Recommended Feeds

RSM Technical Information

Product			Dimensions (mm)																	
			Profiling					Facing					Chip Thickness		Profiling (mm/z)				Facing (mm/z)	
Family Description	Diameter	Z	a_e min	a_e max	a_p min	a_p max	a_d max mm²	a_e min	a_e max	a_p min	a_p max	a_d max mm²	h_m min	h_m max	for a_e min f_z min	for a_e min f_z max	for a_e max f_z min	for a_e max f_z max	f_z min	f_z max
RSM100	10,00	6	0,17	0,67	10,30	13,00	6,87	Radius +0,50	7,50	0,20	Radius +0,50	1,25	0,02	0,05	0,078	0,195	0,040	0,100	0,020	0,057
RSM120	12,00	6	0,20	0,80	12,80	15,60	10,24		9,00			1,80			0,078	0,195	0,040	0,100		
RSM160	16,00	6	0,27	1,07	17,80	20,80	18,99		12,00			3,20			0,078	0,195	0,040	0,100		
RSM160	16,00	8	0,20	0,80	12,00	20,80	9,60		12,00			3,20			0,090	0,225	0,046	0,115		
RSM200	20,00	6	0,33	1,33	23,00	26,00	30,67		15,00			5,00			0,078	0,195	0,040	0,100		
RSM200	20,00	8	0,25	1,00	16,00	26,00	16,00		15,00			5,00			0,090	0,225	0,046	0,115		
RSM250	25,00	8	0,31	1,25	20,50	32,50	25,63		18,75			7,81			0,090	0,225	0,046	0,115		
RSM250	25,00	10	0,25	1,00	15,50	32,50	15,50		18,75			7,81			0,101	0,251	0,051	0,128		

In the application of RSM end mills, it is vital that a_d max mm² is not exceeded. For this, adjust a_e & a_p accordingly.

Example:

When using a_p max, then a_e = a_d max mm²/ a_p max
= 15,50 / 32,50
= 0,47mm

When using a_e max, Then a_p = a_d max mm²/ a_e max
= 15,5 / 1
= 15,50mm

Example based on values for RSM250 (Z=10)