

Aplicación: Taladrados de profundidad media <3xd en blandos hasta 500 N/mm<sup>2</sup>.



- Especial aceros resistentes y fundiciones
- Taladrado rápido
- Uso polivalente

- Autocentrado de la punta
- mango cilíndrico.
- Hélice tipo N a 30°
- Acero rápido
- Punta de 118°

**Máquinas**



**Aplicaciones**



**Características**



**Propiedades y beneficios**

- + Afilado punta de cruz: disminución de la punta de la broca. ➡ Permite un fácil autocentrado de la broca en las superficies más lisas. Reduce significativamente la fuerza axial requerida.
- + mango cilíndrico: el diámetro del mango es igual al diámetro de la punta. ➡ Permite un uso versátil en máquinas electroportátiles y máquinas herramientas CNC.
- + Hélice tipo N de 30°: perfil de hélice normal con un ángulo de hélice de 30°. ➡ Adecuado para usos generales. Aporta una buena rigidez a la herramienta así como una excelente precisión de taladrado.
- + Acero rápido: sustrato HSS ➡ Para uso general en aceros de baja dureza
- + Punta de 118°: ángulo de punta de 118° del afilado de la broca. ➡ Apta para un uso general en materiales de virutas largas. Permite un ataque rápido del material y un fácil centrado.



Codigo	EAN	Ø	d2/CM	L	l	lu	QTY	PCB
11453010020	3221910850876	0.2	0.2	19	2.5	1	10	
11453010025	3221912002747	0.25	0.25	19	3	1	10	
11453010030	3221910850883	0.3	0.3	19	3	1	10	
11453010035	3221912002808	0.35	0.35	19	4	1	10	
11453010040	3221910850890	0.4	0.4	20	5	1	10	
11453010045	3221912002815	0.45	0.45	20	5	1	10	
11453010050	3221910850906	0.5	0.5	22	6	1	10	
11453010055	3221912002822	0.55	0.55	24	7	1	10	
11453010060	3221910850913	0.6	0.6	24	7	1	10	
11453010065	3221912002839	0.65	0.65	26	8	1	10	
11453010070	3221910850920	0.7	0.7	28	9	1	10	
11453010075	3221910850937	0.75	0.75	29	9	1	10	
11453010080	3221910850944	0.8	0.8	30	10	1	10	
11453010085	3221912002846	0.85	0.85	30	10	1	10	
11453010090	3221910850951	0.9	0.9	32	11	1	10	
11453010095	3221912002761	0.95	0.95	32	11	1	10	

