



Punte codolo conico Morse Serie corta, taglio destro

Geometria	Elica normale ca.30°, taglio destro
Angolo al vertice	118° da 14,25 mm a 76 mm con assottigliamento del nucleo
Trattamento Superficiale	Senza trattamento sotto 2,5 mm Steam tempering da 2,5 mm in poi
Applicazione	Punte per impieghi generici

Entry Code	d ₁ Øh ₈ Inch	d ₁ Øh ₈ mm	l ₂ mm	l ₁ mm	MK	Entry Code	d ₁ Øh ₈ Inch	d ₁ Øh ₈ mm	l ₂ mm	l ₁ mm	MK
A1302.0		2,00	24	105	1	A1306.3		6,30	63	144	1
A1302.5		2,50	30	111	1	A1301/4	1/4	6,35	63	144	1
A1303.0		3,00	33	114	1	A1306.4		6,40	63	144	1
A1301/8	1/8	3,18	36	117	1	A1306.5		6,50	63	144	1
A1303.2		3,20	36	117	1	A1306.6		6,60	63	144	1
A1303.25		3,25	36	117	1	A1306.7		6,70	63	144	1
A1303.3		3,30	36	117	1	A13017/64	17/64	6,75	69	150	1
A1303.5		3,50	39	120	1	A1306.75		6,75	69	150	1
A1309/64	9/64	3,57	39	120	1	A1306.8		6,80	69	150	1
A1303.75		3,75	39	120	1	A1306.9		6,90	69	150	1
A1305/32	5/32	3,97	43	124	1	A1307.0		7,00	69	150	1
A1304.0		4,00	43	124	1	A1309/32	9/32	7,14	69	150	1
A1304.1		4,10	43	124	1	A1307.2		7,20	69	150	1
A1304.2		4,20	43	124	1	A1307.25		7,25	69	150	1
A1304.25		4,25	43	124	1	A1307.3		7,30	69	150	1
A13011/64	11/64	4,37	47	128	1	A1307.4		7,40	69	150	1
A1304.5		4,50	47	128	1	A1307.5		7,50	69	150	1
A1303/16	3/16	4,76	52	133	1	A13019/64	19/64	7,54	75	156	1
A1304.9		4,90	52	133	1	A1307.7		7,70	75	156	1
A1305.0		5,00	52	133	1	A1307.75		7,75	75	156	1
A1305.1		5,10	52	133	1	A1307.8		7,80	75	156	1
A13013/64	13/64	5,16	52	133	1	A1307.9		7,90	75	156	1
A1305.2		5,20	52	133	1	A1305/16	5/16	7,94	75	156	1
A1305.25		5,25	52	133	1	A1308.0		8,00	75	156	1
A1305.4		5,40	57	138	1	A1308.1		8,10	75	156	1
A1305.5		5,50	57	138	1	A1308.2		8,20	75	156	1
A1307/32	7/32	5,56	57	138	1	A1308.25		8,25	75	156	1
A1305.7		5,70	57	138	1	A1308.3		8,30	75	156	1
A1305.75		5,75	57	138	1	A13021/64	21/64	8,33	75	156	1
A1305.8		5,80	57	138	1	A1308.4		8,40	75	156	1
A1305.9		5,90	57	138	1	A1308.5		8,50	75	156	1
A13015/64	15/64	5,95	57	138	1	A1308.6		8,60	81	162	1
A1306.0		6,00	57	138	1	A1308.7		8,70	81	162	1
A1306.1		6,10	63	144	1	A13011/32	11/32	8,73	81	162	1
A1306.2		6,20	63	144	1	A1308.75		8,75	81	162	1
A1306.25		6,25	63	144	1	A1308.8		8,80	81	162	1

