DIXI polytool

THE RIGHT CHOICE FOR HIGH DEMANDING DRILLING JOBS

DIXI 1137-5D
DIXI 1137-8D

From Ø 0.15mm to Ø 6.00mm from stock

DIXI 1137
DIXI 1137 DRYCUT
DIXI 1137 C-TOP

New generation of drills

DIXI Polytool once again demonstrates its ambition to provide its customers with innovative and reliable machining solutions.

The DIXI 1137 drill is the result of several years' research. Initially developed for machining lead-free brass, this tool has proved its worth in other materials such as stainless steels, copper alloys and titanium.

It is now a highly versatile tool that can be used by a wide range of users in all kinds of sectors, including watchmaking, the medical industry and connectors.

1'360 items in stock

From Ø0.15 mm to Ø6 mm, uncoated or with DRYCUT coating or the more versatile C-TOP, you're sure to find the one you need!

Thanks to its low coefficient of friction, DRYCUT coating improves chip evacuation and increases tool life in non-ferrous materials.

If you choose a new-generation C-TOP coating, not only will the tool life of drills in ferrous materials be significantly increased, but its high resistance to wear at high temperatures and to abrasion will make it a high-performance tool.

Two cutting lengths (5 and 8 times the diameter).

To cover most requirements, the DIXI 1137 drill is available in two different cutting lengths.

- For short drillings, the DIXI 1137-5D version is an excellent compromise between rigidity and versatility.
- For longer bores, the DIXI 1137-8D version completes the range, combining performance and quality.
- For optimum machining process safety, deburring cycles are recommended to ensure proper chip evacuation and lubrication of the tool tip.

DIXI 1137: a versatile tool available from stock in 0.01 mm increments from Ø0.15 mm to Ø2 mm and in 0.10 mm increments from Ø2 mm to Ø6 mm

Ferrous materials

P M K

DIXI 1137 & DIXI 1137 C-TOP

Stainless steel

Tool : DIXI 1137-5D Ø1.65 C-TOP
Material : 316L
Depth : 6 mm
Pecking every 0.5 mm
Vc = 45 m/min
Vf = 173 mm/min
Lubrication : Cutting oil
Machine : STAR SR10

Conclusion :

Twice the tool life, less tool breakage and greater machining reliability.

High-alloy steel

Tool : DIXI 1137-5D Ø0.40 C-TOP
Material : DURNICO
Depth : 6 mm
Pecking every 0.2 mm
Vc = 44 m/min
Vf = 150 mm/min
Lubrication : Cutting oil
Machine : 3-axis machining center

Conclusion :

Better chip evacuation, improved machining process reliability.

Non-ferrous materials

N S

DIXI 1137 & DIXI 1137 DRYCUT

Lead-free brass

Tool : DIXI 1137-5D L Ø2.00 DRYCUT
Material : CuZn40
Depth : 5.7 mm
Pecking every 1.3 mm
Vc = 56 m/min
Vf = 890 mm/min
Fixed tool / Rotating bar 8'925 rpm
Lubrication : Cutting oil
Machine : Tornos MS7 cam machine

Conclusion :

Good chip evacuation,
Measured Ra = 0.26
300,000 parts before burrs appear.

Hard copper alloys with difficult machinability

Tool : DIXI 1137-5D Ø0.80 DRYCUT
Material : CuNi18Sn8 (400HV)
Depth : 2 mm
Vc = 40 m/min
Vf = 480 mm/min
Lubrication : Cutting oil
Machine : 3-axis machining center

Conclusion :

Low cutting forces, burr-free hole exit, excellent wear resistance.

