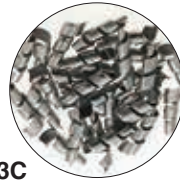


PRO-END MILL for Precision Face Milling, Right Angle Shoulder Mill & High Speed Grooving.

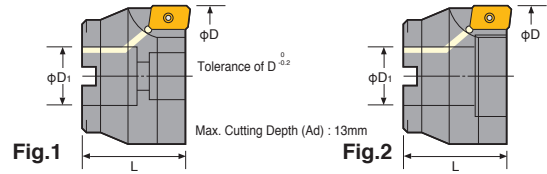


PRO-END MILL

Suitable for NIKKEN FMA/FMC Arbor.

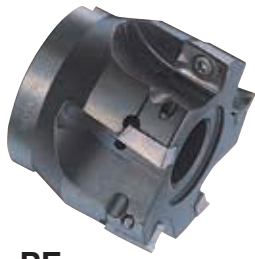


S53C



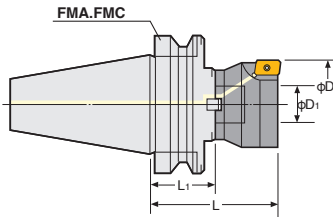
Code No.	D	D1	L	No. of Teeth	Insert Tip	Tip Clamp Bolt	Weight (kg)	Fig.
PE 50HC	50	22	45	5	Steel : 9DKT15	M 4090	0.4	1
PE 60HC	60	25.4	45	5			0.6	
PE 80HC	80	25.4	45	6	Aluminium, Cast Iron : 9DKR15	M 4012	0.8	2
PE100HC	100	31.75	50	6			1.6	

- ★Insert Clamp Bolt & Wrench are supplied as standard. ★Insert Tip is available as an option.
- ★Suitable for Face Mill Arbor FMA & FMC.
- ★Please add "C" after FMA/FMC for Centre Through Tool Coolant type. e.g. BT40-FMC22C-45
- ★The Lock Bolt is not supplied for PE50HC. Please use the bolt (M10x30) attached to FMC22.
- ★The Lock Bolt is supplied for PE60HC~PE100HC as standard.
- PE60HC: M12x35 PE80HC: 9PEM12-50 PE100HC: 9PEM16-55



PE

BT (IT) Shank Arbor for PRO-END MILL



TAPER	PRO-END MILL	PRO-END MILL Arbor	L	L ₁	D	D ₁
No.40	PE50HC	BT40-FMC22 -45,-90	90,135	45,90	50	22
	PE60HC, PE80HC	(IT40)-FMA25.4 -45,-90			60,80	25.4
	PE100HC	-FMA31.75-45,-75	95,125	45,75	100	31.75
No.50	PE50HC	BT50-FMC22 -60,-105	105,150	60,105	50	22
	PE60HC, PE80HC	(IT50)-FMA25.4 -45,-90	90,135	45,90	60,80	25.4
	PE100HC	-FMA31.75-45,-75	95,125	45,75	100	31.75

- ★Please add "C" after FMA/FMC for Centre Through Coolant type. e.g. BT40-FMC22C-45
- ★Please refer P.131 for FMC Arbor, FMA Arbor.

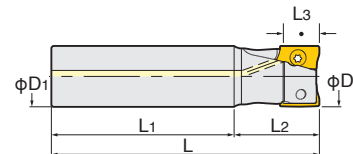
Code No.	Dimension	Grade	Material	Pro-END MILL	ISO Code No.	Tip Clamp Bolt	Tip Clamp Wrench
9DKT12		IC50M	Steel, Cast Iron	S20-PE22	APKT1203	M 3070	T-10
9DKT15			Steel	Except S20-PE22	ADKT1505	M 4090*1	PE-T15
9DKR15		IC28	Aluminum, Cast Iron		ADKR1505	M 4012	

- ★Please ask us if you require any other type of insert grade e.g. Coated, Cermet etc. For Heavy Cutting on Cast Iron, insert grade of IC520M is suitable.
- ★Purchase of Insert : box each (10 pcs.) ★*1 Please note there are two different kinds of Tip Clamp Bolts.

Straight Shank PRO-END MILL



S-MDPE



Code No.	φD	D1	L	L ₁	L ₂	MAX. Cutting Depth L ₃	No. of Teeth	Insert Code No.	Tip Clamp Bolt	Tip Clamp Wrench	Weight (Kg)
S16-MDPE16-90	16	16	90	60	30	10	2	AOMT123608PEER-M	TPS-25	TIP07F	0.2
S20-MDPE20-100	20	20	100	70			3				0.2
S25-MDPE25-110	25	25	110	75	40	15	2	AOMT184808PEER-M	TPS-4	TIP15W	0.4
S32-MDPE32-120	32	32	120	80			3				0.7

- ★2 tip clamp bolts and tip clamp wrench are supplied as standard. ★Please refer P.270 for cutting condition.
- ★Insert tip is available as an option. P.213
- ★Coolant through tool is available as a standard for all series.