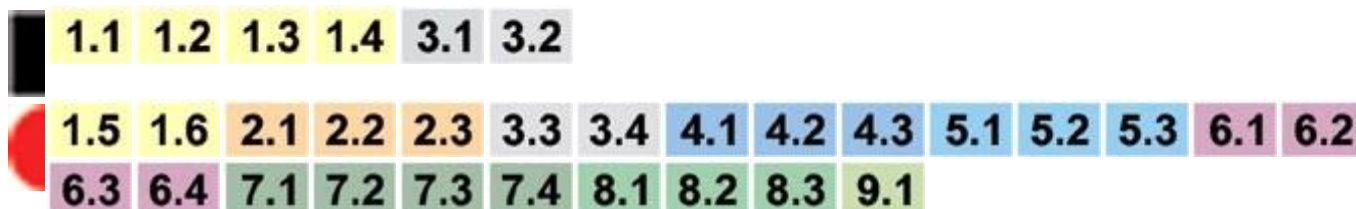


## A130

Broca de Haste Cônica



Acima de 14.0 mm - Ponta adelçada



d <sub>1</sub> Ø <sub>h8</sub> Inch	d <sub>1</sub> Ø <sub>h8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code	BRL
	2.00	0.0787	24	105	1	A1302.0	
	2.50	0.0984	30	111	1	A1302.5	
	3.00	0.1181	33	114	1	A1303.0	
1/8	3.18	0.1252	36	117	1	A1301/8	
	3.20	0.1260	36	117	1	A1303.2	
	3.25	0.1280	36	117	1	A1303.25	
	3.30	0.1299	36	117	1	A1303.3	
	3.50	0.1378	39	120	1	A1303.5	
9/64	3.57	0.1406	39	120	1	A1309/64	
	3.75	0.1476	39	120	1	A1303.75	
5/32	3.97	0.1563	43	124	1	A1305/32	
	4.00	0.1575	43	124	1	A1304.0	
	4.10	0.1614	43	124	1	A1304.1	
	4.20	0.1654	43	124	1	A1304.2	
	4.25	0.1673	43	124	1	A1304.25	
11/64	4.37	0.1720	47	128	1	A13011/64	
	4.50	0.1772	47	128	1	A1304.5	
	4.75	0.1870	52	128	1	A1304.75	
3/16	4.76	0.1874	52	133	1	A1303/16	
	4.80	0.1890	52	133	1	A1304.8	
	4.90	0.1929	52	133	1	A1304.9	
	5.00	0.1969	52	133	1	A1305.0	
	5.10	0.2008	52	133	1	A1305.1	
13/64	5.16	0.2031	52	133	1	A13013/64	

