



115 N1 ø 10						230 N2 ø 10						115 N3 ø 10					
Formato	Número	Comprimento a [cm]	Comprimento b [cm]	Comprimento Barra Simple [cm]	Comprimento Total [cm]	Formato	Número	Comprimento a [cm]	Comprimento Barra Simple [cm]	Comprimento Total [cm]	Formato	Número	Comprimento a [cm]	Comprimento Barra Simple [cm]	Comprimento Total [cm]		
1.aa	1	193.5	93.7	584	584	2.aa	2	193.5	471	942	3.aa	1	193.5	477	477		
1.ab	1	192.5	93.2	581	581	2.ab	2	192.5	469	938	3.ab	1	192.5	475	475		
1.ac	1	191.5	92.7	578	578	2.ad	2	191.5	467	934	3.ac	1	191.5	473	473		
1.ad	1	190.5	92.2	575	575	2.ae	2	189.5	465	930	3.ad	1	190.5	471	471		
1.ae	1	189.5	91.7	572	572	2.af	2	188.5	463	926	3.ae	1	189.5	469	469		
1.af	1	188.5	91.2	569	569	2.ag	2	187.5	459	918	3.af	1	188.5	467	467		
1.ag	1	187.5	90.7	566	566	2.ah	2	186.5	457	914	3.ag	1	187.5	465	465		
1.ah	1	186.5	90.2	563	563	2.ai	2	185.5	455	910	3.ah	1	186.5	463	463		
1.ai	1	185.5	89.7	560	560	2.aj	2	184.5	453	906	3.ai	1	185.5	461	461		
1.al	1	184.5	89.2	557	557	2.ak	2	183.5	451	902	3.aj	1	184.5	459	459		
1.ak	1	183.5	88.7	554	554	2.al	2	182.5	449	898	3.ak	1	183.5	457	457		
1.al	1	182.5	88.2	551	551	2.am	2	181.5	447	894	3.al	1	182.5	455	455		
1.am	1	181.5	87.7	548	548	2.an	2	180.5	445	890	3.am	1	181.5	453	453		
1.an	1	180.5	87.2	545	545	2.ao	2	179.5	443	886	3.an	1	180.5	451	451		
1.ao	1	179.5	86.7	542	542	2.ap	2	178.5	441	882	3.ao	1	179.5	449	449		
1.ap	1	178.5	86.2	539	539	2.aq	2	177.5	439	878	3.ap	1	178.5	447	447		
1.aq	1	177.5	85.7	536	536	2.ar	2	176.5	437	874	3.aq	1	177.5	445	445		
1.ar	1	176.5	85.2	533	533	2.as	2	175.5	435	870	3.ar	1	176.5	443	443		
1.as	1	175.5	84.7	530	530	2.at	2	174.5	433	866	3.as	1	175.5	441	441		
1.at	1	174.5	84.2	527	527	2.au	2	173.5	431	862	3.at	1	174.5	439	439		
1.au	1	173.5	83.7	524	524	2.av	2	172.5	429	858	3.au	1	173.5	437	437		
1.av	1	172.5	83.2	521	521	2.aw	2	171.5	427	854	3.av	1	172.5	435	435		
1.aw	1	171.5	82.7	518	518	2.ax	2	170.5	425	850	3.aw	1	171.5	433	433		
1.ax	1	170.5	82.2	515	515	2.ay	2	169.5	423	846	3.ax	1	170.5	431	431		
1.ay	1	169.5	81.7	512	512	2.az	2	168.5	421	842	3.ay	1	169.5	429	429		
1.az	1	168.5	81.2	509	509	2.ba	2	167.5	419	838	3.az	1	168.5	427	427		
1.ba	1	167.5	80.7	506	506	2.bb	2	166.5	417	834	3.ba	1	167.5	425	425		
