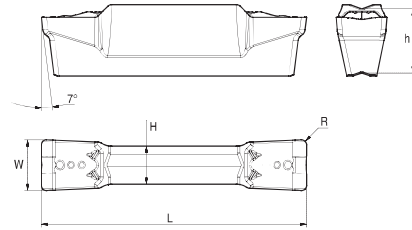


**Grooving-Turning Series**

TS: Double-ended inserts applied for external, internal, face turning, grooving and parting off



Inserts	Designation	Cutting parameter				Dimension(mm)					Grade	
		Grooving Feed (mm/rev)	Tmax	Turning		W	R	L	H	h	AP90TU	AW100K
				Feed (mm/rev)	Ap (mm)							
	ATD 203-TS	0.04-0.20	19.7	0.12-0.19	0.40-1.50	2	0.3	20.7	1.7	5.1	○	
	ATD 303-TS	0.05-0.25	19.7	0.15-0.23	0.45-2.00	3	0.3	20.7	2.2	5.1	●	
	ATD 404-TS	0.06-0.27	19.7	0.18-0.25	0.50-2.50	4	0.4	20.7	3.0	5.1	●	
	ATD 408-TS	0.06-0.27	19.7	0.18-0.25	1.00-2.50	4	0.8	20.7	3.0	5.1	●	
	ATD 504-TS	0.07-0.30	24.7	0.20-0.30	0.55-3.50	5	0.4	25.7	4.0	5.0	●	
	ATD 508-TS	0.07-0.30	24.7	0.20-0.30	1.00-3.50	5	0.8	25.7	4.0	5.0	○	
	ATD 604-TS	0.10-0.40	24.7	0.22-0.45	0.65-3.80	6	0.4	25.7	5.0	5.0	○	
	ATD 608-TS	0.10-0.40	24.7	0.22-0.45	1.00-3.80	6	0.8	25.7	5.0	5.0	○	
	ATD 808-TS	0.12-0.45	30.5	0.28-0.50	1.00-4.50	8	0.8	31.5	6.0	6.1	○	

Marked: ● Stock available  
○ Produced by order