A130 HSS



DIN 345 RN/ISO 235

Entry Code	d ₁ Øh ₈ Inch	d ₁ Øh ₈ mm	l ₂ mm	l ₁ mm	MK	Entry Code	d ₁ Øh ₈ Inch	d ₁ Øh ₈ mm	l ₂ mm	l ₁ mm	MK
A1308.9		8,90	81	162	1	A13013.2		13,20	101	182	1
A1309.0		9,00	81	162	1	A13013.25		13,25	108	189	1
A1309.1		9,10	81	162	1	A13017/32	17/32	13,49	108	189	1
A13023/64	23/64	9,13	81	162	1	A13013.5		13,50	108	189	1
A1309.2		9,20	81	162	1	A13013.6		13,60	108	189	1
A1309.25		9,25	81	162	1	A13013.7		13,70	108	189	1
A1309.3		9,30	81	162	1	A13013.75		13,75	108	189	1
A1309.5		9,50	81	162	1	A13013.8		13,80	108	189	1
A1303/8	3/8	9,53	87	168	1	A13035/64	35/64	13,89	108	189	1
A1309.6		9,60	87	168	1	A13013.9		13,90	108	189	1
A1309.7		9,70	87	168	1	A13014.0		14,00	108	189	1
A1309.75		9,75	87	168	1	A13014.1		14,10	114	212	2
A1309.8		9,80	87	168	1	A13014.2		14,20	114	212	2
A1309.9		9,90	87	168	1	A13014.25		14,25	114	212	2
A13025/64	25/64	9,92	87	168	1	A1309/16	9/16	14,29	114	212	2
A13010.0		10,00	87	168	1	A13014.3		14,30	114	212	2
A13010.1		10,10	87	168	1	A13014.4		14,40	114	212	2
A13010.2		10,20	87	168	1	A13014.5		14,50	114	212	2
A13010.25		10,25	87	168	1	A13014.6		14,60	114	212	2
A13010.3		10,30	87	168	1	A13037/64	37/64	14,68	114	212	2
A13013/32	13/32	10,32	87	168	1	A13014.7		14,70	114	212	2
A13010.4		10,40	87	168	1	A13014.75		14,75	114	212	2
A13010.5		10,50	87	168	1	A13014.8		14,80	114	212	2
A13010.6		10,60	87	168	1	A13014.9		14,90	114	212	2
A13010.7		10,70	94	175	1	A13015.0		15,00	114	212	2
A13027/64	27/64	10,72	94	175	1	A13019/32	19/32	15,08	120	218	2
A13010.75		10,75	94	175	1	A13015.1		15,10	120	218	2
A13010.8		10,80	94	175	1	A13015.2		15,20	120	218	2
A13010.9		10,90	94	175	1	A13015.25		15,25	120	218	2
A13011.0		11,00	94	175	1	A13039/64	39/64	15,48	120	218	2
A13011.1		11,10	94	175	1	A13015.5		15,50	120	218	2
A1307/16	7/16	11,11	94	175	1	A13015.7		15,70	120	218	2
A13011.2		11,20	94	175	1	A13015.75		15,75	120	218	2
A13011.25		11,25	94	175	1	A13015.8		15,80	120	218	2
A13011.3		11,30	94	175	1	A1305/8	5/8	15,88	120	218	2
A13011.4		11,40	94	175	1	A13015.9		15,90	120	218	2
A13011.5		11,50	94	175	1	A13016.0		16,00	120	218	2
A13029/64	29/64	11,51	94	175	1	A13016.1		16,10	125	223	2
A13011.6		11,60	94	175	1	A13016.2		16,20	125	223	2
A13011.7		11,70	94	175	1	A13016.25		16,25	125	223	2
A13011.75		11,75	94	175	1	A13041/64	41/64	16,27	125	223	2
A13011.8		11,80	94	175	1	A13016.5		16,50	125	223	2
A13011.9		11,90	101	182	1	A13021/32	21/32	16,67	125	223	2
A13015/32	15/32	11,91	101	182	1	A13016.75		16,75	125	223	2
A13012.0		12,00	101	182	1	A13017.0		17,00	125	223	2
A13012.1		12,10	101	182	1	A13043/64	43/64	17,07	130	228	2
A13012.2		12,20	101	182	1	A13017.1		17,10	130	228	2
A13012.25		12,25	101	182	1	A13017.2		17,20	130	228	2
A13012.3		12,30	101	182	1	A13017.25		17,25	130	228	2
A13031/64	31/64	12,30	101	182	1	A13017.3		17,30	130	228	2
A13012.4		12,40	101	182	1	A13017.4		17,40	130	228	2
A13012.5		12,50	101	182	1	A13011/16	11/16	17,46	130	228	2
A13012.6		12,60	101	182	1	A13017.5		17,50	130	228	2
A13012.7		12,70	101	182	1	A13017.7		17,70	130	228	2
A1301/2	1/2	12,70	101	182	1	A13017.75		17,75	130	228	2
A13012.75		12,75	101	182	1	A13017.8		17,80	130	228	2
A13012.8		12,80	101	182	1	A13045/64	45/64	17,86	130	228	2
A13012.9		12,90	101	182	1	A13017.9		17,90	130	228	2
A13013.0		13,00	101	182	1	A13018.0		18,00	130	228	2
A13033/64	33/64	13,10	101	182	1	A13018.1		18,10	135	233	2

