

CUTTING CONDITIONS

Milling | Indexables | Cutting conditions

PDR

High feed radius cutter

Work Material		Tensile strength / Hardness	Milling Speed Vc (m/min)	PDR SS/MT/CN			PDR BORE				
				Feed per Tooth fz (mm)	Depth of Cut ap (mm)		Feed per Tooth fz (mm)	Depth of Cut ap (mm)			
					120	170		100	200	300	400
P	Mild Steel-Carbon Steel (SS400-S10C)	~180HB	180 (90~220)	0,7(0,3~1)	3	2	0,6(0,3~1)	3	3	2	2
	Carbon Steel-Alloy Steel (S50C-SCM440)	~280HB	180 (90~220)	0,7(0,3~1)	3	2	0,6(0,3~1)	3	3	2	2
	Die Steel (SKD11-SKD61)	~280HB	150 (90~180)	0,6(0,3~1)	3	2	0,5(0,3~1)	3	2	2	2
K	Cast Iron (FC250)	~350N/mm ²	180 (100~250)	0,8(0,3~1,5)	3	2	0,7(0,3~1,5)	3	3	2	2
	Ductile Cast Iron (FCD400)	~800N/mm ²	150 (100~250)	0,7(0,3~1,2)	3	2	0,6(0,3~1,2)	3	3	2	2