

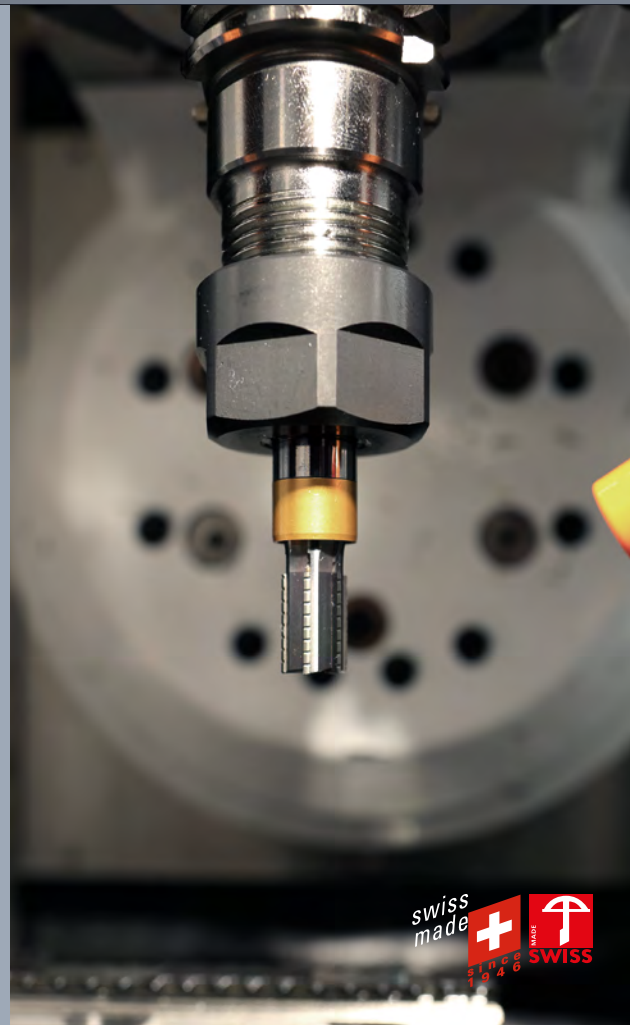
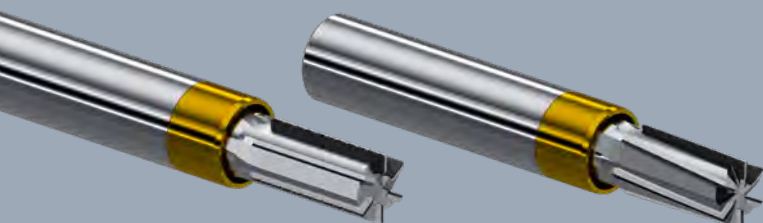


Available
with or without
the DIXI COOL+[®]
system

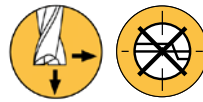
PCD end mills designed for machining platinum
DIXI 72150 and DIXI 70520

New generation of
milling cutters for
roughing and finishing.

The ideal solution for
combining speed, precision,
and cost-effectiveness in
platinum machining.



Z = 3-6



DIXI 72150 SP
PCD ROUGHING END MILLS



- PCD end mills, developed for high-performance rough machining of platinum, for maximum productivity with reduced cycle times and optimal preparation prior to finishing operations.
- PCD improves tool life and productivity.



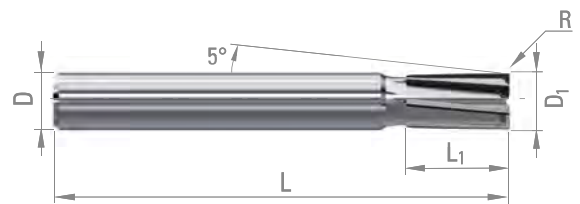
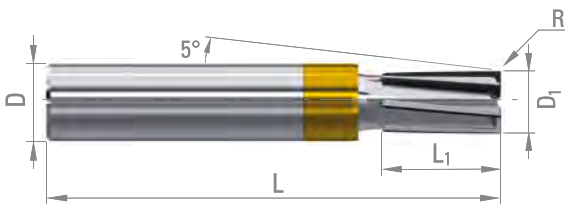
$D_{1 \pm 0.05}$	L_1	D_{h6}	L	R	Z	PCD
6	12	8	60	0.10	3	465573
8	15	10	70	0.10	6	465574

$D_{1 \pm 0.05}$	L_1	D_{h6}	L	R	Z	PCD
6	12	6	57	0.10	3	465577
8	15	8	63	0.10	6	465578

DIXI 70520 SP
PCD FINISHING END MILLS



- PCD end mills, developed for high-precision finish machining, delivering superior surface quality and reduced burrs. Smooth cutting action for improved process stability.
- PCD improves tool life and productivity.



$D_{1 \pm 0.05}$	L_1	D_{h6}	L	R	Z	PCD
6	12	8	60	0.05	4	465575
8	15	10	70	0.05	6	465576

$D_{1 \pm 0.05}$	L_1	D_{h6}	L	R	Z	PCD
6	12	6	57	0.05	4	465579
8	15	8	63	0.05	6	465580

APPLICATION EXAMPLE

Watch case middle machining process



Tool: DIXI 72150 PCD Ø8

Operation: Contouring and face milling

Material: 950 platinum

N = 15'000 rpm

Vf = 1'000 mm/min

Ap = 0.3 mm

Ae = 0.3 mm

Results:

Thanks to its PCD technology, our roughing end mill offers a significantly longer service life than a standard carbide end mill, substantially reducing tool consumption and production downtime. Longer service life, fewer tools used, and lower cost per part.