d <sub>1</sub> Øh <sub>8</sub> Inch	d <sub>1</sub> Øh <sub>8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code	BRL
	5.20	0.2047	52	133	1	A1305.2	
	5.25	0.2067	52	133	1	A1305.25	
	5.40	0.2126	57	138	1	A1305.4	
	5.50	0.2165	57	138	1	A1305.5	
7/32	5.56	0.2189	57	138	1	A1307/32	
	5.70	0.2244	57	138	1	A1305.7	
	5.75	0.2264	57	138	1	A1305.75	
	5.80	0.2283	57	138	1	A1305.8	
	5.90	0.2323	57	138	1	A1305.9	
15/64	5.95	0.2343	57	138	1	A13015/64	
	6.00	0.2362	57	138	1	A1306.0	
	6.10	0.2402	63	144	1	A1306.1	
	6.20	0.2441	63	144	1	A1306.2	
	6.25	0.2461	63	144	1	A1306.25	
	6.30	0.2480	63	144	1	A1306.3	
1/4	6.35	0.2500	63	144	1	A1301/4	
	6.40	0.2520	63	144	1	A1306.4	
	6.50	0.2559	63	144	1	A1306.5	
	6.60	0.2598	63	144	1	A1306.6	
	6.70	0.2638	63	144	1	A1306.7	
17/64	6.75	0.2657	69	150	1	A13017/64	
	6.75	0.2657	69	150	1	A1306.75	
	6.80	0.2677	69	150	1	A1306.8	
	6.90	0.2717	69	150	1	A1306.9	
	7.00	0.2756	69	150	1	A1307.0	
9/32	7.14	0.2811	69	150	1	A1309/32	
	7.20	0.2835	69	150	1	A1307.2	
	7.25	0.2854	69	150	1	A1307.25	
	7.30	0.2874	69	150	1	A1307.3	
	7.40	0.2913	69	150	1	A1307.4	
	7.50	0.2953	69	150	1	A1307.5	
19/64	7.54	0.2969	75	156	1	A13019/64	
	7.70	0.3031	75	156	1	A1307.7	
	7.75	0.3051	75	156	1	A1307.75	
	7.80	0.3071	75	156	1	A1307.8	
	7.90	0.3110	75	156	1	A1307.9	
5/16	7.94	0.3126	75	156	1	A1305/16	
	8.00	0.3150	75	156	1	A1308.0	
	8.10	0.3189	75	156	1	A1308.1	
	8.20	0.3228	75	156	1	A1308.2	
	8.25	0.3248	75	156	1	A1308.25	
	8.30	0.3268	75	156	1	A1308.3	
21/64	8.33	0.3280	75	156	1	A13021/64	
	8.40	0.3307	75	156	1	A1308.4	
	8.50	0.3346	75	156	1	A1308.5	

d <sub>1</sub> Øh <sub>8</sub> Inch	d <sub>1</sub> Øh <sub>8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code	BRL
	8.60	0.3386	81	162	1	A1308.6	
	8.70	0.3425	81	162	1	A1308.7	
11/32	8.73	0.3437	81	162	1	A13011/32	
	8.75	0.3445	81	162	1	A1308.75	
	8.80	0.3465	81	162	1	A1308.8	
	8.90	0.3504	81	162	1	A1308.9	
	9.00	0.3543	81	162	1	A1309.0	
	9.10	0.3583	81	162	1	A1309.1	
23/64	9.13	0.3594	81	162	1	A13023/64	
	9.20	0.3622	81	162	1	A1309.2	
	9.25	0.3642	81	162	1	A1309.25	
	9.30	0.3661	81	162	1	A1309.3	
	9.50	0.3740	81	162	1	A1309.5	
3/8	9.52	0.3748	87	168	1	A1303/8	
	9.60	0.3780	87	168	1	A1309.6	
	9.70	0.3819	87	168	1	A1309.7	
	9.75	0.3839	87	168	1	A1309.75	
	9.80	0.3858	87	168	1	A1309.8	
	9.90	0.3898	87	168	1	A1309.9	
25/64	9.92	0.3906	87	168	1	A13025/64	
	10.00	0.3937	87	168	1	A13010.0	
	10.10	0.3976	87	168	1	A13010.1	
	10.20	0.4016	87	168	1	A13010.2	
	10.25	0.4035	87	168	1	A13010.25	
	10.30	0.4055	87	168	1	A13010.3	
13/32	10.32	0.4063	87	168	1	A13013/32	
	10.50	0.4134	87	168	1	A13010.5	
27/64	10.72	0.4220	94	175	1	A13027/64	
	10.75	0.4232	94	175	1	A13010.75	
	10.80	0.4252	94	175	1	A13010.8	
	10.90	0.4291	94	175	1	A13010.9	
	11.00	0.4331	94	175	1	A13011.0	
	11.10	0.4370	94	175	1	A13011.1	
7/16	11.11	0.4374	94	175	1	A1307/16	
	11.20	0.4409	94	175	1	A13011.2	
	11.25	0.4429	94	175	1	A13011.25	
	11.30	0.4449	94	175	1	A13011.3	
	11.40	0.4488	94	175	1	A13011.4	
	11.50	0.4528	94	175	1	A13011.5	
29/64	11.51	0.4531	94	175	1	A13029/64	
	11.60	0.4567	94	175	1	A13011.6	
	11.70	0.4606	94	175	1	A13011.7	
	11.75	0.4626	94	175	1	A13011.75	
	11.80	0.4646	94	175	1	A13011.8	
	11.90	0.4685	101	182	1	A13011.9	