TECHNICAL ADVANTAGES

CUTTING GEOMETRY

Core thinning from Ø0.5 mm

- Higher precision (position)
- Reduced cutting forces

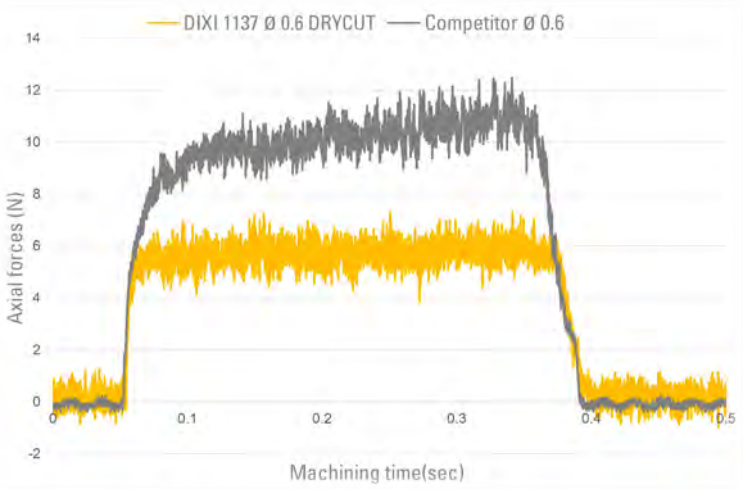
140° point angle

- Minimum burr at hole exit

Polished flutes

- Better chip evacuation

CUTTING FORCES REDUCTION



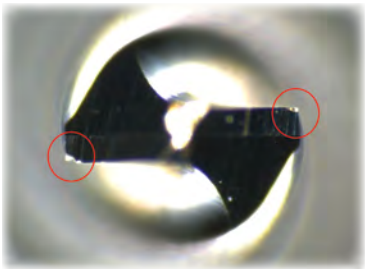
Material : Lead-free brass
Type : CuZn42 (hardness 170HV)
Tool : DIXI 1137-5D Ø0.6 DRYCUT
n = 20'000 (Vc = 38 m/min)
Vf = 400 mm/min (f = 0.02 mm/rev)
Lubrication : Microlubrication
Machine : 3-axis machining center

Conclusion :
Under the same conditions, the DIXI 1137 drill reduces cutting forces by over 30%.

WEAR RESISTANCE

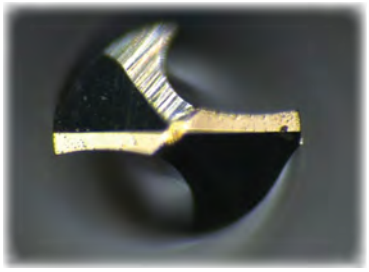
Material : Lead-free brass
Type : CuZn37 (hardness 170HV)
Tool : DIXI 1137-5D Ø0.8 DRYCUT
n = 20'000 (Vc = 50 m/min)
Vf = 400 mm/min (f = 0.02 mm/rev)
Lubrication : Microlubrication
Machine : 3-axis machining center

Conventional drill bit
after 10 holes



Marked wear
Material sticking to the
center of the tool

DIXI 1137 DRYCUT
after 900 holes



No wear

Hole exit burrs

No burrs

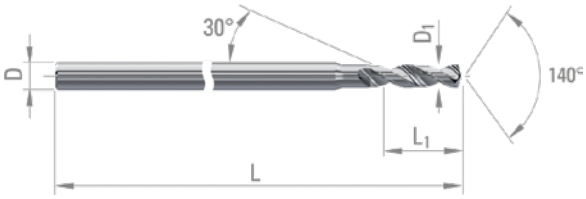
COATING RECOMMENDATIONS

		UNCOATED	C-TOP COATING	DRYCUT COATING
NON FERROUS	Cutting oil	✓	✗	✓
	Emulsion / micro micropulverization	✗	✗	✓
FERROUS	Cutting oil	✓	✓	✗
	Emulsion	✓	✓	✗

DIXI 1137-5D

Z = 2

TWIST DRILLS
REINFORCED SHANK



$D_1 \geq 0.5$

- Self-centering twist drills with reinforced shank , 5xD_1 cutting length, developed for the drilling of lead-free brass and high tech materials.
- C-TOP coating improves tool life in difficult to machine materials.
- DRYCUT coating improves tool life in non-ferrous materials.

◯ good ◎ excellent

ISO	P													M				K					
Materials description	Unalloyed steel					Low alloyed steel				High alloyed steel		Martensitic stainless steel		Austenitic stainless steel (DUPLEX/PH)				Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	14.4	15	16	17	18	19	20
Recommendations	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◯	◯	◯	◯

ISO	N												S					H			
Materials description	Wrought aluminium alloy		Cast aluminium alloy			Cu + Pb alloy	Cu alloy difficult		Gold, Silver	Graphite	Plastic	Wood	Special alloy Ni / Co			Titanium, titanium alloy		Hardened steel		Hard cast iron	
VDI 3323	21	22	23	24	25	26	27	28	-	-	29	30	31	32	33-35	36	37	38	39	40	41
Recommendations	◎	◎	◎	◎	◎	◎	◎	◎	◎				◎	◎	◯	◎	◎				

$D_{1\ 0/-0.004}$	L_1	D_{h5}	L	CARBIDE	C-TOP	DRYCUT*
0.15	0.80	1.00	30	377730	416324	378235
0.16	0.80	1.00	30	377731	416325	378236
0.17	0.90	1.00	30	377732	416326	378237
0.18	0.90	1.00	30	377733	416327	378238
0.19	1.00	1.00	30	377734	416328	378239
0.20	1.00	1.00	30	377735	416329	378240
0.21	1.10	1.00	30	377736	416330	378241
0.22	1.10	1.00	30	377737	416331	378242
0.23	1.20	1.00	30	377738	416332	378243
0.24	1.20	1.00	30	377739	416333	378244
0.25	1.30	1.00	30	377740	416334	378245
0.26	1.30	1.00	30	377741	416335	378246
0.27	1.40	1.00	30	377742	416336	378247
0.28	1.40	1.00	30	377743	416337	378248
0.29	1.50	1.00	30	377744	416338	378249
0.30	1.50	1.00	30	377745	416339	378250
0.31	1.60	1.00	30	377746	416340	378251
0.32	1.60	1.00	30	377747	416341	378252
0.33	1.70	1.00	30	377748	416342	378253
0.34	1.70	1.00	30	377749	416343	378254
0.35	1.80	1.00	30	377750	416344	378255
0.36	1.80	1.00	30	377751	416345	378256
0.37	1.90	1.00	30	377752	416346	378257
0.38	1.90	1.00	30	377753	416347	378258
0.39	2.00	1.00	30	377754	416348	378259
0.40	2.00	1.00	30	377755	416349	378260
0.41	2.10	1.00	30	377756	416350	378261
0.42	2.10	1.00	30	377757	416351	378262
0.43	2.20	1.00	30	377758	416352	378263
0.44	2.20	1.00	30	377759	416353	378264
0.45	2.30	1.00	30	377760	416354	378265

