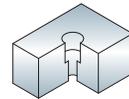
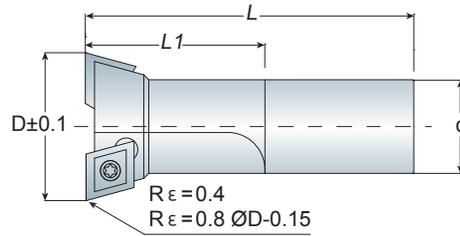


Fixed Rough Boring Bar

固定式粗搪刀桿

TB

BT / NT series



Boring/孔加工

TB	Model No.	L	Dimension			Teeth	Insert 						
									D R ϵ =0.4	d	L1		
12	TB12-S16-120		TB12-S16-160		TB12-S16-200				11.8			1	
13	TB13-S16-120	120	TB13-S16-160	160	TB13-S16-200	200			12.8	16	30		
14	TB14-S16-120		TB14-S16-160		TB14-S16-200				13.8				
15	TB15-S16-120		TB15-S16-160		TB15-S16-200				14.8				
16	TB16-S16-120		TB16-S16-160		TB16-S16-200				15.8				
17	TB17-S16-120		TB17-S16-160		TB17-S16-200				16.8			2	CC..060204
18	TB18-S16-120		TB18-S16-160		TB18-S16-200		TB18-S16-250		17.8				
19	TB19-S16-120	120	TB19-S16-160	160	TB19-S16-200	200	TB19-S16-250	250	18.8	16	30		
20	TB20-S16-120		TB20-S16-160		TB20-S16-200		TB20-S16-250		19.8				
21	TB21-S16-120		TB21-S16-160		TB21-S16-200		TB21-S16-250		20.8				
22	TB22-S16-120		TB22-S16-160		TB22-S16-200		TB22-S16-250		21.8				
23	TB23-S20-130		TB23-S20-160		TB23-S20-200		TB23-S20-250		22.8			2	
24	TB24-S20-130	130	TB24-S20-160	160	TB24-S20-200	200	TB24-S20-250	250	23.8	20	30		
25	TB25-S20-130		TB25-S20-160		TB25-S20-200		TB25-S20-250		24.8				
26	TB26-S20-130		TB26-S20-160		TB26-S20-200		TB26-S20-250		25.8				
27	TB27-S20-130	130	TB27-S20-160	160	TB27-S20-200	200	TB27-S20-250	250	26.8	20	30		
28	TB28-S20-130		TB28-S20-160		TB28-S20-200		TB28-S20-250		27.8			2	
29	TB29-S20-130		TB29-S20-160		TB29-S20-200		TB29-S20-250		28.8				
30	TB30-S25-160		TB30-S25-200		TB30-S25-250		TB30-S25-300		29.8				
31	TB31-S25-160		TB31-S25-200		TB31-S25-250		TB31-S25-300		30.8				
32	TB32-S25-160		TB32-S25-200		TB32-S25-250		TB32-S25-300		31.8				
33	TB33-S25-160		TB33-S25-200		TB33-S25-250		TB33-S25-300		32.8				
34	TB34-S25-160		TB34-S25-200		TB34-S25-250		TB34-S25-300		33.8				
35	TB35-S25-160	160	TB35-S25-200	200	TB35-S25-250	250	TB35-S25-300	300	34.8	25	40	2	
36	TB36-S25-160		TB36-S25-200		TB36-S25-250		TB36-S25-300		35.8				
37	TB37-S25-160		TB37-S25-200		TB37-S25-250		TB37-S25-300		36.8				
38	TB38-S25-160		TB38-S25-200		TB38-S25-250		TB38-S25-300		37.8				
39	TB39-S25-160		TB39-S25-200		TB39-S25-250		TB39-S25-300		38.8				
40	TB40-S25-160		TB40-S25-200		TB40-S25-250		TB40-S25-300		39.8				
41	TB41-S32-200		TB41-S32-250		TB41-S32-300		TB41-S32-300		40.8			2	CC..09T304
42	TB42-S32-200		TB42-S32-250		TB42-S32-300				41.8				
43	TB43-S32-200		TB43-S32-250		TB43-S32-300				42.8				
44	TB44-S32-200		TB44-S32-250		TB44-S32-300				43.8				
45	TB45-S32-200	200	TB45-S32-250	250	TB45-S32-300	300		350	44.8	32	45		
46	TB46-S32-200		TB46-S32-250		TB46-S32-300				45.8				
47	TB47-S32-200		TB47-S32-250		TB47-S32-300				46.8				
48	TB48-S32-200		TB48-S32-250		TB48-S32-300				47.8				
49	TB49-S32-200		TB49-S32-250		TB49-S32-300				48.8				
50	TB50-S32-200		TB50-S32-250		TB50-S32-300				49.8				
51	TB51-S32-200		TB51-S32-250		TB51-S32-300				50.8			2	
52	TB52-S32-200		TB52-S32-250		TB52-S32-300				51.8				
53	TB53-S32-200		TB53-S32-250		TB53-S32-300				52.8				
54	TB54-S32-200	200	TB54-S32-250	250	TB54-S32-300	300			53.8	32	45		
55	TB55-S32-200		TB55-S32-250		TB55-S32-300				54.8				
56	TB56-S32-200		TB56-S32-250		TB56-S32-300				55.8				
57	TB57-S32-200		TB57-S32-250		TB57-S32-300				56.8				