Entry Code	d ₁ Øh ₈ Inch	d ₁ Øh ₈ mm	l ₂ mm	l ₁ mm	MK	Entry Code	d ₁ Øh ₈ Inch	d ₁ Øh ₈ mm	l ₂ mm	l ₁ mm	MK
A13018.2		18,20	135	233	2	A13031/32	31/32	24,61	160	281	3
A13018.25		18,25	135	233	2	A13024.75		24,75	160	281	3
A13023/32	23/32	18,26	135	233	2	A13025.0		25,00	160	281	3
A13018.3		18,30	135	233	2	A13063/64	63/64	25,00	165	286	3
A13018.4		18,40	135	233	2	A13025.25		25,25	165	286	3
A13018.5		18,50	135	233	2	A1301	1.	25,40	165	286	3
A13047/64	47/64	18,65	135	233	2	A13025.5		25,50	165	286	3
A13018.75		18,75	135	233	2	A13025.75		25,75	165	286	3
A13018.8		18,80	135	233	2	A13026.0		26,00	165	286	3
A13018.9		18,90	135	233	2	A1301.1/32	1.1/32	26,19	165	286	3
A13019.0		19,00	135	233	2	A13026.25		26,25	165	286	3
A1303/4	3/4	19,05	140	238	2	A13026.5		26,50	165	286	3
A13019.1		19,10	140	238	2	A13026.75		26,75	170	291	3
A13019.2		19,20	140	238	2	A1301.1/16	1.1/16	26,99	170	291	3
A13019.25		19,25	140	238	2	A13027.0		27,00	170	291	3
A13049/64	49/64	19,45	140	238	2	A13027.25		27,25	170	291	3
A13019.5		19,50	140	238	2	A13027.5		27,50	170	291	3
A13019.75		19,75	140	238	2	A13027.75		27,75	170	291	3
A13019.8		19,80	140	238	2	A1301.3/32	1.3/32	27,78	170	291	3
A13025/32	25/32	19,84	140	238	2	A13028.0		28,00	170	291	3
A13020.0		20,00	140	238	2	A13028.25		28,25	175	296	3
A13020.1		20,10	145	243	2	A13028.5		28,50	175	296	3
A13020.2		20,20	145	243	2	A1301.1/8	1.1/8	28,58	175	296	3
A13051/64	51/64	20,24	145	243	2	A13028.75		28,75	175	296	3
A13020.25		20,25	145	243	2	A13029.0		29,00	175	296	3
A13020.4		20,40	145	243	2	A13029.25		29,25	175	296	3
A13020.5		20,50	145	243	2	A1301.5/32	1.5/32	29,37	175	296	3
A13013/16	13/16	20,64	145	243	2	A13029.5		29,50	175	296	3
A13020.75		20,75	145	243	2	A13029.75		29,75	175	296	3
A13020.8		20,80	145	243	2	A13030.0		30,00	175	296	3
A13021.0		21,00	145	243	2	A1301.3/16	1.3/16	30,16	180	301	3
A13053/64	53/64	21,03	145	243	2	A13030.25		30,25	180	301	3
A13021.1		21,10	145	243	2	A13030.5		30,50	180	301	3
A13021.25		21,25	150	248	2	A13030.75		30,75	180	301	3
A13027/32	27/32	21,43	150	248	2	A1301.7/32	1.7/32	30,96	180	301	3
A13021.5		21,50	150	248	2	A13031.0		31,00	180	301	3
A13021.6		21,60	150	248	2	A13031.25		31,25	180	301	3
A13021.7		21,70	150	248	2	A13031.5		31,50	180	301	3
A13021.75		21,75	150	248	2	A13031.75		31,75	185	306	3
A13055/64	55/64	21,83	150	248	2	A1301.1/4	1.1/4	31,75	185	306	3
A13022.0		22,00	150	248	2	A13032.0		32,00	185	334	4
A13022.1		22,10	150	248	2	A13032.5		32,50	185	334	4
A13022.2		22,20	150	248	2	A1301.9/32	1.9/32	32,54	185	334	4
A1307/8	7/8	22,23	150	248	2	A13033.0		33,00	185	334	4
A13022.25		22,25	150	248	2	A1301.5/16	1.5/16	33,34	185	334	4
A13022.3		22,30	150	248	2	A13033.5		33,50	185	334	4
A13022.5		22,50	155	253	2	A13034.0		34,00	190	339	4
A13057/64	57/64	22,62	155	253	2	A1301.11/32	1.11/32	34,13	190	339	4
A13022.75		22,75	155	253	2	A13034.5		34,50	190	339	4
A13023.0		23,00	155	253	2	A1301.3/8	1.3/8	34,93	190	339	4
A13029/32	29/32	23,02	155	253	2	A13035.0		35,00	190	339	4
A13023.25		23,25	155	276	3	A13035.5		35,50	190	339	4
A13059/64	59/64	23,42	155	276	3	A1301.13/32	1.13/32	35,72	195	344	4
A13023.5		23,50	155	276	3	A13036.0		36,00	195	344	4
A13023.75		23,75	160	281	3	A13036.5		36,50	195	344	4
A13015/16	15/16	23,81	160	281	3	A1301.7/16	1.7/16	36,51	195	344	4
A13024.0		24,00	160	281	3	A13037.0		37,00	195	344	4
A13061/64	61/64	24,21	160	281	3	A13037.5		37,50	195	344	4
A13024.25		24,25	160	281	3	A13038.0		38,00	200	349	4
A13024.5		24,50	160	281	3	A1301.1/2	1.1/2	38,10	200	349	4