d <sub>1</sub> Øh <sub>8</sub> Inch	d <sub>1</sub> Øh <sub>8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code	BRL
15/32	11.91	0.4689	101	182	1	A13015/32	
	12.00	0.4724	101	182	1	A13012.0	
	12.10	0.4764	101	182	1	A13012.1	
	12.20	0.4803	101	182	1	A13012.2	
	12.25	0.4823	101	182	1	A13012.25	
31/64	12.30	0.4843	101	182	1	A13031/64	
	12.30	0.4843	101	182	1	A13012.3	
	12.40	0.4882	101	182	1	A13012.4	
	12.50	0.4921	101	182	1	A13012.5	
	12.60	0.4961	101	182	1	A13012.6	
	12.70	0.5000	101	182	1	A13012.7	
1/2	12.70	0.5000	101	182	1	A1301/2	
	12.75	0.5020	101	182	1	A13012.75	
	12.80	0.5039	101	182	1	A13012.8	
	12.90	0.5079	101	182	1	A13012.9	
	13.00	0.5118	101	182	1	A13013.0	
33/64	13.10	0.5157	101	182	1	A13033/64	
	13.20	0.5197	101	182	1	A13013.2	
	13.25	0.5217	108	189	1	A13013.25	
17/32	13.49	0.5311	108	189	1	A13017/32	
	13.50	0.5315	108	189	1	A13013.5	
	13.60	0.5354	108	189	1	A13013.6	
	13.70	0.5394	108	189	1	A13013.7	
	13.75	0.5413	108	189	1	A13013.75	
	13.80	0.5433	108	189	1	A13013.8	
35/64	13.89	0.5469	108	189	1	A13035/64	
	13.90	0.5472	108	189	1	A13013.9	
	14.00	0.5512	108	189	1	A13014.0	
	14.10	0.5551	114	212	2	A13014.1	
	14.20	0.5591	114	212	2	A13014.2	
	14.25	0.5610	114	212	2	A13014.25	
9/16	14.29	0.5626	114	212	2	A1309/16	
	14.30	0.5630	114	212	2	A13014.3	
	14.40	0.5669	114	212	2	A13014.4	
	14.50	0.5709	114	212	2	A13014.5	
	14.60	0.5748	114	212	2	A13014.6	
37/64	14.68	0.5780	114	212	2	A13037/64	
	14.70	0.5787	114	212	2	A13014.7	
	14.75	0.5807	114	212	2	A13014.75	
	14.80	0.5827	114	212	2	A13014.8	
	14.90	0.5866	114	212	2	A13014.9	
	15.00	0.5906	114	212	2	A13015.0	
19/32	15.08	0.5937	120	218	2	A13019/32	
	15.10	0.5945	120	218	2	A13015.1	
	15.20	0.5984	120	218	2	A13015.2	

