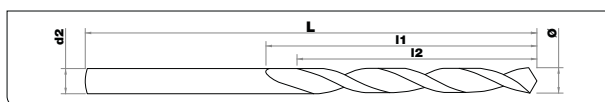
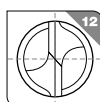


8240511	EAN	Ø	d2	L	I1	QTY PCB	€
82405111050	3221910801403	10,50	10,50	89	60	1 1	
82405111100	3221910801410	11,00	11,00	95	64	1 1	
82405111150	3221910801427	11,50	11,50	95	64	1 1	
82405111200	3221910801434	12,00	12,00	102	70	1 1	
82405111250	3221910801441	12,50	12,50	102	70	1 1	
82405111300	3221910801458	13,00	13,00	102	70	1 1	
82405111350	3221910801465	13,50	13,50	107	73	1 1	
82405111400	3221910801472	14,00	14,00	107	73	1 1	
82405111450	3221910801489	14,50	14,50	111	76	1 1	
82405111500	3221910801496	15,00	15,00	111	76	1 1	
82405111600	3221910801519	16,00	16,00	115	80	1 1	


**SOLID CARBIDE STUB LENGTH  
DRILL.**
**BROCA METAL DURO MONOBLOC  
SERIE EXTRA-CORTA.**
**PUNTA IN MD INTEGRALE EXTRA-  
CORTA.**


For abrasive materials, good chip clearance, profitability.

Para materiales abrasivos, buena evacuación de viruta, rentabilidad.

Per materiali abrasivi, buona evacuazione dei trucioli. Redditività.



Steels for heat treatment  
200-700N/mm<sup>2</sup>  
Aceros para tratamiento térmico  
200-700 N/mm<sup>2</sup>  
Acciai per trattamento termico  
200-700N/mm<sup>2</sup>



Steels for heat treatment  
700-1400N/mm<sup>2</sup>  
Aceros para tratamiento térmico  
700-1400 N/mm<sup>2</sup>  
Acciai per trattamento termico  
700-1400N/mm<sup>2</sup>



Stainless Steels  
Aceros inoxidables  
Acciai inossidabili



Cast iron  
Fundiciones  
Ghisa



Aluminium alloys  
Aleaciones de aluminio  
Leghe di alluminio



Ni / Co based special alloys &  
Titanium  
Aleaciones refractarias Co / Ni  
y Titanio  
Leghe refrattarie Co / Ni i titanio



8240221	EAN	Ø	d2	L	I1	QTY PCB	€
82402210100	3221910799083	1,00	1,00	30	11	1 1	
82402210110	3221910799090	1,10	1,10	30	11	1 1	
82402210120	3221910799106	1,20	1,20	30	11	1 1	
82402210130	3221910799113	1,30	1,30	30	11	1 1	
82402210140	3221910799120	1,40	1,40	30	11	1 1	
82402210150	3221910799137	1,50	1,50	30	11	1 1	
82402210160	3221910799144	1,60	1,60	38	12	1 1	
82402210170	3221910799151	1,70	1,70	38	12	1 1	
82402210180	3221910799168	1,80	1,80	38	12	1 1	
82402210190	3221910799175	1,90	1,90	38	12	1 1	
82402210200	3221910799182	2,00	2,00	38	12	1 1	
82402210210	3221910799199	2,10	2,10	38	12	1 1	
82402210220	3221910799205	2,20	2,20	40	13	1 1	
82402210230	3221910799212	2,30	2,30	40	13	1 1	
82402210240	3221910799229	2,40	2,40	43	14	1 1	
82402210250	3221910799236	2,50	2,50	43	14	1 1	
82402210260	3221910799243	2,60	2,60	43	14	1 1	
82402210270	3221910799250	2,70	2,70	46	16	1 1	
82402210280	3221910799267	2,80	2,80	46	16	1 1	
82402210290	3221910799274	2,90	2,90	46	16	1 1	
82402210300	3221910799281	3,00	3,00	46	16	1 1	
82402210310	3221910799298	3,10	3,10	49	18	1 1	
82402210320	3221910799304	3,20	3,20	49	18	1 1	
82402210330	3221910799311	3,30	3,30	49	18	1 1	
82402210340	3221910799328	3,40	3,40	52	20	1 1	
82402210350	3221910799335	3,50	3,50	52	20	1 1	
82402210360	3221910799342	3,60	3,60	52	20	1 1	
82402210370	3221910799359	3,70	3,70	52	20	1 1	
82402210380	3221910799366	3,80	3,80	55	22	1 1	
82402210390	3221910799373	3,90	3,90	55	22	1 1	
82402210400	3221910799380	4,00	4,00	55	22	1 1	
82402210410	3221910799397	4,10	4,10	55	22	1 1	
82402210420	3221910799403	4,20	4,20	55	22	1 1	
82402210430	3221910799410	4,30	4,30	58	24	1 1	
82402210440	3221910799427	4,40	4,40	58	24	1 1	
82402210450	3221910799434	4,50	4,50	58	24	1 1	
82402210460	3221910799441	4,60	4,60	58	24	1 1	