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11453010100	3221910850968	1	1	34	12	1	10
11453010105	3221912002778	1.05	1.05	34	12	1	10
11453010110	3221910850975	1.1	1.1	36	14	1	10
11453010120	3221910850982	1.2	1.2	38	14	1	10
11453010125	3221910850999	1.25	1.25	38	16	1	10
11453010130	3221910851002	1.3	1.3	38	16	1	10
11453010140	3221910851019	1.4	1.4	40	18	1	10
11453010150	3221910851026	1.5	1.5	40	18	1	10
11453010160	3221910851033	1.6	1.6	43	20	1	10
11453010170	3221910851040	1.7	1.7	43	20	1	10
11453010175	3221910851057	1.75	1.75	46	22	1	10
11453010180	3221910851064	1.8	1.8	46	22	1	10
11453010190	3221910851071	1.9	1.9	46	22	1	10
11453010200	3221910851088	2	2	49	24	1	10
11453010210	3221910851095	2.1	2.1	49	24	1	10
11453010220	3221910851101	2.2	2.2	53	27	1	10
11453010225	3221910851118	2.25	2.25	53	27	1	10
11453010230	3221910851125	2.3	2.3	53	27	1	10
11453010240	3221910851132	2.4	2.4	57	30	1	10
11453010250	3221910851149	2.5	2.5	57	30	1	10
11453010260	3221910851156	2.6	2.6	57	30	1	10
11453010270	3221910851163	2.7	2.7	61	33	1	10
11453010275	3221910851170	2.75	2.75	61	33	1	10
11453010280	3221910851187	2.8	2.8	61	33	1	10
11453010290	3221910851194	2.9	2.9	61	33	1	10
11453010300	3221910851200	3	3	61	33	1	10
11453010310	3221910851217	3.1	3.1	65	36	1	10
11453010320	3221910851224	3.2	3.2	65	36	1	10
11453010325	3221910851231	3.25	3.25	65	36	1	10
11453010330	3221910851248	3.3	3.3	65	36	1	10
11453010340	3221910851255	3.4	3.4	70	39	1	10
11453010350	3221910851262	3.5	3.5	70	39	1	10
11453010360	3221910851279	3.6	3.6	70	39	1	10
11453010370	3221910851286	3.7	3.7	70	39	1	10
11453010375	3221910851293	3.75	3.75	70	39	1	10
11453010380	3221910851309	3.8	3.8	75	43	1	10
11453010390	3221910851316	3.9	3.9	75	43	1	10
11453010400	3221910851323	4	4	75	43	1	10
11453010410	3221910851330	4.1	4.1	75	43	1	10
11453010420	3221910851347	4.2	4.2	75	43	1	10
11453010425	3221910851354	4.25	4.25	75	43	1	10
11453010430	3221910851361	4.3	4.3	80	47	1	10
11453010440	3221910851378	4.4	4.4	80	47	1	10
11453010450	3221910851385	4.5	4.5	80	47	1	10
11453010460	3221910851392	4.6	4.6	80	47	1	10
11453010470	3221910851408	4.7	4.7	80	47	1	10
11453010475	3221910851415	4.75	4.75	80	47	1	10
11453010480	3221910851422	4.8	4.8	86	52	1	10
11453010490	3221910851439	4.9	4.9	86	52	1	10
11453010500	3221910851446	5	5	86	52	1	10
11453010510	3221910851453	5.1	5.1	86	52	1	10
11453010520	3221910851460	5.2	5.2	86	52	1	10
11453010525	3221910851477	5.25	5.25	86	52	1	10
11453010530	3221910851484	5.3	5.3	86	52	1	10
11453010540	3221910851491	5.4	5.4	93	57	1	10
11453010550	3221910851507	5.5	5.5	93	57	1	10
11453010560	3221910851514	5.6	5.6	93	57	1	10
11453010570	3221910851521	5.7	5.7	93	57	1	10
11453010575	3221910851538	5.75	5.75	93	57	1	10
11453010580	3221910851545	5.8	5.8	93	57	1	10
11453010590	3221910851552	5.9	5.9	93	57	1	10
11453010600	3221910851569	6	6	93	57	1	10
11453010610	3221910851576	6.1	6.1	101	63	1	10
11453010620	3221910851583	6.2	6.2	101	63	1	10
11453010625	3221910851590	6.25	6.25	101	63	1	10

