

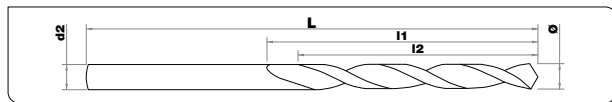
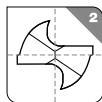
1140281	EAN	Ø	d3	L	I2	QTY PCB	€
11402810320	3221912003027	3,20	3,20	49	18	1	10
11402810325	3221912003034	3,25	3,25	49	18	1	10
11402810330	3221912003041	3,30	3,30	49	18	1	10
11402810350	3221912003058	3,50	3,50	52	20	1	10
11402810375	3221912003065	3,75	3,75	52	20	1	10
11402810400	3221912003072	4,00	4,00	55	22	1	10
11402810410	3221912003089	4,10	4,10	55	22	1	10
11402810420	3221912003096	4,20	4,20	55	22	1	10
11402810425	3221912003102	4,25	4,25	55	22	1	10
11402810450	3221912003119	4,50	4,50	58	24	1	10
11402810490	3221912003126	4,90	4,90	62	26	1	10
11402810500	3221912003133	5,00	5,00	62	26	1	10
11402810525	3221912003140	5,25	5,25	62	26	1	10
11402810550	3221912003157	5,50	5,50	66	28	1	10
11402810600	3221912003164	6,00	6,00	66	28	1	10
11402810650	3221912003171	6,50	6,50	70	31	1	10
11402810680	3221912003188	6,80	6,80	74	34	1	10
11402810700	3221912003195	7,00	7,00	74	34	1	10
11402810750	3221912003201	7,50	7,50	74	34	1	10
11402810800	3221912003218	8,00	8,00	79	37	1	10
11402810850	3221912003225	8,50	8,50	79	37	1	5
11402810900	3221912003232	9,00	9,00	84	40	1	5
11402810950	3221912003249	9,50	9,50	84	40	1	5
11402811000	3221912003256	10,00	10,00	89	43	1	5



**PHOENIX | HSS E5 FULLY GROUND
STUB LENGTH DRILL. TYPE S**

**PHOENIX | BROCA HSS E5 RECTIFI-
CADA CILÍNDRICA SERIE EXTRA-
CORTA. TIPO S**

**PHOENIX | PUNTA HSS E5 CILIN-
DRICA EXTRA-CORTA | TIPO S**



For deep holes. Universal application.
High Performance.

Usos múltiples para agujeros profundos.
Alto rendimiento.

Concepita per forature polivalenti e fori
profondi. Alte prestazioni.



Steels for heat treatment
200-700N/mm²
Aceros para tratamiento térmico
200-700 N/mm²
Acciai per trattamento termico
200-700N/mm²



Heat Treatable Steels <950N/
mm²
Aceros aleados y tratados <
950N/mm²
Acciai per trattamento termico
<950N/mm²



Stainless Steels
Aceros inoxidables
Acciai inossidabili



SG iron
Fundición nodular
Ghisa GS



Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%



8140291	EAN	Ø	d2	L	I1	QTY PCB	€
81402910200	3221910430290	2,00	2,00	38	12	1	10
81402910210	3221910430306	2,10	2,10	38	12	1	10
81402910220	3221910430313	2,20	2,20	40	13	1	10
81402910230	3221910430320	2,30	2,30	40	13	1	10
81402910240	3221910430337	2,40	2,40	43	14	1	10
81402910250	3221910430344	2,50	2,50	43	14	1	10
81402910260	3221910430351	2,60	2,60	43	14	1	10
81402910270	3221910430368	2,70	2,70	46	16	1	10
81402910280	3221910430375	2,80	2,80	46	16	1	10
81402910290	3221910430382	2,90	2,90	46	16	1	10
81402910300	3221910430399	3,00	3,00	46	16	1	10
81402910310	3221910430405	3,10	3,10	49	18	1	10
81402910320	3221910430412	3,20	3,20	49	18	1	10
81402910330	3221910430436	3,30	3,30	49	18	1	10
81402910340	3221910430443	3,40	3,40	52	20	1	10
81402910350	3221910430450	3,50	3,50	52	20	1	10
81402910360	3221910430467	3,60	3,60	52	20	1	10
81402910370	3221910430481	3,70	3,70	52	20	1	10
81402910380	3221910430498	3,80	3,80	55	22	1	10
81402910390	3221910430504	3,90	3,90	55	22	1	10
81402910400	3221910430511	4,00	4,00	55	22	1	10
81402910410	3221910430528	4,10	4,10	55	22	1	10
81402910420	3221910430535	4,20	4,20	55	22	1	10
81402910430	3221910430542	4,30	4,30	58	24	1	10
81402910440	3221910430559	4,40	4,40	58	24	1	10





