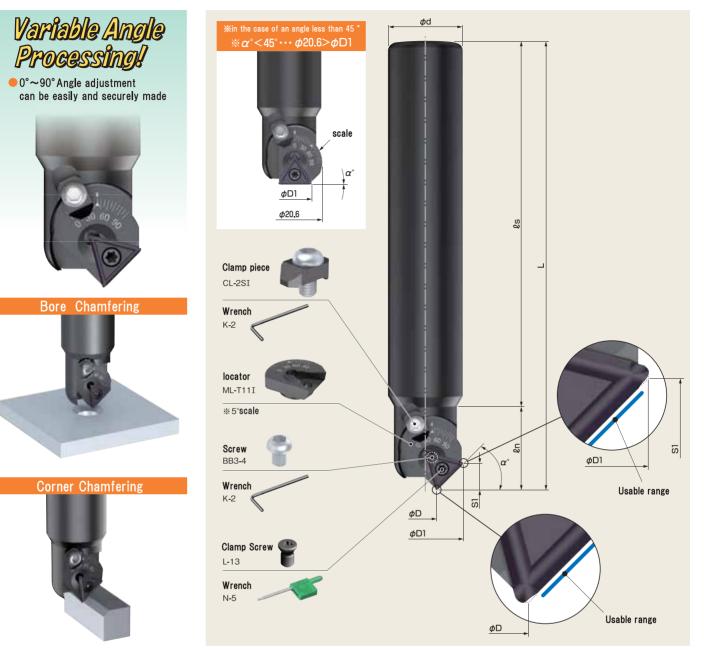
Chamfering Series

Multi-Angle Mini



Body

			Dimensions (mm)					
Model, No.	blades	φD	<i>φ</i> D1	ød	SI	L **1	ls	l n %3
MAM20-19TI	1	*2	*2	20	*2	(120)	97.1	(22.6)

Insert is not equipped as standard accessory. Please purchase it separately
 Clamp screw, screw, wrench and locator are supplied as standard accessories

*1... Dimensions vary depending on the angle.
*2... Please refer to angle dimension table (P-34)
*3... It is the dimension when the scale is set to 45 degrees.

Insert

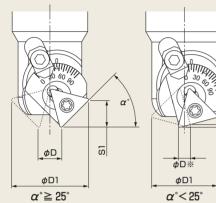
Figure	Model.No.	Material	Blade Shape	Coating	Usable corner	Quantity per box
60° (TPETII0204) H0.4 R0.4 R0.4 R0.4	TPET110204 ZA10N	Carbide K10	Sharp edge	None	3	3
φ6.35 Φ6.35	TPET110204 AC15N	Fine particles Carbide	Honing edge	AICrN	3	3

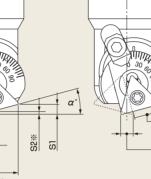
Blade

Cutting Conditions

TPET110204								
	Material Model	ZA10N	AC15N					
Material	Feed per blade (fz)	Cutting speed (m/min)						
General steel	0.05~0.15		100~150					
Alloy steel	0.05~0.15		100~150					
Stainless steel	0.05~0.15		80~120					
Aluminum, resin,brass	0.08~0.2	150~400						
Cast steel	0.05~0.15		100~150					

Coolant will be recommended





X	
30 80 8 8	
<i>φ</i> D~ <i>φ</i> D1	
Usable range	1
	_

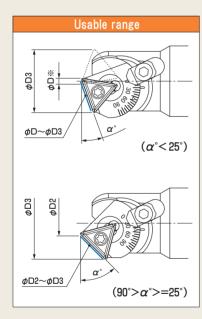
Processing Example

[C3 Chamfering]



Angle Dimension Table 1										
	Dimensions (mm)									
Angle		range ∽φD3	<i>φ</i> D1	S1	S2%	٤n	L			
α°	¢D%	¢D3								
5°	φ5.64	φ13.46	φ15.11	0.87	0.46	21.50	118.60			
10°	φ4.41	φ14.55	φ16.12	1.73	0.70	21.84	118.94			
15°	φ3.13	φ15.56	φ17.04	2.58	0.72	22.13	119.23			
20°	φ1.79	φ16.48	φ17.87	3.41	0.48	22.35	119.45			

Please note the blade back interference in the case of an angle less than 25 $^\circ$



Angle Dimension Table 2									
Dimensions (m)									
α°	φD	¢D1	Usable range	¢D2∼¢D3	SI	٤n	L		
u			<i>φ</i> D2	<i>ф</i> D3					
0°	φ6.81	φ14.01	<i>φ</i> 6.81	φ12.29	-	21.10	118.20		
25°	φ0.55	φ18.60	φ1.55	φ17.3	4.21	22.53	119.63		
30°	φ1.98	φ19.21	φ2.96	φ18.01	4.98	22.64	119.74		
35°	φ3.42	φ19.72	φ4.38	φ18.62	5.71	22.69	119.79		
40°	φ4.87	φ20.11	φ5.8	φ19.11	6.39	22.67	119.77		
45°	φ6.31	φ20.37	φ7.2	φ19.48	7.03	22.60	119.70		
50°	φ7.73	φ20.52	φ8.57	φ19.74	7.62	22.47	119.57		
55°	φ9.13	φ20.54	φ9.9	φ19.87	8.15	22.27	119.37		
60°	φ10.49	φ20.44	φ11.18	φ19.87	8.62	22.02	119.12		
65°	φ11.81	φ20.22	φ12.41	φ19.76	9.02	21.71	118.81		
70°	φ13.06	φ19.88	φ13.57	φ19.52	9.36	21.35	118.45		
75°	φ14.26	φ19.42	φ14.66	φ19.15	9.63	20.94	118.04		
80°	φ15.38	φ18.85	φ15.66	φ18.67	9.83	20.47	117.57		
85°	φ16.42	φ18.16	φ16.57	φ18.08	9.96	19.97	117.07		
90°	_	φ17.38	_	φ17.38	10.01	19.42	116.52		