A130 HSS



DIN 345 RN/ISO 235

Entry Code	d ₁ Øh ₈ Inch	d ₁ Øh ₈ mm	l ₂ mm	l ₁ mm	MK	Entry Code	d ₁ Øh ₈ Inch	d ₁ Øh ₈ mm	l ₂ mm	l ₁ mm	MK
A13038.5		38,50	200	349	4	A13055.0		55,00	230	417	5
A13039.0		39,00	200	349	4	A13056.0		56,00	230	417	5
A13039.5		39,50	200	349	4	A13057.0		57,00	235	422	5
A1301.9/16	1.9/16	39,69	200	349	4	A1302.1/4	2.1/4	57,15	235	422	5
A13040.0		40,00	200	349	4	A13058.0		58,00	235	422	5
A13040.5		40,50	205	354	4	A13059.0		59,00	235	422	5
A13041.0		41,00	205	354	4	A13060.0		60,00	235	422	5
A1301.5/8	1.5/8	41,28	205	354	4	A1302.3/8	2.3/8	60,33	240	427	5
A13041.5		41,50	205	354	4	A13061.0		61,00	240	427	5
A13042.0		42,00	205	354	4	A13062.0		62,00	240	427	5
A13042.5		42,50	205	354	4	A13063.0		63,00	240	427	5
A1301.11/16	1.11/16	42,86	210	359	4	A1302.1/2	2.1/2	63,50	245	432	5
A13043.0		43,00	210	359	4	A13064.0		64,00	245	432	5
A13043.5		43,50	210	359	4	A13065.0		65,00	245	432	5
A13044.0		44,00	210	359	4	A13066.0		66,00	245	432	5
A1301.3/4	1.3/4	44,45	210	359	4	A1302.5/8	2.5/8	66,68	245	432	5
A13044.5		44,50	210	359	4	A13067.0		67,00	245	432	5
A13045.0		45,00	210	359	4	A13068.0		68,00	250	437	5
A13045.5		45,50	215	364	4	A13069.0		69,00	250	437	5
A13046.0		46,00	215	364	4	A1302.3/4	2.3/4	69,85	250	437	5
A1301.13/16	1.13/16	46,04	215	364	4	A13070.0		70,00	250	437	5
A13046.5		46,50	215	364	4	A13071.0		71,00	250	437	5
A13047.0		47,00	215	364	4	A13072.0		72,00	255	442	5
A13047.5		47,50	215	364	4	A13073.0		73,00	255	442	5
A1301.7/8	1.7/8	47,63	220	369	4	A1302.7/8	2.7/8	73,03	255	442	5
A13048.0		48,00	220	369	4	A13074.0		74,00	255	442	5
A13048.5		48,50	220	369	4	A13075.0		75,00	255	442	5
A13049.0		49,00	220	369	4	A13076.0		76,00	260	447	5
A1301.15/16	1.15/16	49,21	220	369	4	A1303	3.	76,20	260	447	5
A13049.5		49,50	220	369	4	A13077.0		77,00	260	514	6
A13050.0		50,00	220	369	4	A13078.0		78,00	260	514	6
A13050.5		50,50	225	374	4	A13079.0		79,00	260	514	6
A1302	2.	50,80	225	374	4	A13080.0		80,00	260	514	6
A13051.0		51,00	225	412	5	A13085.0		85,00	265	519	6
A13052.0		52,00	225	412	5	A1303.1/2	3.1/2	88,90	270	524	6
A13053.0		53,00	225	412	5	A13090.0		90,00	270	524	6
A1302.1/8	2.1/8	53,98	230	417	5	A13095.0		95,00	275	529	6
A13054.0		54,00	230	417	5	A130100.0		100,00	280	534	6