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Modular Boring System

2025



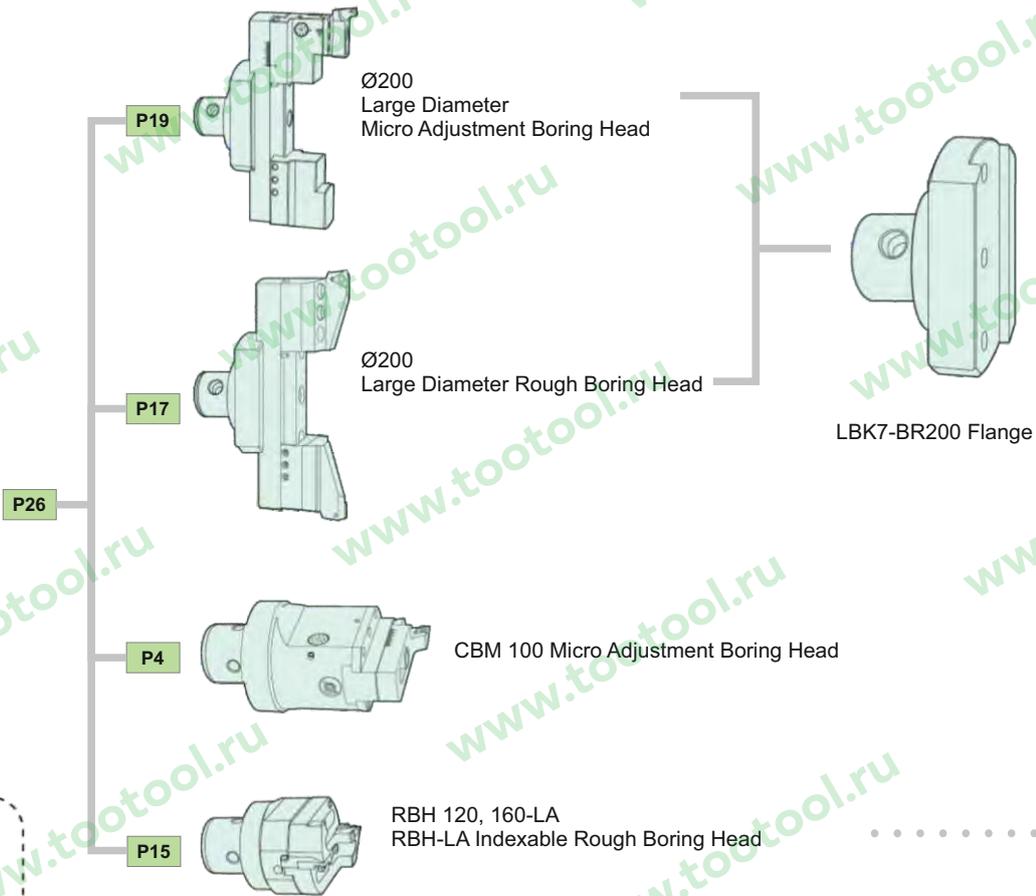
METOMET

LBK/CBM series

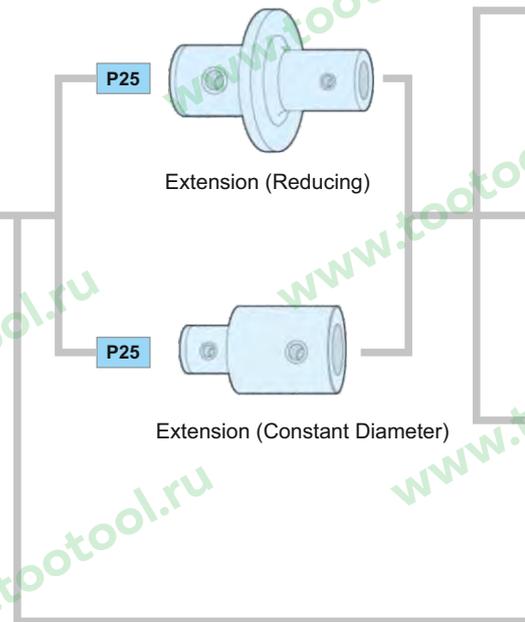
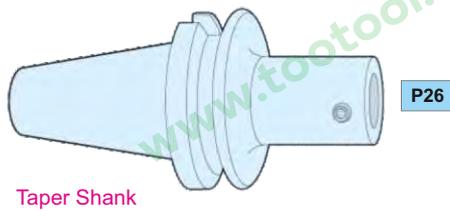
LBK7 LBK7 Boring System