<b>8240221</b>	<b>EAN</b>	<b>Ø</b>	<b>d2</b>	<b>L</b>	<b>I1</b>	<b>QTY PCB</b>	<b>€</b>
82402210470	3221910799458	4,70	4,70	58	24	1 1	
82402210480	3221910799465	4,80	4,80	62	26	1 1	
82402210490	3221910799472	4,90	4,90	62	26	1 1	
82402210500	3221910799489	5,00	5,00	62	26	1 1	
82402210510	3221910799496	5,10	5,10	62	26	1 1	
82402210520	3221910799502	5,20	5,20	62	26	1 1	
82402210530	3221910799519	5,30	5,30	62	26	1 1	
82402210540	3221910799526	5,40	5,40	66	28	1 1	
82402210550	3221910799533	5,50	5,50	66	28	1 1	
82402210560	3221910799540	5,60	5,60	66	28	1 1	
82402210570	3221910799557	5,70	5,70	66	28	1 1	
82402210580	3221910799564	5,80	5,80	66	28	1 1	
82402210590	3221910799571	5,90	5,90	66	28	1 1	
82402210600	3221910799588	6,00	6,00	66	28	1 1	
82402210610	3221910799595	6,10	6,10	70	31	1 1	
82402210620	3221910799601	6,20	6,20	70	31	1 1	
82402210630	3221910799618	6,30	6,30	70	31	1 1	
82402210640	3221910799625	6,40	6,40	70	31	1 1	
82402210650	3221910799632	6,50	6,50	70	31	1 1	
82402210660	3221910799649	6,60	6,60	70	31	1 1	
82402210670	3221910799656	6,70	6,70	70	31	1 1	
82402210680	3221910799663	6,80	6,80	74	34	1 1	
82402210690	3221910799670	6,90	6,90	74	34	1 1	
82402210700	3221910799687	7,00	7,00	74	34	1 1	
82402210710	3221910799694	7,10	7,10	74	34	1 1	
82402210720	3221910799700	7,20	7,20	74	34	1 1	
82402210730	3221910799717	7,30	7,30	74	34	1 1	
82402210740	3221910799724	7,40	7,40	74	34	1 1	
82402210750	3221910799731	7,50	7,50	74	34	1 1	
82402210760	3221910799748	7,60	7,60	79	37	1 1	
82402210770	3221910799755	7,70	7,70	79	37	1 1	
82402210780	3221910799762	7,80	7,80	79	37	1 1	
82402210790	3221910799779	7,90	7,90	79	37	1 1	
82402210800	3221910799786	8,00	8,00	79	37	1 1	
82402210810	3221910799793	8,10	8,10	79	37	1 1	
82402210820	3221910799809	8,20	8,20	79	37	1 1	
82402210830	3221910799816	8,30	8,30	79	37	1 1	
82402210840	3221910799823	8,40	8,40	79	37	1 1	
82402210850	3221910799830	8,50	8,50	79	37	1 1	
82402210900	3221910799854	9,00	9,00	84	40	1 1	
82402210950	3221910799878	9,50	9,50	84	40	1 1	
82402211000	3221910799892	10,00	10,00	89	43	1 1	
82402211020	3221910799908	10,20	10,20	89	43	1 1	
82402211050	3221910799915	10,50	10,50	89	43	1 1	
82402211100	3221910799922	11,00	11,00	95	47	1 1	
82402211150	3221910799939	11,50	11,50	95	47	1 1	
82402211200	3221910799946	12,00	12,00	102	51	1 1	
82402211250	3221910799953	12,50	12,50	102	51	1 1	
82402211300	3221910799960	13,00	13,00	102	51	1 1	
82402211400	3221910799977	14,00	14,00	107	54	1 1	
82402211600	3221910799991	16,00	16,00	115	58	1 1	

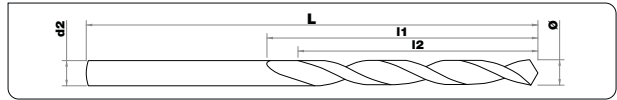
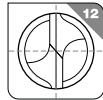




**SOLID CARBIDE JOBBER LENGTH DRILL.**

**BROCA METAL DURO MONOBLOC SERIE CORTA.**

**PUNTA IN MD INTEGRALE CORTA.**



For abrasive materials, good chip clearance, profitability.

