788	240,188	265,588	290,988	316,388	29/64
15/32	11,906	37,306	62,706	88,106	113,506	138,988	164,388	189,788	215,188	240,588	265,988	291,388	316,788	15/32
31/64	12,303	37,703	63,103	88,503	113,903	139,388	164,788	190,188	215,588	240,988	266,388	291,788	317,188	31/64
1/2	12,700	38,100	63,500	88,900	114,300	139,788	165,188	190,588	215,988	241,388	266,788	292,188	317,588	1/2
33/64	13,097	38,497	63,897	89,297	114,697	140,188	165,588	190,988	216,388	241,788	267,188	292,588	317,988	33/64
17/32	13,494	38,894	64,294	89,694	115,094	140,588	165,988	191,388	216,788	242,188	267,588	292,988	318,388	17/32
35/64	13,891	39,291	64,691	90,091	115,491	140,988	166,388	191,788	217,188	242,588	267,988	293,388	318,788	35/64
9/16	14,288	39,688	65,088	90,488	115,888	141,388	166,788	192,188	217,588	242,988	268,388	293,788	319,188	9/16
37/64	14,684	40,084	65,484	90,884	116,284	141,788	167,188	192,588	217,988	243,388	268,788	294,188	319,588	37/64
19/32	15,081	40,481	65,881	91,281	116,681	142,188	167,588	192,988	218,388	243,788	269,188	294,588	319,988	19/32
39/64	15,478	40,878	66,278	91,678	117,078	142,588	167,988	193,388	218,788	244,188	269,588	294,988	320,388	39/64
5/8	15,875	41,275	66,675	92,075	117,475	142,988	168,388	193,788	219,188	244,588	269,988	295,388	320,788	5/8
41/64	16,272	41,672	67,072	92,472	117,872	143,388	168,788	194,188	219,588	244,988	270,388	295,788	321,188	41/64
21/32	16,669	42,069	67,469	92,869	118,269	143,788	169,188	194,588	219,988	245,388	270,788	296,188	321,588	21/32
43/64	17,066	42,466	67,866	93,266	118,666	144,188	169,588	194,988	220,388	245,788	271,188	296,588	321,988	43/64
11/16	17,463	42,863	68,263	93,663	119,063	144,588	169,988	195,388	220,788	246,188	271,588	296,988	322,388	11/16
45/64	17,859	43,259	68,659	94,059	119,459	144,988	170,388	195,788	221,188	246,588	271,988	297,388	322,788	45/64
23/32	18,256	43,656	69,056	94,456	119,856	145,388	170,788	196,188	221,588	246,988	272,388	297,788	323,188	23/32
47/64	18,653	44,053	69,453	94,853	120,253	145,788	171,188	196,588	221,988	247,388	272,788	298,188	323,588	47/64
3/4	19,050	44,450	69,850	95,250	120,650	146,188	171,588	196,988	222,388	247,788	273,188	298,588	323,988	3/4
49/64	19,447	44,847	70,247	95,647	121,047	146,588	171,988	197,388	222,788	248,188	273,588	298,988	324,388	49/64
25/32	19,844	45,244	70,644	96,044	121,444	146,988	172,388	197,788	223,188	248,588	273,988	299,388	324,788	25/32
51/64	20,241	45,641	71,041	96,441	121,841	147,388	172,788	198,188	223,588	248,988	274,388	299,788	325,188	51/64
13/16	20,638	46,038	71,438	96,838	122,238	147,788	173,188	198,588	223,988	249,388	274,788	300,188	325,588	13/16
53/64	21,034	46,434	71,834	97,234	122,634	148,188	173,588	198,988	224,388	249,788	275,188	300,588	325,988	53/64
27/32	21,432	46,831	72,231	97,631	123,031	148,588	173,988	199,388	224,788	250,188	275,588	300,988	326,388	27/32
55/64	21,828	47,228	72,628	98,028	123,428	148,988	174,388	199,788	225,188	250,588	275,988	301,388	326,788	55/64
7/8	22,225	47,625	73,025	98,425	123,825	149,388	174,788	200,188	225,588	250,988	276,388	301,788	327,188	7/8
57/64	22,622	48,022	73,422	98,822	124,222	149,788	175,188	200,588	225,988	251,388	276,788	302,188	327,588	57/64
29/32	23,019	48,419	73,819	99,219	124,619	150,188	175,588	200,988	226,388	251,788	277,188	302,588	327,988	29/32
59/64	23,416	48,816	74,216	99,616	125,016	150,588	175,988	201,388	226,788	252,188	277,588	302,988	328,388	59/64
15/16	23,813	49,213	74,613	100,013	125,413	150,988	176,388	201,788	227,188	252,588	277,988	303,388	328,788	15/16
61/64	24,209	49,609	75,009	100,409	125,809	151,388	176,788	202,188	227,588	252,988	278,388	303,788	329,188	61/64
31/32	24,606	50,006	75,406	100,806	126,206	151,788	177,188	202,588	227,988	253,388	278,788	304,188	329,588	31/32
63/64	25,003	50,403	75,803	101,203	126,603	152,188	177,588	202,988	228,388	253,788	279,188	304,588	329,988	63/64



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