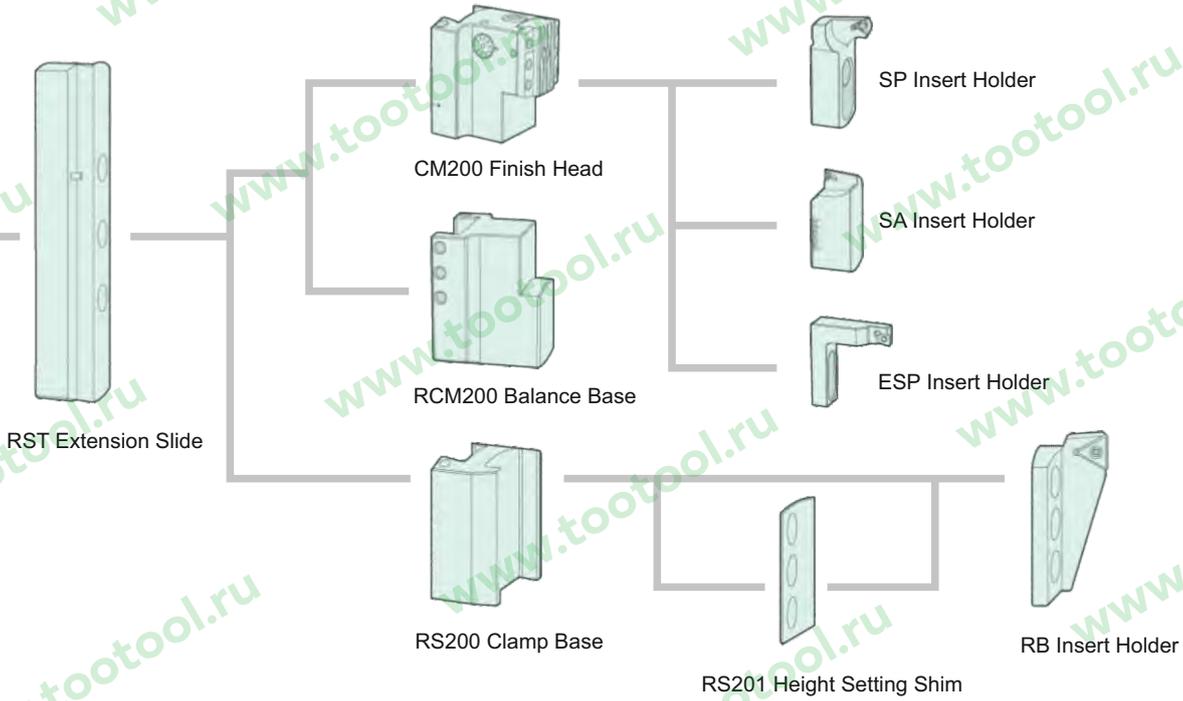


LBK7 Taper Shank

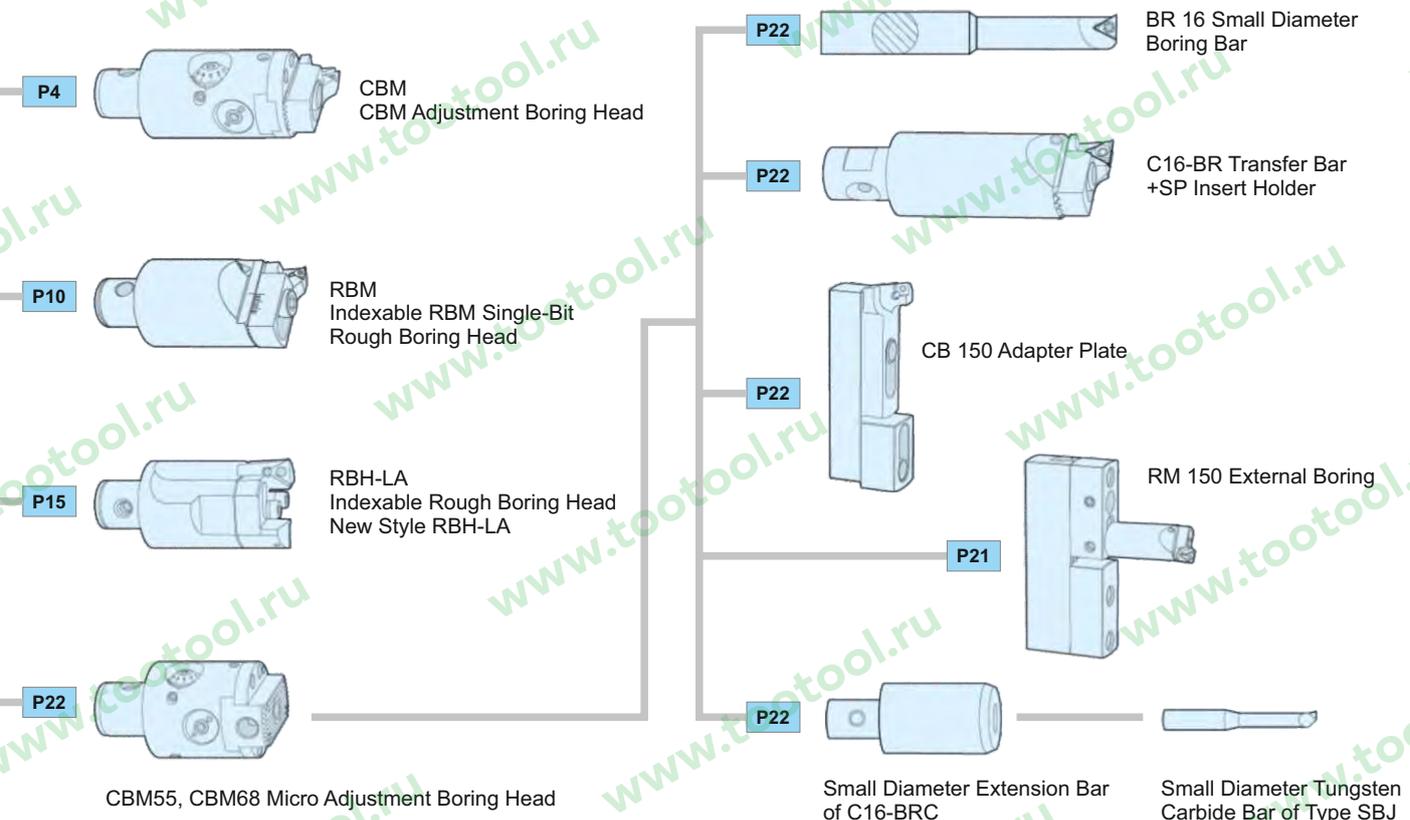


CBM CBM Boring System





BORING CUTTER SYSTEM



CBM

CBM Micro Adjustment Boring Head and Insert Holder

(Forward Boring Range from $\varnothing 18$ - $\varnothing 204$ mm, Reverse Boring Range from $\varnothing 20$ - $\varnothing 214$ mm)

FEATURES

1. CBM Micro adjustment boring head is suitable for fine boring.
2. The dial adjustment is each 0.002mm on diameter.
3. High precision internal lead screw with inner lubrication is free from the effects of chip, featuring high durability.
4. Coolant nozzle easily cools the insert elongation its working life.
5. The insert holder is fixed by toothed instruction, proving high stability and width working range.
6. Forward cutting or reverse cutting by exchange insert holder.



CBM55-SP55



CBM55-SA55

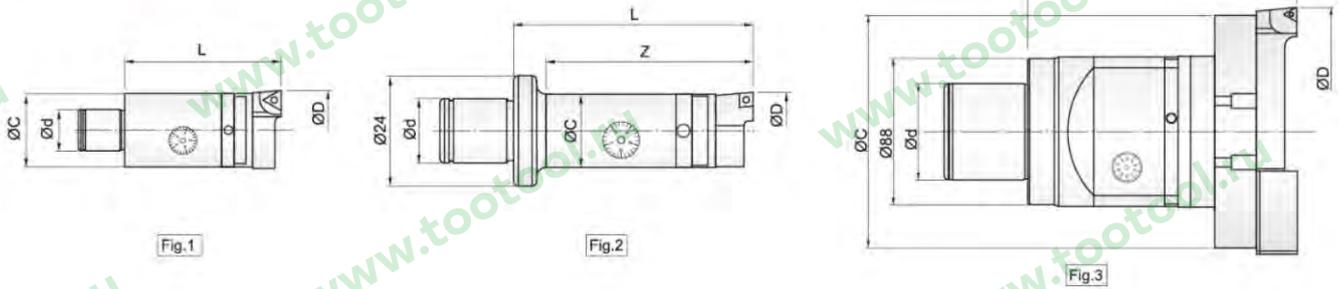


CBM100-SP100

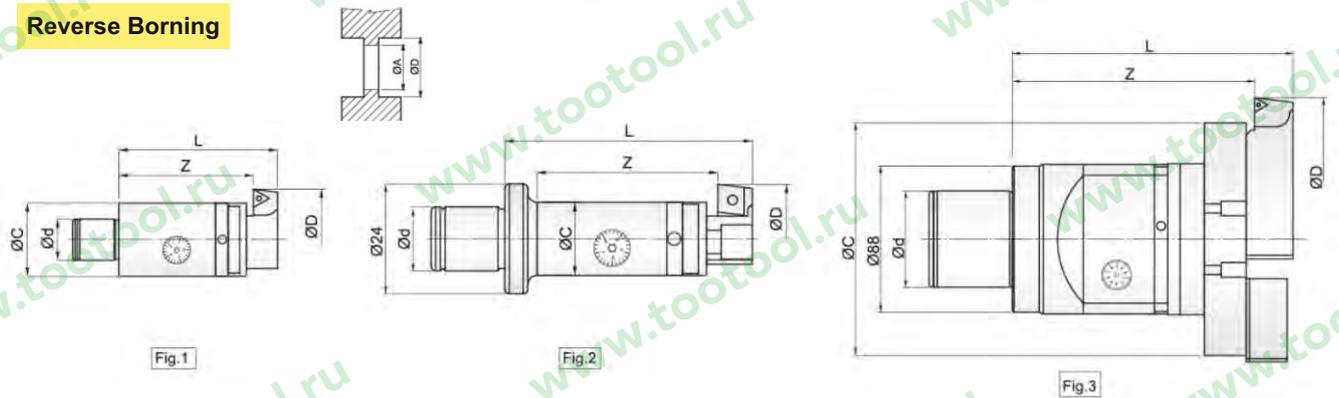


CBM68-CB150-RCM100-SP100

Forward Boring



Reverse Boring



Specifications:

Boring Head No	Fig.	LBK No.	ØC (mm)	Ød (mm)	Forward Boring			Reverse Boring				Insert/Clamp Screw/Wrench	Weight (Kg)								
					Cutting Insert Holder	ØD (mm) Boring Ranges	L (mm) Length	Cutting Insert Holder	ØD (mm) Boring Ranges	L (mm) Length	Z (mm) Length										
CBM18A	2	LBK2	16	14	SP18	18-23	60/Z50	SA18	20-25	60	40	CC06 / M2.5/ T8	0.10								
CBM18B							85/Z75			85	65		0.14								
CBM18-M10							55			55	45		0.06								
CBM22	1	LBK1	20	11	SP22	22-29	40	SA22	24-32	40	30	CC06 / M2.5 / T8	0.09								
CBM27							LBK2			25	14		SP27	27-40	50	SA27	31-41	50	40	TP09 / M2.5 / T8	0.17
CBM35																					32
CBM45	1	LBK4	40	22	SP45	45-65	80	SA45	50-65	80	70	CC09 / M4 / T15	0.71								
CBM55							LBK5			50	28		SP55	55-80	85	SA55	60-84	85	60	1.04	
													SP68	68-104	95	SA68	78-115	95	70	1.11	
	SP100	100-154	SA100	110-164	70	1.22															
CBM55	3	LBK5	140	28	CB150	150-204	120	CB150	160-214	120	95	CC09 / M4 / T15	2.13								
					RCM100	150-204	120	RCM100	160-214	120	95		2.00								
					SP100			SA100					75	2.11							
CBM68	1	LBK6	63	36	SP68	68-104	100	SA68	78-115	100	75	TP09 / M2.5 / T8	2.11								
					SP100	100-154		SA100	110-164				75	2.11							
					CBM68	3	LBK6	140	36	CB150	150-204		125	CB150	160-214	125	100	TC11 / M2.5 / T8	3.02		
RCM100	RCM100	100	3.02																		
SP100	SA100	100	3.02																		
CBM100	1	LBK7	88	58	SP100	100-154	120	SA100	110-164	120	95	CC09 / M4 / T15	2.78								
					CB150	150-204	145	CB150	160-214	145	120		2.78								
					RCM100			RCM100					120	4.50							
CBM100	3	LBK7	140	58	SP100	100-154	120	SA100	110-164	120	95	CC09 / M4 / T15	2.78								
CB150					150-204	145	CB150	160-214	145	120	2.78										
RCM100							RCM100				120		4.50								

