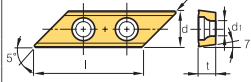
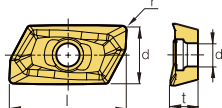
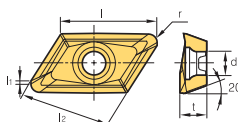
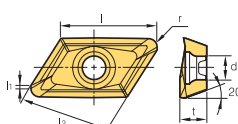
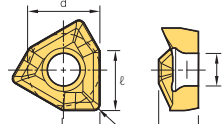


Workpiece			Machining types															
			● Continuous cutting ⦿ General cutting ✱ Interrupted cutting															
Steel	P		●	●	●	●	●	●	●			✱	✱			✱		
Stainless steel	M											✱	✱					
Cast iron	K			●	●	●	●	●				✱	✱				●	●
Non-ferrous metal	N														●	✱		●
Heat resistant alloy, Titanium alloy	S												✱	✱				
Hardened steel	H												✱	✱				

Inserts	Designation	Cermet	Coated								Uncoated			Dimensions (mm)								Geometries	Available tools
		CN2000 CN30	NC5330 NCM535	NCM545	PC3700 PC6510	PC9530 PC9540	PC5300 PC5400	PD2000 PD1010	ST30A G10	H01	H05	l	l ₂	l ₁	d	t	r	d ₁	a				
	310404ER-KC					●			●	●		30.9	-	-	9.525	4.5	0.4	4.4	-		E339		
	190504PEFR-MA								●	●		22	-	-	11.3	5.04	0.4	4.5	-		E368 E370		
	190508PEFR-MA								●	●		22	-	-	11.3	5.00	0.8	4.5	-				
	190512PEFR-MA								●	●		22	-	-	11.3	5.00	1.2	4.5	-				
	190516PEFR-MA								●	●		22	-	-	11.3	4.99	1.6	4.5	-				
	190520PEFR-MA								●	●		22	-	-	11.3	4.97	2.0	4.5	-				
	190524PEFR-MA								●	●		22	-	-	11.3	4.95	2.4	4.5	-				
	190530PEFR-MA								●	●		22	-	-	11.3	4.93	3.0	4.5	-				
	190532PEFR-MA								●	●		22	-	-	11.3	4.92	3.2	4.5	-				
	190540PEFR-MA								●	●		21	-	-	11.3	4.85	4.0	4.5	-				
	190550PEFR-MA								●	●		21	-	-	11.3	4.81	5.0	4.5	-				
	19M504FR-MA							●	●	●	18	16.4	1.4	-	5	0.4	4.4	-		E357~ E362			
	19M508FR-MA							●	●	●	18	16.4	1.0	-	5	0.8	4.4	-					
	19M512FR-MA							●	●	●	18	16.4	0.6	-	5	1.2	4.4	-					
	19M516FR-MA							●	●	●	17.5	16.4	0.5	-	5	1.6	4.4	-					
	19M518FR-MA								●	●	17.5	16.4	0.5	-	5	1.8	4.4	-					
	19M520FR-MA							●	●	●	17.5	16.4	0.5	-	5	2.0	4.4	-					
	19M530FR-MA							●	●	●	17	16.4	0.7	-	5	3.0	4.4	-					
	19M532FR-MA							●	●	●	17	16.4	0.5	-	5	3.2	4.4	-					
	19M540FR-MA							●	●	●	16.5	16.4	0.5	-	5	4.0	4.4	-					
	19M550FR-MA							●	●	●	16	16.4	0.4	-	5	5.0	4.4	-					
	250604FR-MA							●	●	●	24.5	21.9	1.5	-	6.35	0.4	6.0	-					
	250608FR-MA							●	●	●	24.5	21.9	1.2	-	6.35	0.8	6.0	-					
	250612FR-MA							●	●	●	24.5	21.9	0.8	-	6.35	1.2	6.0	-					
	250616FR-MA								●	●	24.5	21.9	0.4	-	6.35	1.6	6.0	-					
	250620FR-MA							●	●	●	24	21.9	0.5	-	6.35	2.0	6.0	-					
	250630FR-MA								●	●	23.7	21.9	0.6	-	6.35	3.0	6.0	-					
	250632FR-MA							●	●	●	23.7	21.9	0.4	-	6.35	3.2	6.0	-					
	250640FR-MA								●	●	22.8	21.9	1.2	-	6.35	4.0	6.0	-					
	250650FR-MA							●	●	●	22.7	21.9	0.4	-	6.35	5.0	6.0	-					
		19M504ER-ML										18	16.4	1.4	-	5	0.4	4.4			-		E357~ E362
19M508ER-ML											18	16.4	1.0	-	5	0.8	4.4	-					
19M512ER-ML											18	16.4	0.6	-	5	1.2	4.4	-					
19M516ER-ML											17.5	16.4	0.5	-	5	1.6	4.4	-					
19M518ER-ML											17.5	16.4	0.5	-	5	1.8	4.4	-					
19M520ER-ML											17.5	16.4	0.5	-	5	2.0	4.4	-					
19M530ER-ML											17	16.4	0.7	-	5	3.0	4.4	-					
19M532ER-ML											17	16.4	0.5	-	5	3.2	4.4	-					
19M540ER-ML											16.5	16.4	0.5	-	5	4.0	4.4	-					
19M550ER-ML											16	16.4	0.4	-	5	5.0	4.4	-					
250604ER-ML											24.5	21.9	1.5	-	6.35	0.4	6.0	-					
250608ER-ML											24.5	21.9	1.2	-	6.35	0.8	6.0	-					
250612ER-ML											24.5	21.9	0.8	-	6.35	1.2	6.0	-					
250616ER-ML											24.5	21.9	0.4	-	6.35	1.6	6.0	-					
250620ER-ML											24	21.9	0.5	-	6.35	2.0	6.0	-					
250630ER-ML											23.7	21.9	0.6	-	6.35	3.0	6.0	-					
250632ER-ML											23.7	21.9	0.4	-	6.35	3.2	6.0	-					
250640ER-ML											22.8	21.9	1.2	-	6.35	4.0	6.0	-					
250650ER-ML											22.7	21.9	0.4	-	6.35	5.0	6.0	-					
		080504PNFR-MA								●	●	8.2	-	-	10.0	5.5	0.4	4.5	2.9		E90~ E94		
	080508PNFR-MA								●	●	8.2	-	-	10.0	5.5	0.8	4.5	2.9					
	080512PNFR-MA								●	●	8.2	-	-	10.0	5.5	1.2	4.5	2.9					
	080520PNFR-MA								●	●	8.2	-	-	10.0	5.5	2.0	4.5	2.9					
	120608PNFR-MA								●	●	12.0	-	-	13.0	6.5	0.8	5.5	3.5					

● : Stock item