1.bb	1	166.5	80.2	503	503	2.bc	2	165.5	415	830	3.bb	1	166.5	423	423		
1.bc	1	165.5	79.7	500	500	2.bd	2	164.5	413	826	3.bc	1	165.5	421	421		
1.bd	1	164.5	79.2	497	497	2.be	2	163.5	411	822	3.bd	1	164.5	419	419		
1.be	1	163.5	78.7	494	494	2.bf	2	162.5	409	818	3.be	1	163.5	417	417		
1.bf	1	162.5	78.2	491	491	2.bg	2	161.5	407	814	3.bf	1	162.5	415	415		
1.bg	1	161.5	77.7	488	488	2.bh	2	160.5	405	810	3.bg	1	161.5	413	413		
1.bh	1	160.5	77.2	485	485	2.bi	2	159.5	403	806	3.bh	1	160.5	411	411		
1.bi	1	159.5	76.7	482	482	2.bj	2	158.5	401	802	3.bi	1	159.5	409	409		
1.bj	1	158.5	76.2	479	479	2.bk	2	157.5	399	798	3.bj	1	158.5	407	407		
1.bk	1	157.5	75.7	476	476	2.bl	2	156.5	397	794	3.bk	1	157.5	405	405		
1.bl	1	156.5	75.2	473	473	2.bm	2	155.5	395	790	3.bl	1	156.5	403	403		
1.bm	1	155.5	74.7	470	470	2.bn	2	154.5	393	786	3.bm	1	155.5	401	401		
1.bn	1	154.5	74.2	467	467	2.bo	2	153.5	391	782	3.bn	1	154.5	399	399		
1.bo	1	153.5	73.7	464	464	2.bp	2	152.5	389	778	3.bo	1	153.5	397	397		
1.bp	1	152.5	73.2	461	461	2.bq	2	151.5	387	774	3.bq	1	152.5	395	395		
1.bq	1	151.5	72.7	458	458	2.br	2	150.5	385	770	3.br	1	151.5	393	393		
1.br	1	150.5	72.2	455	455	2.bs	2	149.5	383	766	3.bs	1	150.5	391	391		
1.bs	1	149.5	71.7	452	452	2.bt	2	148.5	381	762	3.bt	1	149.5	389	389		
1.bt	1	148.5	71.2	449	449	2.bu	2	147.5	379	758	3.bt	1	148.5	387	387		
1.bu	1	147.5	70.7	446	446	2.bv	2	146.5	377	754	3.bu	1	147.5	385	385		
1.bv	1	146.5	70.2	443	443	2.bw	2	145.5	375	750	3.bv	1	146.5	383	383		
1.bw	1	145.5	69.7	440	440	2.bx	2	144.5	373	746	3.bw	1	145.5	381	381		
1.bx	1	144.5	69.2	437	437	2.by	2	143.5	371	742	3.bx	1	144.5	379	379		
1.by	1	143.5	68.7	434	434	2.bz	2	142.5	369	738	3.by	1	143.5	377	377		
1.bz	1	142.5	68.2	431	431	2.ca	2	141.5	367	734	3.bz	1	142.5	375	375		
1.ca	1	141.5	67.7	428	428	2.cb	2	140.5	365	730	3.ca	1	141.5	373	373		
1.cb	1	140.5	67.2	425	425	2.cc	2	139.5	363	726	3.cb	1	140.5	371	371		
1.cc	1	139.5	66.7	422	422	2.cd	2	138.5	361	722	3.cd	1	139.5	369	369		
1.cd	1	138.5	66.2	419	419	2.ce	2	137.5	359	718	3.ce	1	138.5	367	367		
1.ce	1	137.5	65.7	416	416	2.cf	2	136.5	357	714	3.cf	1	137.5	365	365		
1.cf	1	136.5	65.2	413	413	2.cg	2	135.5	355	710	3.cg	1	136.5	363	363		
1.cg	1	135.5	64.7	410	410	2.ch	2	134.5	353	706	3.ch	1	135.5	361	361		
