
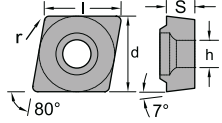




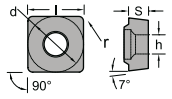




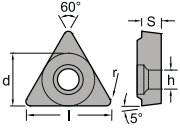

Indexable Boring Tools

Features

- Easy to adjust
- High rigidity tool body
- Various inserts available
- Diameter 25mm to 610mm
- 易於調整加工孔徑
- 高剛性合金鋼本體
- 可適用多種刀片
- 適用 25-610mm 孔徑加工

Inserts	Item No.	Grade No.					Dimensions (mm)					Drawing
		CX2545	CX2555	CX2560			d	l	S	r	h	
	CCMT 060204-MP		✓	✓			6.35	6.4	2.38	0.4	2.8	
	09T304-MP		✓	✓			9.53	9.7	3.97	0.4	4.4	
	09T308-MP		✓	✓			9.53	9.7	3.97	0.8	4.4	
	CCMT 060202-MG		✓	✓			6.35	6.4	2.38	0.4	2.8	
	060204-MG	✓	✓	✓			6.35	6.4	2.38	0.4	2.8	
	09T304-MG	✓	✓	✓			9.53	9.7	3.97	0.4	4.4	
	09T308-MG	✓	✓	✓			9.53	9.7	3.97	0.8	4.4	
	120408-MG	✓	✓	✓			12.7	12.9	4.76	0.8	5.5	

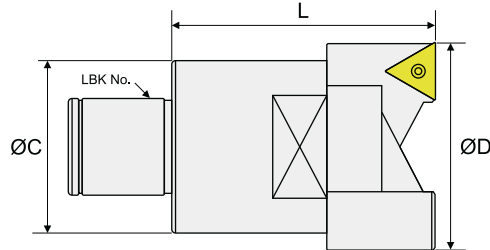
Inserts	Item No.	Grade No.					Dimensions (mm)					Drawing
		CX2545	CX2555	CX2560			d	l	S	r	h	
	SCMT 09T304-MP		✓	✓			9.53	9.53	3.97	0.4	4.4	
	SCMT 09T304-MG	✓	✓	✓			9.53	9.53	3.97	0.4	4.4	
	09T308-MG	✓	✓	✓			9.53	9.53	3.97	0.8	4.4	

Inserts	Item No.	Grade No.					Dimensions (mm)					Drawing
		CX2545	CX2555	CX2560			d	l	S	r	h	
	TCMT 110204-MP		✓	✓			6.35	11.0	2.38	0.4	2.8	
	TCMT 110204-MG	✓	✓	✓		6.35	11.0	2.38	0.4	2.8		
	16T304-MG	✓	✓	✓		9.53	16.5	3.97	0.4	4.4		
	16T308-MG	✓	✓	✓		9.53	16.5	3.97	0.8	4.4		

DB Rough Boring Head

雙刃粗搪刀

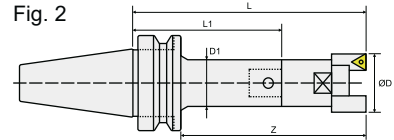
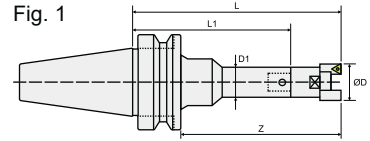
- Adjustable twin boring arm system for variety situation of rough boring.
- Reliable cartridge system provides high rigidity and efficiency.
- Step boring arm design, suitable for single bit boring, twin bit boring, and step boring.
- Side division easy to adjust tool extended without pre-setter.
- Boring diameter from 25mm to 204mm.



Indexable Boring Tools

	Order No. 訂購編碼	LBK No.	Boring Range ØD (mm)	L (mm)	C (mm)	Insert	Weight (kg)
	IDB2533C	IDB2	25 ~ 33	45	24	CCMT060204	0.15
	IDB3242C	IDB3	32 ~ 42	55	31	CCMT060204	0.3
	IDB3242T					TCMT110204	
	IDB4055C	IDB4	40 ~ 55	65	39	CCMT09T304	0.5
	IDB4055T					TCMT16T304	
	IDB4055S					SCMT09T304	
	IDB5270C	IDB5	52 ~ 70	75	50	CCMT09T304	1.0
	IDB5270T					TCMT16T304	
	IDB5270S					SCMT09T304	
	IDB6892C	IDB6	68 ~ 92	85	64	CCMT120408	2.0
	IDB6892T					TCMT16T304	
	IDB6892S					SCMT09T304	
IDB90122C			90 ~ 122	100	80	CCMT120408	2.9
	IDB120164C	IDB20	120 ~ 164	100	100	CCMT120408	3.8
	IDB160204C		160 ~ 204	130	130	CCMT120408	4.8

