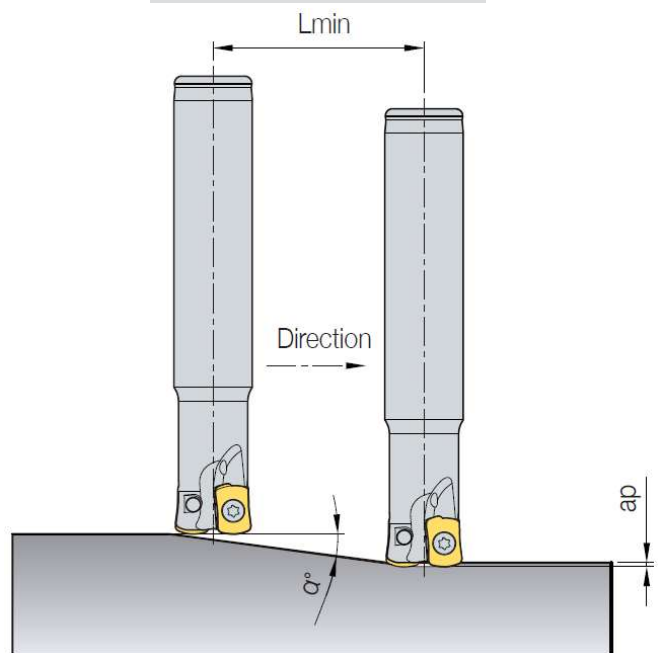


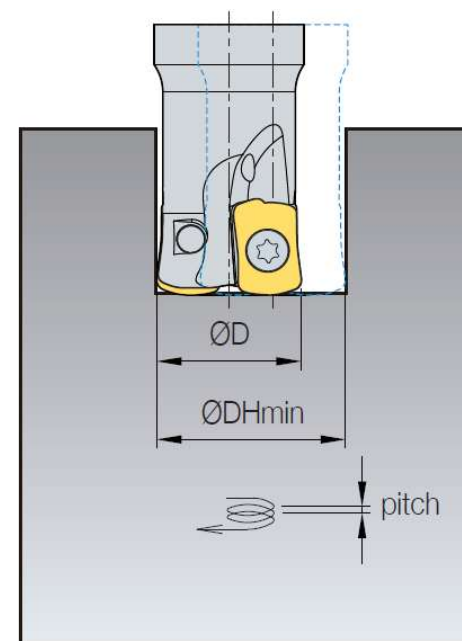
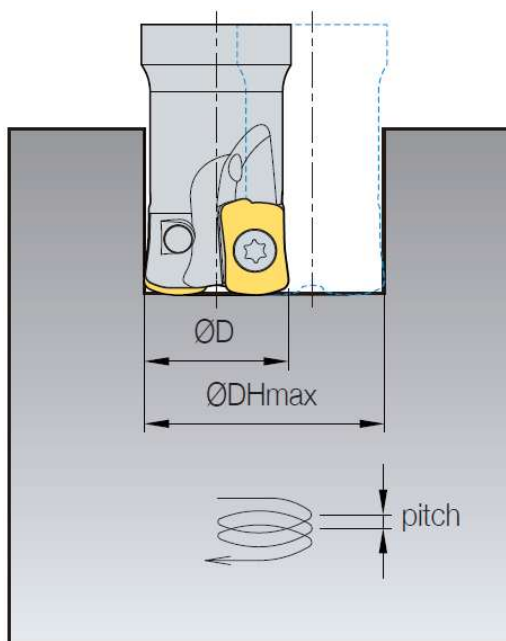
Technical Details



Ramping



Helical Interpolation



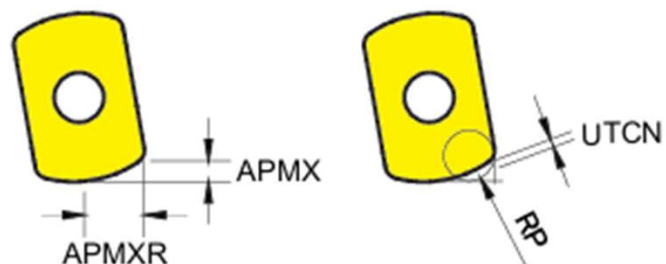
* In ramping and helical machining, use coolant and air. $L_{min} = \frac{ap}{\tan(\alpha^\circ)}$

Tool Part #	Tool Diameter ØD	Depth of Cut [ap]	Radial Depth of Cut [ap,R]	Ramping	Profiling		Helical Interpolation			Enlarge Hole
				Max. Rake Angle α°	Programmed Corner Radius	Uncut Chip Thickness	Min Machining Dia. ØDmin	Max Machining Dia. ØDmax	Helical Interpolation Pitch	Enlarge Width
01-0277	0.625	0.035	0.137	3.40	0.79	0.011	0.817	1.171	0.035	0.487
01-0278	0.750			2.00		0.012	1.067	1.421	0.039	0.604
01-0279	1.000			1.20		0.012	1.567	1.921	0.039	0.854
01-0280	1.250			0.90		0.012	2.067	2.421	0.039	1.104

*Units in Inch



Technical Details



Unit: mm (inch)

Programmed Corner Radius RP	Uncut Thickness UTCN	Overcut
2 (.079)	0.31 (.012)	0 (.000)
2.5 (.098)	0.18 (.007)	0.18 (.007)
3 (.118)	0.07 (.003)	0.36 (.014)

Insert Part #	Recommended chip breaker and grade by work piece material (✓ 1st recommendation)						
	Chip Breaker		P	M	K	S	H
			Steels	Stainless Steels	Cast Iron	High-Temp Alloys	Hardened Materials
02-0659	General		✓	✓	✓	-	-
02-0660	Reinforced Edge		✓	-	✓	-	✓