$D_{1\ 0/-0.004}$	L_1	D_{h5}	L	CARBIDE	C-TOP	DRYCUT*
0.46	2.30	1.00	30	377761	416355	378266
0.47	2.40	1.00	30	377762	416356	378267
0.48	2.40	1.00	30	377763	416357	378268
0.49	2.50	1.00	30	377764	416358	378269
0.50	2.50	1.00	30	377765	416359	378270
0.51	2.60	1.00	30	377766	416360	378271
0.52	2.60	1.00	30	377767	416361	378272
0.53	2.70	1.00	30	377768	416362	378273
0.54	2.70	1.00	30	377769	416363	378274
0.55	2.80	1.00	30	377770	416364	378275
0.56	2.80	1.00	30	377771	416365	378276
0.57	2.90	1.00	30	377772	416366	378277
0.58	2.90	1.00	30	377773	416367	378278
0.59	3.00	1.00	30	377774	416368	378279
0.60	3.00	1.00	30	377775	416369	378280
0.61	3.10	1.00	30	377776	416370	378281
0.62	3.10	1.00	30	377777	416371	378282
0.63	3.20	1.00	30	377778	416372	378283
0.64	3.20	1.00	30	377779	416373	378284
0.65	3.30	1.00	30	377780	416374	378285
0.66	3.30	1.00	30	377781	416375	378286
0.67	3.40	1.00	30	377782	416376	378287
0.68	3.40	1.00	30	377783	416377	378288
0.69	3.50	1.00	30	377784	416378	378289
0.70	3.50	1.00	30	377785	416379	378290
0.71	3.60	1.00	30	377786	416380	378291
0.72	3.60	1.00	30	377787	416381	378292
0.73	3.70	1.00	30	377788	416382	378293
0.74	3.70	1.00	30	377789	416383	378294
0.75	3.80	1.00	30	377790	416384	378295

