		Aerospace			Rapide® High Speed / High Performance Machining Series							
												
Familiy Range		XE	XER	RSM	ERC	HE	HER	HB	HMR	HMN	EA	HPA
Number of Flutes / Cutting Edges		4	4	6 - 8 - 10	3	4	4	2	6	6	2	2
Length		Medium	Normal	Long	Normal/Long	Normal	Normal	Long	Normal	Normal	Normal	Normal
Corner style		Radius			Chamfer	Sharp	Radius	Ball Nose	Radius	Sharp	Sharp	Sharp
Helix angle		35° - 38°			45°	30°	30°	30°	45°	50°	30°	55°
Coating		PVD		Uncoated	PVD						Uncoated	
Shank Style		HA Cylindrical			HA Cylindrical							
Manufacturing Standards			DIN[3]		DIN[3]							
mm	Diameter Range mm	2,00 - 20,00	2,00 - 20,00	10,00 - 25,00	3,00 - 20,00	2,00 - 16,00	6,00 - 12,00	3,00 - 12,00	3,00 - 20,00	6,00 - 20,00	2,00 - 20,00	3,00 - 20,00
Page		**B9 - B13**	**B9 - B13**	**B15 - B 18**	**B19 - B22**	**B23 - B25**	**B26 - B28**	**B29 - B31**	**B32 - B36**	**B37 - B39**	**B40 - B42**	**B43 - B45**
General Application	Slotting - Square Ended	◆◆◆◆	◆◆◆◆		◆◆◆◆	◆◆◆	◆◆◆		◆◆◆◆	◆◆◆	◆	◆
	Slotting - Ball Nosed							◆◆◆◆				
	Shoulder Milling - Square Ended	◆◆◆◆	◆◆◆◆	◆	◆◆◆◆	◆◆◆	◆◆◆		◆◆◆◆		◆	◆
	Shoulder Milling - Ball Nosed							◆◆◆◆				
Tool Path Strategy	Pocketing	◆◆◆◆	◆◆◆◆		◆◆◆◆	◆◆◆	◆◆◆	◆◆◆◆	◆◆◆◆		◆	◆
	Drilling				◆◆◆◆						◆	◆
	Helical Interpolation	◆◆◆◆	◆◆◆◆		◆◆◆◆						◆	◆
	Ramping				◆◆◆◆						◆	◆
	Copy / 3D							◆◆◆◆				
	Facing	◆◆◆◆	◆◆◆◆	◆	◆◆◆◆	◆◆◆	◆◆◆		◆◆◆◆	◆◆◆	◆	◆
	Trochoidal	◆◆◆◆	◆◆◆◆		◆◆◆◆	◆◆◆	◆◆◆		◆◆◆◆	◆◆◆	◆	◆

Note: DIN[1] = DIN6535, DIN[2] = DIN6527L, DIN[3] = DIN6535 and DIN 6527L.