Para materiales abrasivos, buena evacuación de viruta, rentabilidad.

Per materiali abrasivi, buona evacuazione dei trucioli. Redditività.



Steels for heat treatment  
200-700N/mm<sup>2</sup>  
Aceros para tratamiento térmico  
200-700 N/mm<sup>2</sup>  
Acciai per trattamento termico  
200-700N/mm<sup>2</sup>



Steels for heat treatment  
700-1400N/mm<sup>2</sup>  
Aceros para tratamiento térmico  
700-1400 N/mm<sup>2</sup>  
Acciai per trattamento termico  
700-1400N/mm<sup>2</sup>



Stainless Steels  
Aceros inoxidables  
Acciai inossidabili



Cast iron  
Fundiciones  
Ghisa



Aluminium alloys  
Aleaciones de aluminio  
Leghe di alluminio



Ni / Co based special alloys & Titanium  
Aleaciones refractarias Co / Ni y Titanio  
Leghe refrattarie Co / Ni i titanio



8243921	EAN	Ø	d2	L	l1	QTY	PCB	€
82439210100	3221910809331	1,00	1,00	34	12	1	1	
82439210110	3221910809348	1,10	1,10	36	14	1	1	
82439210120	3221910809355	1,20	1,20	38	16	1	1	
82439210130	3221910809362	1,30	1,30	38	16	1	1	
82439210140	3221910809379	1,40	1,40	40	18	1	1	
82439210150	3221910809386	1,50	1,50	40	18	1	1	
82439210160	3221910809393	1,60	1,60	43	20	1	1	
82439210170	3221910809409	1,70	1,70	43	20	1	1	
82439210180	3221910809416	1,80	1,80	46	22	1	1	
82439210190	3221910809423	1,90	1,90	46	22	1	1	
82439210200	3221910809430	2,00	2,00	49	24	1	1	
82439210210	3221910809447	2,10	2,10	49	24	1	1	
82439210220	3221910809454	2,20	2,20	53	27	1	1	
82439210230	3221910809461	2,30	2,30	53	27	1	1	
82439210240	3221910809478	2,40	2,40	57	30	1	1	
82439210250	3221910809485	2,50	2,50	57	30	1	1	
82439210260	3221910809492	2,60	2,60	57	30	1	1	
82439210270	3221910809508	2,70	2,70	61	33	1	1	
82439210280	3221910809515	2,80	2,80	61	33	1	1	
82439210290	3221910809522	2,90	2,90	61	33	1	1	
82439210300	3221910809539	3,00	3,00	61	33	1	1	
82439210310	3221910809546	3,10	3,10	65	36	1	1	
82439210320	3221910809553	3,20	3,20	65	36	1	1	
82439210330	3221910809560	3,30	3,30	65	36	1	1	
82439210340	3221910809577	3,40	3,40	70	39	1	1	
82439210350	3221910809584	3,50	3,50	70	39	1	1	
82439210360	3221910809591	3,60	3,60	70	39	1	1	
82439210370	3221910809607	3,70	3,70	70	39	1	1	
82439210380	3221910809614	3,80	3,80	75	43	1	1	
82439210390	3221910809621	3,90	3,90	75	43	1	1	
82439210400	3221910809638	4,00	4,00	75	43	1	1	
82439210410	3221910809645	4,10	4,10	75	43	1	1	
82439210420	3221910809652	4,20	4,20	75	43	1	1	
82439210430	3221910809669	4,30	4,30	80	47	1	1	
82439210440	3221910809676	4,40	4,40	80	47	1	1	
82439210450	3221910809683	4,50	4,50	80	47	1	1	
82439210460	3221910809690	4,60	4,60	80	47	1	1	
82439210470	3221910809706	4,70	4,70	80	47	1	1	
82439210480	3221910809713	4,80	4,80	86	52	1	1	
82439210490	3221910809720	4,90	4,90	86	52	1	1	
82439210500	3221910809737	5,00	5,00	86	52	1	1	
82439210510	3221910809744	5,10	5,10	86	52	1	1	
82439210520	3221910809751	5,20	5,20	86	52	1	1	
82439210530	3221910809768	5,30	5,30	86	52	1	1	
82439210540	3221910809775	5,40	5,40	93	57	1	1	
82439210550	3221910809782	5,50	5,50	93	57	1	1	
82439210560	3221910809799	5,60	5,60	93	57	1	1	
82439210570	3221910809805	5,70	5,70	93	57	1	1	
82439210580	3221910809812	5,80	5,80	93	57	1	1	
82439210590	3221910809829	5,90	5,90	93	57	1	1	
82439210600	3221910809836	6,00	6,00	93	57	1	1	