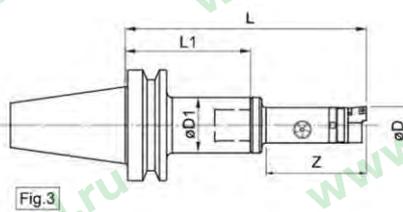
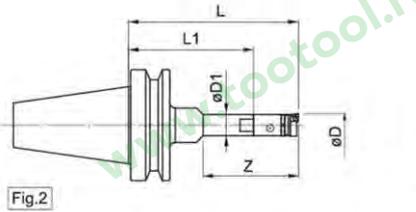
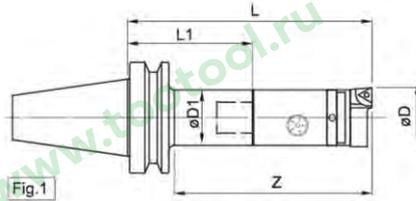
※ CB150: Adapter plate. ※ RCM100: Balance base ※ Standard parts of SP cutting insert holder for CBM boring head; option of SA reverse cutting insert holder.

※ Attached with CB200 adapter plate, working range from Ø200-Ø254 on diameter.

※ Attached with CB250 adapter plate, working range from Ø250-Ø354 on diameter.

CBM+LBK

CBM Micro Adjustment Boring Head + LBK Shank (MAS 403BT)



Tools Connection		Fig.	Boring Ranges ØD (mm)	Z (mm)	Length L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)
Type	LBK Shank							
CBM18A-SP18	BT30-LBK2-80	3	18-23	50	140	80	80	0.70
CBM18B-SP18			75	165	0.74			
CBM22-SP22	BT30-LBK1-70	1	22-29	80	110	70	19	0.59
CBM27-SP27	BT30-LBK2-80		27-40	100	130	80	24	0.77
CBM35-SP35	BT30-LBK3-80		35-50	115	145		31	1.06
CBM45-SP45	BT30-LBK4-70		45-65	120	150	70	39	1.51
CBM55-SP55	BT30-LBK5-60		55-80	115	145	60	50	1.84
CBM68-SP68	BT30-LBK6-90		68-104	130	160		64	3.00
CBM18A-SP18	BT40-LBK2-85		3	18-23	50		145	85
CBM18B-SP18		75		170	1.24			
CBM22-SP22	BT40-LBK1-75	1	22-29	80	115	75	19	1.09
	BT40-LBK1-90		95	130	90	1.26		
CBM27-SP27	BT40-LBK2-85	1	27-40	100	135	85	24	1.27
	BT40-LBK2-100		115	150	100	1.32		
CBM35-SP35	BT40-LBK3-95	1	35-50	125	160	95	31	1.56
	BT40-LBK3-125		155	190	125	1.86		
CBM45-SP45	BT40-LBK4-85	1	45-65	130	165	85	39	2.01
	BT40-LBK4-130		175	210	130	2.61		
CBM55-SP55	BT40-LBK5-75	1	55-80	125	160	75	50	2.34
	BT40-LBK5-125		175	210	125	3.34		
CBM55-SP68	BT40-LBK5-75	1	68-104	135	170	75	50	2.41
	BT40-LBK5-125		185	220	125	3.41		
CBM55-SP100	BT40-LBK5-75	1	100-154	135	170	75	50	2.52
	BT40-LBK5-125		185	220	125	3.52		
CBM55-CB150-RCM100-SP100	BT40-LBK5-75	1	150-204	160	195	75	64	3.43
	BT40-LBK5-125		210	245	125	4.43		
CBM68-SP68	BT40-LBK6-65	1	68-104	130	165	65	64	3.30
	BT40-LBK6-115		180	215	115	4.70		
	BT40-LBK6-165		230	265	165	5.90		
CBM68-SP100	BT40-LBK6-65	1	100-154	130	165	65	64	3.41
	BT40-LBK6-115		180	215	115	4.81		
	BT40-LBK6-165		230	265	165	6.01		
	BT40-LBK6-65	1	150-204	155	190	65	64	4.32
	BT40-LBK6-115		205	240	115	5.72		
	BT40-LBK6-165		255	290	165	6.92		
CBM100-SP100	BT40-LBK7-100	1	100-154	185	220	100	88	7.40
CBM100-CB150-RCM100-SP100			150-204	210	245			8.40

★ The red word is in high times depth boring, please use tip R0.2 insert for machining, also reduce speed and feed.

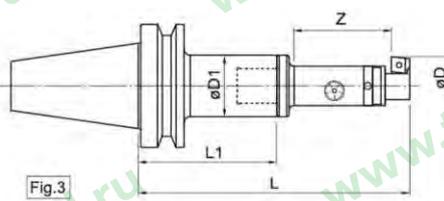
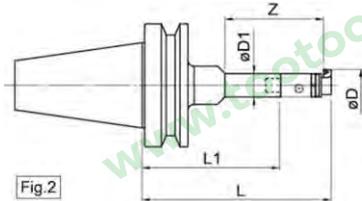
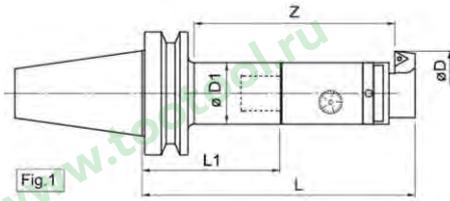
Specifications:

Tools Connection		Fig.	Boring Ranges ØD (mm)	Z (mm)	Length L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)	
Type	LBK Shank								
CBM18A-SP18	BT50-LBK2-125	3	18-23	50	185	125	39/24	4.00	
CBM18B-SP18				75	210			4.04	
CBM22-SP22	BT50-LBK1-115	2	22-29	80	155	115	31/19	4.09	
CBM27-SP27	BT50-LBK2-125			115	175			125	39/24
CBM35-SP35	BT50-LBK3-125	1	35-50	145	190	125	31	4.46	
CBM45-SP45	BT50-LBK4-115			150	195			115	39
CBM55-SP55	BT50-LBK4-145	1	45-65	180	225	145	50	5.11	
	BT50-LBK5-105			145	190			105	5.54
CBM55-SP68	BT50-LBK5-180	1	55-80	220	265	180	50	6.54	
	BT50-LBK5-105			155	200			105	5.61
CBM55-SP100	BT50-LBK5-180	1	68-104	230	275	180	50	6.61	
	BT50-LBK5-105			155	200			105	5.72
CBM55-CB150-RCM100-SP100	BT50-LBK5-180	1	100-154	230	275	180	50	6.72	
	BT50-LBK5-105			180	225			105	7.52
CBM68-SP68	BT50-LBK5-180	1	150-204	255	300	180	64	8.52	
	BT50-LBK6-95			150	195			95	6.50
	BT50-LBK6-170			225	270			170	8.30
	BT50-LBK6-230			285	330			230	9.60
	BT50-LBK6-290			345	390			290	11.00
CBM68-SP100	BT50-LBK6-350	2	<Ø90=285 >Ø90=405	450	350	90/64	15.50		
	BT50-LBK6-95	1	100-154	150	195	95	64	6.50	
	BT50-LBK6-170			225	270			170	8.30
	BT50-LBK6-230			285	330			230	9.60
	BT50-LBK6-290			345	390			290	11.0
BT50-LBK6-350	2	405	450	350	90/64	15.50			
CBM68-CB150-RCM100-SP100	BT50-LBK6-95	1	150-204	175	220	95	64	9.89	
	BT50-LBK6-170			250	295			170	11.69
	BT50-LBK6-230			310	355			230	12.99
	BT50-LBK6-290			370	415			290	14.39
	BT50-LBK6-350			2	430			475	350
CBM100-SP100	BT50-LBK7-100	1	100-154	175	220	100	88	9.30	
	BT50-LBK7-150			225	270			150	11.00
	BT50-LBK7-200			275	320			200	12.50
	BT50-LBK7-250			325	370			250	13.50
	BT50-LBK7-300			375	420			300	14.50
	BT50-LBK7-350			425	470			350	16.50
	BT50-LBK7-400			475	520			400	18.50
	BT50-LBK7-450			525	570			450	21.60
BT50-LBK7-500	575	620	500	23.20					
CBM100-CB150-RCM100-SP100	BT50-LBK7-100	1	150-204	200	245	100	88	10.30	
	BT50-LBK7-150			250	295			150	12.00
	BT50-LBK7-200			300	345			200	13.50
	BT50-LBK7-250			350	395			250	14.50
	BT50-LBK7-300			400	445			300	15.50
	BT50-LBK7-350			450	495			350	17.50
	BT50-LBK7-400			500	545			400	19.50
	BT50-LBK7-450			550	595			450	22.60
BT50-LBK7-500	600	645	500	24.20					

※ If the effective length exceed the arbor diameter (ØD1) for 5 times, need reduce the cutting speed and use the blade with corner-R=0.2 for the machining.
Or choose series of STABLELINE for machining.

