END MILLS WITH CORNER RADIUS
AND SYMMETRICAL FRONT GRINDING

DIXI polytool

OUR LATEST INNOVATIONS FOR YOUR PRODUCTIVITY !

DIXI 7353

From Ø 0.4 to Ø 12.0 mm

DIXI 7353 C-TOP

C-TOP COATING
- New generation of dropless coating
- High wear and oxidation resistance

CORE
- Reinforced core for maximum rigidity

SYMMETRICAL FRONT GRINDING
- High efficiency in plunging
- Perfect balance

swiss made since 1946

MADE SWISS

VIDEO 7353

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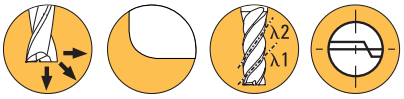
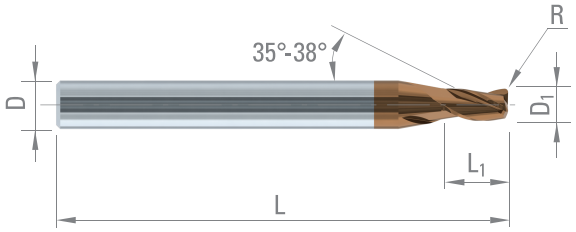
DIXI 7353

END MILLS WITH CORNER RADIUS WITH UNEQUAL HELIX ANGLES

Z = 3





Steel + Pb | Low alloyed steel | High alloyed steel | DUPLEX stainless steel | Cast iron

Refractory alloy | Titanium, titanium alloy | Cu alloy Silver Gold | Cu alloy difficult to machine

D_1	L_1	D_{h5}	L	R	CARBIDE	C-TOP
Ø >0.40 - 0/-0.01 Ø <2.00 - 0/-0.02				R ≤ 0.10 ± 0.01 R < 0.30 ± 0.015		
0.40	0.90	4	38	0.05	392798	392915
				0.10	392799	392916
0.50	1.10	4	38	0.05	392800	392917
				0.10	392801	392918
0.60	1.40	4	38	0.05	392802	392919
				0.10	392803	392920
0.70	1.60	4	38	0.05	392804	392921
				0.10	392805	392922
0.80	1.80	4	38	0.05	392806	392923
				0.10	392807	392924
0.90	2.00	4	38	0.05	392808	392925
				0.10	392809	392926
1.00	2.20	4	38	0.10	392810	392927
				0.20	392811	392928
1.50	3.20	4	38	0.10	392812	392929
				0.20	392813	392930
2.00	4.30	4	38	0.10	392814	392931
				0.20	392815	392932
				0.30	392816	392933
2.50	5.30	4	38	0.20	392817	392934
				0.30	392818	392935
3.00	6.30	6	55	0.20	392819	392936
				0.30	392820	392937

D_1	L_1	D_{h5}	L	R	CARBIDE	C-TOP
Ø <2.00 - 0/-0.02 Ø ≥6.00 - e8				R < 0.30 ± 0.015 R ≥ 0.30 ± 0.02		
4.00	8.30	6	55	0.20	392821	392938
				0.30	392822	392939
				0.50	392823	392940
				1.00	392824	392941
5.00	10.30	6	55	0.30	392825	392942
				0.50	392826	392943
				1.00	392827	392944
6.00	13.00	6	55	0.30	392828	392945
				0.50	392829	392946
				1.00	392830	392947
				1.50	392831	392948
8.00	18.00	8	64	0.50	392832	392949
				1.00	392833	392950
				1.50	392834	392951
				2.00	392835	392952
10.0	22.00	10	67	0.50	392836	392953
				1.00	392837	392954
				1.50	392838	392955
				2.00	392839	392956
12.0	26.00	12	74	0.50	392840	392957
				1.00	392841	392958
				1.50	392842	392959
				2.00	392843	392960

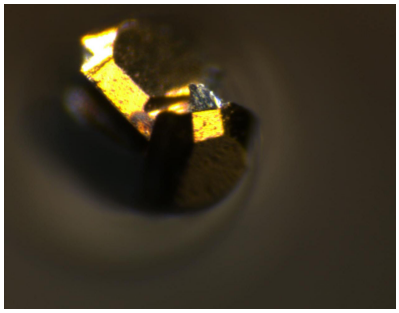
APPLICATION EXAMPLE – Axial plunging test

DIXI 7353 Ø0.50 R0.10 C-TOP

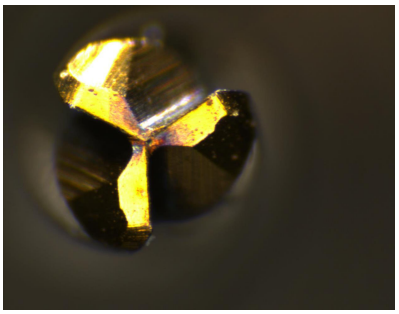
n = 27'000 rpm (Vc = 42m/min)
Vf = 150 m/min (fz = 0.018mm)

Material : 17-4 PH
Lubrication : Cutting oil
Tool diameter = 0.5 mm,
Corner radius = 0.1 mm
Depth = 0.5 mm

Reference tool
Breaks after 1 hole



DIXI 7353 Ø0.50 R0.10 C-TOP
No wear



Plunging is possible and allows an increase in productivity !