d <sub>1</sub> Øh <sub>8</sub> Inch	d <sub>1</sub> Øh <sub>8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code	BRL
	15.25	0.6004	120	218	2	A13015.25	
39/64	15.48	0.6094	120	218	2	A13039/64	
	15.50	0.6102	120	218	2	A13015.5	
	15.70	0.6181	120	218	2	A13015.7	
	15.75	0.6201	120	218	2	A13015.75	
	15.80	0.6220	120	218	2	A13015.8	
5/8	15.88	0.6252	120	218	2	A1305/8	
	15.90	0.6260	120	218	2	A13015.9	
	16.00	0.6299	120	218	2	A13016.0	
	16.10	0.6339	125	223	2	A13016.1	
	16.20	0.6378	125	223	2	A13016.2	
	16.25	0.6398	125	223	2	A13016.25	
41/64	16.27	0.6406	125	223	2	A13041/64	
	16.50	0.6496	125	223	2	A13016.5	
21/32	16.67	0.6563	125	223	2	A13021/32	
	16.75	0.6594	125	223	2	A13016.75	
	17.00	0.6693	125	223	2	A13017.0	
43/64	17.07	0.6720	130	228	2	A13043/64	
	17.25	0.6791	130	228	2	A13017.25	
11/16	17.46	0.6874	130	228	2	A13011/16	
	17.50	0.6890	130	228	2	A13017.5	
	17.75	0.6988	130	228	2	A13017.75	
45/64	17.86	0.7031	130	228	2	A13045/64	
	18.00	0.7087	130	228	2	A13018.0	
	18.25	0.7185	135	233	2	A13018.25	
23/32	18.26	0.7189	135	233	2	A13023/32	
	18.50	0.7283	135	233	2	A13018.5	
47/64	18.65	0.7343	135	233	2	A13047/64	
	18.75	0.7382	135	233	2	A13018.75	
	19.00	0.7480	135	233	2	A13019.0	
3/4	19.05	0.7500	140	238	2	A1303/4	
	19.25	0.7579	140	238	2	A13019.25	
49/64	19.45	0.7657	140	238	2	A13049/64	
	19.50	0.7677	140	238	2	A13019.5	
	19.75	0.7776	140	238	2	A13019.75	
25/32	19.84	0.7811	140	238	2	A13025/32	
	20.00	0.7874	140	238	2	A13020.0	
51/64	20.24	0.7969	145	243	2	A13051/64	
	20.25	0.7972	145	243	2	A13020.25	
	20.40	0.8031	145	243	2	A13020.4	
	20.50	0.8071	145	243	2	A13020.5	
13/16	20.64	0.8126	145	243	2	A13013/16	
	20.75	0.8169	145	243	2	A13020.75	
	21.00	0.8268	145	243	2	A13021.0	
53/64	21.03	0.8280	145	243	2	A13053/64	

d <sub>1</sub> Øh <sub>8</sub> Inch	d <sub>1</sub> Øh <sub>8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code	BRL
	21.25	0.8366	150	248	2	A13021.25	
27/32	21.43	0.8437	150	248	2	A13027/32	
	21.50	0.8465	150	248	2	A13021.5	
	21.75	0.8563	150	248	2	A13021.75	
55/64	21.83	0.8594	150	248	2	A13055/64	
	22.00	0.8661	150	248	2	A13022.0	
7/8	22.22	0.8748	150	248	2	A1307/8	
	22.25	0.8760	150	248	2	A13022.25	
	22.50	0.8858	155	253	2	A13022.5	
57/64	22.62	0.8906	155	253	2	A13057/64	
	22.75	0.8957	155	253	2	A13022.75	
	23.00	0.9055	155	253	2	A13023.0	
29/32	23.02	0.9063	155	253	2	A13029/32	
	23.25	0.9154	155	276	3	A13023.25	
59/64	23.42	0.9220	155	276	3	A13059/64	
	23.50	0.9252	155	276	3	A13023.5	
	23.75	0.9350	160	281	3	A13023.75	
15/16	23.81	0.9374	160	281	3	A13015/16	
	24.00	0.9449	160	281	3	A13024.0	
61/64	24.21	0.9531	160	281	3	A13061/64	
	24.25	0.9547	160	281	3	A13024.25	
	24.50	0.9646	160	281	3	A13024.5	
31/32	24.61	0.9689	160	281	3	A13031/32	
	24.75	0.9744	160	281	3	A13024.75	
	25.00	0.9843	160	281	3	A13025.0	
63/64	25.00	0.9843	160	286	3	A13063/64	
	25.25	0.9941	165	286	3	A13025.25	
1"	25.40	1.0000	165	286	3	A1301	
	25.50	1.0039	165	286	3	A13025.5	
	25.75	1.0138	165	286	3	A13025.75	
	26.00	1.0236	165	286	3	A13026.0	
	26.25	1.0335	165	286	3	A13026.25	
	26.50	1.0433	165	286	3	A13026.5	
	26.75	1.0531	170	291	3	A13026.75	
1.1/16	26.99	1.0626	170	291	3	A1301.1/16	
	27.00	1.0630	170	291	3	A13027.0	
	27.25	1.0728	170	291	3	A13027.25	
	27.50	1.0827	170	291	3	A13027.5	
	27.75	1.0925	170	291	3	A13027.75	
	28.00	1.1024	170	291	3	A13028.0	
	28.25	1.1122	175	296	3	A13028.25	
	28.50	1.1220	175	296	3	A13028.5	
1.1/8	28.58	1.1252	175	296	3	A1301.1/8	
	28.75	1.1319	175	296	3	A13028.75	
	29.00	1.1417	175	296	3	A13029.0	