CBM+LBK

CBM Micro Adjustment Boring Head + LBK Shank (MAS 403BT)



Tools Connection		Fig.	Boring Ranges ØD (mm)	Z (mm)	Length L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)
Type	LBK Shank							
CBM18A-SP18	BT30-LBK2-80	3	20-25	40	140	80	24	0.70
CBM18B-SP18			65	165	0.74			
CBM22-SP22	BT30-LBK1-70	1	24-32	70	110	70	19	0.59
CBM27-SP27	BT30-LBK2-80		31-41	90	130	80	24	0.77
CBM35-SP35	BT30-LBK3-80		38-52	100	145	70	31	1.06
CBM45-SA45	BT30-LBK4-70		50-65	110	150		39	1.51
CBM55-SA55	BT30-LBK5-60		60-84	90	145	50	1.84	
CBM68-SA68	BT30-LBK6-60		78-115	105	160	60	64	3.00
CBM18A-SA18	BT40-LBK2-85	3	20-25	40	145	85	24	1.20
CBM18B-SA18			65	170	1.24			
CBM22-SA22	BT40-LBK1-75	1	24-32	70	115	75	19	1.09
	BT40-LBK1-90		85	130	90	1.26		
CBM27-SA27	BT40-LBK2-85	1	31-41	90	135	85	24	1.27
	BT40-LBK2-100		105	150	100	1.32		
CBM35-SA35	BT40-LBK3-95	1	38-52	110	160	95	31	1.56
	BT40-LBK3-125		140	190	125	1.86		
CBM45-SA45	BT40-LBK4-85	1	50-65	120	165	85	39	2.01
	BT40-LBK4-130		165	210	130	2.61		
CBM55-SA55	BT40-LBK5-75	1	60-84	100	160	75	50	2.34
	BT40-LBK5-125		150	210	125	2.34		
CBM55SA68	BT40-LBK5-75	1	78-115	110	170	75	50	2.41
	BT40-LBK5-125		160	220	125	3.41		
CBM55-SA100	BT40-LBK5-75	1	110-164	110	170	75	50	2.52
	BT40-LBK5-125		160	220	125	3.52		
CBM55-CB150-RCM100-SA100	BT40-LBK5-75	1	160-214	135	195	75	50	3.43
	BT40-LBK5-125		185	245	125	4.43		
CBM68-SA68	BT40-LBK6-65	1	78-115	105	165	65	50	3.30
	BT40-LBK6-115		155	215	115	4.70		
	BT40-LBK6-165	205	265	165	5.90			
CBM68-SA100	BT40-LBK6-65	1	110-164	105	165	65	64	3.41
	BT40-LBK6-115		155	215	115	4.81		
	BT40-LBK6-165		205	265	165	6.01		
CBM68-CB150-RCM100-SA100	BT40-LBK6-65	1	160-214	130	190	65	64	4.32
	BT40-LBK6-115		180	240	115	5.72		
	BT40-LBK6-165		230	290	165	6.92		
CBM100-SA100	BT40-LBK7-100	1	110-164	160	220	100	88	7.40
CBM100-CB150-RCM100-SA100			160-214	185	245			8.40

★ The red font are in high times depth boring, please use tip R0.2 insert for machining, also reduce speed and feed.

Specifications:

Tools Connection		Fig.	Boring Ranges ØD (mm)	Z (mm)	Length L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)
Type	LBK Shank							
CBM18A-SP18	BT50-LBK2-125	3	20-25	40	185	125	39/24	4.00
CBM18B-SP18				65	210			4.04
CBM22-SP22	BT50-LBK1-115	2	24-32	70	155	115	31/19	4.09
CBM27-SP27	BT50-LBK2-125			105	175	125	39/24	4.07
CBM35-SP35	BT50-LBK3-125	1	38-52	130	190	125	31	4.46
CBM45-SA45	BT50-LBK4-115			140	195	115	39	5.01
CBM55-SA55	BT50-LBK4-145	50-65	170	225	145	50		5.11
	BT50-LBK5-105		120	190	105		5.54	
CBM55-SA68	BT50-LBK5-180	60-84	195	265	180	50	6.54	
	BT50-LBK5-105		130	200	105		5.61	
CBM55-SA100	BT50-LBK5-180	78-115	205	275	180	50	6.61	
	BT50-LBK5-105		130	200	105		5.72	
CBM55-CB150-RCM100-SA100	BT50-LBK5-180	110-164	205	275	180	50	6.72	
	BT50-LBK5-105		155	225	105		7.52	
CBM68-SA68	BT50-LBK6-95	1	160-214	230	300	180	64	8.52
				125	195	95		6.50
				200	270	170		8.30
				260	330	230		9.60
	BT50-LBK6-290	2	<Ø90=260 >Ø90=380	450	350	90/64	11.00	15.50
CBM68-SA100	BT50-LBK6-95	1	110-164	125	195	95	64	6.50
				200	270	170		8.30
				260	330	230		9.60
				320	390	290		11.00
	BT50-LBK6-350	2	380	450	350	90/64	15.50	
CBM68-CB150-RCM100-SA100	BT50-LBK6-95	1	160-214	150	220	95	64	9.89
				225	295	170		11.69
				280	355	230		12.99
				345	415	290		14.39
	BT50-LBK6-350	2	405	475	350	90/64	18.89	
CBM100-SA100	BT50-LBK7-100	1	110-164	150	220	100	88	9.30
				200	270	150		11.00
				250	320	200		12.50
				300	370	250		13.50
				350	420	300		14.50
				400	470	350		16.50
				450	520	400		18.50
				500	570	450		21.60
				550	620	500		23.20
CBM100-CB150-RCM100-SA100	BT50-LBK7-150	1	160-214	175	245	100	88	10.30
				225	295	150		12.00
				275	345	200		13.50
				325	395	250		14.50
				375	445	300		15.50
				425	495	350		17.50
				475	545	400		19.50
				525	595	450		22.60
				575	645	500		24.20

※ If the effective length exceed the arbor diameter (ØD1) for 5 times, need reduce the cutting speed and use the blade with corner-R=0.2 for the machining.
Or choose series of STABLELINE for machining.

RBM

Indexable RBM Single-Bit Rough Boring Head Series

(Forward Boring Range from $\varnothing 18$ - $\varnothing 204$ mm, Reverse Boring Range from $\varnothing 20$ - $\varnothing 214$ mm)

FEATURES

1. Indexable RBM single-bit rough boring head is applied to rough boring machining.
2. Built-in coolant nozzle cool the tip, good for insert's use.
3. The toothed construction of insert holder provide high stability for cutting and wide working range.
4. Exchangeable insert holder provide easy exchange of forward and reverse boring.