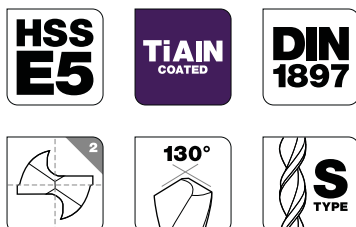
8140291	EAN	Ø	d2	L	I1	QTY PCB	€
81402910450	3221910430566	4,50	4,50	58	24	1	10
81402910460	3221910430573	4,60	4,60	58	24	1	10
81402910470	3221910430580	4,70	4,70	58	24	1	10
81402910480	3221910430597	4,80	4,80	62	26	1	10
81402910490	3221910430603	4,90	4,90	62	26	1	10
81402910500	3221910430610	5,00	5,00	62	26	1	10
81402910510	3221910430627	5,10	5,10	62	26	1	10
81402910520	3221910430634	5,20	5,20	62	26	1	10
81402910530	3221910430641	5,30	5,30	62	26	1	10
81402910540	3221910430658	5,40	5,40	66	28	1	10
81402910550	3221910430665	5,50	5,50	66	28	1	10
81402910560	3221910430672	5,60	5,60	66	28	1	10
81402910570	3221910430689	5,70	5,70	66	28	1	10
81402910580	3221910430696	5,80	5,80	66	28	1	10
81402910590	3221910430702	5,90	5,90	66	28	1	10
81402910600	3221910430719	6,00	6,00	66	28	1	10
81402910610	3221910430726	6,10	6,10	70	31	1	10
81402910620	3221910430733	6,20	6,20	70	31	1	10
81402910630	3221910430740	6,30	6,30	70	31	1	10
81402910640	3221910430757	6,40	6,40	70	31	1	10
81402910650	3221910430764	6,50	6,50	70	31	1	10
81402910660	3221910430771	6,60	6,60	70	31	1	10
81402910670	3221910430788	6,70	6,70	70	31	1	10
81402910680	3221910430801	6,80	6,80	74	34	1	10
81402910690	3221910430818	6,90	6,90	74	34	1	10
81402910700	3221910430825	7,00	7,00	74	34	1	10
81402910710	3221910430832	7,10	7,10	74	34	1	10
81402910720	3221910430849	7,20	7,20	74	34	1	10
81402910730	3221910430856	7,30	7,30	74	34	1	10
81402910740	3221910430863	7,40	7,40	74	34	1	10
81402910750	3221910430870	7,50	7,50	74	34	1	10
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81402910770	3221910430894	7,70	7,70	79	37	1	10
81402910780	3221910430900	7,80	7,80	79	37	1	10
81402910790	3221910430917	7,90	7,90	79	37	1	10
81402910800	3221910430924	8,00	8,00	79	37	1	10
81402910810	3221910430931	8,10	8,10	79	37	1	5
81402910820	3221910430948	8,20	8,20	79	37	1	5
81402910830	3221910430955	8,30	8,30	79	37	1	5
81402910840	3221910430962	8,40	8,40	79	37	1	5
81402910850	3221910430979	8,50	8,50	79	37	1	5
81402910860	3221910430986	8,60	8,60	84	40	1	5
81402910870	3221910430993	8,70	8,70	84	40	1	5
81402910880	3221910431006	8,80	8,80	84	40	1	5
81402910890	3221910431013	8,90	8,90	84	40	1	5
81402910900	3221910431020	9,00	9,00	84	40	1	5
81402910910	3221910431037	9,10	9,10	84	40	1	5
81402910920	3221910431044	9,20	9,20	84	40	1	5
81402910930	3221910431051	9,30	9,30	84	40	1	5
81402910940	3221910431068	9,40	9,40	84	40	1	5
81402910950	3221910431075	9,50	9,50	84	40	1	5
81402910960	3221910431082	9,60	9,60	89	43	1	5
81402910970	3221910431099	9,70	9,70	89	43	1	5
81402910980	3221910431105	9,80	9,80	89	43	1	5
81402910990	3221910431112	9,90	9,90	89	43	1	5
81402911000	3221910431129	10,00	10,00	89	43	1	5
81402911010	3221910431136	10,10	10,10	89	43	1	5
81402911020	3221910431143	10,20	10,20	89	43	1	5
81402911030	3221910431150	10,30	10,30	89	43	1	5
81402911040	3221910431167	10,40	10,40	89	43	1	5
81402911050	3221910431174	10,50	10,50	89	43	1	5
81402911060	3221910431181	10,60	10,60	89	43	1	5
81402911070	3221910431198	10,70	10,70	95	47	1	5
81402911080	3221910431204	10,80	10,80	95	47	1	5
81402911090	3221910431211	10,90	10,90	95	47	1	5
81402911100	3221910431228	11,00	11,00	95	47	1	5
81402911110	3221910431235	11,10	11,10	95	47	1	5
81402911120	3221910431242	11,20	11,20	95	47	1	5
81402911130	3221910431259	11,30	11,30	95	47	1	5
81402911140	3221910431266	11,40	11,40	95	47	1	5
81402911150	3221910431273	11,50	11,50	95	47	1	5
81402911160	3221910431280	11,60	11,60	95	47	1	5
81402911170	3221910431297	11,70	11,70	95	47	1	5
81402911180	3221910431303	11,80	11,80	95	47	1	5
81402911190	3221910431310	11,90	11,90	102	51	1	5
81402911200	3221910431327	12,00	12,00	102	51	1	5
81402911210	3221910431334	12,10	12,10	102	51	1	5
81402911220	3221910431341	12,20	12,20	102	51	1	5
81402911230	3221910431358	12,30	12,30	102	51	1	5
81402911240	3221910431365	12,40	12,40	102	51	1	5
81402911250	3221910431372	12,50	12,50	102	51	1	5



