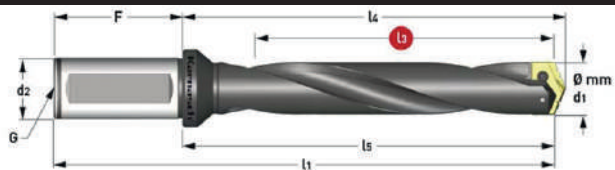


22.1010 - Broca Intercambiable Hélice Mango Cilíndrico - 4xD



Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	d2	F	G
K22.1010.01175.0180	18-21	18-24	117.5	154.8	158.4	210.8	25	56	1/8"
K22.1010.01175.0220	22-24	-	117.5	154.8	158.4	210.8	25	56	1/8"
K22.1010.01365.0255	25-29	25-35	136.5	179.4	183	293.4	32	60	1/4"
K22.1010.01365.0300	30-35	-	136.5	179.4	183	293.4	32	60	1/4"
K22.1010.01651.0360	36-41	36-47	165.1	217.5	222.3	287.5	40	70	1/4"
K22.1010.01651.0420	42-47	-	165.1	217.5	222.3	287.5	40	70	1/4"

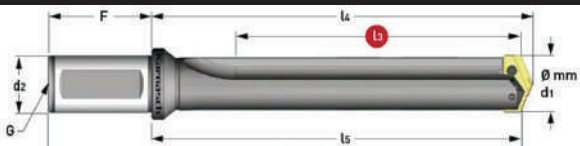
22.1010 - Broca Intercambiable Hélice Mango Cilíndrico - 5xD

Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	d2	F	G
K22.1010.00603.0095	9.5-11	-	60.3	89.7	92.1	139.7	20	50	1/8"
K22.1010.00603.0115	11.5-12.5	-	60.3	89.7	92.1	139.7	20	50	1/8"
K22.1010.00635.0130	13-15	13-17.5	63.5	92.1	94.9	142.1	20	50	1/8"
K22.1010.00635.0155	15.5-17.5	-	63.5	92.1	94.9	142.1	20	50	1/8"
K22.1010.01683.0180	18-21	18-24	168.3	205.6	209.2	261.6	25	56	1/8"
K22.1010.01683.0220	22-24	-	168.3	205.6	209.2	261.6	25	56	1/8"
K22.1010.01873.0250	25-29	25-35	187.3	230.2	233.8	290.2	32	60	1/4"
K22.1010.01873.0300	30-35	-	187.3	230.2	233.8	290.2	32	60	1/4"
K22.1010.02096.0360	36-41	36-47	209.6	261.9	266.7	331.9	40	70	1/4"
K22.1010.02096.0420	42-47	-	209.6	261.9	266.7	331.9	40	70	1/4"
K22.1010.02318.0480	48-55	48-65	231.8	281	285.8	351	40	70	1/4"
K22.1010.02318.0560	56-65	-	231.8	281	285.8	351	40	70	1/4"

22.1010 - Broca Intercambiable Hélice Mango Cilíndrico - 8xD

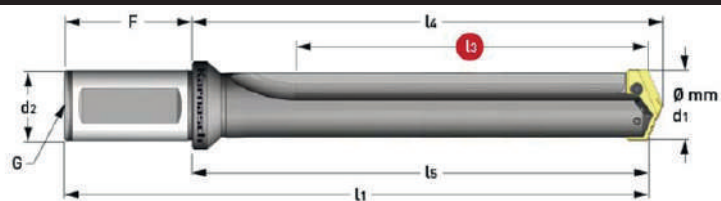
Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	d2	F	G
K22.1010.01111.0095	9.5-11	-	111.1	140.5	142.9	190.5	20	50	1/8"
K22.1010.01111.0115	11.5-12.5	-	111.1	140.5	142.9	190.5	20	50	1/8"
K22.1010.01143.0130	13-15	13-17.5	114.3	142.9	145.7	192.9	20	50	1/8"
K22.1010.01143.0155	15-17.5	-	114.3	142.9	145.7	192.9	20	50	1/8"
K22.1010.02699.0180	18-21	18-24	269.9	307.2	310.8	363.2	25	56	1/8"
K22.1010.02699.0220	22-24	-	269.9	307.2	310.8	363.2	25	56	1/8"
K22.1010.02889.0250	25-29	25-35	288.9	331.8	335.4	391.8	32	60	1/4"
K22.1010.02889.0300	30-35	-	288.9	331.8	335.4	391.8	32	60	1/4"

22.1020 - Broca Intercambiable Recta Mango Cilíndrico - 3xD



Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	d2	F	G
K22.1020.00318.0095	9.5-11	-	31.8	61.1	63.5	111.1	20	50	1/8"
K22.1020.00318.0115	11.5-12.5	-	31.8	61.1	63.5	111.1	20	50	1/8"
K22.1020.00349.0135	13-15	13-17	34.9	63.5	66.3	113.5	20	50	1/8"
K22.1020.00349.0155	15.5-17.5	-	34.9	63.5	66.3	113.5	20	50	1/8"
K22.1020.00667.0180	18-21	18-24	66.7	107.2	110.7	163.2	25	56	1/8"
K22.1020.00667.0220	22-24	-	66.7	107.2	110.7	163.2	25	56	1/8"
K22.1020.00857.0250	25-29	25-35	85.7	128.6	132.2	188.6	32	60	1/4"
K22.1020.00857.0300	30-35	-	85.7	128.6	132.2	188.6	32	60	1/4"
K22.1020.01207.0360	36-41	36-47	120.7	173	177.8	243	40	70	1/4"
K22.1020.01207.0420	42-47	-	120.7	173	177.8	243	40	70	1/4"
K22.1020.01302.0480	48-55	48-65	130.2	179.4	184.2	249.4	40	70	1/4"
K22.1020.01302.0560	56-65	-	130.2	179.4	184.2	249.4	40	70	1/4"

22.1020 - Broca Intercambiable Recta Mango Cilíndrico - 8xD



Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	d2	F	G
K22.1020.03493.0360	36-41	36-47	349.3	401.6	406.4	471.6	40	70	1/4"
K22.1020.03493.0420	42-47	-	349.3	401.6	406.4	471.6	40	70	1/4"
K22.1020.04223.0480	48-55	48-65	422.3	471.5	476.3	541.5	40	70	1/4"
K22.1020.04223.0560	56-65	-	422.3	471.5	476.3	541.5	40	70	1/4"

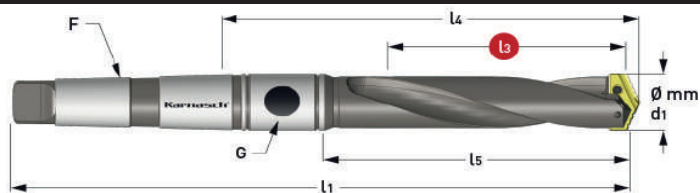
22.1020 - Broca Intercambiable Recta Mango Cilíndrico - 12xD

Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	d2	F	G
K22.1020.02220.0095	9.5-11	-	222	251.7	254.1	301.7	20	50	1/8"
K22.1020.02223.0115	11.5-12.5	-	222.3	251.7	254.1	301.7	20	50	1/8"
K22.1020.02950.0130	13-15	13-17.5	295	323.9	326.7	373.9	20	50	1/8"
K22.1020.02950.0155	15.5-17.5	-	295	323.9	326.7	373.9	20	50	1/8"
K22.1020.04570.0180	18-21	18-24	457	494.5	498.1	550.5	25	56	1/8"
K22.1020.04570.0220	22-24	-	457	494.5	498.1	550.5	25	56	1/8"
K22.1020.05110.0250	25-29	25-35	511	554.1	557.7	614.1	32	60	1/4"
K22.1020.05110.0300	30-35	-	511	554.1	557.7	614.1	32	60	1/4"
K22.1020.05588.0360	36-41	36-47	558	611	615.9	681.1	40	70	1/4"
K22.1020.05588.0420	42-47	-	558	611	615.9	681.1	40	70	1/4"
K22.1020.06250.0480	48-55	48-65	625	674.7	679.5	744.7	40	70	1/4"
K22.1020.06250.0560	56-65	-	625	674.7	679.5	744.7	40	70	1/4"

22.1020 - Broca Intercambiable Recta Mango Cilíndrico - 15xD

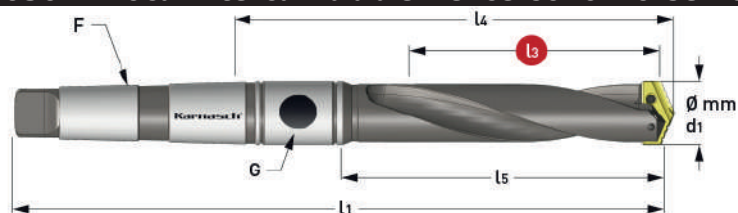
Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	d2	F	G
K22.1020.02900.0095	9.5-11	-	290	319.9	322.3	369.9	20	50	1/8"
K22.1020.02905.0115	11.5-12.5	-	290	319.9	322.3	369.9	20	50	1/8"
K22.1020.03870.0130	13-15	13-17.5	387	416	418.8	446	20	50	1/8"
K22.1020.03870.0155	15.5-17.5	-	387	416	418.8	446	20	50	1/8"
K22.1020.05690.0180	18-21	18-24	569	602.5	606.1	658.5	25	56	1/8"
K22.1020.05690.0220	22-24	-	569	602.5	606.1	658.5	25	56	1/8"
K20.1020.06920.0250	25-29	25-35	692	735.1	738.7	795.1	32	60	1/4"
K22.1020.06920.0300	30-35	-	692	735.1	738.7	795.1	32	60	1/4"
K22.1020.07874.0360	36-41	34-47	787.4	839.7	844.5	909.7	40	70	1/4"
K22.1020.07874.0420	42-47	-	787.4	839.7	844.5	909.7	40	70	1/4"
K22.1020.08790.0480	48-55	48-65	879	928.7	933.5	998.7	40	70	1/4"
K22.1020.08790.0560	56-65	-	879	928.7	933.5	998.7	40	70	1/4"

22.1030 - Broca Intercambiable Hélice Cono Morse - 4xD



Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	F	G
K22.1030.01207.0180	18-21	18-24	120.7	149.2	193.3	283.3	3	1/8"
K22.1030.01207.0220	22-24	-	120.7	149.2	193.3	283.3	3	1/8"
K22.1030.01365.0250	25-29	25-35	136.5	165.1	218.4	331.8	4	1/8"
K22.1030.01365.0300	30-35	-	136.5	165.1	218.4	331.8	4	1/8"
K22.1030.01651.0360	36-41	36-47	165.1	196.9	250.9	363.6	4	1/4"
K22.1030.01651.0420	42-47	-	165.1	196.9	250.9	363.6	4	1/4"

22.1030 - Broca Intercambiable Hélice Cono Morse - 5xD

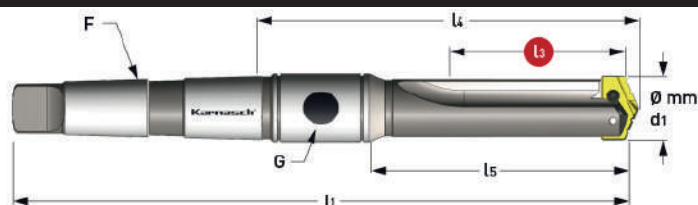


Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	F	G
K22.1030.00603.0095	9.5-11	-	60.3	80.2	116.7	188.9	2	1/16"
K22.1030.00603.0115	11.5-12.5	-	60.3	80.2	116.7	188.9	2	1/16"
K22.1030.00635.0130	13-15	13-17.5	63.5	84.1	121	192.9	2	1/16"
K22.1030.00635.0155	15.5-17.5	-	63.5	84.1	121	192.9	2	1/16"
K22.1030.01715.0180	18-21	18-24	171.5	200	244.1	334.2	3	1/8"
K22.1030.01715.0220	22-24	-	171.5	200	244.1	334.2	3	1/16"
K22.1030.01873.0250	25-29	25-35	187.3	215.9	262	375.4	4	1/8"
K22.1030.01873.0300	30-35	-	187.3	215.9	269.2	382.6	4	1/4"
K22.1030.02095.0360	36-41	36-47	209.5	241.3	295.3	408	4	1/4"
K22.1030.02095.0420	42-47	-	209.5	241.3	295.3	408	4	1/4"
K22.1030.02318.0480	48-55	48-65	231.8	266.7	320.7	465.1	5	1/4"
K22.1030.02318.0560	56-65	-	231.8	266.7	320.7	465.1	5	1/4"

22.1030 - Broca Intercambiable Hélice Cono Morse - 8xD

Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	F	G
K22.1030.01111.0095	9.5-11	-	111.1	130.9	167.4	239.7	2	1/16"
K22.1030.01111.0115	11.5-12.5	-	111.1	130.9	167.4	239.7	2	1/16"
K22.1030.01143.0130	13-15	13-17.5	114.3	135	171.8	243.7	2	1/16"
K22.1030.01143.0155	15.5-17.5	-	114.3	135	171.8	243.7	2	1/16"
K22.1030.02731.0180	18-21	18-24	273.1	301.6	345.7	435.8	3	1/8"
K22.1030.02731.0220	22-24	-	273.1	301.6	345.7	435.8	3	1/8"
K22.1030.02890.0250	25-29	25-35	289	317.5	363.6	477	4	1/4"
K22.1030.02890.0300	30-35	-	289	317.5	370.8	482.2	4	1/4"

