

NEW END MILLS

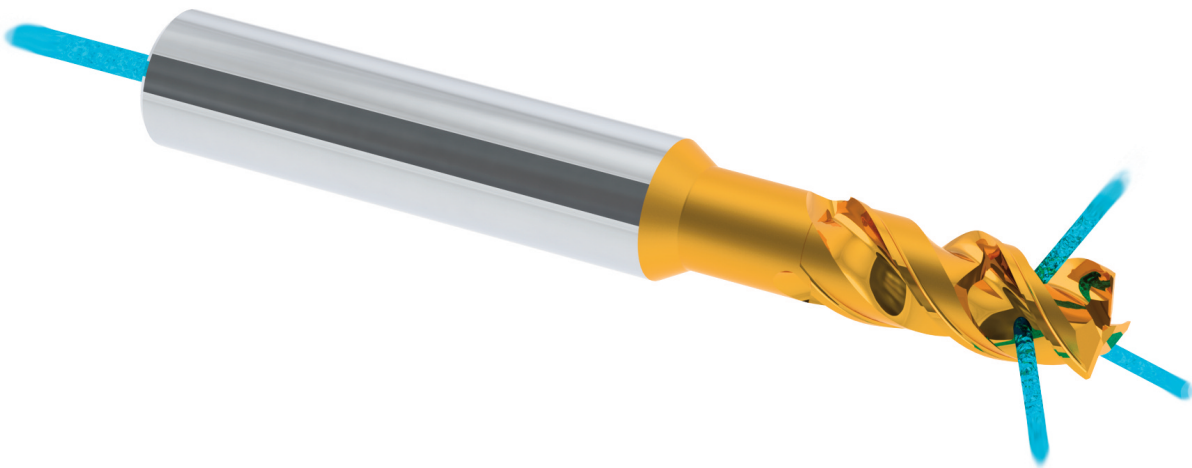
FOR ALUMINUM MACHINING

Carbide, new DIXAL coating,
cutting geometry with variable helix,
optimized coolant channels,
a new winning combination

DIXI 7563



DIXI 7563-FC



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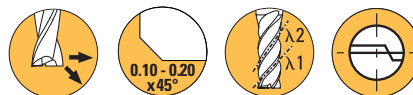


Enjoy Swiss Precision

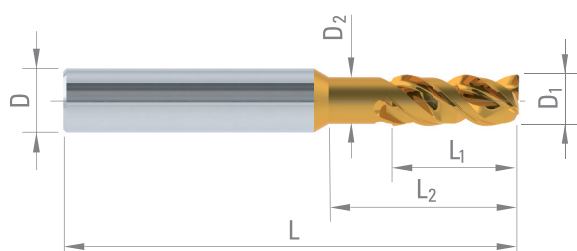
DIXI 7563

END MILL WITH VARIABLE HELIX

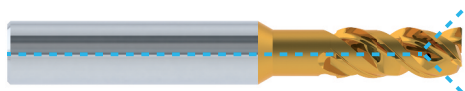
Z = 3



7563



7563-FC



Cu alloy
Silver
Gold

Cu alloy
difficult
to machine

Al

7563



7563-FC



D_{1h10}	L_1	D_2	L_2	D_{h5}	L	DIXAL	DIXAL
4.00	9.0	3.60	14	4	57	991388	
6.00	13.0	5.60	21	6	57	991389	321899
8.00	19.0	7.40	26	8	63	991390	321900
10.00	22.0	9.30	30	10	72	991391	321901
12.00	26.0	11.00	37	12	83	991392	321902
16.00	32.0	15.00	42	16	92	991393	321903
20.00	38.0	19.00	50	20	104	991394	322866

APPLICATION EXAMPLE

Tool DIXI 7563-FC Ø 16 DIXAL
Machine Vertical milling centre
Operation Contouring finishing operation
Material Fn-AlCu (Aluminium copper alloy)

Cutting data

$n = 9'000$ rev/min
 $V_c = 452$ m/min
 $V_f = 4'000$ mm/min
 $f_z = 0.14$ mm
 $a_p = 20$ mm
 $a_e = 0.50$ mm

Result Thanks too its geometry and the use of flute coolant, the DIXI 7563-FC allowed to double the feed rate in comparison to the competitor tool.

Nota: the roughing operation has been made with a DIXI 7215.

