

High performance drill for machine drilling of Titanium alloys. Enlargement done in manual drilling. Made in France.



- **Made in France**
- **High-speed steel**
- **Precise drilling**

- **3-lip sharpening**
- **Cylindrical shank**
- **118° tip**

Machine



Application



Features



Properties and benefits

- + 3-lip cutting: central cut with three cutting edges → High quality surface condition and circularity of the hole. Extremely robust, preferably for materials with short shavings.
- + Cylindrical shank: the diameter of the shank is equal to the diameter of the tip. → Enables versatile use on portable electrical tools and CNC machine tools.
- + 118° tip: 118° tip angle for the sharpening of the drill bit. → Suitable for general use in materials with long shavings. Enables the rapid attack of the material and simple centring.



Code	EAN	Ø	d2/CM	L	I	lu	QTY	PCB
81491010250	3221910891282	2.5	2.5	57	30	30	10	10
81491010260	3221910891299	2.6	2.6	57	30	30	10	10
81491010270	3221910891305	2.7	2.7	61	33	33	10	10
81491010275	3221910891312	2.75	2.75	61	33	33	10	10
81491010277	3221910891329	2.77	2.77	61	33	33	10	10
81491010280	3221910891336	2.8	2.8	61	33	33	10	10
81491010290	3221910891343	2.9	2.9	61	33	33	10	10
81491010300	3221910891350	3	3	61	33	33	10	10
81491010310	3221910891367	3.1	3.1	65	36	36	10	10
81491010317	3221910891374	3.175	3.175	65	36	36	10	10
81491010320	3221910891381	3.2	3.2	65	36	36	10	10
81491010325	3221910891398	3.25	3.25	65	36	36	10	10
81491010330	3221910891404	3.3	3.3	65	36	36	10	10
81491010340	3221910891411	3.4	3.4	70	39	39	10	10
81491010350	3221910891428	3.5	3.5	70	39	39	10	10
81491010357	3221910891435	3.572	3.572	70	39	39	10	10
81491010360	3221910891442	3.6	3.6	70	39	39	10	10
81491010370	3221910891459	3.7	3.7	70	39	39	10	10
81491010375	3221910891466	3.75	3.75	70	39	39	10	10
81491010380	3221910891473	3.8	3.8	75	43	43	10	10