22.1040 - Broca Intercambiable Recta Cono Morse - 3xD

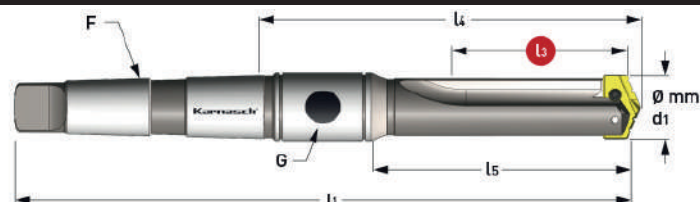


Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	F	G
K22.1040.01301.0480	48-55	48-65	130.1	165.1	219.1	363.5	5	1/4"
K22.1040.01301.0560	56-65	-	130.1	165.1	219.1	363.5	5	1/4"
K22.1040.01715.0640	64-76	64-88	171.5	215.9	287.3	430.2	5	1/2"
K22.1040.01715.0780	78-88	-	171.5	215.9	287.3	430.2	5	1/2"
K22.1040.01715.0900	90-100	90-114	171.5	225.4	296.8	439.7	5	1/2"
K22.1040.01715.1020	102-114	-	171.5	225.4	296.8	439.7	5	1/2"

22.1040 - Broca Intercambiable Recta como Morse - 8xD

Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	F	G
K22.1040.03493.0360	36-41	36-47	349.3	381	435	547.7	4	1/4"
K22.1040.03493.0420	42-47	-	349.3	381	435	547.7	4	1/4"
K22.1040.04223.0480	48-55	48-65	422.3	457.2	511.2	655.6	5	1/4"
K22.1040.04223.0560	56-65	-	422.3	457.2	511.2	655.6	5	1/4"
K22.1040.04636.0640	64-76	64-88	463.6	508	579.4	722.3	5	1/2"
K22.1040.04636.0780	78-88	-	463.6	508	579.4	722.3	5	1/2"
K22.1040.05556.0900	90-100	90-114	555.6	609.6	681.1	823.9	5	1/2"
K22.1040.05556.1020	102-114	-	555.6	609.6	681.1	823.9	5	1/2"

22.1040 - Broca Intercambiable Recta Cono Morse - 12xD



Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	F	G
K22.1040.05558.0360	36-41	36-47	558.8	590.6	644.6	757.2	4	1/4"
K22.1040.05558.0420	42-47	-	558.8	590.6	644.6	757.2	4	1/4"
K22.1040.06250.0480	48-55	48-65	625	660.4	714.4	858.8	5	1/4"
K22.1040.06250.0560	56-65	-	625	660.4	714.4	858.8	5	1/4"
K22.1040.06600.0640	64-79	64-88	660	704.8	776.2	919.1	5	1/2"
K22.1040.06600.0780	78-88	-	660	704.8	776.2	919.1	5	1/2"
K22.1040.06850.0900	90-100	90-114	685	739.7	811.2	954	5	1/2"
K22.1040.06850.1020	102-114	-	685	739.7	811.2	954	5	1/2"

22.1040 - Broca Intercambiable Recta Cono Morse - 15xD

Referencia	Rango Óptimo	Rango Posible	Corte L3	L5	L4	L1	F	G
K22.1040.07874.0360	36-41	36-47	787.4	819.2	873.2	958.8	4	1/4"
K22.1040.07874.0420	42-47	-	787.4	819.2	873.2	958.8	4	1/4"
K22.1040.08790.0480	48-55	48-65	879	914.4	968.4	1112.8	5	1/4"
K22.1040.08790.0560	56-65	-	879	914.4	968.4	1112.8	5	1/4"
K22.1040.08890.0640	64-76	64-88	889	933.4	1004.8	1147.7	5	1/2"
K22.1040.08890.0780	78-88	-	889	933.4	1004.8	1147.7	5	1/2"
K22.1040.09390.0900	90-100	90-114	939	993.7	1065.2	1208	5	1/2"
K22.1040.09390.1020	102-114	-	939	993.7	1065.2	1208	5	1/2"

Recambios para Brocas Punta Intercambiable

Referencia	Para Brocas Ø mm
K22.9010.0095	09-11
K22.9010.0115	11.5-12.5
K22.9010.0130	13-17.5
K22.9010.0180	18-24
K22.9010.0250	25-35
K22.9010.0360	36-65
K22.9010.0640	64-114



• Información técnica

Referencia	Máx N/cm
K22.9011.0084	84
K22.9011.0084	84
K22.9011.0175	175
K22.9011.0305	305
K22.9011.0690	690
K22.9011.1370	1370
K22.9011.1750	1750



Cuchillas para Brocas Intercambiables - Guía Calidades

<p>• K22.2010 - HSS Uso para inoxidables, hierro y fundición.</p>	<p>• K22.4010 - MD Uso para inoxidables, materiales desbaste y materiales duros.</p>
<p>• K22.2510 - HSS Uso para inoxidables, hierro y fundición en grandes diámetros.</p>	<p>• K22.4510 - MD Uso para todo tipo de fundición.</p>
<p>• K22.3010 - HSS Uso para aluminios, latón y cobre.</p>	<p>• K22.5010 - MD Uso para aluminios, latón y cobre.</p>
<p>• K22.3510 - HSS Uso para cero fundido, acero y fundición.</p>	<p>• K22.5510 - MD Uso para materiales abrasivos, grafito, fibra, etc.</p>

Cuchillas para Brocas Intercambiables

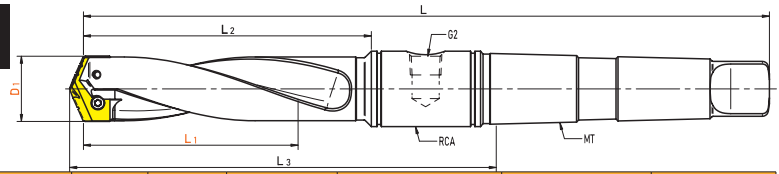


Diámetro	K22.2010 HSS	K22.2510 HSS	K22.3010 HSS	K22.3510 HSS	K22.4010 MD	K22.4510 MD	K22.5010 MD	K22.5510 MD
9,5	95	-	95	-	95	95	95	95
10	100	-	100	-	100	100	100	100
10,2	102	-	102	-	102	102	102	102
10,5	105	-	105	-	105	105	105	105
10,8	108	-	108	-	108	108	108	108
11	110	-	110	-	110	110	110	110
11,5	115	-	115	-	115	115	115	115
12	120	-	120	-	120	120	120	120
12,5	125	-	125	-	125	125	125	125
13	130	-	130	-	130	130	130	130
13,5	135	-	135	-	135	135	135	135
14	140	-	140	-	140	140	140	140
14,5	145	-	145	-	145	145	145	145
15	150	-	150	-	150	150	150	150
15,5	155	-	155	-	155	155	155	155
16	160	-	160	-	160	160	160	160
16,5	165	-	165	-	165	165	165	165
17	170	-	170	-	170	170	170	170
17,5	175	-	175	-	175	175	175	175
18	180	-	180	-	180	180	180	180
18,5	185	-	185	-	185	185	185	185
19	190	-	190	-	190	190	190	190
19,5	195	-	195	-	195	195	195	195
20	200	-	200	-	200	200	200	200
20,5	205	-	205	-	205	205	205	205
21	210	-	210	-	210	210	210	210
22	220	-	220	-	220	220	220	220
23	230	-	230	-	230	230	230	230
24	240	-	240	-	240	240	240	240
25	250	-	250	-	250	250	250	250
26	260	-	260	-	260	260	260	260
27	270	-	270	-	270	270	270	270
28	280	-	280	-	280	280	280	280
29	290	-	290	-	290	290	290	290
30	300	-	300	-	300	300	300	300
31	310	-	310	-	310	310	310	310
32	320	-	320	-	320	320	320	320
33	330	-	330	-	330	330	330	330
34	340	-	340	-	340	340	340	340
35	350	-	350	-	350	350	350	350
36	360	-	360	-	-	-	-	-
37	370	-	370	-	-	-	-	-
38	380	-	380	-	-	-	-	-
39	390	-	390	-	-	-	-	-
40	400	-	400	-	-	-	-	-
41	410	-	410	-	-	-	-	-
42	420	-	420	-	-	-	-	-
43	430	-	430	-	-	-	-	-