RBM55-SP55



RBM55-SP55

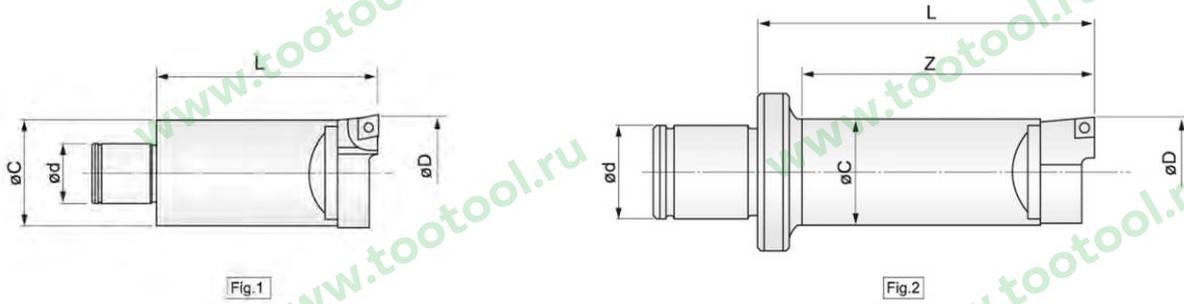


RBM18A-SP18

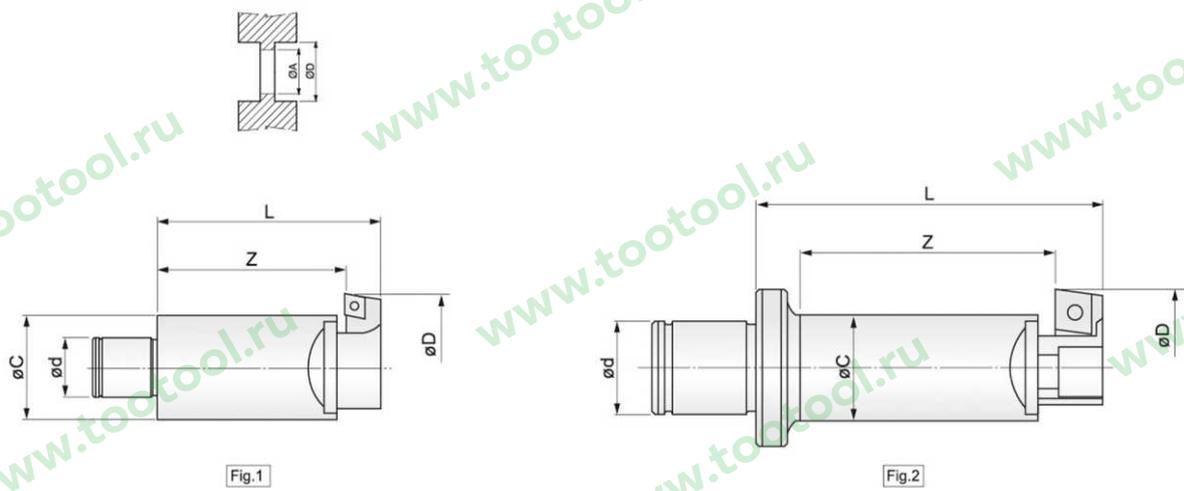


RBM68-CB150-RCM100-SP100

Forward Boring



Reverse Boring



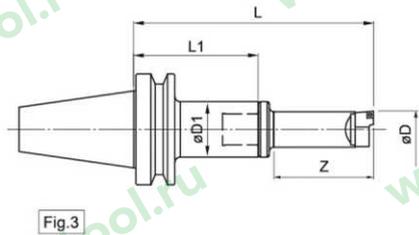
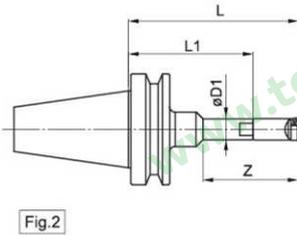
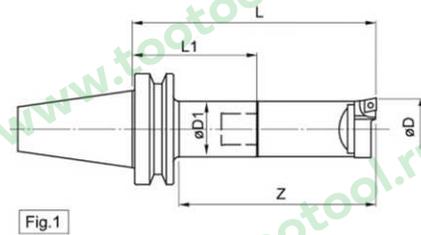
Specifications:

Boring Head No	Fig.	LBK No.	ØC (mm)	Ød (mm)	Forward Boring			Reverse Boring				Insert/Clamp Screw/Wrench	Weight (kg)																																				
					Cutting Insert Holder	ØD (mm) Boring Ranges	L (mm) Length	Cutting Insert Holder	ØD (mm) Boring Ranges	L (mm) Length	Z (mm) Length																																						
RBM18A	2	LBK2	16	14	SP18	18-23	60/Z50	SA18	20-25	60	40	CC06 / M2.5/ T8	0.10																																				
RBM18B							85/Z75			85	65		0.14																																				
RBM18-M10							55			45	0.06																																						
RBM22	1	M10	20	11	SP22	22-29	40	SA22	24-32	40	30	CC09 / M4 / T15	0.09																																				
RBM27		LBK1											25	14	SP27	27-40	50	SA27	31-41	50	40	0.18																											
RBM35		LBK2																				32	18	SP35	35-50	65	SA35	38-52	65	50	0.38																		
RBM45		LBK3																													40	22	SP45	45-65	80	SA45	50-65	80	70	0.72									
RBM45		LBK4																																						50	28	SP55	55-80	85	SA55	60-84	85	60	1.14
																																																	SP68
	SP100		100-154	SA100	110-164	100	75	1.32																																									
RBM68	LBK5	63	36	SP68	68-104	100	SA68	78-115	100	75	CC09 / M4 / T15	2.10																																					
												SP100	100-154	SA100	110-164	100	75	2.20																															
																		CB150	68-104	100	SA68	78-115	100	75	2.20																								
RBM68	LBK6	140	36	RBM68	150-204	125	RBM68	160-214	125	100	CC09 / M4 / T15	3.08																																					
												RCM100	150-204	125	RCM100	160-214	125	100	3.08																														
																				SP100	150-204	125	SA100	110-164	100	75	2.20																						

- ※ CB150: Adapter plate. ※ RCM100: Balance base ※ Standard parts of SP cutting insert holder for CBM boring head; option of SA reverse cutting insert holder.
- ※ Attached with CB200 adapter plate, working range from Ø200-Ø254 on diameter.
- ※ Attached with CB250 adapter plate, working range from Ø250-Ø354 on diameter.

RBM+LBK

Indexable RBM Single-Bit Rough Boring Head + LBK Shank (MAS 403BT)



Specifications:

Tools Connection		Fig.	Boring Ranges ØD (mm)	Z (mm)	Length L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)
Type	LBK Shank							
RBM18A-SP18	BT30-LBK2-80	3	18-23	50	140	80	24	0.70
RBM18B-SP18				75	165			0.74
RBM22-SP22	BT30-LBK1-70	1	22-29	80	110	70	19	0.59
RBM27-SP27	BT30-LBK2-80		27-40	100	130	80	24	0.78
RBM35-SP35	BT30-LBK3-80		35-50	115	145	80	31	1.08
RBM45-SP45	BT30-LBK4-70		45-65	120	150	70	39	1.52
RBM55-SP55	BT30-LBK5-60		55-80	115	145	60	50	1.94
RBM68-SP68	BT30-LBK6-90		68-104	130	160	60	64	3.10
RBM18A-SP18	BT40-LBK2-85	3	18-23	50	145	85	24	1.20
RBM18B-SP18				75	170			1.24
RBM22-SP22	BT40-LBK1-75	1	22-29	80	115	75	19	1.09
	BT40-LBK1-90			95	130	90		1.15
RBM27-SP27	BT40-LBK2-85	1	27-40	100	135	85	24	1.28
	BT40-LBK2-100			115	150	100		1.33
RBM35-SP35	BT40-LBK3-95	1	35-50	125	160	95	31	1.58
	BT40-LBK3-125			155	190	125		1.88
RBM45-SP45	BT40-LBK4-85	1	45-65	130	165	85	39	2.02
	BT40-LBK4-130			175	210	130		2.62
RBM55-SP55	BT40-LBK5-75	1	55-80	125	160	75	50	2.44
	BT40-LBK5-125			175	210	125		3.44
RBM55-SP68	BT40-LBK5-75	1	68-104	135	170	75	50	2.52
	BT40-LBK5-125			185	220	125		3.52
RBM55-SP100	BT40-LBK5-75	1	100-154	135	170	75	50	2.62
	BT40-LBK5-125			185	220	125		3.62
RBM68-SP68	BT40-LBK6-65	1	68-104	130	165	65	64	3.40
	BT40-LBK6-115			180	215	115		4.80
	BT40-LBK6-165			230	265	165		6.00
	BT40-LBK6-65			130	165	65		3.50
RBM68-SP100	BT40-LBK6-115	1	100-154	180	215	115	64	4.90
	BT40-LBK6-165			230	265	165		6.10
	BT40-LBK6-65			130	165	65		3.50
RBM68-CB150-RCM100-SP100	BT40-LBK6-115	1	150-204	205	240	115	64	5.78
	BT40-LBK6-165			255	290	165		6.98
	BT40-LBK6-65			130	165	65		3.50

★ The red word is in high times depth boring, please use tip R0.2 insert for machining, also reduce speed and feed.