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11453010630	3221910851606	6.3	6.3	101	63	1	10
11453010640	3221910851613	6.4	6.4	101	63	1	10
11453010650	3221910851620	6.5	6.5	101	63	1	10
11453010660	3221910851637	6.6	6.6	101	63	1	10
11453010670	3221910851644	6.7	6.7	101	63	1	10
11453010675	3221910851651	6.75	6.75	109	69	1	10
11453010680	3221910851668	6.8	6.8	109	69	1	10
11453010690	3221910851675	6.9	6.9	109	69	1	10
11453010700	3221910851682	7	7	109	69	1	10
11453010710	3221910851699	7.1	7.1	109	69	1	10
11453010720	3221910851705	7.2	7.2	109	69	1	10
11453010725	3221910851712	7.25	7.25	109	69	1	10
11453010730	3221910851729	7.3	7.3	109	69	1	10
11453010740	3221910851736	7.4	7.4	109	69	1	10
11453010750	3221910851743	7.5	7.5	109	69	1	10
11453010760	3221910851750	7.6	7.6	117	75	1	10
11453010770	3221910851767	7.7	7.7	117	75	1	10
11453010775	3221910851774	7.75	7.75	117	75	1	10
11453010780	3221910851781	7.8	7.8	117	75	1	10
11453010790	3221910851798	7.9	7.9	117	75	1	10
11453010800	3221910851804	8	8	117	75	1	10
11453010810	3221910851811	8.1	8.1	117	75	1	5
11453010820	3221910851828	8.2	8.2	117	75	1	5
11453010825	3221910851835	8.25	8.25	117	75	1	5
11453010830	3221910851842	8.3	8.3	117	75	1	5
11453010840	3221910851859	8.4	8.4	117	75	1	5
11453010850	3221910851866	8.5	8.5	117	75	1	5
11453010860	3221910851873	8.6	8.6	125	81	1	5
11453010870	3221910851880	8.7	8.7	125	81	1	5
11453010875	3221910851897	8.75	8.75	125	81	1	5
11453010880	3221910851903	8.8	8.8	125	81	1	5
11453010890	3221910851910	8.9	8.9	125	81	1	5
11453010900	3221910851927	9	9	125	81	1	5
11453010910	3221910851934	9.1	9.1	125	81	1	5
11453010920	3221910851941	9.2	9.2	125	81	1	5
11453010925	3221910851958	9.25	9.25	125	81	1	5
11453010930	3221910851965	9.3	9.3	125	81	1	5
11453010940	3221910851972	9.4	9.4	125	81	1	5
11453010950	3221910851989	9.5	9.5	125	81	1	5
11453010960	3221910851996	9.6	9.6	133	87	1	5
11453010970	3221910852009	9.7	9.7	133	87	1	5
11453010975	3221910852016	9.75	9.75	133	87	1	5
11453010980	3221910852023	9.8	9.8	133	87	1	5
11453010990	3221910852030	9.9	9.9	133	87	1	5
11453011000	3221910852047	10	10	133	87	1	5
11453011010	3221910852054	10.1	10.1	133	87	1	5
11453011020	3221910852061	10.2	10.2	133	87	1	5
11453011025	3221910852078	10.25	10.25	133	87	1	5
11453011030	3221910852085	10.3	10.3	133	87	1	5
11453011040	3221910852092	10.4	10.4	133	87	1	5
11453011050	3221910852108	10.5	10.5	133	87	1	5
11453011060	3221910852115	10.6	10.6	133	87	1	5
11453011070	3221910852122	10.7	10.7	142	94	1	5
11453011075	3221910852139	10.75	10.75	142	94	1	5
11453011080	3221910852146	10.8	10.8	142	94	1	5
11453011090	3221910852153	10.9	10.9	142	94	1	5
11453011100	3221910852160	11	11	142	94	1	5
11453011110	3221910852177	11.1	11.1	142	94	1	5
11453011120	3221910852184	11.2	11.2	142	94	1	5
11453011125	3221910852191	11.25	11.25	142	94	1	5
11453011130	3221910852207	11.3	11.3	142	94	1	5
11453011140	3221910852214	11.4	11.4	142	94	1	5
11453011150	3221910852221	11.5	11.5	142	94	1	5
11453011160	3221910852238	11.6	11.6	142	94	1	5
11453011170	3221910852245	11.7	11.7	142	94	1	5

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11453011175	3221910852252	11.75	11.75	142	94	1	5
11453011180	3221910852269	11.8	11.8	151	101	1	5
11453011190	3221910852276	11.9	11.9	151	101	1	5
11453011200	3221910852283	12	12	151	101	1	5
11453011210	3221910852290	12.1	12.1	151	101	1	5
11453011220	3221910852306	12.2	12.2	151	101	1	5
11453011225	3221910852313	12.25	12.25	151	101	1	5
11453011230	3221910852320	12.3	12.3	151	101	1	5
11453011240	3221910852337	12.4	12.4	151	101	1	5
11453011250	3221910852344	12.5	12.5	151	101	1	5
11453011260	3221910852351	12.6	12.6	151	101	1	5
11453011270	3221910852368	12.7	12.7	151	101	1	5
11453011275	3221910852375	12.75	12.75	151	101	1	5
11453011280	3221910852382	12.8	12.8	151	101	1	5
11453011290	3221910852399	12.9	12.9	151	101	1	5
11453011300	3221910852405	13	13	151	101	1	5
11453011350	3221910852962	13.5	12	160	108	1	1
11453011400	3221910852979	14	12	160	108	1	1
11453011450	3221910852986	14.5	12	169	114	1	1
11453011500	3221910852993	15	12	169	114	1	1
11453011550	3221910853006	15.5	12	178	120	1	1
11453011600	3221910853013	16	12	178	120	1	1
11453011650	3221910853020	16.5	12	184	125	1	1
11453011700	3221910853037	17	12	184	125	1	1
11453011750	3221910853044	17.5	12	191	130	1	1
11453011800	3221910853051	18	12	191	130	1	1
11453011850	3221910853068	18.5	12	198	135	1	1
11453011900	3221910853075	19	12	198	135	1	1
11453011950	3221910853082	19.5	12	205	140	1	1
11453012000	3221910853099	20	12	205	140	1	1
11453012100	3221910853105	21	12	205	145	1	1
11453012200	3221910853112	22	12	210	150	1	1
11453012300	3221910853129	23	12	210	150	1	1
11453012400	3221910853136	24	12	220	160	1	1
11453012500	3221910853143	25	12	220	160	1	1