Cuchillas para Brocas Intercambiables

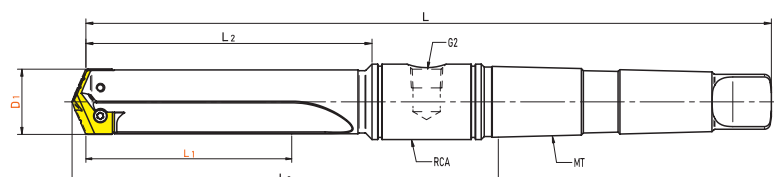


Diámetro	K22.2010 HSS	K22.2510 HSS	K22.3010 HSS	K22.3510 HSS	K22.4010 MD	K22.4510 MD	K22.5010 MD	K22.5510 MD
44	440	-	440	-	-	-	-	-
45	450	-	450	-	-	-	-	-
46	460	-	460	-	-	-	-	-
47	470	-	470	-	-	-	-	-
48	480	-	480	-	-	-	-	-
49	490	-	490	-	-	-	-	-
50	500	-	500	-	-	-	-	-
51	510	-	510	-	-	-	-	-
52	520	-	520	-	-	-	-	-
53	530	-	530	-	-	-	-	-
54	540	-	540	-	-	-	-	-
55	550	-	550	-	-	-	-	-
56	560	-	560	-	-	-	-	-
57	570	-	570	-	-	-	-	-
58	580	-	580	-	-	-	-	-
59	590	-	590	-	-	-	-	-
60	600	-	600	-	-	-	-	-
61	610	-	610	-	-	-	-	-
62	620	-	620	-	-	-	-	-
63	630	-	630	-	-	-	-	-
64	640	-	640	-	-	-	-	-
65	650	-	650	-	-	-	-	-
64	-	640	-	640	-	-	-	-
66	-	660	-	660	-	-	-	-
68	-	680	-	680	-	-	-	-
70	-	700	-	700	-	-	-	-
72	-	720	-	720	-	-	-	-
74	-	740	-	740	-	-	-	-
76	-	760	-	760	-	-	-	-
78	-	780	-	780	-	-	-	-
80	-	800	-	800	-	-	-	-
82	-	820	-	820	-	-	-	-
84	-	840	-	840	-	-	-	-
86	-	860	-	860	-	-	-	-
88	-	880	-	880	-	-	-	-
90	-	900	-	900	-	-	-	-
92	-	920	-	920	-	-	-	-
94	-	940	-	940	-	-	-	-
96	-	960	-	960	-	-	-	-
98	-	980	-	980	-	-	-	-
100	-	1000	-	1000	-	-	-	-
102	-	1020	-	1020	-	-	-	-
104	-	1040	-	1040	-	-	-	-
106	-	1060	-	1060	-	-	-	-
108	-	1080	-	1080	-	-	-	-
110	-	1100	-	1100	-	-	-	-
112	-	1120	-	1120	-	-	-	-
114	-	1140	-	1140	-	-	-	-

**Brocas punta intercambiable
 Amarre Cono Morse - Tipo Espiral**


REFERENCIA	D1	L1	L2	L3	L	MT	G2	ANILLO	TORNILLO	LLAVE
BPN-CM2-E001	9.5-11	32	52	88	160	2	1/16"	BDP-AR1905	TDA-120	LLT-7
BPN-CM2-E002		60	80	117	189	2	1/16"			
BPN-CM2-E003		111	131	167	240	2	1/16"			
BPN-CM2-E004	11.5-12.5	32	52	88	160	2	1/16"	BDP-AR1905	TDA-121	LLT-7
BPN-CM2-E005		60	80	117	189	2	1/16"			
BPN-CM2-E006		111	131	167	240	2	1/16"			
BPN-CM2-E007	13-15	35	56	92	164	2	1/16"	BDP-AR1905	TDA-122	LLT-8
BPN-CM2-E008		64	84	121	193	2	1/16"			
BPN-CM2-E009		114	135	172	244	2	1/16"			
BPN-CM2-E010		178	199	235	307	2	1/16"			
BPN-CM2-E011	15.5-17.5	35	56	92	164	2	1/16"	BDP-AR1905	TDA-123	LLT-8
BPN-CM2-E012		64	84	121	193	2	1/16"			
BPN-CM2-E013		114	135	172	244	2	1/16"			
BPN-CM2-E014		178	199	235	307	2	1/16"			
BPN-CM3-E001	18-21	70	98	143	233	3	1/8"	BDP-AR2504	TDA-116	LLT-9
BPN-CM3-E002		121	149	193	283	3	1/8"			
BPN-CM3-E003		172	200	244	334	3	1/8"			
BPN-CM3-E004		273	302	346	436	3	1/8"			
BPN-CM3-E005	22-24	70	98	142	232	3	1/8"	BDP-AR2504	TDA-116	LLT-9
BPN-CM3-E006		121	149	193	283	3	1/8"			
BPN-CM3-E007		172	200	244	334	3	1/8"			
BPN-CM3-E008		273	302	346	436	3	1/8"			
BPN-CM4-E001	25-29	86	114	160	274	4	1/4"	BDP-AR2504	TDA-117	LLT-15
BPN-CM4-E002		137	165	211	325	4	1/4"			
BPN-CM4-E003		187	216	262	375	4	1/4"			
BPN-CM4-E004		289	318	364	477	4	1/4"			
BPN-CM4-E005	30-35	86	114	168	281	4	1/4"	BDP-AR3175	TDA-117	LLT-15
BPN-CM4-E006		137	165	218	332	4	1/4"			
BPN-CM4-E007		187	216	269	383	4	1/4"			
BPN-CM4-E008		289	318	371	484	4	1/4"			
BPN-CM4-E009	35.5-41	121	152	206	319	4	1/4"	BDP-AR3175	TDA-118	LLT-20
BPN-CM4-E010		165	197	251	364	4	1/4"			
BPN-CM4-E011		210	241	295	408	4	1/4"			
BPN-CM4-E012		349	381	435	548	4	1/4"			
BPN-CM4-E013	42-47.5	121	152	206	319	4	1/4"	BDP-AR3175	TDA-118	LLT-20
BPN-CM4-E014		165	197	251	364	4	1/4"			
BPN-CM4-E015		210	241	295	408	4	1/4"			
BPN-CM4-E016		349	384	435	548	4	1/4"			
BPN-CM5-E001	48-55	130	165	219	364	5	1/4"	BDP-AR4445	TDA-118	LLT-20
BPN-CM5-E002		232	267	321	465	5	1/4"			
BPN-CM5-E003		422	457	511	656	5	1/4"			
BPN-CM5-E004	56-65	130	165	219	364	5	1/4"	BDP-AR4445	TDA-118	LLT-20
BPN-CM5-E005		232	267	321	465	5	1/4"			
BPN-CM5-E006		422	457	511	656	5	1/4"			
BPN-CM5-E007	65-76	172	216	287	430	5	1/2"	BDP-AR5715	TDA-119	LLT-25
BPN-CM5-E008		273	318	389	532	5	1/2"			
BPN-CM5-E009		464	508	579	722	5	1/2"			
BPN-CM5-E010	77-89	172	216	287	430	5	1/2"	BDP-AR5715	TDA-119	LLT-25
BPN-CM5-E011		273	318	389	532	5	1/2"			
BPN-CM5-E012		464	508	579	722	5	1/2"			
BPN-CM5-E013	89-101	172	225	297	440	5	1/2"	BDP-AR5715	TDA-119	LLT-25
BPN-CM5-E014		273	327	388	541	5	1/2"			
BPN-CM5-E015		556	610	681	824	5	1/2"			
BPN-CM5-E016	102-114	172	225	297	440	5	1/2"	BDP-AR5715	TDA-119	LLT-25
BPN-CM5-E017		273	327	399	541	5	1/2"			
BPN-CM5-E018		556	610	681	824	5	1/2"			