Indexable RBM Single-Bit Rough Boring Head + LBK Shank (MAS 403BT)

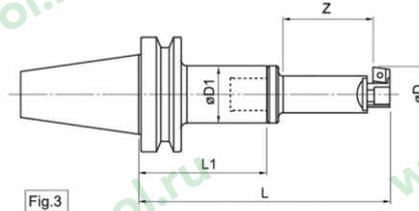
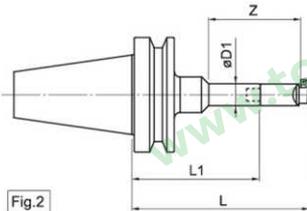
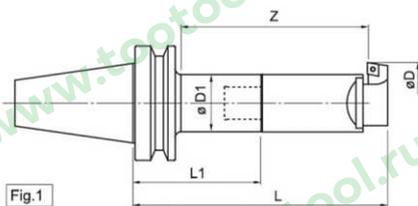


Specifications:

Tools Connection		Fig.	Boring Ranges ØD (mm)	Z (mm)	Length L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)
Type	LBK Shank							
RBM18A-SP18	BT50-LBK2-125	3	18-23	50	185	125	39/24	4.00
RBM18B-SP18				75	210			4.04
RBM22-SP22	BT50-LBK1-115	2	22-29	80	155	115	31/19	4.09
RBM27-SP27	BT50-LBK2-125		27-40	115	175	125	39/24	4.08
RBM35-SP35	BT50-LBK3-125	1	35-50	145	190	125	31	4.48
RBM45-SP45	BT50-LBK4-115			45-65	150	195	115	39
	BT50-LBK4-145	180	225		145	5.12		
RBM55-SP55	BT50-LBK5-105	1	55-80	145	190	105	50	5.64
	BT50-LBK5-180			220	265	180		6.64
RBM55-SP68	BT50-LBK5-105	1	68-104	155	200	105	50	5.72
	BT50-LBK5-180			230	275	180		6.72
RBM55-SP100	BT50-LBK5-105	1	100-154	155	200	105	50	5.82
	BT50-LBK5-180			230	275	180		6.82
RBM68-SP68	BT50-LBK6-95	1	68-104	150	195	95	64	6.60
	BT50-LBK6-170			225	270	170		8.40
	BT50-LBK6-230			285	330	230		9.70
	BT50-LBK6-290			345	390	290		11.00
	BT50-LBK6-350	2		<Ø90=285 >Ø90=405	450	350	90/64	15.50
RBM68-SP100	BT50-LBK6-95	1	100-154	150	195	95	64	6.70
	BT50-LBK6-170			225	270	170		8.50
	BT50-LBK6-230			285	330	230		9.80
	BT50-LBK6-290			345	390	290		11.22
		BT50-LBK6-350	2		405	450	350	90/64
RBM68-CB150-RCM100-SP100	BT50-LBK6-95	1	150-204	175	220	95	64	7.58
	BT50-LBK6-170			250	295	170		9.38
	BT50-LBK6-230			310	355	230		10.68
	BT50-LBK6-290			370	415	290		12.08
		BT50-LBK6-350	2		430	475	350	90/64

RBM+LBK

Indexable RBM Single-Bit Rough Boring Head + LBK Shank (MAS 403BT)



Specifications:

Tools Connection		Fig.	Boring Ranges ØD (mm)	Z (mm)	Length L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)
Type	LBK Shank							
RBM18A-SP18	BT30-LBK2-80	3	20-25	40	140	80	24	0.70
RBM18B-SP18				65	165			0.74
RBM22-SP22	BT30-LBK1-70	1	24-32	70	110	70	19	0.59
RBM27-SP27	BT30-LBK2-80		31-41	90	130	80	24	0.78
RBM35-SP35	BT30-LBK3-80		38-52	100	145	80	31	1.08
RBM45-SA45	BT30-LBK4-70		50-65	110	150	70	39	1.50
RBM55-SA55	BT30-LBK5-60		60-84	90	145	60	50	1.94
RBM68-SA68	BT30-LBK6-60		78-115	105	160	60	64	3.10
RBM18A-SA18	BT40-LBK2-85	3	20-25	40	145	85	24	1.20
RBM18B-SA18				65	170			1.24
RBM22-SA22	BT40-LBK1-75	1	24-32	70	115	75	19	1.09
	BT40-LBK1-90			85	130	90		1.15
RBM27-SA27	BT40-LBK2-85	1	31-41	90	135	85	24	1.28
	BT40-LBK2-100			105	150	100		1.33
RBM35-SA35	BT40-LBK3-95	1	38-52	110	160	95	31	1.58
	BT40-LBK3-125			140	190	125		1.88
RBM45-SA45	BT40-LBK4-85	1	50-65	120	165	85	39	2.02
	BT40-LBK4-130			165	210	130		2.62
RBM55-SA55	BT40-LBK5-75	1	60-84	100	160	75	50	2.44
	BT40-LBK5-125			150	210	125		3.44
RBM55SA68	BT40-LBK5-75	1	78-115	110	170	75	50	2.52
	BT40-LBK5-125			160	220	125		3.52
RBM55-SA100	BT40-LBK5-75	1	110-164	110	170	75	50	2.62
	BT40-LBK5-125			160	220	125		3.62
RBM68-SA68	BT40-LBK6-65	1	78-115	105	165	65	64	3.40
	BT40-LBK6-115			155	215	115		4.80
	BT40-LBK6-165			205	265	165		6.00
RBM68-SA100	BT40-LBK6-65	1	110-164	105	165	65	64	3.50
	BT40-LBK6-115			155	215	115		4.90
	BT40-LBK6-165			205	265	165		6.10
RBM68-CB150-RCM100-SA100	BT40-LBK6-65	1	160-214	130	190	65	64	4.38
	BT40-LBK6-115			180	240	115		5.78
	BT40-LBK6-165			230	290	165		6.98

★ The red font are in high times depth boring, please use tip R0.2 insert for machining, also reduce speed and feed.

Indexable RBM Single-Bit Rough Boring Head + LBK Shank (MAS 403BT)



Specifications:

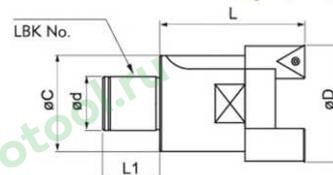
Tools Connection		Fig.	Boring Ranges ØD (mm)	Z (mm)	Length L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)
Type	LBK Shank							
RBM18A-SP18	BT50-LBK2-125	3	20-25	40	185	125	39/24	4.00
RBM18B-SP18				65	210			4.04
RBM22-SP22	BT50-LBK1-115	2	24-32	70	155	115	31/19	4.09
RBM27-SP27	BT50-LBK2-125		31-41	105	175	125	39/24	4.09
RBM35-SP35	BT50-LBK3-125	1	38-52	130	190	125	31	4.48
RBM45-SA45	BT50-LBK4-115		50-65	140	195	115	39	5.02
	BT50-LBK4-145	170		225	145	5.12		
RBM55-SA55	BT50-LBK5-105	1	60-84	120	190	105	50	5.64
	BT50-LBK5-180			195	265	180		6.64
RBM55-SA68	BT50-LBK5-105	1	78-115	130	200	105	50	5.72
	BT50-LBK5-180			205	275	180		6.72
RBM55-SA100	BT50-LBK5-105	1	110-164	130	200	105	50	5.82
	BT50-LBK5-180			205	275	180		6.82
RBM68-SA68	BT50-LBK6-95	1	78-115	125	195	95	64	6.60
	BT50-LBK6-170			200	270	170		8.40
	BT50-LBK6-230			260	330	230		9.70
	BT50-LBK6-290			320	390	290		11.10
	BT50-LBK6-350	2		<Ø90=260 >Ø90=380	450	350	90/64	15.50
RBM68-SA100	BT50-LBK6-95	1	110-164	125	195	95	64	6.70
	BT50-LBK6-170			200	270	170		8.50
	BT50-LBK6-230			260	330	230		9.80
	BT50-LBK6-290			320	390	290		11.20
		BT50-LBK6-350	2		380	450	350	90/64
RBM68-CB150-RCM100-SA100	BT50-LBK6-95	1	160-214	150	220	95	64	7.58
	BT50-LBK6-170			225	295	170		9.38
	BT50-LBK6-230			280	355	230		10.68
	BT50-LBK6-290			345	415	290		12.08
		BT50-LBK6-350	2		405	475	350	90/64

RBH-LA+LBK

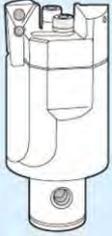
Indexable Twin-bit Rough Boring Head RBH-LA (Boring Range from Ø25 - Ø204mm)

FEATURES

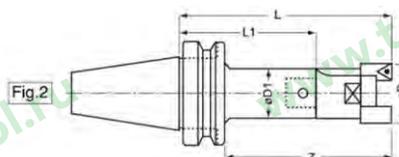
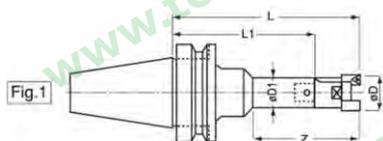
1. Thickened cartridge with higher rigidity.
2. Coolant nozzle easily cools the insert elongating its working life.
3. The design of chip pocket, improving chip flow of deep boring.
4. Clamp plate solidifies cartridges and head, upgrading cutting rigidity.
5. Patented step boring design; suitable for both level boring and step boring.
6. RBH120LA and RBH160LA are replaceable insert holders.