d <sub>1</sub> Øh <sub>8</sub> Inch	d <sub>1</sub> Øh <sub>8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code	BRL
	29.25	1.1516	175	296	3	A13029.25	
1.5/32	29.37	1.1563	175	296	3	A1301.5/32	
	29.50	1.1614	175	296	3	A13029.5	
	29.75	1.1713	175	296	3	A13029.75	
	30.00	1.1811	175	296	3	A13030.0	
1.3/16	30.16	1.1874	180	301	3	A1301.3/16	
	30.25	1.1909	180	301	3	A13030.25	
	30.50	1.2008	180	301	3	A13030.5	
	30.75	1.2106	180	301	3	A13030.75	
1.7/32	30.96	1.2189	180	301	3	A1301.7/32	
	31.00	1.2205	180	301	3	A13031.0	
	31.25	1.2303	180	301	3	A13031.25	
	31.50	1.2402	180	301	3	A13031.5	
	31.75	1.2500	185	306	3	A13031.75	
1.1/4	31.75	1.2500	185	306	3	A1301.1/4	
	32.00	1.2598	185	334	4	A13032.0	
	32.50	1.2795	185	334	4	A13032.5	
1.9/32	32.54	1.2811	185	334	4	A1301.9/32	
	33.00	1.2992	185	334	4	A13033.0	
1.5/16	33.34	1.3126	185	334	4	A1301.5/16	
	33.50	1.3189	185	334	4	A13033.5	
	34.00	1.3386	190	339	4	A13034.0	
1.11/32	34.13	1.3437	190	339	4	A1301.11/32	
	34.50	1.3583	190	339	4	A13034.5	
1.3/8	34.93	1.3752	190	339	4	A1301.3/8	
	35.00	1.3780	190	339	4	A13035.0	
	35.50	1.3976	190	339	4	A13035.5	
1.13/32	35.72	1.4063	195	344	4	A1301.13/32	
	36.00	1.4173	195	344	4	A13036.0	
	36.50	1.4370	195	344	4	A13036.5	
1.7/16	36.51	1.4374	195	344	4	A1301.7/16	
	37.00	1.4567	195	344	4	A13037.0	
	37.50	1.4764	195	344	4	A13037.5	
	38.00	1.4961	200	349	4	A13038.0	
1.1/2	38.10	1.5000	200	349	4	A1301.1/2	
	38.50	1.5157	200	349	4	A13038.5	
	39.00	1.5354	200	349	4	A13039.0	
	39.50	1.5551	200	349	4	A13039.5	
1.9/16	39.69	1.5626	200	349	4	A1301.9/16	
	40.00	1.5748	200	349	4	A13040.0	
	40.50	1.5945	205	354	4	A13040.5	
	41.00	1.6142	205	354	4	A13041.0	
1.5/8	41.28	1.6252	205	354	4	A1301.5/8	
	41.50	1.6339	205	354	4	A13041.5	
	42.00	1.6535	205	354	4	A13042.0	