Brocas punta intercambiable - Amarre Cono Morse - Tipo Recto



REFERENCIA	D1	L1	L2	L3	L	MT	G2	ANILLO	TORNILLO	LLAVE
BPN-CM2-R001	9.5-11	32	52	88	160	2	1/16"	BDP-AR1905	TDA-120	LLT-7
BPN-CM2-R002	11.5-12.5	32	52	88	160	2	1/16"	BDP-AR1905	TDA-121	LLT-7
BPN-CM2-R003	13-15	35	56	92	164	2	1/16"	BDP-AR1905	TDA-122	LLT-8
BPN-CM2-R004	15.5-17.5	35	56	92	164	2	1/16"	BDP-AR1905	TDA-123	LLT-8
BPN-CM3-R001	18-21.5	70	98	143	233	3	1/8"	BDP-AR2504	TDA-116	LLT-9
BPN-CM3-R002	22-24.5	70	98	143	233	3	1/8"	BDP-AR2504	TDA-116	LLT-9
BPN-CM4-R001	24.5-29.5	86	114	160	274	4	1/8"	BDP-AR2504	TDA-117	LLT-15
BPN-CM4-R002	30-35.5	86	114	168	281	4	1/4"	BDP-AR3175	TDA-117	LLT-15
BPN-CM4-R003	35.5-41	121	152	206	319	4	1/4"	BDP-AR3175	TDA-118	LLT-20
BPN-CM4-R004		349	381	435	548	4	1/4"			
BPN-CM4-R005		559	591	644	757	4	1/4"			
BPN-CM4-R006		787	819	873	986	4	1/4"			
BPN-CM4-R007	42-47	121	152	206	319	4	1/4"	BDP-AR3175	TDA-118	LLT-20
BPN-CM4-R008		349	381	435	548	4	1/4"			
BPN-CM4-R009		559	591	645	757	4	1/4"			
BPN-CM4-R010		787	819	873	986	4	1/4"			
BPN-CM5-R001	48-55	130	165	219	364	5	1/4"	BDP-AR4445	TDA-118	LLT-20
BPN-CM5-R001		422	457	511	656	5	1/4"			
BPN-CM5-R002		625	660	714	859	5	1/4"			
BPN-CM5-R003		879	914	968	1113	5	1/4"			
BPN-CM5-R004	56-65	130	165	219	364	5	1/4"	BDP-AR4445	TDA-118	LLT-20
BPN-CM5-R005		422	457	511	656	5	1/4"			
BPN-CM5-R006		625	660	714	859	5	1/4"			
BPN-CM5-R007		879	914	968	1113	5	1/4"			
BPN-CM5-R008	64-76	172	216	287	430	5	1/2"	BDP-AR5715	TDA-119	LLT-25
BPN-CM5-R009		464	508	579	722	5	1/2"			
BPN-CM5-R010		660	705	776	919	5	1/2"			
BPN-CM5-R011		889	933	1005	1148	5	1/2"			
BPN-CM5-R012	77-89	172	216	287	430	5	1/2"	BDP-AR5715	TDA-119	LLT-25
BPN-CM5-R013		464	508	579	722	5	1/2"			
BPN-CM5-R014		660	705	776	919	5	1/2"			
BPN-CM5-R015		889	933	1005	1148	5	1/2"			
BPN-CM5-R016	89-101	172	225	297	440	5	1/2"	BDP-AR5715	TDA-119	LLT-25
BPN-CM5-R017		556	610	681	824	5	1/2"			
BPN-CM5-R018		685	740	811	954	5	1/2"			
BPN-CM5-R019		939	994	1065	1208	5	1/2"			
BPN-CM5-R020	101-114	172	225	297	440	5	1/2"	BDP-AR5715	TDA-119	LLT-25
BPN-CM5-R021		556	610	681	824	5	1/2"			
BPN-CM5-R022		685	740	811	954	5	1/2"			
BPN-CM5-R023		939	994	1065	1208	5	1/2"			

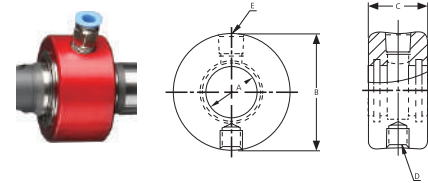
Varilla de tope para Broca de Punta Intercambiable



REFERENCIA	Rosca	Longitud	Para Modelo
BPN-M8-250	M8X1.25	250	BDP-AR1905
BPN-M8-250	M8X1.25	250	BDP-AR2504
BPN-M10-250	M10X1.5	250	BDP-AR3175
BPN-M10-250	M10X1.5	250	BDP-AR4445
BPN-M12-250	M12X1.75	250	BDP-AR5715

Anillo para Refrigeración de brocas

REFERENCIA	A	B	C	D	E
BDP-AR1905	19.05	44.45	22.23	M8X1.25	1/8"
BDP-AR2504	25.40	53.97	28.57	M8X1.25	1/8"
BDP-AR3175	31.75	63.50	34.92	M10X1.5	1/4"
BDP-AR4445	44.45	76.20	34.92	M10X1.5	1/4"
BDP-AR5715	57.15	95.27	44.45	M12X1.75	1/2"