Cutting conditions (切削條件數據表) : Page IB037



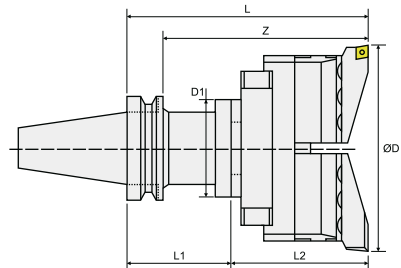
Order No. 訂購編碼	Type	ØD (mm)	Z (mm)	Tool Connection		LBK No.	L (mm)	L1 (mm)	D1 (mm)	Weight (kg)
				IDB Shank Type	Boring Head Type					
IDBBT3025125	Fig. 2	25 ~ 33	95	IDBBT30280	IDB2533	IDB2	125	80	24	0.8
IDBBT3032135		32 ~ 42	105	IDBBT30380	IDB3242	IDB3	135		31	1.0
IDBBT3040135		40 ~ 55		IDBBT30470	IDB4055	IDB4		39	1.3	
IDBBT3052135		52 ~ 70		IDBBT30560	IDB5270	IDB5		50	1.8	
IDBBT3068145		68 ~ 92	115	IDBBT30660	IDB6892	IDB6	145	60	64	3.0
IDBBT3090160		90 ~ 122	130		IDB90122		160	64	3.9	
IDBBT4025130		25 ~ 33	95	IDBBT40285	IDB2533	IDB2	130	85	24	1.3
IDBBT4032150		32 ~ 42	115	IDBBT40395	IDB3242	IDB3	150	95	31	1.5
IDBBT4040150		40 ~ 55		IDBBT40485	IDB4055	IDB4		85	39	1.8
IDBBT4052150		52 ~ 70		IDBBT40575	IDB5270	IDB5		75	50	2.3
IDBBT4068150		68 ~ 92		IDBBT40665	IDB6892	IDB6		65	64	3.3
IDBBT4090165		90 ~ 122			IDB90122			70	95	4.2
IDBBT40120165		120 ~ 164	130	IDBBT4012070	IDB120164	IDB120	165	70	95	7.0
IDBBT40160165		160 ~ 204	IDB160204	8.0						
IDBBT5025155		25 ~ 33	105	IDBBT502110	IDB2533	IDB2	155	110	24	4.1
IDBBT5032180		32 ~ 42	130	IDBBT503125	IDB3242	IDB3	180	125	31	4.4
IDBBT5040180	40 ~ 55	IDBBT504115		IDB4055	IDB4	115		39	4.8	
IDBBT5040240	190	IDBBT504175		240	175	5.3				
IDBBT5052180	52 ~ 70	130	IDBBT505105	IDB5270	IDB5	180	105	50	5.5	
IDBBT5052255		205	IDBBT505180			255	180		6.5	
IDBBT5052315		265	IDBBT505240			315	240		7.2	
IDBBT5068180	68 ~ 92	130	IDBBT50695	IDB6892	IDB6	180	105	64	6.5	
IDBBT5068255		205	IDBBT506170			255	180		8.3	
IDBBT5068315		265	IDBBT506230			315	240		9.6	
IDBBT5068375		325	IDBBT506290			375	290		11.0	
IDBBT5068435		385	IDBBT506350			435	350		15.5	
IDBBT5090195		145	IDBBT50695			195	95		7.4	
IDBBT5090270		220	IDBBT506170			270	170		9.2	
IDBBT5090330	280	IDBBT506230	330	230	10.5					
IDBBT5090390	340	IDBBT506290	390	290	11.9					
IDBBT5090450	400	IDBBT506350	450	350	16.4					
IDBBT50120195	Fig. 2	150	IDBBT50120100	IDB120164	IDB120	195	100	95	8.8	
IDBBT50120295		250	IDBBT50200			295	200		11.3	
IDBBT50120395		350	IDBBT50300			395	300		13.8	
IDBBT50120495		450	IDBBT50400			495	400		16.3	
IDBBT50160195		150	IDBBT50100			195	100		9.8	
IDBBT50160295		250	IDBBT50200			295	200		12.3	
IDBBT50160395		350	IDBBT50300			395	300		14.8	
IDBBT50160495		450	IDBBT50400			450	400		17.3	

- Optional accessories for different boring work and working diameter.
- Reliable cartridge system provides high rigidity and efficiency.
- Alloy steel body provides great rigidity to large size rough boring.
- Variable inserts for different material of rough boring.
- Boring diameter from 200mm to 610mm.