* for non-ferrous material

$D_{1\ 0/-0.004}$	L_1	D_{h5}	L	CARBIDE	C-TOP	DRYCUT*
0.76	3.80	1.00	30	377791	416385	378296
0.77	3.90	1.00	30	377792	416386	378297
0.78	3.90	1.00	30	377793	416387	378298
0.79	4.00	1.00	30	377794	416388	378299
0.80	4.00	1.50	30	377795	416389	378300
0.81	4.10	1.50	30	377796	416390	378301
0.82	4.10	1.50	30	377797	416391	378302
0.83	4.20	1.50	30	377798	416392	378303
0.84	4.20	1.50	30	377799	416393	378304
0.85	4.30	1.50	30	377800	416394	378305
0.86	4.30	1.50	30	377801	416395	378306
0.87	4.40	1.50	30	377802	416396	378307
0.88	4.40	1.50	30	377803	416397	378308
0.89	4.50	1.50	30	377804	416398	378309
0.90	4.50	1.50	30	377805	416399	378310
0.91	4.60	1.50	30	377806	416400	378311
0.92	4.60	1.50	30	377807	416401	378312
0.93	4.70	1.50	30	377808	416402	378313
0.94	4.70	1.50	30	377809	416403	378314
0.95	4.80	1.50	30	377810	416404	378315
0.96	4.80	1.50	30	377811	416405	378316
0.97	4.90	1.50	30	377812	416406	378317
0.98	4.90	1.50	30	377813	416407	378318
0.99	5.00	1.50	30	377814	416408	378319
1.00	5.00	1.50	30	377815	416409	378320
1.01	5.10	1.50	30	422878	423038	423198
1.02	5.10	1.50	30	422879	423039	423199
1.03	5.20	1.50	30	422880	423040	423200
1.04	5.20	1.50	30	422881	423041	423201
1.05	5.30	1.50	30	377816	416410	378321
1.06	5.30	1.50	30	422882	423042	423202
1.07	5.40	1.50	30	422883	423043	423203
1.08	5.40	1.50	30	422884	423044	423204
1.09	5.50	1.50	30	422885	423045	423205
1.10	5.50	1.50	30	377817	416411	378322
1.11	5.60	1.50	30	422886	423046	423206
1.12	5.60	1.50	30	422887	423047	423207
1.13	5.70	1.50	30	422888	423048	423208
1.14	5.70	1.50	30	422889	423049	423209
1.15	5.80	1.50	30	377818	416412	378323
1.16	5.80	1.50	30	422890	423050	423210
1.17	5.90	1.50	30	422891	423051	423211
1.18	5.90	1.50	30	422892	423052	423212
1.19	6.00	1.50	30	422893	423053	423213
1.20	6.00	1.50	30	377819	416413	378324
1.21	6.10	1.50	30	422894	423054	423214
1.22	6.10	1.50	30	422895	423055	423215
1.23	6.20	1.50	30	422896	423056	423216
1.24	6.20	1.50	30	422897	423057	423217
1.25	6.30	1.50	30	377820	416414	378325
1.26	6.30	1.50	30	422898	423058	423218
1.27	6.40	1.50	30	422899	423059	423219
1.28	6.40	1.50	30	422900	423060	423220
1.29	6.50	1.50	30	422901	423061	423221
1.30	6.50	1.50	30	377821	416415	378326
1.31	6.60	1.50	30	422902	423062	423222
1.32	6.60	1.50	30	422903	423063	423223
1.33	6.70	1.50	30	422904	423064	423224
1.34	6.70	1.50	30	422905	423065	423225
1.35	6.80	1.50	30	377822	416416	378327
1.36	6.80	1.50	30	422906	423066	423226
1.37	6.90	1.50	30	422907	423067	423227
1.38	6.90	1.50	30	422908	423068	423228
1.39	7.00	1.50	30	422909	423069	423229
1.40	7.00	1.50	30	377823	416417	378328
1.41	7.10	1.50	30	422910	423070	423230
1.42	7.10	1.50	30	422911	423071	423231
1.43	7.20	1.50	30	422912	423072	423232
1.44	7.20	1.50	30	422913	423073	423233
1.45	7.30	1.50	30	377824	416418	378329
1.46	7.30	1.50	30	422914	423074	423234
1.47	7.40	1.50	30	422915	423075	423235
1.48	7.40	1.50	30	422916	423076	423236
1.49	7.50	1.50	30	422917	423077	423237
1.50	7.50	2.00	32	377825	416419	378330
1.51	7.60	2.00	32	422918	423078	423238
1.52	7.60	2.00	32	422919	423079	423239
1.53	7.70	2.00	32	422920	423080	423240
1.54	7.70	2.00	32	422921	423081	423241
1.55	7.80	2.00	32	377826	416420	378331
1.56	7.80	2.00	32	422922	423082	423242
1.57	7.90	2.00	32	422923	423083	423243
1.58	7.90	2.00	32	422924	423084	423244
1.59	8.00	2.00	32	422925	423085	423245
1.60	8.00	2.00	32	377827	416421	378332
1.61	8.10	2.00	32	422926	423086	423246
1.62	8.10	2.00	32	422927	423087	423247
1.63	8.20	2.00	32	422928	423088	423248
1.64	8.20	2.00	32	422929	423089	423249
1.65	8.30	2.00	32	377828	416422	378333
1.66	8.30	2.00	32	422930	423090	423250
1.67	8.40	2.00	32	422931	423091	423251
1.68	8.40	2.00	32	422932	423092	423252
1.69	8.50	2.00	32	422933	423093	423253
1.70	8.50	2.00	32	377829	416423	378334
1.71	8.60	2.00	32	422934	423094	423254
1.72	8.60	2.00	32	422935	423095	423255
1.73	8.70	2.00	32	422936	423096	423256
1.74	8.70	2.00	32	422937	423097	423257
1.75	8.80	2.00	32	377830	416424	378335
1.76	8.80	2.00	32	422938	423098	423258
1.77	8.90	2.00	32	422939	423099	423259
1.78	8.90	2.00	32	422940	423100	423260
1.79	9.00	2.00	32	422941	423101	423261