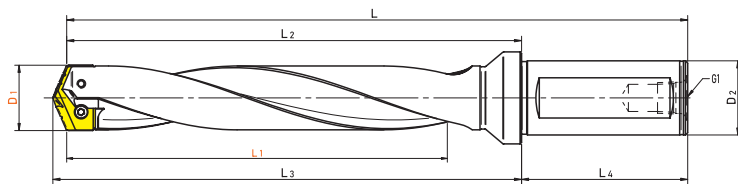
Tornillos / Llave de recambio para Brocas de punta Intercambiable

REFERENCIA
TDA-116
TDA-117
TDA-118
TDA-119
TDA-120
TDA-121
TDA-122
TDA-123



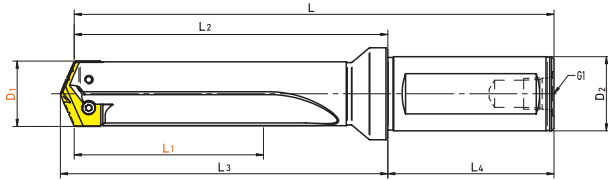
REFERENCIA	Par Apriete N/m
LLT-7	0.5
LLT-8	1.0
LLT-9	1.8
LLT-15	3.5
LLT-20	5.0
LLT-25	7.0

Brocas punta intercambiable - Amarre Plano - Tipo Espiral



REFERENCIA	D1	L1	L2	L3	L	D2	L4	G1	TORNILLO	LLAVE
BPN-D20-E001	9.5-11	60	90	92	140	20	50	1/8"	TDA-120	LLT-7
BPN-D20-E002		111	141	143	191					
BPN-D20-E003	11.5-12.5	60	90	92	140	20	50	1/8"	TDA-121	LLT-7
BPN-D20-E004		111	141	143	191					
BPN-D20-E005	13-15	64	92	95	142	20	50	1/8"	TDA-122	LLT-8
BPN-D20-E006		114	143	146	193					
BPN-D20-E007		178	206	209	256					
BPN-D20-E008	15.5-17.5	64	92	95	142	20	50	1/8"	TDA-123	LLT-8
BPN-D20-E009		114	143	143	193					
BPN-D20-E010		178	206	209	256					
BPN-D25-E001	18-21.5	118	155	158	211	25	56	1/8"	TDA-116	LLT-9
BPN-D25-E002		168	206	209	262					
BPN-D25-E003		270	307	311	363					
BPN-D25-E004	22-24	118	155	158	211	25	56	1/8"	TDA-116	LLT-9
BPN-D25-E005		168	206	209	262					
BPN-D25-E006		270	307	311	363					
BPN-D25-E007	25-29	137	179	183	239	32	60	1/4"	TDA-117	LLT-15
BPN-D32-E001		187	230	234	290					
BPN-D32-E002		289	332	335	392					
BPN-D32-E003	30-35	137	179	183	239	32	60	1/4"	TDA-117	LLT-15
BPN-D32-E004		187	230	234	290					
BPN-D32-E005		289	332	335	392					
BPN-D32-E006	36-41	165	218	222	288	40	70	1/4"	TDA-118	LLT-20
BPN-D40-E001		210	262	267	332					
BPN-D40-E002	42-47	165	218	222	288	40	70	1/4"	TDA-118	LLT-20
BPN-D40-E003		210	262	267	332					
BPN-D40-E004	48-55	232	284	286	351	40	70	1/4"	TDA-118	LLT-20
BPN-D40-E005	56-65	232	281	286	351	40	70	1/4"	TDA-118	LLT-20

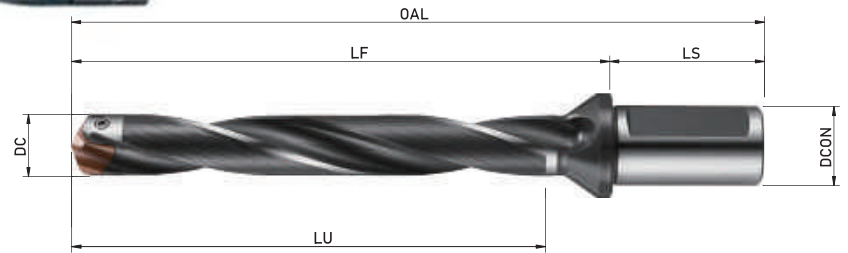
Brocas punta intercambiable - Amarre Plano - Tipo Recto



REFERENCIA	D1	L1	L2	L3	L	D2	L4	G1	TORNILLO	LLAVE
BPN-D16-R001	9.5-11	19	48	50	96	16	48	1/16"	TDA-120	LLT-7
BPN-D20-R001		32	61	64	111	20	50	1/8"		
BPN-D20-R002		222	252	254	302					
BPN-D20-R003		290	320	322	370					
BPN-D16-R002	11.5-12.5	19	48	50	96	16	48	1/16"	TDA-121	LLT-7
BPN-D20-R004		32	61	64	111	20	50	1/8"		
BPN-D20-R005		222	252	254	310					
BPN-D20-R006		290	320	322	370					
BPN-D20-R007	13-15	22	48	50	98	20	50	1/8"	TDA-122	LLT-8
BPN-D20-R008		35	64	66	114					
BPN-D20-R009		295	324	327	374					
BPN-D20-R010		387	416	419	466					
BPN-D20-R011	15.5-17.5	22	48	50	98	20	50	1/8"	TDA-123	LLT-8
BPN-D20-R012		35	64	66	114					
BPN-D20-R013		295	324	327	374					
BPN-D20-R014		387	416	419	466					
BPN-D25-R001	18-21	48	76	79	132	25	56	1/8"	TDA-116	LLT-9
BPN-D25-R002		67	107	111	163					
BPN-D25-R003		457	495	498	551					
BPN-D25-R004		569	603	606	659					
BPN-D25-R005	22-24.5	48	76	79	132	25	56	1/8"	TDA-116	LLT-9
BPN-D25-R006		67	107	111	163					
BPN-D25-R007		457	495	498	551					
BPN-D25-R008		569	603	606	659					
BPN-D32-R001	25-29	57	89	92	149	32	60	1/4"	TDA-117	LLT-15
BPN-D32-R002		86	129	132	189					
BPN-D32-R003		511	554	558	614					
BPN-D32-R004		692	735	739	795					
BPN-D32-R005	30-35	57	89	92	149	32	60	1/4"	TDA-117	LLT-15
BPN-D32-R006		86	129	132	189					
BPN-D32-R007		511	554	558	614					
BPN-D32-R008		692	735	739	795					
BPN-D40-R001	36-41	76	125	130	195	40	70	1/4"	TDA-118	LLT-20
BPN-D40-R002		121	173	178	243					
BPN-D40-R003		349	402	406	472					
BPN-D40-R004		559	611	616	681					
BPN-D40-R005		787	840	845	910					
BPN-D40-R006	42-47	76	125	130	195	40	70	1/4"	TDA-118	LLT-20
BPN-D40-R007		121	173	178	243					
BPN-D40-R008		349	402	406	472					
BPN-D40-R009		559	611	616	681					
BPN-D40-R010		787	840	845	910					
BPN-D40-R011	48-55	130	179	184	249	40	70	1/4"	TDA-118	LLT-20
BPN-D40-R012		422	472	476	545					
BPN-D40-R013		625	675	680	745					
BPN-D40-R014		879	929	934	999					
BPN-D40-R015	56-65	130	179	184	249	40	70	1/4"	TDA-118	LLT-20
BPN-D40-R016		422	472	476	545					
BPN-D40-R017		625	675	680	745					
BPN-D40-R018		879	929	934	999					