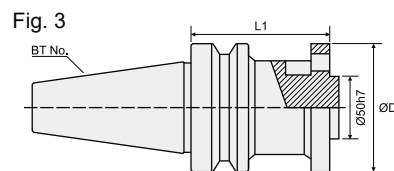
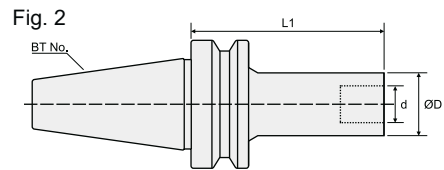
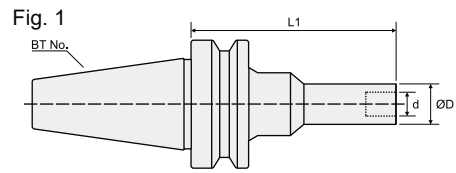
Boring Head	Order No. 訂購編碼	IDBLA200	IDBLA300	IDBLA400	IDBLA500	
	Length (mm)	130				
	Total Weight (kg)	9.5	11.5	13.5	15.5	
Module	Boring Range (mm)	200 ~ 310	300 ~ 410	400 ~ 510	500 ~ 610	
	Shank		IDB-BT50-120-165			
	Flange		BR200			
	Weight (kg)		2.7			
	Extension Slide		RST200	RST300	RST400	RST500
	Weight (kg)		3.4	5.4	7.4	9.4
	Clamp Base		RS200			
	Weight (kg)		0.98			
	Height Setting Shim		RS201			
	Weight (kg)		0.05			
	Insert Height		RB200C12, RB200T16			
	Insert		CCMT1204..., TCMT16T3...			
	Weight (kg)		0.68			

Cutting conditions (切削條件數據表) : Page IB037



Order No. 訂購編碼	Boring Range ØD(mm)	Z (mm)	Shank Type	Boring Head Type	LNK No.	L (mm)	L1 (mm)	D1 (mm)	Weight
IDBLABT50200230	200 ~ 310	185	IDBBT50120100	IDBLA200	IDB120	230	100	95	18
IDBLABT50200330		285	IDBBT50120200			330	200		19
IDBLABT50200430		385	IDBBT50120300			430	300		23
IDBLABT50200530		485	IDBBT50120400			530	400		27
IDBLABT50300230	300 ~ 410	185	IDBBT50120100	IDBLA300		230	100		20
IDBLABT50300330		285	IDBBT50120200			330	200		21
IDBLABT50300430		385	IDBBT50120300			430	300		25
IDBLABT50300530		485	IDBBT50120400			530	400		29
IDBLABT50400230	400 ~ 510	185	IDBBT50120100	IDBLA400		230	100		22
IDBLABT50400330		285	IDBBT50120200			330	200		23
IDBLABT50400430		385	IDBBT50120300			430	300		27
IDBLABT50400530		485	IDBBT50120400			530	400		31
IDBLABT50500230	500 ~ 610	185	IDBBT50120100	IDBLA500		230	100		24
IDBLABT50500330		285	IDBBT50120200			330	200		25
IDBLABT50500430		385	IDBBT50120300			430	300		29
IDBLABT50500530		485	IDBBT50120400			530	400		33

Cutting conditions (切削條件數據表) : Page IB037



Indexable Boring Tools

Order No. 訂購編碼	Type	OAL with boring head (L) (mm)	L1 (mm)	ØD (mm)	Weight
IDBBT301105	Fig. 2	105	70	19	0.70
IDBBT302120		120	80	24	0.80
IDBBT303120		120	80	31	0.90
IDBBT304120		120	70	39	1.00
IDBBT305120		120	60	50	1.10
IDBBT306130		130	60	64	1.20
IDBBT401110		110	75	19	1.20
IDBBT402125		125	85	24	1.30
IDBBT403135		135	95	31	1.45
IDBBT404135		135	85	39	1.50
IDBBT405135		135	75	50	1.40
IDBBT406135		135	65	64	2.15
IDBBT501150	Fig. 1	150	115	19	3.50
IDBBT502150	Fig. 2	155	110	24	4.20
IDBBT503165		165	125	31	4.40
IDBBT504165		165	115	39	4.80
IDBBT504225		225	175	39	5.20
IDBBT505165		165	105	50	5.90
IDBBT505240		240	180	50	6.50
IDBBT505300		300	240	50	6.90
IDBBT506165		165	95	64	4.09
IDBBT506240		240	170	64	6.15
IDBBT506300		300	230	64	7.74
IDBBT506360	Fig. 1	290	290	64	9.07
IDBBT506420	Fig. 2	420	350	90	13.51
IDBBT40120200	Fig. 3	170	70	95	3.20
IDBBT50120230		205	105	95	5.71
IDBBT50120330		300	200	95	8.79
IDBBT50120430		400	300	95	11.25
IDBBT50120530		530	430	95	13.74

DB Series (Boring Tools)

Work Material		Hardness	Cutting Speed (m/min)	Feed (mm/rev)
P	Mild Steel	(<180HB)	90~200	0.04~0.14
	Carbon Steel	(180~280HB)	60~180	0.04~0.15
	Alloy Steel	(280~350HB)	50~150	0.04~0.15
M	Stainless Steel	(<200HB)	60~230	0.07~0.12
K	Cast Iron	(<350Mpa)	120~230	0.04~0.13
	Ductile Cast Iron	(<450Mpa)	120~230	0.04~0.13
N	Aluminum <12% Si	-	120~700	0.04~0.25
	Aluminum >12% Si	-	120~700	0.04~0.25
S	Heat Resistant Alloy	-	20~80	0.04~0.05
H	Hardened Material	-	20~70	0.04~0.05