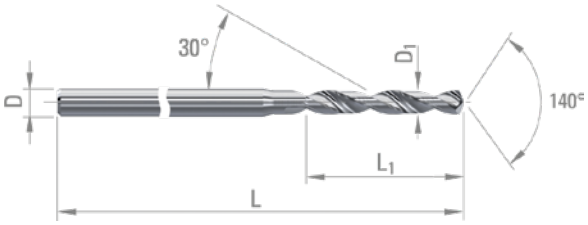
* for non-ferrous material

$D_{1\ 0/-0.004}$	L_1	D_{h5}	L	CARBIDE	C-TOP	DRYCUT*
1.80	9.00	2.00	32	377831	416425	378336
1.81	9.10	2.00	32	422942	423102	423262
1.82	9.10	2.00	32	422943	423103	423263
1.83	9.20	2.00	32	422944	423104	423264
1.84	9.20	2.00	32	422945	423105	423265
1.85	9.30	2.00	32	377832	416426	378337
1.86	9.30	2.00	32	422946	423106	423266
1.87	9.40	2.00	32	422947	423107	423267
1.88	9.40	2.00	32	422948	423108	423268
1.89	9.50	2.00	32	422949	423109	423269
1.90	9.50	2.00	32	377833	416427	378338
1.91	9.60	2.00	32	422950	423110	423270
1.92	9.60	2.00	32	422951	423111	423271
1.93	9.70	2.00	32	422952	423112	423272
1.94	9.70	2.00	32	422953	423113	423273
1.95	9.80	2.00	32	377834	416428	378339
1.96	9.80	2.00	32	422954	423114	423274
1.97	9.90	2.00	32	422955	423115	423275
1.98	9.90	2.00	32	422956	423116	423276
1.99	10.00	2.00	32	422957	423117	423277
2.00	10.00	3.00	38	377835	416429	378340
2.10	10.50	3.00	38	377836	416430	378341
2.20	11.00	3.00	38	377837	416431	378342
2.30	11.50	3.00	38	377838	416432	378343
2.40	12.00	3.00	38	377839	416433	378344
2.50	12.50	3.00	38	377840	416434	378345
2.60	13.00	3.00	38	377841	416435	378346
2.70	13.50	3.00	38	377842	416436	378347
2.80	14.00	3.00	38	377843	416437	378348
2.90	14.50	3.00	38	377844	416438	378349
3.00	15.00	3.00	38	377845	416439	378350
3.10	16.00	4.00	60	415972	416440	416148
3.20	16.00	4.00	60	415973	416441	416149
3.30	17.00	4.00	60	415974	416442	416150
3.40	17.00	4.00	60	415975	416443	416151
3.50	18.00	4.00	60	415976	416444	416152
3.60	18.00	4.00	60	415977	416445	416153
3.70	19.00	4.00	60	415978	416446	416154
3.80	19.00	4.00	60	415979	416447	416155
3.90	20.00	4.00	60	415980	416448	416156
4.00	20.00	4.00	60	415981	416449	416157
4.10	21.00	6.00	75	415982	416450	416158
4.20	21.00	6.00	75	415983	416451	416159
4.30	22.00	6.00	75	415984	416452	416160
4.40	22.00	6.00	75	415985	416453	416161
4.50	23.00	6.00	75	415986	416454	416162
4.60	23.00	6.00	75	415987	416455	416163
4.70	24.00	6.00	75	415988	416456	416164
4.80	24.00	6.00	75	415989	416457	416165
4.90	25.00	6.00	75	415990	416458	416166
5.00	25.00	6.00	75	415991	416459	416167
5.10	26.00	6.00	75	415992	416460	416168
5.20	26.00	6.00	75	415993	416461	416169
5.30	27.00	6.00	75	415994	416462	416170
5.40	27.00	6.00	75	415995	416463	416171
5.50	28.00	6.00	75	415996	416464	416172
5.60	28.00	6.00	75	415997	416465	416173
5.70	29.00	6.00	75	415998	416466	416174
5.80	29.00	6.00	75	415999	416467	416175
5.90	30.00	6.00	75	416000	416468	416176
6.00	30.00	6.00	75	416001	416469	416177

* for non-ferrous material

DIXI 1137-8D

TWIST DRILLS
REINFORCED SHANK



$D_1 \geq 0.5$

- Self-centering twist drills with reinforced shank , 8xD_1 cutting length, developed for the drilling of lead-free brass and high tech materials.
- C-TOP coating improves tool life in difficult to machine materials.
- DRYCUT coating improves tool life in non-ferrous materials.

◯ good ◎ excellent

ISO	P													M				K					
Materials description	Unalloyed steel					Low alloyed steel				High alloyed steel		Martensitic stainless steel		Austenitic stainless steel (DUPLEX/PH)				Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	14.4	15	16	17	18	19	20
Recommendations	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	○	○	○	○

ISO	N												S					H			
Materials description	Wrought aluminium alloy		Cast aluminium alloy			Cu + Pb alloy	Cu alloy difficult		Gold, Silver	Graphite		Plastic	Wood	Special alloy Ni / Co			Titanium, titanium alloy		Hardened steel		Hard cast iron	
VDI 3323	21	22	23	24	25	26	27	28	-	-		29	30	31	32	33-35	36	37	38	39	40	41
Recommendations	◎	◎	◎	◎	◎	◎	◎	◎	◎					◎	◎	○	◎	◎				