8140291	EAN	Ø	d2	L	I1	QTY PCB	€
81402911260	3221910431389	12,60	12,60	102	51	1	5
81402911270	3221910431396	12,70	12,70	102	51	1	5
81402911280	3221910431402	12,80	12,80	102	51	1	5
81402911290	3221910431419	12,90	12,90	102	51	1	5
81402911300	3221910431426	13,00	13,00	102	51	1	5
81402911350	3221910431433	13,50	13,50	107	54	1	5
81402911400	3221910431440	14,00	14,00	107	54	1	5
81402911450	3221910431457	14,50	14,50	111	56	1	5
81402911500	3221910431464	15,00	15,00	111	56	1	5
81402911550	3221910431471	15,50	15,50	115	58	1	1
81402911600	3221910431488	16,00	16,00	115	58	1	1
81402911650	3221910431495	16,50	16,50	119	60	1	1
81402911700	3221910431501	17,00	17,00	119	60	1	1
81402911750	3221910431518	17,50	17,50	123	62	1	1
81402911800	3221910431525	18,00	18,00	123	62	1	1
81402911850	3221910431532	18,50	18,50	127	64	1	1
81402911900	3221910431549	19,00	19,00	127	64	1	1
81402911950	3221910431556	19,50	19,50	131	66	1	1
81402912000	3221910431563	20,00	20,00	131	66	1	1



PHOENIX | HSSE5 TIALN FULLY GROUND STUB LENGTH DRILL. TYPE S



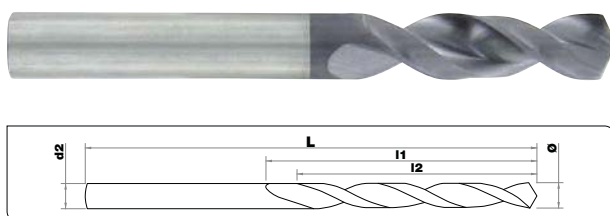
For deep holes. Universal application. High Performance.

PHOENIX | BROCA HSSE5 TIALN RECTIFICADA CILÍNDRICA SERIE EXTRA-CORTA. TIPO S



Usos múltiples para agujeros profundos. Alto rendimiento.