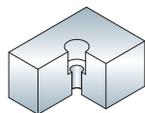
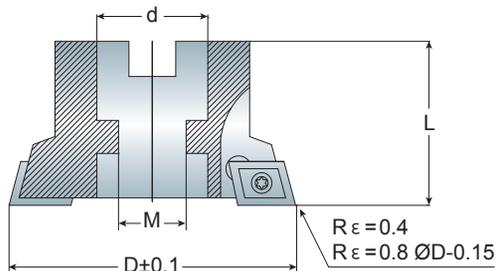
Unit: mm

BT / NT
series

TB

Fixed Rough Boring Bar

固定式粗搪刀桿



Boring/孔加工



TB	Model No. (d=22.0)	Model No. (d=25.4)	Insert 	Model No. (d=22.0 / 25.4)	Insert 	D Rε = 0.4	Teeth
45	TB45-22.0-CC09					44.8	2
46	TB46-22.0-CC09					45.8	
47	TB47-22.0-CC09		CC..09T304		CC..120404	46.8	
48	TB48-22.0-CC09					47.8	
50	TB50-22.0-CC09	TB50-25.4-CC09				49.8	2
51	TB51-22.0-CC09	TB51-25.4-CC09				50.8	
52	TB52-22.0-CC09	TB52-25.4-CC09				51.8	
55	TB55-22.0-CC09	TB55-25.4-CC09	CC..09T304	TB55-22.0-CC12	CC..120404	54.8	
57	TB57-22.0-CC09	TB57-25.4-CC09		TB57-22.0-CC12		56.8	2
59	TB59-22.0-CC09	TB59-25.4-CC09		TB59-22.0-CC12		58.8	
60	TB60-22.0-CC09	TB60-25.4-CC09		TB60-22.0-CC12		59.8	
62	TB62-22.0-CC09	TB62-25.4-CC09		TB62-25.4-CC12		61.8	
63	TB63-22.0-CC09	TB63-25.4-CC09	CC..09T304	TB63-25.4-CC12	CC..120404	62.8	2
65	TB65-22.0-CC09	TB65-25.4-CC09		TB65-25.4-CC12		64.8	
66	TB66-22.0-CC09	TB66-25.4-CC09		TB66-25.4-CC12		65.8	
68	TB68-22.0-CC09	TB68-25.4-CC09		TB68-25.4-CC12		67.8	
69	TB69-22.0-CC09	TB69-25.4-CC09		TB69-25.4-CC12		68.8	2
70	TB70-22.0-CC09	TB70-25.4-CC09	CC..09T304	TB70-25.4-CC12	CC..120404	69.8	
72	TB72-22.0-CC09	TB72-25.4-CC09		TB72-25.4-CC12		71.8	
74		TB74-25.4-CC09		TB74-25.4-CC12		73.8	
75	TB75-22.0-CC09	TB75-25.4-CC09		TB75-25.4-CC12		74.8	2
76		TB76-25.4-CC09		TB76-25.4-CC12		75.8	
78		TB78-25.4-CC09	CC..09T304	TB78-25.4-CC12	CC..120404	77.8	
80		TB80-25.4-CC09		TB80-25.4-CC12		79.8	
82		TB82-25.4-CC09		TB82-25.4-CC12		81.8	2
84		TB84-25.4-CC09		TB84-25.4-CC12		83.8	
85		TB85-25.4-CC09		TB85-25.4-CC12		84.8	
88		TB88-25.4-CC09	CC..09T304	TB88-25.4-CC12	CC..120404	87.8	
90		TB90-25.4-CC09		TB90-25.4-CC12		89.8	2
95		TB95-25.4-CC09		TB95-25.4-CC12		94.8	

Features

- For working material, the inserts divide the most common used 3 types: 1. IRON: KC850, 2. CAST IRON: KC5010, 3. ALUM: KC313
- When ordering, please specify the material code. For example: CCMT120404 KC850
- 依加工材質，刀片可區分為三種：1. 鐵：KC850，2. 鑄鐵：KC5010，3. 鋁：KC313
- 訂購時，請註明材質編號 例：CCMT120404 KC850



P247
Torque wrench

Insert 	Screw 	Wrench 
CCMT060204	MS2506A	T9
CCMT09T304	MS4011A	T15
CCMT120404	MS5011A	T20

Dimension	d	M	L
TB...-22.0-...	22.0	11	50
TB...-25.4-...	25.4	13	50

Unit: mm