1.ch	1	134.5	64.2	407	407	2.ci	2	133.5	351	702	3.ci	1	134.5	359	359		
1.ci	1	133.5	63.7	404	404	2.cj	2	132.5	349	698	3.cj	1	133.5	357	357		
1.cj	1	132.5	63.2	401	401	2.ck	2	131.5	347	694	3.ck	1	132.5	355	355		
1.ck	1	131.5	62.7	398	398	2.cl	2	130.5	345	690	3.cl	1	131.5	353	353		
1.cl	1	130.5	62.2	395	395	2.cm	2	129.5	343	686	3.cl	1	130.5	351	351		
1.cm	1	129.5	61.8	392	392	2.cn	2	128.5	341	682	3.cn	1	129.5	349	349		
1.cn	1	128.5	61.3	389	389	2.co	2	127.5	339	678	3.co	1	128.5	347	347		
1.co	1	127.5	60.8	386	386	2.cp	2	126.5	337	674	3.co	1	127.5	345	345		
1.cp	1	126.5	60.3	383	383	2.cq	2	125.5	335	670	3.cq	1	126.5	343	343		
1.cq	1	125.5	59.8	380	380	2.cr	2	124.5	333	666	3.cr	1	125.5	341	341		
1.cr	1	124.5	59.3	377	377	2.cs	2	123.5	331	662	3.cs	1	124.5	339	339		
1.cs	1	123.5	58.8	374	374	2.ct	2	122.5	329	658	3.ct	1	123.5	337	337		
1.ct	1	122.5	58.3	371	371	2.cu	2	121.5	327	654	3.ct	1	122.5	335	335		
1.cu	1	121.5	57.8	368	368	2.cv	2	120.5	325	650	3.cu	1	121.5	333	333		
1.cv	1	120.5	57.3	365	365	2.cw	2	119.5	323	646	3.cv	1	120.5	331	331		
1.cw	1	119.5	56.8	362	362	2.cx	2	118.5	321	642	3.cw	1	119.5	329	329		
1.cx	1	118.5	56.3	359	359	2.cy	2	117.5	319	638	3.cx	1	118.5	327	327		
1.cy	1	117.5	55.8	356	356	2.cz	2	116.5	317	634	3.cy	1	117.5	325	325		
1.cz	1	116.5	55.3	353	353	2.da	2	115.5	315	630	3.cz	1	116.5	323	323		
1.da	1	115.5	54.8	350	350	2.db	2	114.5	313	626	3.da	1	115.5	321	321		
1.db	1	114.5	54.3	347	347	2.dc	2	113.5	311	622	3.db	1	114.5	319	319		
1.dc	1	113.5	53.8	344	344	2.dd	2	112.5	309	618	3.dc	1	113.5	317	317		
1.dd	1	112.5	53.3	341	341	2.de	2	111.5	307	614	3.dd	1	112.5	315	315		
1.de	1	111.5	52.8	338	338	2.df	2	110.5	305	610	3.de	1	111.5	313	313		
1.df	1	110.5	52.3	335	335	2.dg	2	109.5	303	606	3.df	1	110.5	311	311		
1.dg	1	109.5	51.8	332	332	2.dh	2	108.5	301	602	3.dg	1	109.5	309	309		
1.dh	1	108.5	51.3	329	329	2.di	2	107.5	299	598	3.dh	1	108.5	307	307		
1.di	1	107.5	50.8	326	326	2.dj	2	106.5	297	594	3.di	1	107.5	305	305		
1.dj	1	106.5	50.3	323	323	2.dk	2	105.5	295	590	3.dj	1	106.5	303	303		
1.dk	1	105.5	49.8	320	320	2.dl	2	104.5	293	586	3.dk	1	105.5	301	301		
1.dl	1	104.5	49.3	317	317	2.dm	3	94	272	816	3.dl	1	104.5	299	299		
1.dm	1	93.9	48.6	290	290	2.dn	14	94	272	3808	3.dm	10	94	278	2780		
1.dn	1	93.9	48.1	290	290	2.do	2	91.9									