

■ Series 6T0R

		āp] ae:														
			ide Milling (A nd Slotting (B			TiAIN		Recommended feed per tooth (IPT = inch/th) for side milling (A). For slotting (B), reduce IPT by 20%.								
Material Group				В	Cuttin	g Spee	ed – vc		D1 — Diameter							
		A		P	SFM			frac.	1/2	5/8	3/4	1	1 1/4	1 1/2		
		ар	ae	ар	min		max	dec.	.5000	.6250	.7500	1.0000	1.2500	1.5000		
s	3	1.25 x D	0.5 x D	1 x D	50	-	90	IPT	.0028	.0033	.0036	.0040	.0050	.0060		
'n	4	1.25 x D	0.3 x D	0.5 x D	50	_	90	IPT	.0026	.0030	.0033	.0036	.0045	.0055		

NOTE: Side milling applications — For longest length tools, reduce ae by 30%.

Slot milling applications — For longest length tools, reduce ap by 30%.

Lower value of cutting speed is used for high stock removal applications or for higher hardness (machinability) within group.

Higher value of cutting speed is used for finishing applications or for lower hardness (machinability) within group.

Above parameters are based on ideal conditions. For smaller taper machining centers, please adjust parameters accordingly on diameters >1/2".

Application Data ◆ Series 6TNR

■ Series 6TNR



NOTE: Side milling applications — For longest length tools, reduce ae by 30%.

Slot milling applications — For longest length tools, reduce ap by 30%.

Lower value of cutting speed is used for high stock removal applications or for higher hardness (machinability) within group.

Higher value of cutting speed is used for finishing applications or for lower hardness (machinability) within group.

Above parameters are based on ideal conditions. For smaller taper machining centers, please adjust parameters accordingly on diameters >1/2".

Application Data • Series 3405 3415 3425 3435 3455 3407 3417 3427 3437 3457

■ Series 3405 3415 3425 3435 3455 3407 3417 3427 3437 3457

		ap] ae:-																	
		Side Milling (A) and Slotting (B)			un	incoated TiAIN				Recommended feed per tooth (IPT = inch/th) for side milling (A). For slotting (B), reduce IPT by 20%.									
		АВ		_	Cutting Speed - vc SFM		Cutting Speed - vc SFM				D1 — Diameter								
Mate	rial			в						frac.	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	
Gro		ар	ae	ар	min		max	min		max	dec.	.3750	.5000	.6250	.7500	1.0000	1.2500	1.5000	2.0000
s	3	1.5 x D	0.1 x D	0.5 x D	50	-	80	50	-	90	IPT	.0020	.0025	.0029	.0032	.0038	.0042	.0045	.0048
•	4	1.5 x D	0.1 x D	0.4 x D	40	ı	60	50	-	90	IPT	.0018	.0023	.0026	.0029	.0035	.0038	.0041	.0044

NOTE: Side milling applications — For longest reach (L3) tools, reduce ae by 30%. Slot milling applications — For longest reach (L3) tools, reduce ap by 30%.

For cutting aluminum with high silicon, coating is recommended.

Lower value of cutting speed is used for high stock removal applications or for higher hardness (machinability) within group.

Higher value of cutting speed is used for finishing applications or for lower hardness (machinability) within group.

Above parameters are based on ideal conditions. For smaller taper machining centers, please adjust parameters accordingly on diameters >1/2".

O18 widia.com