PHOENIX | PUNTA HSSE5 TIALN CILINDRICA EXTRA-CORTA | TIPO S



Concepita per forature polivalenti e fori profondi. Alte prestazioni.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

J SG iron
Fundición nodular
Ghisa GS

M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%



8143911	EAN	Ø	d2	L	I1	QTY PCB	€
81439110200	3221910783655	2,00	2,00	38	12	1	10
81439110210	3221910783662	2,10	2,10	38	12	1	10
81439110220	3221910783679	2,20	2,20	40	13	1	10
81439110230	3221910783686	2,30	2,30	40	13	1	10
81439110240	3221910783693	2,40	2,40	43	14	1	10
81439110250	3221910783709	2,50	2,50	43	14	1	10
81439110260	3221910783716	2,60	2,60	43	14	1	10
81439110270	3221910783723	2,70	2,70	46	16	1	10
81439110280	3221910783730	2,80	2,80	46	16	1	10
81439110290	3221910783747	2,90	2,90	46	16	1	10
81439110300	3221910783754	3,00	3,00	46	16	1	10
81439110310	3221910783761	3,10	3,10	49	18	1	10
81439110320	3221910783778	3,20	3,20	49	18	1	10
81439110330	3221910783785	3,30	3,30	49	18	1	10
81439110340	3221910783792	3,40	3,40	52	20	1	10
81439110350	3221910783808	3,50	3,50	52	20	1	10
81439110360	3221910783815	3,60	3,60	52	20	1	10
81439110370	3221910783822	3,70	3,70	52	20	1	10
81439110380	3221910783839	3,80	3,80	55	22	1	10
81439110390	3221910783846	3,90	3,90	55	22	1	10
81439110400	3221910783853	4,00	4,00	55	22	1	10
81439110410	3221910783860	4,10	4,10	55	22	1	10
81439110420	3221910783877	4,20	4,20	55	22	1	10
81439110430	3221910783884	4,30	4,30	58	24	1	10
81439110440	3221910783891	4,40	4,40	58	24	1	10
81439110450	3221910783907	4,50	4,50	58	24	1	10
81439110460	3221910783914	4,60	4,60	58	24	1	10
81439110470	3221910783921	4,70	4,70	58	24	1	10
81439110480	3221910783938	4,80	4,80	62	26	1	10