Specifications:

Boring Head Type	LBK No.	ØD (mm) Boring Range	L (mm)	ØC (mm)	Ød (mm)	L1 (mm)	Insert	Weight (kg)
	RBH25LA-C	LBK2	25~35	50	24	14	CCMT060204	0.15
	RBH32LA-C						CCMT060204	
	RBH32LA-T	LBK3	32~45	60	31	18	TCMT110204	0.3
	RBH40LA-C						CCMT09T304	
	RBH40LA-T	LBK4	40~55	74	39	22	TCMT16T304	0.6
	RBH40LA-S						SCMT09T304	
	RBH52LA-C	LBK5	52~75	80	50	28	CCMT09T304	1
	RBH52LA-T						TCMT16T304	
	RBH52LA-S	LBK6	68-100	90	66	36	SCMT09T304	2.5
	RBH68LA-C						CCMT120408	
RBH68LA-T	LBK6	90~130	100	88	40	TCMT16T304	3.1	
RBH68LA-S						SCMT120404		
RBH90LA-C	LBK6	90~130	100	88	58	CCMT120408	3.8	
RBH90LA-T						TCMT16T304		
RBH90LA-S	LBK7	120~164	95	100	50	SCMT120404	4.7	
RBH90A-LAC						CCMT120408		
RBH90A-LAT	LBK7	160~204	95	130	58	TCMT220408	5.6	
RBH90A-LAS						SCMT120404		
RBH120A-LAC	LBK7	120~164	95	100	58	CCMT120408	4.7	
RBH120A-LAT						TCMT220408		
RBH120A-LAS	LBK7	160~204	95	130	58	SCMT120404	5.6	
RBH160A-LAC						CCMT120408		
RBH160A-LAT	LBK7	160~204	95	130	58	TCMT220408	5.6	
RBH160A-LAS						SCMT120404		

RBH-LA Indexable Twin-bit Rough Boring Head + LBK Shank (MAS 403BT)



Specifications:

Tool Connection		Fig.	ØD (mm)	Z (mm)	LBK No.	L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)
RBH-LA boring head	LBK Shank								
RBH25LA	BT30-LBK2-80	2	25-35	100	2	130	80	24	0.8
RBH32LA	BT30-LBK3-80		32-45	3	140	31		1.0	
RBH40LA	BT30-LBK4-70		40-55	4		70	39	1.4	
RBH52LA	BT30-LBK5-60		52-75	5	60	50	1.8		
RBH68LA	BT30-LBK6-60		68-100	6		150	64	3.5	
RBH90LA			90-130	130	160	64	4.1		

Specifications:

Tool Connection		Fig.	ØD (mm)	Z (mm)	LBK No.	L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)	
RBH-LA boring head	LBK Shank									
RBH25LA	BT40-LBK2-85	2	25-35	100	2	135	85	24	1.3	
	BT40-LBK2-100			115		150	100		1.4	
	BT40-LBK2-115			130		165	115		1.6	
RBH32LA	BT40-LBK3-95		3	32-45	120	3	155	95	31	1.5
	BT40-LBK3-125				150		185	125		1.8
	BT40-LBK3-155				180		215	155		2.0
RBH40LA	BT40-LBK4-85		4	40-55	120	4	155	85	39	1.9
	BT40-LBK4-130				165		200	130		2.5
	BT40-LBK4-175				210		245	175		2.8
RBH52LA	BT40-LBK5-75		5	52-75	120	5	155	75	50	2.3
	BT40-LBK5-125				170		205	125		3.3
	BT40-LBK5-175				220		255	175		4.0
RBH68LA	BT40-LBK6-65	6	68-100	120	6	155	65	64	3.8	
	BT40-LBK6-115			170		205	115		5.2	
	BT40-LBK6-165			220		255	165		6.4	
RBH90LA	BT40-LBK6-65	6	90-130	130	6	165	65	64	4.4	
	BT40-LBK6-115			180		215	115		5.8	
	BT40-LBK6-165			230		265	165		7.0	
RBH120A-LA	BT40-LBK7-100	7	120-164	7	100	100	88	7.0		
RBH160A-LA			160-204					160	8.0	
RBH25LA	BT50-LBK2-	1	25-35	110	2	175	125	39/24	4.1	
	BT50-LBK3-			140		205	155		4.2	
RBH32LA	BT50-LBK3-	2	32-45	135	3	185	125	31	4.4	
	BT50-LBK3-			165		215	155		4.5	
RBH40LA	BT50-LBK4-	4	40-55	135	4	185	115	39	4.9	
	BT50-LBK4-			165		215	145		5.0	
	BT50-LBK4-			195		245	175		5.4	
RBH52LA	BT50-LBK4-	2	52-75	225	5	285	215	50/39	5.5	
	BT50-LBK5-			135		185	105		5.5	
	BT50-LBK5-			210		260	180		6.5	
	BT50-LBK5-			270		320	240		7.2	
	BT50-LBK5-300			1		<Ø64=270L >Ø64=330L	300		300	64/50
RBH68LA	BT50-LBK6-95	2	68-100	135	6	185	95	64	7.0	
	BT50-LBK6-170			210		260	170		8.8	
	BT50-LBK6-230			270		320	230		10.1	
	BT50-LBK6-290			330		380	290		11.5	
RBH90LA	BT50-LBK6-350	1	90-130	<Ø90=270L >Ø90=390L	6	350	350	90/64	16.0	
	BT50-LBK6-95			145		195	95		7.6	
	BT50-LBK6-170			220		270	170		9.4	
	BT50-LBK6-230			280		330	230		10.7	
	BT50-LBK6-290			340		390	290		12.1	
RBH90A-LA	BT50-LBK6-350	2	90-130	400	7	450	350	88	16.6	
	BT50-LBK7-100			155		200	100		8.6	
	BT50-LBK7-150			205		250	150		10.3	
	BT50-LBK7-200			255		300	200		11.8	
	BT50-LBK7-250			305		350	250		12.8	
	BT50-LBK7-300			355		400	300		13.8	
	BT50-LBK7-350			405		450	350		15.8	
	BT50-LBK7-400			455		500	400		17.8	
	BT50-LBK7-450			505		550	450		20.9	
	BT50-LBK7-500			555		600	500		22.5	
RBH120A-LA	BT50-LBK7-100	2	120-164	150	7	195	100	88	9.5	
	BT50-LBK7-150			200		245	150		11.2	
	BT50-LBK7-200			250		295	200		12.7	
	BT50-LBK7-250			300		345	250		13.7	
	BT50-LBK7-300			350		395	300		14.7	
	BT50-LBK7-350			400		445	350		16.7	
	BT50-LBK7-400			450		495	400		18.7	
	BT50-LBK7-450			500		545	450		21.8	
	BT50-LBK7-500			550		595	500		23.4	
RBH160A-LA	BT50-LBK7-100	2	160-204	150	7	195	100	88	10.4	
	BT50-LBK7-150			200		245	150		12.1	
	BT50-LBK7-200			250		295	200		13.6	
	BT50-LBK7-250			300		345	250		14.6	
	BT50-LBK7-300			350		395	300		15.6	
	BT50-LBK7-350			400		445	350		17.6	
	BT50-LBK7-400			450		495	400		19.6	
	BT50-LBK7-450			500		545	450		22.7	
BT50-LBK7-500	550	595	500	24.3						

※ If the effective length exceed the arbor diameter (ØD1) for 5 times, need reduce the cutting speed and use the blade with comer-R=0.2 for the machining.
Or choose series of STABLELINE for machining.

RBH-LA+LBK

RBH-LA Large Diameter Modular Roungh Boring Head with Diameter over Ø200mm
(Boring Range from Ø200 - Ø2000mm)



FEATURES

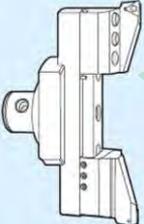
1. This type is suitable for large diameter boring with ranges from Ø200 mm to Ø2000 mm.
2. The structure includes common flange and extension slide for both rough and fine boring heads. Available can be optional accessories for different works. Adjustment range is within Ø110mm on diameter. The adjustment range for bother 600LA and 900LA is Ø300mm, and 1200LA above are Ø400mm.
3. Options of various inserts for rough boring of different materials and boring styles.
4. Boring head can be ordered according to client's requirements above 2M specification.