$D_{1\ 0/-0.004}$	L_1	D_{h5}	L	CARBIDE	C-TOP	DRYCUT*
0.15	1.20	1.00	30	416002	416470	416178
0.16	1.30	1.00	30	416003	416471	416179
0.17	1.40	1.00	30	416004	416472	416180
0.18	1.50	1.00	30	416005	416473	416181
0.19	1.60	1.00	30	416006	416474	416182
0.20	1.60	1.00	30	416007	416475	416183
0.21	1.70	1.00	30	416008	416476	416184
0.22	1.80	1.00	30	416009	416477	416185
0.23	1.90	1.00	30	416010	416478	416186
0.24	2.00	1.00	30	416011	416479	416187
0.25	2.00	1.00	30	416012	416480	416188
0.26	2.10	1.00	30	416013	416481	416189
0.27	2.20	1.00	30	416014	416482	416190
0.28	2.30	1.00	30	416015	416483	416191
0.29	2.40	1.00	30	416016	416484	416192
0.30	2.40	1.00	30	416017	416485	416193
0.31	2.50	1.00	30	416018	416486	416194
0.32	2.60	1.00	30	416019	416487	416195
0.33	2.70	1.00	30	416020	416488	416196
0.34	2.80	1.00	30	416021	416489	416197
0.35	2.80	1.00	30	416022	416490	416198
0.36	2.90	1.00	30	416023	416491	416199
0.37	3.00	1.00	30	416024	416492	416200
0.38	3.10	1.00	30	416025	416493	416201
0.39	3.20	1.00	30	416026	416494	416202
0.40	3.20	1.00	30	416027	416495	416203
0.41	3.30	1.00	30	416028	416496	416204
0.42	3.40	1.00	30	416029	416497	416205
0.43	3.50	1.00	30	416030	416498	416206
0.44	3.60	1.00	30	416031	416499	416207
0.45	3.60	1.00	30	416032	416500	416208

$D_{1\ 0/-0.004}$	L_1	D_{h5}	L	CARBIDE	C-TOP	DRYCUT*
0.46	3.70	1.00	30	416033	416501	416209
0.47	3.80	1.00	30	416034	416502	416210
0.48	3.90	1.00	30	416035	416503	416211
0.49	4.00	1.00	30	416036	416504	416212
0.50	4.00	1.00	30	416037	416505	416213
0.51	4.10	1.00	30	416038	416506	416214
0.52	4.20	1.00	30	416039	416507	416215
0.53	4.30	1.00	30	416040	416508	416216
0.54	4.40	1.00	30	416041	416509	416217
0.55	4.40	1.00	30	416042	416510	416218
0.56	4.50	1.00	30	416043	416511	416219
0.57	4.60	1.00	30	416044	416512	416220
0.58	4.70	1.00	30	416045	416513	416221
0.59	4.80	1.00	30	416046	416514	416222
0.60	4.80	1.00	30	416047	416515	416223
0.61	4.90	1.00	30	416048	416516	416224
0.62	5.00	1.00	30	416049	416517	416225
0.63	5.10	1.00	30	416050	416518	416226
0.64	5.20	1.00	30	416051	416519	416227
0.65	5.20	1.00	30	416052	416520	416228
0.66	5.30	1.00	30	416053	416521	416229
0.67	5.40	1.00	30	416054	416522	416230
0.68	5.50	1.00	30	416055	416523	416231
0.69	5.60	1.00	30	416056	416524	416232
0.70	5.60	1.00	30	416057	416525	416233
0.71	5.70	1.00	30	416058	416526	416234
0.72	5.80	1.00	30	416059	416527	416235
0.73	5.90	1.00	30	416060	416528	416236
0.74	6.00	1.00	30	416061	416529	416237
0.75	6.00	1.00	30	416062	416530	416238