8143911	EAN	Ø	d2	L	I1	QTY PCB	€
81439110490	3221910783945	4,90	4,90	62	26	1	10
81439110500	3221910783952	5,00	5,00	62	26	1	10
81439110510	3221910783969	5,10	5,10	62	26	1	10
81439110520	3221910783976	5,20	5,20	62	26	1	10
81439110530	3221910783983	5,30	5,30	62	26	1	10
81439110540	3221910783990	5,40	5,40	66	28	1	10
81439110550	3221910784003	5,50	5,50	66	28	1	10
81439110560	3221910784010	5,60	5,60	66	28	1	10
81439110570	3221910784027	5,70	5,70	66	28	1	10
81439110580	3221910784034	5,80	5,80	66	28	1	10
81439110590	3221910784041	5,90	5,90	66	28	1	10
81439110600	3221910784058	6,00	6,00	66	28	1	10
81439110610	3221910784065	6,10	6,10	70	31	1	10
81439110620	3221910784072	6,20	6,20	70	31	1	10
81439110630	3221910784089	6,30	6,30	70	31	1	10
81439110640	3221910784096	6,40	6,40	70	31	1	10
81439110650	3221910784102	6,50	6,50	70	31	1	10
81439110660	3221910784119	6,60	6,60	70	31	1	10
81439110670	3221910784126	6,70	6,70	70	31	1	10
81439110680	3221910784133	6,80	6,80	74	34	1	10
81439110690	3221910784140	6,90	6,90	74	34	1	10
81439110700	3221910784157	7,00	7,00	74	34	1	10
81439110710	3221910784164	7,10	7,10	74	34	1	10
81439110720	3221910784171	7,20	7,20	74	34	1	10
81439110730	3221910784188	7,30	7,30	74	34	1	10
81439110740	3221910784195	7,40	7,40	74	34	1	10
81439110750	3221910784201	7,50	7,50	74	34	1	10
81439110760	3221910784218	7,60	7,60	79	37	1	10
81439110770	3221910784225	7,70	7,70	79	37	1	10
81439110780	3221910784232	7,80	7,80	79	37	1	10
81439110790	3221910784249	7,90	7,90	79	37	1	10
81439110800	3221910784256	8,00	8,00	79	37	1	10
81439110810	3221910784263	8,10	8,10	79	37	1	5
81439110820	3221910784270	8,20	8,20	79	37	1	5
81439110830	3221910784287	8,30	8,30	79	37	1	5
81439110840	3221910784294	8,40	8,40	79	37	1	5
81439110850	3221910784300	8,50	8,50	79	37	1	5
81439110860	3221910784317	8,60	8,60	84	40	1	5
81439110870	3221910784324	8,70	8,70	84	40	1	5
81439110880	3221910784331	8,80	8,80	84	40	1	5
81439110890	3221910784348	8,90	8,90	84	40	1	5
81439110900	3221910784355	9,00	9,00	84	40	1	5
81439110910	3221910784362	9,10	9,10	84	40	1	5
81439110920	3221910784379	9,20	9,20	84	40	1	5
81439110930	3221910784386	9,30	9,30	84	40	1	5
81439110940	3221910784393	9,40	9,40	84	40	1	5
81439110950	3221910784409	9,50	9,50	84	40	1	5
81439110960	3221910784416	9,60	9,60	89	43	1	5
81439110970	3221910784423	9,70	9,70	89	43	1	5
81439110980	3221910784430	9,80	9,80	89	43	1	5
81439110990	3221910784447	9,90	9,90	89	43	1	5
81439111000	3221910784454	10,00	10,00	89	43	1	5
81439111010	3221910784461	10,10	10,10	89	43	1	5
81439111020	3221910784478	10,20	10,20	89	43	1	5
81439111030	3221910784485	10,30	10,30	89	43	1	5
81439111040	3221910784492	10,40	10,40	89	43	1	5
81439111050	3221910784508	10,50	10,50	89	43	1	5
81439111060	3221910784515	10,60	10,60	89	43	1	5
81439111070	3221910784522	10,70	10,70	95	47	1	5
81439111080	3221910784539	10,80	10,80	95	47	1	5
81439111090	3221910784546	10,90	10,90	95	47	1	5
81439111100	3221910784553	11,00	11,00	95	47	1	5
81439111110	3221910784560	11,10	11,10	95	47	1	5
81439111120	3221910784577	11,20	11,20	95	47	1	5
81439111130	3221910784584	11,30	11,30	95	47	1	5
81439111140	3221910784591	11,40	11,40	95	47	1	5
81439111150	3221910784607	11,50	11,50	95	47	1	5
81439111160	3221910784614	11,60	11,60	95	47	1	5
81439111170	3221910784621	11,70	11,70	95	47	1	5
81439111180	3221910784638	11,80	11,80	95	47	1	5
81439111190	3221910784645	11,90	11,90	102	51	1	5
81439111200	3221910784652	12,00	12,00	102	51	1	5
81439111210	3221910784669	12,10	12,10	102	51	1	5
81439111220	3221910784676	12,20	12,20	102	51	1	5
81439111230	3221910784683	12,30	12,30	102	51	1	5
81439111240	3221910784690	12,40	12,40	102	51	1	5
81439111250	3221910784706	12,50	12,50	102	51	1	5
81439111260	3221910784713	12,60	12,60	102	51	1	5
81439111270	3221910784720	12,70	12,70	102	51	1	5
81439111280	3221910784737	12,80	12,80	102	51	1	5
81439111290	3221910784744	12,90	12,90	102	51	1	5



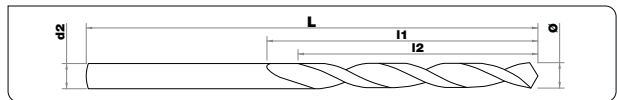
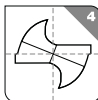
8143911	EAN	Ø	d2	L	I1	QTY PCB	€
81439111300	3221910784751	13,00	13,00	102	51	1	5
81439111350	3221910784768	13,50	13,50	107	54	1	5
81439111400	3221910784775	14,00	14,00	107	54	1	5
81439111450	3221910784782	14,50	14,50	111	56	1	5
81439111500	3221910784799	15,00	15,00	111	56	1	5
81439111550	3221910784805	15,50	15,50	115	58	1	1
81439111600	3221910784812	16,00	16,00	115	58	1	1
81439111650	3221910784829	16,50	16,50	119	60	1	1
81439111700	3221910784836	17,00	17,00	119	60	1	1
81439111750	3221910784843	17,50	17,50	123	62	1	1
81439111800	3221910784850	18,00	18,00	123	62	1	1
81439111850	3221910784867	18,50	18,50	127	64	1	1
81439111900	3221910784874	19,00	19,00	127	64	1	1
81439111950	3221910784881	19,50	19,50	131	66	1	1
81439112000	3221910784898	20,00	20,00	131	66	1	1



HSS-E8 (M42) FULLY GROUND STUB LENGTH DRILL.