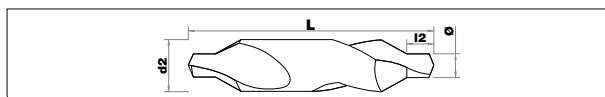
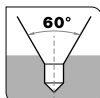
8243921	EAN	Ø	d2	L	I1	QTY PCB	€
82439210610	3221910809843	6,10	6,10	101	63	1 1	
82439210620	3221910809850	6,20	6,20	101	63	1 1	
82439210630	3221910809867	6,30	6,30	101	63	1 1	
82439210640	3221910809874	6,40	6,40	101	63	1 1	
82439210650	3221910809881	6,50	6,50	101	63	1 1	
82439210660	3221910809898	6,60	6,60	101	63	1 1	
82439210670	3221910809904	6,70	6,70	101	63	1 1	
82439210680	3221910809911	6,80	6,80	109	69	1 1	
82439210690	3221910809928	6,90	6,90	109	69	1 1	
82439210700	3221910809935	7,00	7,00	109	69	1 1	
82439210750	3221910809980	7,50	7,50	109	69	1 1	
82439210780	3221910810016	7,80	7,80	117	75	1 1	
82439210800	3221910810030	8,00	8,00	117	75	1 1	
82439210850	3221910810085	8,50	8,50	117	75	1 1	
82439210900	3221910810108	9,00	9,00	125	81	1 1	
82439210950	3221910810122	9,50	9,50	125	81	1 1	
82439211000	3221910810146	10,00	10,00	133	87	1 1	
82439211020	3221910810153	10,20	10,20	133	87	1 1	
82439211050	3221910810160	10,50	10,50	133	87	1 1	
82439211100	3221910810177	11,00	11,00	142	94	1 1	
82439211150	3221910810184	11,50	11,50	142	94	1 1	
82439211200	3221910810191	12,00	12,00	151	101	1 1	
82439211300	3221910810207	13,00	13,00	151	101	1 1	
82439211400	3221910810214	14,00	14,00	160	108	1 1	



**SOLID CARBIDE 60° CENTRE DRILL.**

**BROCAS DE CENTRAR METAL DURO 60°.**

**PUNTA IN MD A CENTRARE 60°.**



For centering.

Para centrar.

Per centrare.



Steels for heat treatment  
200-700N/mm<sup>2</sup>  
Aceros para tratamiento térmico  
200-700 N/mm<sup>2</sup>  
Acciai per trattamento termico  
200-700N/mm<sup>2</sup>



Steels for heat treatment  
700-1400N/mm<sup>2</sup>  
Aceros para tratamiento térmico  
700-1400 N/mm<sup>2</sup>  
Acciai per trattamento termico  
700-1400N/mm<sup>2</sup>



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Aceros inoxidables  
Acciai inossidabili



Cast iron  
Fundiciones  
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Leghe di alluminio



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Titanium  
Aleaciones refractarias Co / Ni  
y Titanio  
Leghe refrattarie Co / Ni i titanio



8241941	EAN	Ø	d2	L	I1	QTY PCB	€
8241941100315	3221910803889	3,15	1,00	30	2	1 1	
8241941160400	3221910803896	4,00	1,60	35	3	1 1	
8241941200500	3221910803902	5,00	2,00	40	3	1 1	
8241941250630	3221910803919	6,30	2,50	45	4	1 1	
8241941315800	3221910803926	8,00	3,15	50	5	1 1	
82419414001000	3221910803933	10,00	4,00	55	6	1 1	