* for non-ferrous material

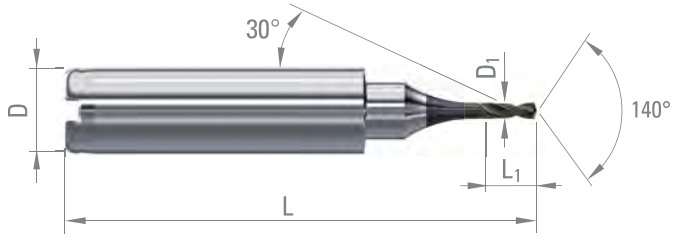
$D_{1\ 0/-0.004}$	L_1	D_{h5}	L	CARBIDE	C-TOP	DRYCUT*
0.76	6.10	1.00	30	416063	416531	416239
0.77	6.20	1.00	30	416064	416532	416240
0.78	6.30	1.00	30	416065	416533	416241
0.79	6.40	1.00	30	416066	416534	416242
0.80	6.40	1.50	30	416067	416535	416243
0.81	6.50	1.50	30	416068	416536	416244
0.82	6.60	1.50	30	416069	416537	416245
0.83	6.70	1.50	30	416070	416538	416246
0.84	6.80	1.50	30	416071	416539	416247
0.85	6.80	1.50	30	416072	416540	416248
0.86	6.90	1.50	30	416073	416541	416249
0.87	7.00	1.50	30	416074	416542	416250
0.88	7.10	1.50	30	416075	416543	416251
0.89	7.20	1.50	30	416076	416544	416252
0.90	7.20	1.50	30	416077	416545	416253
0.91	7.30	1.50	30	416078	416546	416254
0.92	7.40	1.50	30	416079	416547	416255
0.93	7.50	1.50	30	416080	416548	416256
0.94	7.60	1.50	30	416081	416549	416257
0.95	7.60	1.50	30	416082	416550	416258
0.96	7.70	1.50	30	416083	416551	416259
0.97	7.80	1.50	30	416084	416552	416260
0.98	7.90	1.50	30	416085	416553	416261
0.99	8.00	1.50	30	416086	416554	416262
1.00	8.00	1.50	30	416087	416555	416263
1.01	8.10	1.50	38	422958	423118	423278
1.02	8.20	1.50	38	422959	423119	423279
1.03	8.30	1.50	38	422960	423120	423280
1.04	8.40	1.50	38	422961	423121	423281
1.05	8.40	1.50	38	416088	416556	416264
1.06	8.50	1.50	38	422962	423122	423282
1.07	8.60	1.50	38	422963	423123	423283
1.08	8.70	1.50	38	422964	423124	423284
1.09	8.80	1.50	38	422965	423125	423285
1.10	8.80	1.50	38	416089	416557	416265
1.11	8.90	1.50	38	422966	423126	423286
1.12	9.00	1.50	38	422967	423127	423287
1.13	9.10	1.50	38	422968	423128	423288
1.14	9.20	1.50	38	422969	423129	423289
1.15	9.20	1.50	38	416090	416558	416266
1.16	9.30	1.50	38	422970	423130	423290
1.17	9.40	1.50	38	422971	423131	423291
1.18	9.50	1.50	38	422972	423132	423292
1.19	9.60	1.50	38	422973	423133	423293
1.20	9.60	1.50	38	416091	416559	416267
1.21	9.70	1.50	38	422974	423134	423294
1.22	9.80	1.50	38	422975	423135	423295
1.23	9.90	1.50	38	422976	423136	423296
1.24	10.00	1.50	38	422977	423137	423297
1.25	10.00	1.50	38	416092	416560	416268
1.26	10.10	1.50	38	422978	423138	423298
1.27	10.20	1.50	38	422979	423139	423299
1.28	10.30	1.50	38	422980	423140	423300
1.29	10.40	1.50	38	422981	423141	423301
1.30	10.40	1.50	38	416093	416561	416269
1.31	10.50	1.50	38	422982	423142	423302
1.32	10.60	1.50	38	422983	423143	423303
1.33	10.70	1.50	38	422984	423144	423304
1.34	10.80	1.50	38	422985	423145	423305
1.35	10.80	1.50	38	416094	416562	416270
1.36	10.90	1.50	38	422986	423146	423306
1.37	11.00	1.50	38	422987	423147	423307
1.38	11.10	1.50	38	422988	423148	423308
1.39	11.20	1.50	38	422989	423149	423309
1.40	11.20	1.50	38	416095	416563	416271
1.41	11.30	1.50	38	422990	423150	423310
1.42	11.40	1.50	38	422991	423151	423311
1.43	11.50	1.50	38	422992	423152	423312
1.44	11.60	1.50	38	422993	423153	423313
1.45	11.60	1.50	38	416096	416564	416272
1.46	11.70	1.50	38	422994	423154	423314
1.47	11.80	1.50	38	422995	423155	423315
1.48	11.90	1.50	38	422996	423156	423316
1.49	12.00	1.50	38	422997	423157	423317
1.50	12.00	2.00	38	416097	416565	416273
1.51	12.10	2.00	38	422998	423158	423318
1.52	12.20	2.00	38	422999	423159	423319
1.53	12.30	2.00	38	423000	423160	423320
1.54	12.40	2.00	38	423001	423161	423321
1.55	12.40	2.00	38	416098	416566	416274
1.56	12.50	2.00	38	423002	423162	423322
1.57	12.60	2.00	38	423003	423163	423323
1.58	12.70	2.00	38	423004	423164	423324
1.59	12.80	2.00	38	423005	423165	423325
1.60	12.80	2.00	38	416099	416567	416275
1.61	12.9	2.0	38	423006	423166	423326
1.62	13.0	2.0	38	423007	423167	423327
1.63	13.1	2.0	38	423008	423168	423328
1.64	13.2	2.0	38	423009	423169	423329
1.65	13.2	2.0	38	416100	416568	416276
1.66	13.3	2.0	38	423010	423170	423330
1.67	13.4	2.0	38	423011	423171	423331
1.68	13.5	2.0	38	423012	423172	423332
1.69	13.6	2.0	38	423013	423173	423333
1.70	13.6	2.0	38	416101	416569	416277
1.71	13.7	2.0	38	423014	423174	423334
1.72	13.8	2.0	38	423015	423175	423335
1.73	13.9	2.0	38	423016	423176	423336
1.74	14.0	2.0	38	423017	423177	423337
1.75	14.0	2.0	38	416102	416570	416278
1.76	14.1	2.0	38	423018	423178	423338
1.77	14.2	2.0	38	423019	423179	423339
1.78	14.3	2.0	38	423020	423180	423340