BROCA HSS-E8 (M42) RECTIFICADA CILÍNDRICA EXTRA-CORTA

PUNTA HSS-E8 CILINDRICA EXTRA-CORTA. TIPO N



For Special alloys Nickel/Cobalt and titanium. High Performance.

Para aleaciones Nickel / Cobalt y Titanio. Alto rendimiento.

Foratura leghe nichel/cobalto e titanio. Alte prestazioni.



Ni / Co based special alloys
Aleaciones refractarias Co / Ni
Leghe refrattarie Co / Ni



Titanium alloys
Aleaciones de titanio
Leghe di titanio

8140311	EAN	Ø	d2	L	I1	QTY PCB	€
81403110200	3221910735753	2,00	2,00	38	12	1	10
81403110210	3221910735760	2,10	2,10	38	12	1	10
81403110220	3221910735777	2,20	2,20	40	13	1	10
81403110230	3221910735784	2,30	2,30	40	13	1	10
81403110240	3221910735791	2,40	2,40	43	14	1	10
81403110250	3221910735807	2,50	2,50	43	14	1	10
81403110260	3221910735814	2,60	2,60	43	14	1	10
81403110270	3221910735821	2,70	2,70	46	16	1	10
81403110280	3221910735838	2,80	2,80	46	16	1	10
81403110290	3221910735845	2,90	2,90	46	16	1	10
81403110300	3221910735852	3,00	3,00	46	16	1	10
81403110310	3221910735869	3,10	3,10	49	18	1	10
81403110320	3221910735876	3,20	3,20	49	18	1	10
81403110330	3221910735883	3,30	3,30	49	18	1	10
81403110340	3221910735890	3,40	3,40	52	20	1	10
81403110350	3221910735906	3,50	3,50	52	20	1	10
81403110360	3221910735913	3,60	3,60	52	20	1	10
81403110370	3221910735920	3,70	3,70	52	20	1	10
81403110380	3221910735937	3,80	3,80	55	22	1	10
81403110390	3221910735944	3,90	3,90	55	22	1	10
81403110400	3221910735951	4,00	4,00	55	22	1	10
81403110410	3221910735968	4,10	4,10	55	22	1	10
81403110420	3221910735975	4,20	4,20	55	22	1	10
81403110430	3221910735982	4,30	4,30	58	24	1	10
81403110440	3221910735999	4,40	4,40	58	24	1	10
81403110450	3221910736006	4,50	4,50	58	24	1	10
81403110460	3221910736019	4,60	4,60	58	24	1	10
81403110470	3221910736026	4,70	4,70	58	24	1	10
81403110480	3221910736033	4,80	4,80	62	26	1	10
81403110490	3221910736040	4,90	4,90	62	26	1	10
81403110500	3221910736057	5,00	5,00	62	26	1	10
81403110510	3221910736064	5,10	5,10	62	26	1	10
81403110520	3221910736071	5,20	5,20	62	26	1	10
81403110530	3221910736088	5,30	5,30	62	26	1	10
81403110540	3221910736095	5,40	5,40	66	28	1	10
81403110550	3221910736101	5,50	5,50	66	28	1	10
81403110560	3221910736118	5,60	5,60	66	28	1	10
81403110570	3221910736125	5,70	5,70	66	28	1	10
81403110580	3221910736132	5,80	5,80	66	28	1	10



