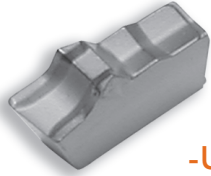
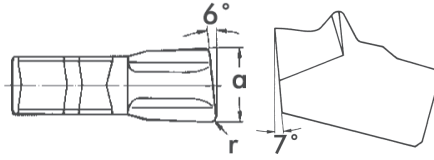


# WIDIA PROGROOVE PART-OFF INSERTS

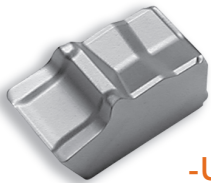


-U

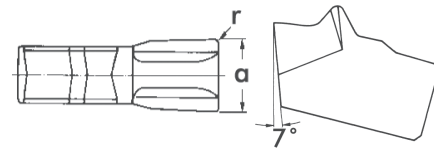


## 235.67.2 ...(R/L)

DESIGNATION	a <sub>mm</sub>	a <sub>inch</sub>	a <sub>tolerance</sub>	r	COATED							UNCOATED					CERMET	
					TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM	TTI-15
235.67.230 (R)	3.0	.118	+ .006/+ .002	.010	●	●	●	●	●	●	●							
235.67.231 (L)	3.0	.118	+ .006/+ .002	.010	●	●	●	●	●	●	●							
235.67.240 (R)	4.0	.157	+ .006/+ .002	.010	●	●	●	●	●	●	●							
235.67.241 (L)	4.0	.157	+ .006/+ .002	.010	●	●	●	●	●	●	●							



-U

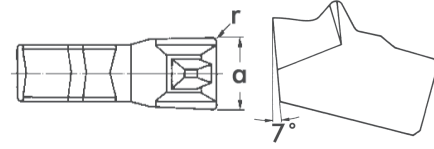


## 235.67.3 ...

DESIGNATION	a <sub>mm</sub>	a <sub>inch</sub>	a <sub>tolerance</sub>	r	COATED							UNCOATED					CERMET	
					TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM	TTI-15
235.67.320	2.0	.079	+ .006/+ .002	.008	●	●	●	●	●	●	●							
235.67.330	3.0	.118	+ .006/+ .002	.012	●	●	●	●	●	●	●							
235.67.340	4.0	.157	+ .006/+ .002	.012	●	●	●	●	●	●	●							
235.67.350	5.0	.197	+ .006/+ .002	.012	●	●	●	●	●	●	●							
235.67.360	6.0	.236	+ .006/+ .002	.016	●	●	●	●	●	●	●							
235.67.380	8.0	.315	+ .008/+ .004	.024	●	●	●	●	●	●	●							

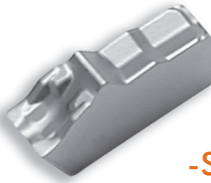


-M

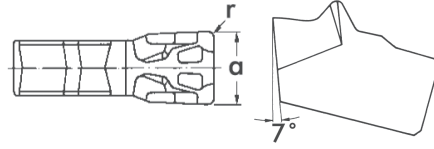


## 235.67.4 ...

DESIGNATION	a <sub>mm</sub>	a <sub>inch</sub>	a <sub>tolerance</sub>	r	COATED							UNCOATED					CERMET	
					TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM	TTI-15
235.67.420	2.0	.079	+ .006/+ .002	.008	●	●	●	●	●	●	●							
235.67.430	3.0	.118	+ .006/+ .002	.012	●	●	●	●	●	●	●							
235.67.440	4.0	.157	+ .006/+ .002	.012	●	●	●	●	●	●	●							
235.67.450	5.0	.197	+ .006/+ .002	.012	●	●	●	●	●	●	●							
235.67.460	6.0	.236	+ .006/+ .002	.016	●	●	●	●	●	●	●							
235.67.480	8.0	.315	+ .008/+ .004	.024	●	●	●	●	●	●	●							



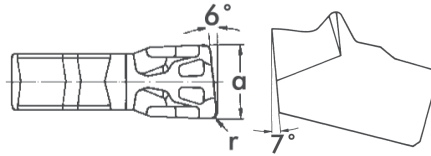
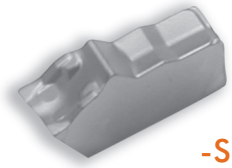
-S



## 235.67.7...

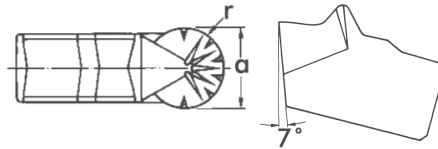
DESIGNATION	a <sub>mm</sub>	a <sub>inch</sub>	a <sub>tolerance</sub>	r	COATED							UNCOATED					CERMET	
					TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM	TTI-15
235.67.702	2.0	.079	+ .012/+ .008	.008	●	●	●	●	●	●	●							
235.67.703	3.0	.118	+ .012/+ .008	.008	●	●	●	●	●	●	●							
235.67.704	4.0	.157	+ .012/+ .008	.008	●	●	●	●	●	●	●							
235.67.705	5.0	.197	+ .012/+ .008	.008	●	●	●	●	●	●	●							

# WIDIA ProGROOVE PART-OFF INSERTS



## 235.67.7...(R/L)

DESIGNATION	a <sub>mm</sub>	a <sub>inch</sub>	a <sub>tolerance</sub>	r	COATED						UNCOATED					CERMET	
					TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM
235.67.720 (R)	2.0	.079	+.012/+0.008	.008				●	●	●							
235.67.721 (L)	2.0	.079	+.012/+0.008	.008				●	●	●							
235.67.730 (R)	3.0	.118	+.012/+0.008	.008				●	●	●							
235.67.731 (L)	3.0	.118	+.012/+0.008	.008				●	●	●							
235.67.740 (R)	4.0	.157	+.012/+0.008	.008				●	●	●							
235.67.741 (L)	4.0	.157	+.012/+0.008	.008				●	●	●							
235.67.750 (R)	5.0	1.97	+.012/+0.008	.008				●	●	●							
235.67.751 (L)	5.0	1.97	+.012/+0.008	.008				●	●	●							



## 235.67.8 ...

DESIGNATION	a <sub>mm</sub>	a <sub>inch</sub>	a <sub>tolerance</sub>	r	COATED						UNCOATED					CERMET	
					TK15	TN200	TN35	TN7525	TN7535	TPC25	TPC35	TN8025	TTX	TTM	TTR	THM-F	THM
235.67.803	3.0	.118	+.003/-0.003	.059		●		●									
235.67.804	4.0	.157	+.003/-0.003	.079		●		●									
235.67.805	5.0	.197	+.003/-0.003	.098		●		●									
235.67.806	6.0	.236	+.003/-0.003	.118		●		●									

### ProGroove Insert Geometries

#### -U

For grooving and parting operations and has universal uses such as light cutting action thanks to a positive chipbreaker groove. Available in a left-hand and right-hand style, with a 6° front angle, or parting operations.

#### -M

For grooving operations and varying widths of cuts. Good chip control even on difficult-to-machine materials. This insert has an added chip-breaker for lighter chip loads.

#### -S

For low-burr parting with straight flanks and smooth surface finishes. Its neutral design is recommended for grooving and parting of slender workpieces, that is, diameters < 1.25" and thin walled tubes.

#### -R

Full round inserts for profiling, grooving and copy turning. This insert has very good chip control, for a broad general use.