d <sub>1</sub> Øh <sub>8</sub> Inch	d <sub>1</sub> Øh <sub>8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code	BRL
	42.50	1.6732	205	354	4	A13042.5	
1.11/16	42.86	1.6874	210	359	4	A1301.11/16	
	43.00	1.6929	210	359	4	A13043.0	
	43.50	1.7126	210	359	4	A13043.5	
	44.00	1.7323	210	359	4	A13044.0	
1.3/4	44.45	1.7500	210	359	4	A1301.3/4	
	44.50	1.7520	210	359	4	A13044.5	
	45.00	1.7717	210	359	4	A13045.0	
	45.50	1.7913	215	364	4	A13045.5	
	46.00	1.8110	215	364	4	A13046.0	
	46.50	1.8307	215	364	4	A13046.5	
	47.00	1.8504	215	364	4	A13047.0	
	47.50	1.8701	215	364	4	A13047.5	
	48.00	1.8898	220	369	4	A13048.0	
	48.50	1.9094	220	369	4	A13048.5	
	49.00	1.9291	220	369	4	A13049.0	
	49.50	1.9488	220	369	4	A13049.5	
	50.00	1.9685	220	369	4	A13050.0	
2"	50.80	2.0000	225	374	4	A1302	
	51.00	2.0079	225	412	5	A13051.0	
	52.00	2.0472	225	412	5	A13052.0	
	53.00	2.0866	225	412	5	A13053.0	
	54.00	2.1260	230	417	5	A13054.0	
	55.00	2.1654	230	417	5	A13055.0	
	56.00	2.2047	230	417	5	A13056.0	
	57.00	2.2441	235	422	5	A13057.0	
	58.00	2.2835	235	422	5	A13058.0	
	59.00	2.3228	235	422	5	A13059.0	
	60.00	2.3622	235	422	5	A13060.0	
	61.00	2.4016	240	427	5	A13061.0	
	62.00	2.4409	240	427	5	A13062.0	
	63.00	2.4803	240	427	5	A13063.0	
2.1/2	63.50	2.5000	245	432	5	A1302.1/2	
	64.00	2.5197	245	432	5	A13064.0	
	65.00	2.5591	245	432	5	A13065.0	
	66.00	2.5984	245	432	5	A13066.0	
2.5/8	66.68	2.6252	245	432	5	A1302.5/8	
	67.00	2.6378	245	432	5	A13067.0	
	68.00	2.6772	250	437	5	A13068.0	
	69.00	2.7165	250	437	5	A13069.0	
2.3/4	69.85	2.7500	250	437	5	A1302.3/4	
	70.00	2.7559	250	437	5	A13070.0	
	71.00	2.7953	250	437	5	A13071.0	
	72.00	2.8346	255	442	5	A13072.0	
	73.00	2.8740	255	442	5	A13073.0	



d <sub>1</sub> Øh <sub>8</sub> Inch	d <sub>1</sub> Øh <sub>8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code	BRL
2.7/8	73.03	2.8752	255	442	5	A1302.7/8	
	74.00	2.9134	255	442	5	A13074.0	
	75.00	2.9528	255	442	5	A13075.0	
	76.00	2.9921	260	447	5	A13076.0	
3"	76.20	3.0000	260	447	5	A1303	
	77.00	3.0315	260	514	6	A13077.0	
	78.00	3.0709	260	514	6	A13078.0	
	79.00	3.1102	260	514	6	A13079.0	
	80.00	3.1496	260	514	6	A13080.0	
	81.00	3.1890	265	519	6	A13081.0	
	84.00	3.3071	265	519	6	A13084.0	
	85.00	3.3465	265	519	6	A13085.0	
	90.00	3.5433	270	524	6	A13090.0	
	95.00	3.7402	275	529	6	A13095.0	
	100.00	3.9370	280	534	6	A130100.0	