* for non-ferrous material

$D_{1\ 0/-0.004}$	L_1	D_{h5}	L	CARBIDE	C-TOP	DRYCUT*
1.79	14.4	2.0	38	423021	423181	423341
1.80	14.4	2.0	38	416103	416571	416279
1.81	14.5	2.0	38	423022	423182	423342
1.82	14.6	2.0	38	423023	423183	423343
1.83	14.7	2.0	38	423024	423184	423344
1.84	14.8	2.0	38	423025	423185	423345
1.85	14.8	2.0	38	416104	416572	416280
1.86	14.9	2.0	38	423026	423186	423346
1.87	15.0	2.0	38	423027	423187	423347
1.88	15.1	2.0	38	423028	423188	423348
1.89	15.2	2.0	38	423029	423189	423349
1.90	15.2	2.0	38	416105	416573	416281
1.91	15.3	2.0	38	423030	423190	423350
1.92	15.4	2.0	38	423031	423191	423351
1.93	15.5	2.0	38	423032	423192	423352
1.94	15.6	2.0	38	423033	423193	423353
1.95	15.6	2.0	38	416106	416574	416282
1.96	15.7	2.0	38	423034	423194	423354
1.97	15.8	2.0	38	423035	423195	423355
1.98	15.9	2.0	38	423036	423196	423356
1.99	16.0	2.0	38	423037	423197	423357
2.00	16.0	3.0	50	416107	416575	416283
2.10	16.8	3.0	50	416108	416576	416284
2.20	17.6	3.0	50	416109	416577	416285
2.30	18.4	3.0	50	416110	416578	416286
2.40	19.2	3.0	50	416111	416579	416287
2.50	20.0	3.0	50	416112	416580	416288
2.60	20.8	3.0	50	416113	416581	416289
2.70	21.6	3.0	50	416114	416582	416290
2.80	22.4	3.0	50	416115	416583	416291
2.90	23.2	3.0	50	416116	416584	416292
3.00	24.0	3.0	50	416117	416585	416293
3.10	25.0	4.0	75	416118	416586	416294
3.20	26.0	4.0	75	416119	416587	416295
3.30	27.0	4.0	75	416120	416588	416296
3.40	28.0	4.0	75	416121	416589	416297
3.50	28.0	4.0	75	416122	416590	416298
3.60	29.0	4.0	75	416123	416591	416299
3.70	30.0	4.0	75	416124	416592	416300
3.80	31.0	4.0	75	416125	416593	416301
3.90	32.0	4.0	75	416126	416594	416302
4.00	32.0	4.0	75	416127	416595	416303
4.10	33.0	6.0	100	416128	416596	416304
4.20	34.0	6.0	100	416129	416597	416305
4.30	35.0	6.0	100	416130	416598	416306
4.40	36.0	6.0	100	416131	416599	416307
4.50	36.0	6.0	100	416132	416600	416308
4.60	37.0	6.0	100	416133	416601	416309
4.70	38.0	6.0	100	416134	416602	416310
4.80	39.0	6.0	100	416135	416603	416311
4.90	40.0	6.0	100	416136	416604	416312
5.00	40.0	6.0	100	416137	416605	416313
5.10	41.0	6.0	100	416138	416606	416314
5.20	42.0	6.0	100	416139	416607	416315
5.30	43.0	6.0	100	416140	416608	416316
5.40	44.0	6.0	100	416141	416609	416317
5.50	44.0	6.0	100	416142	416610	416318
5.60	45.0	6.0	100	416143	416611	416319
5.70	46.0	6.0	100	416144	416612	416320
5.80	47.0	6.0	100	416145	416613	416321
5.90	48.0	6.0	100	416146	416614	416322
6.00	48.0	6.0	100	416147	416615	416323

* for non-ferrous material

DIXI 1137-5D DRYCUT ALSO AVAILABLE FOR THE WM-701S MACHINE



$D_{1\ 0/-0.004}$	L_1	D_{h5}	L	DRYCUT*
0.32	1.80	6	33	396793
0.35	1.80	6	33	389009
0.40	2.00	6	33	389010
0.42	2.10	6	33	389011
0.48	2.40	6	33	396816
0.55	2.80	6	33	396817
0.64	3.20	6	33	389012
0.70	3.50	6	33	396818
0.80	4.00	6	33	389013
0.90	4.50	6	33	396819
1.10	5.50	6	33	396820

* for non-ferrous material

Find out more
in our brochure dedicated
to Willemin Macodel 701S machine tools.

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