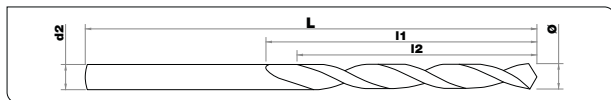
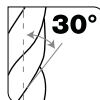
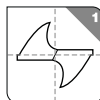
8140311	EAN	Ø	d2	L	I1	QTY PCB	€
81403110590	3221910736149	5,90	5,90	66	28	1 10	
81403110600	3221910736156	6,00	6,00	66	28	1 10	
81403110610	3221910736163	6,10	6,10	70	31	1 10	
81403110620	3221910736170	6,20	6,20	70	31	1 10	
81403110630	3221910736187	6,30	6,30	70	31	1 10	
81403110640	3221910736194	6,40	6,40	70	31	1 10	
81403110650	3221910736200	6,50	6,50	70	31	1 10	
81403110660	3221910736217	6,60	6,60	70	31	1 10	
81403110670	3221910736224	6,70	6,70	70	31	1 10	
81403110680	3221910736231	6,80	6,80	74	34	1 10	
81403110690	3221910736248	6,90	6,90	74	34	1 10	
81403110700	3221910736255	7,00	7,00	74	34	1 10	
81403110720	3221910736262	7,20	7,20	74	34	1 10	
81403110750	3221910736279	7,50	7,50	74	34	1 10	
81403110780	3221910736286	7,80	7,80	79	37	1 10	
81403110800	3221910736293	8,00	8,00	79	37	1 10	
81403110820	3221910736309	8,20	8,20	79	37	1 5	
81403110850	3221910736316	8,50	8,50	79	37	1 5	
81403110880	3221910736323	8,80	8,80	84	40	1 5	
81403110900	3221910736330	9,00	9,00	84	40	1 5	
81403110950	3221910736347	9,50	9,50	84	40	1 5	
81403111000	3221910736354	10,00	10,00	89	43	1 5	
81403111050	3221910736361	10,50	10,50	89	43	1 5	
81403111100	3221910736378	11,00	11,00	95	47	1 5	
81403111150	3221910736385	11,50	11,50	95	47	1 5	
81403111200	3221910736392	12,00	12,00	102	51	1 5	
81403111250	3221910736408	12,50	12,50	102	51	1 5	
81403111300	3221910736415	13,00	13,00	102	51	1 5	
81403111350	3221910736422	13,50	13,50	107	54	1 5	
81403111400	3221910736439	14,00	14,00	107	54	1 5	
81403111450	3221910736446	14,50	14,50	111	56	1 5	
81403111500	3221910736453	15,00	15,00	111	56	1 5	
81403111550	3221910736460	15,50	15,50	115	58	1 1	
81403111600	3221910736477	16,00	16,00	115	58	1 1	



**R | HSS ROLL FORGED JOBBER
LENGTH DRILL.**

**R | BROCA HSS LAMINADA CILÍN-
DRICA. SERIE CORTA.**

**R | PUNTA LAMINATA CILINDRICA
CORTA.**



For steels.

Para aceros en general.

Foratura acciaio comune.



Heat Treatable Steels <400N/
mm²
Aceros aleados y tratados <
400N/mm²
Acciai per trattamento termico
<400N/mm²

9020011	EAN	Ø	d2	L	I1	QTY PCB	€
90200110050	3221910100346	0,50	0,50	22	6	1 10	
90200110060	3221910100353	0,60	0,60	24	7	1 10	
90200110070	3221910100360	0,70	0,70	28	9	1 10	
90200110075	3221910100377	0,75	0,75	28	9	1 10	
90200110080	3221910100384	0,80	0,80	30	10	1 10	
90200110090	3221910100391	0,90	0,90	32	11	1 10	
90200110100	3221910813673	1,00	1,00	32	11	1 10	
90200110110	3221910100414	1,10	1,10	36	14	1 10	
90200110120	3221910100421	1,20	1,20	38	16	1 10	
90200110125	3221910100438	1,25	1,25	38	16	1 10	
90200110130	3221910100445	1,30	1,30	38	16	1 10	
90200110140	3221910100452	1,40	1,40	40	18	1 10	
90200110150	3221910813680	1,50	1,50	40	18	1 10	
90200110160	3221910100476	1,60	1,60	43	20	1 10	
90200110170	3221910100483	1,70	1,70	43	20	1 10	
90200110175	3221910100490	1,75	1,75	46	22	1 10	
90200110180	3221910100506	1,80	1,80	46	22	1 10	
90200110190	3221910100513	1,90	1,90	46	22	1 10	
90200110200	3221910813697	2,00	2,00	49	24	1 10	
90200110210	3221910100537	2,10	2,10	49	24	1 10	