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81491010390	3221910891480	3.9	3.9	75	43	43	10	10
81491010396	3221910891497	3.969	3.969	75	43	43	10	10
81491010400	3221910891503	4	4	75	43	43	10	10
81491010410	3221910891510	4.1	4.1	75	43	43	10	10
81491010420	3221910891527	4.2	4.2	75	43	43	10	10
81491010425	3221910891534	4.25	4.25	75	43	43	10	10
81491010430	3221910891541	4.3	4.3	80	47	47	10	10
81491010436	3221910891558	4.366	4.366	80	47	47	10	10
81491010440	3221910891565	4.4	4.4	80	47	47	10	10
81491010450	3221910891572	4.5	4.5	80	47	47	10	10
81491010460	3221910891589	4.6	4.6	80	47	47	10	10
81491010470	3221910891596	4.7	4.7	80	47	47	10	10
81491010475	3221910891602	4.75	4.75	80	47	47	10	10
81491010476	3221910891619	4.762	4.762	86	52	52	10	10
81491010480	3221910891626	4.8	4.8	86	52	52	10	10
81491010490	3221910891633	4.9	4.9	86	52	52	10	10
81491010500	3221910891640	5	5	86	52	52	10	10
81491010510	3221910891657	5.1	5.1	86	52	52	10	10
81491010515	3221910891664	5.159	5.159	86	52	52	10	10
81491010520	3221910891671	5.2	5.2	86	52	52	10	10
81491010525	3221910891688	5.25	5.25	86	52	52	10	10
81491010530	3221910891695	5.3	5.3	86	52	52	10	10
81491010540	3221910891701	5.4	5.4	93	57	57	10	10
81491010550	3221910891718	5.5	5.5	93	57	57	10	10
81491010555	3221910891725	5.556	5.556	93	57	57	10	10
81491010560	3221910891732	5.6	5.6	93	57	57	10	10
81491010570	3221910891749	5.7	5.7	93	57	57	10	10
81491010575	3221910891756	5.75	5.75	93	57	57	10	10
81491010580	3221910891763	5.8	5.8	93	57	57	10	10
81491010590	3221910891770	5.9	5.9	93	57	57	10	10
81491010595	3221910891787	5.953	5.953	93	57	57	10	10
81491010600	3221910891794	6	6	93	57	57	10	10
81491010610	3221910891800	6.1	6.1	101	63	63	10	10
81491010620	3221910891817	6.2	6.2	101	63	63	10	10
81491010625	3221910891824	6.25	6.25	101	63	63	10	10
81491010630	3221910891831	6.3	6.3	101	63	63	10	10
81491010635	3221910891848	6.35	6.35	101	63	63	10	10
81491010640	3221910891855	6.4	6.4	101	63	63	10	10
81491010650	3221910891862	6.5	6.5	101	63	63	10	10
81491010660	3221910891879	6.6	6.6	101	63	63	10	10
81491010670	3221910891886	6.7	6.7	101	63	63	10	10
81491010674	3221910891893	6.747	6.747	109	69	69	10	10
81491010675	3221910891909	6.75	6.75	109	69	69	10	10
81491010680	3221910891916	6.8	6.8	109	69	69	10	10
81491010690	3221910891923	6.9	6.9	109	69	69	10	10
81491010700	3221910891930	7	7	109	69	69	10	10
81491010710	3221910891947	7.1	7.1	109	69	69	10	10
81491010714	3221910891954	7.144	7.144	109	69	69	10	10
81491010720	3221910891961	7.2	7.2	109	69	69	10	10
81491010725	3221910891978	7.25	7.25	109	69	69	10	10
81491010730	3221910891985	7.3	7.3	109	69	69	10	10
81491010740	3221910891992	7.4	7.4	109	69	69	10	10
81491010750	3221910892005	7.5	7.5	109	69	69	10	10
81491010754	3221910892012	7.541	7.541	117	75	75	10	10
81491010760	3221910892029	7.6	7.6	117	75	75	10	10
81491010770	3221910892036	7.7	7.7	117	75	75	10	10
81491010775	3221910892043	7.75	7.75	117	75	75	10	10
81491010780	3221910892050	7.8	7.8	117	75	75	10	10
81491010790	3221910892067	7.9	7.9	117	75	75	10	10
81491010793	3221910892074	7.938	7.938	117	75	75	10	10
81491010800	3221910892081	8	8	117	75	75	5	10
81491010810	3221910892098	8.1	8.1	117	75	75	5	5
81491010820	3221910892104	8.2	8.2	117	75	75	5	5
81491010825	3221910892111	8.25	8.25	117	75	75	5	5
81491010830	3221910892128	8.3	8.3	117	75	75	5	5

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81491010833	3221910892135	8.334	8.334	117	75	75	5	5
81491010840	3221910892142	8.4	8.4	117	75	75	5	5
81491010850	3221910892159	8.5	8.5	117	75	75	5	5
81491010860	3221910892166	8.6	8.6	125	81	81	5	5
81491010870	3221910892173	8.7	8.7	125	81	81	5	5
81491010873	3221910892180	8.731	8.731	125	81	81	5	5
81491010875	3221910892197	8.75	8.75	125	81	81	5	5
81491010880	3221910892203	8.8	8.8	125	81	81	5	5
81491010890	3221910892210	8.9	8.9	125	81	81	5	5
81491010900	3221910892227	9	9	125	81	81	5	5
81491010910	3221910892234	9.1	9.1	125	81	81	5	5
81491010912	3221910892241	9.128	9.128	125	81	81	5	5
81491010920	3221910892258	9.2	9.2	125	81	81	5	5
81491010925	3221910892265	9.25	9.25	125	81	81	5	5
81491010930	3221910892272	9.3	9.3	125	81	81	5	5
81491010940	3221910892289	9.4	9.4	125	81	81	5	5
81491010950	3221910892296	9.5	9.5	125	81	81	5	5
81491010952	3221910892302	9.525	9.525	133	87	87	5	5
81491010960	3221910892319	9.6	9.6	133	87	87	5	5
81491010970	3221910892326	9.7	9.7	133	87	87	5	5
81491010975	3221910892333	9.75	9.75	133	87	87	5	5
81491010980	3221910892340	9.8	9.8	133	87	87	5	5
81491010990	3221910892357	9.9	9.9	133	87	87	5	5
81491010992	3221910892364	9.922	9.922	133	87	87	5	5
81491011000	3221910892371	10	10	133	87	87	5	5