BPN - Broca Intercambiable Inserto - 3xD / 5xD / 8xD


- LU - Longitud de Corte
- ϕ Dcon - Diámetro Amarre Weldon
- LF - Longitud hasta tope amarre
- LS - Longitud mango de amarre
- OAL - Longitud total broca



Referencia	Rango	Rango	LU	ϕ Dcon	LF	OAL	LS
BPN3XD-10	10-10.2	3D	31.5	16	48	96	48
BPN5XD-10		5D	52.5	16	69	117	48
BPN8XD-10		8D	84.0	16	100	148	48
BPN3XD-105	10.5	3D	33.0	16	50	98	48
BPN5XD-105		3D	55.0	16	50	98	48
BPN8XD-105		5D	88.0	16	105	153	48
BPN3XD-11	11.0	3D	34.5	16	52	100	48
BPN5XD-11		5D	57.5	16	75	123	48
BPN8XD-11		8D	92.0	16	110	158	48
BPN3XD-115	11.5	3D	36.0	16	54	102	48
BPN5XD-115		5D	60.0	16	78	126	48
BPN8XD-115		8D	96.0	16	114	162	48
BPN3XD-12	12.0	3D	37.5	16	57	105	48
BPN5XD-12		5D	62.5	16	82	130	48
BPN8XD-12		8D	100.0	16	119	167	48
BPN3XD-125	12.5	3D	39.0	16	59	107	48
BPN5XD-125		5D	65.0	16	85	133	48
BPN8XD-125		8D	104.0	16	124	172	48
BPN3XD-13	13.0	3D	40.5	16	61	109	48
BPN5XD-13		5D	67.5	16	88	136	48
BPN8XD-13		8D	108.0	16	128	176	48
BPN3XD-135	13.5	3D	42.0	16	63	111	48
BPN5XD-135		5D	70.0	16	91	139	48
BPN8XD-135		8D	112.0	16	133	181	48
BPN3XD-14	14.0	3D	43.5	16	65	113	48
BPN5XD-14		5D	72.5	16	94	142	48
BPN8XD-14		8D	116.0	16	138	186	48
BPN3XD-145	14.5	3D	45.0	16	67	115	48
BPN5XD-145		5D	75.0	16	97	145	48
BPN8XD-145		8D	120.0	16	142	190	48
BPN3XD-15	15.0/15.5	3D	48.0	20	72	122	50
BPN5XD-15		5D	80.0	20	104	154	50
BPN8XD-15		8D	128.0	20	152	202	50
BPN3XD-16	16.0/16.5	3D	51.0	20	77	127	50
BPN5XD-16		5D	85.0	20	111	161	50
BPN8XD-16		8D	140.0	20	162	212	50
BPN3XD-17	17.0/17.5	3D	54.0	20	81	131	50
BPN5XD-17		5D	90.0	20	117	167	50
BPN8XD-17		8D	144.0	20	171	221	50
BPN3XD-18	18.0/18.5	3D	57.0	25	85	141	56
BPN5XD-18		5D	95.0	25	123	179	56
BPN8XD-18		8D	152.0	25	180	236	56
BPN3XD-19	19.0/19.5	3D	60.0	25	90	146	56
BPN5XD-19		5D	100.0	25	130	186	56
BPN8XD-19		8D	160.0	25	190	246	56

BPN - Broca Intercambiable Inserto - 3xD / 5xD / 8xD - CONTINUACIÓN

Referencia	Rango	Rango	LU	øDcon	LF	OAL	LS
BPN3XD-20	20.0/20.5	3D	63.0	25	94	150	56
BPN5XD-20		5D	105.0	25	136	192	56
BPN8XD-20		8D	168.0	25	199	255	56
BPN3XD-21	21.0/21.5	3D	66.0	25	98	154	56
BPN5XD-21		5D	110.0	25	142	198	56
BPN8XD-21		8D	176.0	25	208	264	56
BPN3XD-22	22.0/22.5	3D	69.0	25	102	158	56
BPN5XD-22		5D	115.0	25	148	204	56
BPN8XD-22		8D	184.0	25	217	273	56
BPN3XD-23	23.0/23.5	3D	72.0	25	107	163	56
BPN5XD-23		5D	120.0	25	155	211	56
BPN8XD-23		8D	192.0	25	227	283	56
BPN3XD-24	24.0/24.5	3D	75.0	32	112	172	60
BPN5XD-24		5D	125.0	32	162	222	60
BPN8XD-24		8D	200.0	32	237	297	60
BPN3XD-25	25.0/25.5	3D	78.0	32	116	176	60
BPN5XD-25		5D	130.0	32	168	228	60
BPN8XD-25		8D	208.0	32	246	306	60
BPN3XD-26	26.0/26.5	3D	81.0	32	121	181	60
BPN5XD-26		5D	135.0	32	175	235	60
BPN8XD-26		8D	216.0	32	256	316	60
BPN3XD-27	27.0/27.5	3D	84.0	32	125	185	60
BPN5XD-27		5D	140.0	32	181	241	60
BPN8XD-27		8D	224.0	32	265	325	60
BPN3XD-28	28.0/28.5	3D	87.0	32	129	189	60
BPN5XD-28		5D	145.0	32	187	247	60
BPN8XD-28		8D	232.0	32	274	334	60
BPN3XD-29	29.0/29.5	3D	90.0	32	133	193	60
BPN5XD-29		5D	150.0	32	193	253	60
BPN8XD-29		8D	240.0	32	283	343	60
BPN3XD-30	30.0/30.5	3D	93.0	32	138	198	60
BPN5XD-30		5D	155.0	32	200	260	60
BPN8XD-30		8D	248.0	32	293	353	60
BPN3XD-31	31.0/31.5	3D	96.0	32	142	202	60
BPN5XD-31		5D	160.0	32	206	266	60
BPN8XD-31		8D	256.0	32	302	362	60
BPN3XD-32	32.0/32.5	3D	96.0	32	146	206	60
BPN5XD-32		5D	165.0	32	212	272	60
BPN8XD-32		8D	264.0	32	311	371	60
BPN3XD-33	33.0/33.5	3D	102.0	32	151	211	60
BPN5XD-33		5D	170.0	32	219	279	60
BPN8XD-33		8D	272.0	32	321	381	60
BPN3XD-34	34.0/34.5	3D	105.0	40	156	226	70
BPN5XD-34		5D	175.0	40	224	294	70
BPN8XD-34		8D	280.0	40	329	399	70
BPN3XD-35	35.0/35.5	3D	108.0	40	160	230	70
BPN5XD-35		5D	180.0	40	230	300	70
BPN8XD-35		8D	288.0	40	338	408	70
BPN3XD-36	36.0/36.5	3D	110.0	40	164	234	70
BPN5XD-36		5D	185.0	40	236	306	70
BPN8XD-36		8D	296.0	40	347	417	70
BPN3XD-37	37.0/37.5	3D	114.0	40	169	239	70
BPN5XD-37		5D	190.0	40	243	313	70
BPN8XD-37		8D	304.0	40	357	427	70
BPN3XD-38	38.0/38.5	3D	117.0	40	173	243	70
BPN5XD-38		5D	195.0	40	249	319	70
BPN8XD-38		8D	312.0	40	366	436	70
BPN5XD-39	39.0	3D	123.0	40	182	252	70
BPN5XD-395	39.5	5D	205.0	40	262	332	70

