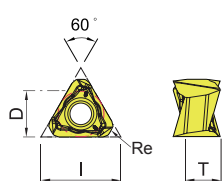


Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1	ap				
PTN10-182-S20-150	PTN10-182-A20-150	18	20	150	30	5	2	TNGX1004..	①	0.37
PTN10-202-S20-150	PTN10-202-A20-150	20					2			0.37
PTN10-203-S20-150	PTN10-203-A20-150	20					3			0.37
PTN10-212-S20-150	PTN10-212-A20-150	21	20	150	25	5	2			0.37
PTN10-213-S20-150	PTN10-213-A20-150	21					3			0.37
PTN10-254-S25-150	PTN10-254-A25-150	25	25	150	35	5	4			0.58
PTN10-264-S25-150	PTN10-264-A25-150	26					4			0.58
PTN10-325-S32-150	PTN10-325-A32-150	32	32	150	40	5	5			0.94
PTN10-325-S32-200		32		200			5			0.94
PTN10-335-S32-150	PTN10-335-A32-150	33		150			5			0.94
PTN10-355-S32-200		35		200			5			0.94
PTN16-252-S25-150T	PTN16-252-A25-150T	25	25	150	34	10	2	TNGX1606..	②	0.54
PTN16-262-S25-150T	PTN16-262-A25-150T	26					2			0.60
PTN16-323-S32-200T	PTN16-323-A32-200T	32	32	200	34	10	3		③	1.15
PTN16-333-S32-200T	PTN16-333-A32-200T	33					3			1.20

被切削材 Workpiece material	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K	●	●	
	Non-ferrous metal 非鐵金屬	N			●
	Hardened steel 高硬度材	H	●		

Insert Shape	Description	GRADE 材質			Dimensions,mm			
		Coated 塗層		Uncoated 無塗層	D	I	T	Re
		M8340	M8330	HF7				
	TNGX100416SR-M		●		6.0	10.39	4.69	1.6
	TNGX100404SR-F		●					0.4
	TNGX100404FR-FA			●				0.4
	TNGX100408FR-FA			●				0.8
	TNGX160604SR-M	●			9.525	16.5	6.58	0.4
	TNGX160608SR-F	●						0.8
	TNGX160604FR-FA			●				0.4

PTN 直角端銑刀 SHOULDER / CUTTING END MILLS (PTN)

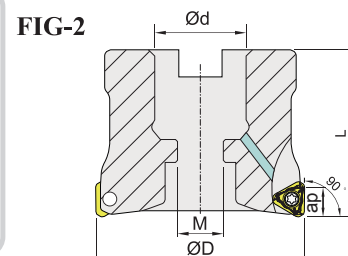
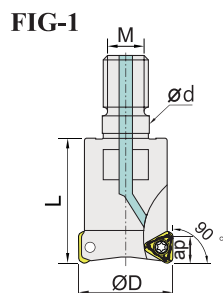
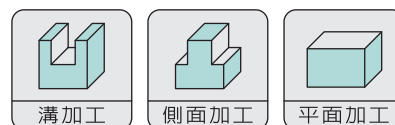


FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
PTN10-202-MD18	PTN10-202-AMD18	20	10.5	26	M10	5	2	TNGX1004..	①	0.07
PTN10-203-MD18	PTN10-203-AMD18						3			0.07
PTN10-212-MD18	PTN10-212-AMD18						2			0.07
PTN10-213-MD18	PTN10-213-AMD18	21	10.5	26	M10	5	3			0.07
PTN10-254-MD23	PTN10-254-AMD23						4			0.12
PTN10-264-MD23	PTN10-264-AMD23						4			0.12
PTN10-325-MD29	PTN10-325-AMD29	32	17	43	M16	5	5			0.26
PTN10-335-MD29	PTN10-335-AMD29	33					5			0.26

Metric

FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
PTN10-04006-16.0	PTN10-04006-A16.0	40	16.0	40	8.5	5	6	TNGX1004..	①	0.25
PTN10-05007-22.0	PTN10-05007-A22.0	50	22.0	40	11		7			0.38
PTN10-06309-22.0	PTN10-06309-A22.0	63	22.0	40	11		9			0.53
PTN10-08010-27.0	PTN10-08010-A27.0	80	27.0	50	13		10			1.20
PTN16-04004-16.0T※	PTN16-04004-A16.0T※	40	16.0	40	8.5	10	4	TNGX1606..	③	0.27
PTN16-05005-22.0T	PTN16-05005-A22.0T	50	22.0		11		5			0.51
PTN16-06306-22.0T	PTN16-06306-A22.0T	63					6			0.52
PTN16-08007-27.0T	PTN16-08007-A27.0T	80	27.0	50	13		7			1.21
PTN16-10008-32.0T		100	32.0		18		8			1.61
PTN16-12509-40.0T		125	40.0	63	22		9			3.32
PTN16-16010-40.0T		160			56.1		10			4.68

※表示另附刀把螺絲HTM838HS (※ The mill equips with a cap screw HTM838HS)

Insert	Spare parts	Screw 	Wrench
TNGX1004..	①	MS2507E	ETF08
TNGX1606..	②	MS4011Q	ETF15
TNGX1606..	③	MS4012Q	ETF15

內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS