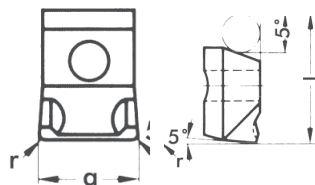
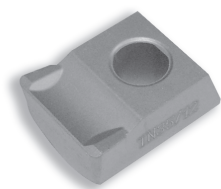
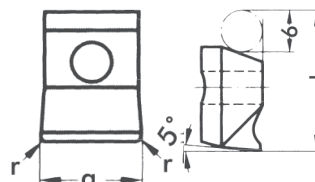
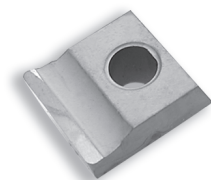


WIDIA WIDE GROOVING INSERTS



235.68._0

DESIGNATION	a _{mm}	a _{inch}	h	l	r	COATED						UNCOATED			CERMET			
						TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM
235.68.080	8.1	.319	.343	.752	.031	●		●	●	●				●				
235.68.100	10.1	.398	.354	.772	.031	●		●	●	●				●				
235.68.120	12.1	.476	.354	.866	.031	●		●	●	●				●				
235.68.140	14.1	.555	.354	.866	.031			●	●	●				●				
235.68.160	16.1	.634	.394	.960	.031	●		●	●	●				●				



235.68._1

DESIGNATION	a _{mm}	a _{inch}	h	l	r	COATED						UNCOATED			CERMET			
						TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM
235.68.081	8.1	.319	.343	.752	.031													●
235.68.101	10.1	.398	.354	.772	.031													●
235.68.121	12.1	.476	.354	.866	.031													●
235.68.141	14.1	.555	.354	.866	.031													●
235.68.161	16.1	.634	.394	.960	.031													●

235.68. ... Inserts offer a chip control geometry with a wide range of uses. All inserts are precision sintered and matched in geometry and grade to specific requirements of grooving.

235.68._0 Inserts with a wide range of uses in grooving and deep grooving; additional chip control element for good chip control even with varying widths of cut.

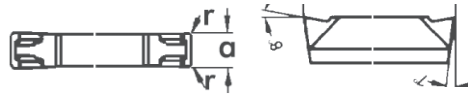
235.68._1 Inserts with a wide range of uses in grooving of short chipping materials.

WIDIA GROOVING INSERTS



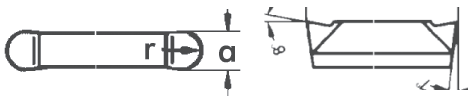
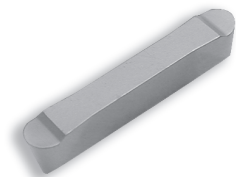
235.69.0 ...

DESIGNATION	a _{mm}	a _{inch}	h	l	r	COATED						UNCOATED			CERMET			
						TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM
235.69.030	3.1	.122	.236	.787	.012	●							●	●		●		
235.69.040	4.1	.161	.236	.787	.016	●							●	●	●	●		
235.69.050	5.1	.201	.276	1.181	.020	●							●	●		●		
235.69.060	6.1	.240	.276	1.181	.024	●							●	●		●		
235.69.080	8.1	.319	.315	1.378	.024	●							●	●		●		



235.69.1 ...

DESIGNATION	a _{mm}	a _{inch}	h	l	r	COATED						UNCOATED			CERMET			
						TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM
235.69.130	3.1	.122	.236	.787	.008	●		●					●	●				
235.69.140	4.1	.161	.236	.787	.012	●		●					●	●	●	●		
235.69.150	5.1	.201	.276	1.181	.012	●		●					●	●	●	●		
235.69.160	6.1	.240	.276	1.181	.016	●		●					●	●		●		
235.69.180	8.1	.319	.315	1.378	.024	●		●					●	●		●		



235.69.3 ...

DESIGNATION	a _{mm}	a _{inch}	h	l	r	COATED						UNCOATED			CERMET			
						TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM
235.69.330	3.0	.118	.236	.787	.059								●	●		●		
235.69.340	4.0	.157	.236	.787	.079								●	●		●		
235.69.350	5.0	.197	.276	1.181	.098								●	●		●		
235.69.360	6.0	.236	.276	1.181	.118								●	●		●		

235.69. ... Inserts offer a chip control geometry with a wide range of uses. Accurate, reproducible cutting edge positioning. Unhindered chip removal.

235.69.0. ... Can be used for grooving operations and varying widths of cut; good chip control even with difficult-to-machine materials.

235.69.1. ... Can be used for grooving and parting operations; universal use.

235.69.3. ... Fully rounded insert for profiling, grooving and copy turning.