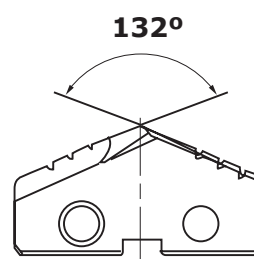
Cuchilla para broca intercambiable CPX

Diámetro Ø	Para Acero CPX-P	Para Inox CPX-M	Para Fundición CPX-K
10.00	CPX-P100	CPX-M100	CPX-K100
10.20	CPX-P102	CPX-M102	CPX-K102
10.50	CPX-P105	CPX-M105	CPX-K105
11.00	CPX-P110	CPX-M110	CPX-K110
11.50	CPX-P115	CPX-M115	CPX-K115
12.00	CPX-P120	CPX-M120	CPX-K120
12.50	CPX-P125	CPX-M125	CPX-K125
13.00	CPX-P130	CPX-M130	CPX-K130
13.50	CPX-P135	CPX-M135	CPX-K135
14.00	CPX-P140	CPX-M140	CPX-K140
14.50	CPX-P145	CPX-M145	CPX-K145
15.00	CPX-P150	CPX-M150	CPX-K150
15.50	CPX-P155	CPX-M155	CPX-K155
16.00	CPX-P160	CPX-M160	CPX-K160
16.50	CPX-P165	CPX-M165	CPX-K165
17.00	CPX-P170	CPX-M170	CPX-K170
17.50	CPX-P175	CPX-M175	CPX-K175
18.00	CPX-P180	CPX-M180	CPX-K180
18.50	CPX-P185	CPX-M185	CPX-K185
19.00	CPX-P190	CPX-M190	CPX-K190
19.50	CPX-P195	CPX-M195	CPX-K195
20.00	CPX-P200	CPX-M200	CPX-K200
20.50	CPX-P205	CPX-M205	CPX-K205
21.00	CPX-P210	CPX-M210	CPX-K210
21.50	CPX-P215	CPX-M215	CPX-K215
22.00	CPX-P220	CPX-M220	CPX-K220
22.50	CPX-P225	CPX-M225	CPX-K225
23.00	CPX-P230	CPX-M230	CPX-K230
23.50	CPX-P235	CPX-M235	CPX-K235
24.00	CPX-P240	CPX-M240	CPX-K240
24.50	CPX-P245	CPX-M245	CPX-K245
25.00	CPX-P250	CPX-M250	CPX-K250
25.50	CPX-P255	CPX-M255	CPX-K255
26.00	CPX-P260	CPX-M260	CPX-K260
26.50	CPX-P265	CPX-M265	CPX-K265
27.00	CPX-P270	CPX-M270	CPX-K270
27.50	CPX-P275	CPX-M275	CPX-K275
28.00	CPX-P280	CPX-M280	CPX-K280
28.50	CPX-P285	CPX-M285	CPX-K285
29.00	CPX-P290	CPX-M290	CPX-K290
29.50	CPX-P295	CPX-M295	CPX-K295
30.00	CPX-P300	CPX-M300	CPX-K300
30.50	CPX-P305	CPX-M305	CPX-K305
31.00	CPX-P310	CPX-M310	CPX-K310
31.50	CPX-P315	CPX-M315	CPX-K315
32.00	CPX-P320	CPX-M320	CPX-K320
32.50	CPX-P325	CPX-M325	CPX-K325
33.00	CPX-P330	CPX-M330	CPX-K330
33.50	CPX-P335	CPX-M335	CPX-K335
34.00	CPX-P340	CPX-M340	CPX-K340
34.50	CPX-P345	CPX-M345	CPX-K345
35.00	CPX-P350	CPX-M350	CPX-K350
35.50	CPX-P355	CPX-M355	CPX-K355
36.00	CPX-P360	CPX-M360	CPX-K360
36.50	CPX-P365	CPX-M365	CPX-K365
37.00	CPX-P370	CPX-M370	CPX-K370
37.50	CPX-P375	CPX-M375	CPX-K375
38.00	CPX-P380	CPX-M380	CPX-K380
39.00	CPX-P390	CPX-M390	CPX-K390



Cuchilla para broca intercambiable NPX25

Referencia NPX	Diámetro \varnothing
NPX25-100	10.00
NPX25-102	10.20
NPX25-105	10.50
NPX25-110	11.00
NPX25-115	11.50
NPX25-120	12.00
NPX25-125	12.50
NPX25-130	13.00
NPX25-135	13.50
NPX25-140	14.00
NPX25-145	14.50
NPX25-150	15.00
NPX25-155	15.50
NPX25-160	16.00
NPX25-165	16.50
NPX25-170	17.00
NPX25-175	17.50
NPX25-180	18.00
NPX25-185	18.50
NPX25-190	19.00
NPX25-195	19.50
NPX25-200	20.00
NPX25-205	20.50
NPX25-210	21.00
NPX25-215	21.50
NPX25-220	22.00
NPX25-225	22.50
NPX25-230	23.00
NPX25-235	23.50
NPX25-240	24.00
NPX25-245	24.50
NPX25-250	25.00
NPX25-255	25.50
NPX25-260	26.00
NPX25-265	26.50
NPX25-270	27.00
NPX25-275	27.50
NPX25-280	28.00
NPX25-285	28.50
NPX25-290	29.00
NPX25-295	29.50
NPX25-300	30.00
NPX25-305	30.50
NPX25-310	31.00
NPX25-315	31.50
NPX25-320	32.00
NPX25-325	32.50
NPX25-330	33.00
NPX25-335	33.50
NPX25-340	34.00
NPX25-345	34.50
NPX25-350	35.00
NPX25-360	36.00
NPX25-370	37.00
NPX25-380	38.00
NPX25-390	39.00
NPX25-400	40.00



Referencia NPX	Diámetro \varnothing
NPX25-410	41.00
NPX25-420	42.00
NPX25-430	43.00
NPX25-440	44.00
NPX25-450	45.00
NPX25-460	46.00
NPX25-470	47.00
NPX25-480	48.00
NPX25-490	49.00
NPX25-500	50.00