Specifications:

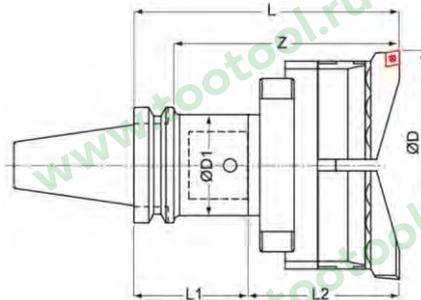
Boring Head Type	Type	RBH 200LA	RBH 300LA	RBH 400LA	RBH 500LA	RBH 600LA	RBH 900LA	RBH 1200LA	RBH 1600LA
	Length (mm)	130	130	130	130	150	150	180	180
	Total Weight (kg)	10.6	12.6	14.6	16.6	23	31.7	46.6	52
	Boring Diameter ØD (mm)	200-310	300-410	400-510	500-610	600-900	900-1200	1200-1600	1600-2000
Module	Taper Shank	BT50 / SK50 / HSK100A-LBK7				BT50-FMA-47.625			
	Flange	LBK7-BR200				BR600	BR900	BR1200	BR1600
	Weight (kg)	Alloy Steel 3.8				Alum. Alloy 8.8 13.5 24.4 29.6			
	Extension Slide	RST200	RST300	RST400	RST500	RST300x2(pieces)	RST400x2(pieces)	RST500 x 2(pieces)	
	Weight (kg)	3.4	5.4	7.4	9.4	10.8	14.8	18.8	
	Clamp Base	RS200							
	Weight (kg)	0.98 kg							
	Height Setting Shin	RS201							
	Weight (kg)	0.05 kg							
	Insert Holder	RB200C12		RB200T16		RB200T22		RB200S12	
	Applicable Insert	CCMT120404		TCMT16T304		TCMT220408		SCMT120408	
	Weight (kg)	0.68 kg							

✗ Arbor is not included.

RBH-LA Indexable Twin-bit Rough Boring Head for Large Hole Boring + LBK Shank (MAS 403 BT) (Boring Range from Ø200 - Ø2000mm)

	Boring Head Type	BST No.	ØD (mm) Boring Range	L2 (mm)	Insert	Weight (kg)
	RBH200LA	LBK7	200~310	130	Optional Inserts CCMT120408 TCMT16T304 TCMT220408 SCMT120404	10.6
	RBH300LA		300~410			12.6
	RBH400LA		400~510			14.6
	RBH500LA		500~610			16.6
	RBH600LA	FMA-47.625	600~900	150		23.0
	RBH900LA		900~1200			31.7
	RBH1200LA		1200~1600			46.6
RBH1600LA	1600~2000		52.0			

Boring diameter
Ø200~2000
mm



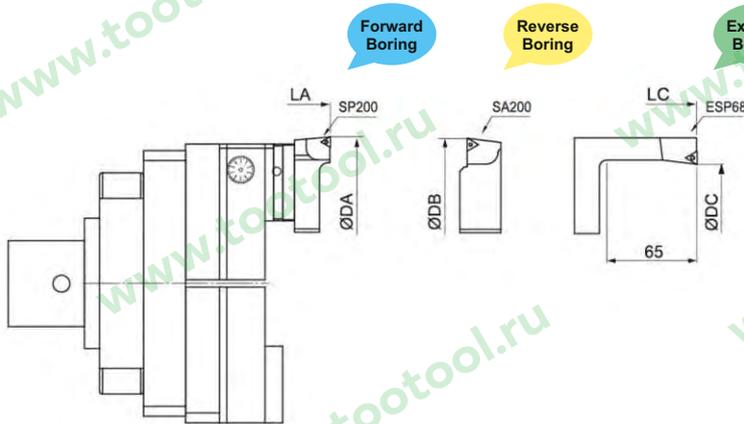
Specifications:

Tool Connection		Boring Ranges ØD (mm)	Z (mm)	LBK No.	Length L (mm)	L1 (mm)	ØD1 (mm)	Weight (kg)	
Type	LBK Shank								
RBH200LA	BT50-LBK7-100	200-310	185	7	230	100	88	15.4	
	BT50-LBK7-150		235		280			17.1	
	BT50-LBK7-200		285		330			200	18.6
	BT50-LBK7-250		335		380			250	19.6
	BT50-LBK7-300		385		430			300	20.6
	BT50-LBK7-350		435		480			350	22.6
	BT50-LBK7-400		485		530			400	24.6
	BT50-LBK7-450		535		580			450	27.7
	BT50-LBK7-500		585		630			500	29.3
RBH300LA	BT50-LBK7-100	300-410	185	7	230	100	88	17.4	
	BT50-LBK7-150		235		280			150	19.1
	BT50-LBK7-200		285		330			200	20.6
	BT50-LBK7-250		335		380			250	21.6
	BT50-LBK7-300		385		430			300	22.6
	BT50-LBK7-350		435		480			350	24.6
	BT50-LBK7-400		485		530			400	26.6
	BT50-LBK7-450		535		580			450	27.7
	BT50-LBK7-500		585		630			500	31.3
RBH400LA	BT50-LBK7-100	400-510	185	7	230	100	88	19.4	
	BT50-LBK7-150		235		280			150	21.1
	BT50-LBK7-200		285		330			200	22.6
	BT50-LBK7-250		335		380			250	23.6
	BT50-LBK7-300		385		430			300	24.6
	BT50-LBK7-350		435		480			350	26.6
	BT50-LBK7-400		485		530			400	28.6
	BT50-LBK7-450		535		580			450	31.7
	BT50-LBK7-500		585		630			500	33.3
RBH500LA	BT50-LBK7-100	500-610	185	7	230	100	88	21.4	
	BT50-LBK7-150		235		280			150	23.1
	BT50-LBK7-200		285		330			200	24.6
	BT50-LBK7-250		335		380			250	25.6
	BT50-LBK7-300		385		430			300	26.6
	BT50-LBK7-350		435		480			350	28.6
	BT50-LBK7-400		485		530			400	30.6
	BT50-LBK7-450		535		580			450	33.7
	BT50-LBK7-500		585		630			500	35.3
RBH600LA	BT50- FMA47.625-75	600-900	215	FMA- 47.625	230	75	128	30.0	
RBH900LA		900-1200			38.7				
RBH1200LA		1200-1600			53.6				
RBH1600LA		1600-2000			59.0				

CBM+LBK

CBM Large Diameter Modular Adjustment Boring Head with Diameter over Ø200mm

Boring Range
Forward Boring Ø200 - Ø2000 mm
Reverse Boring Ø210 - Ø2010 mm
External Boring Ø190 - Ø2010 mm



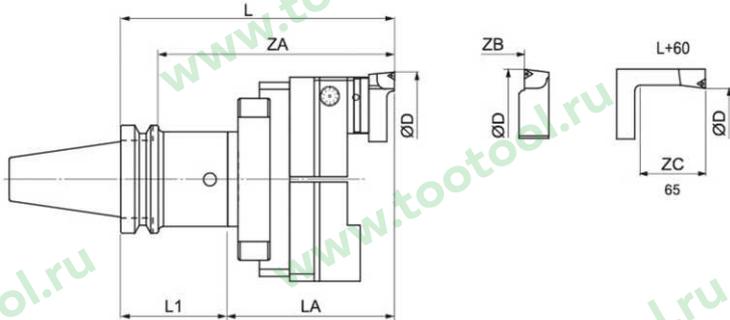
Specifications:

Boring Head Type		Type	CBM200	CBM300	CBM400	CBM500	CBM600	CBM900	CBM1200	CBM1600	
		Total Weight (kg)	160	160	160	160	180	180	210	210	
Boring Diameter ØD (mm)		8.78	9.58	10.38	11.18	16.48	22.78	35.05	40.25		
ØDA (mm) Forward Boring Diameter		200-310	300-410	400-510	500-610	600-900	900-1200	1200-1600	1600-2000		
ØDB (mm) Reverse Boring Diameter		210-320	310-420	410-520	510-620	610-910	910-1210	1210-1610	1610-2010		
ØDC (mm) External Boring Diameter		190-310	290-410	390-510	490-610	590-910	890-1210	1190-1610	1590-2010		
LC (mm) External Boring Diameter		220	220	220	220	240	240	270	270		
Module	Taper Shank		BT50 / SK50 / HSK100A-LBK7				BT50-FMA47.625				
	Flange		LBK7-BR200				BR600	BR900	BR1200	BR1600	
			Alloy Steel				Alum. Alloy				
	Extension Slide(alum. Alloy)		RST200	RST300	RST400	RST500	RST300x2(pieces)	RST400x2(pieces)	RST500 x 2(pieces)		
	Weight (kg)		1.1	1.9	2.7	3.5	3.8	5.4	7		
	Balance Base / Weight		RCM200 / 1.7 KG								
	Finish Head / Weight		CM200 / 1.95 KG								
	Insert Holder		Forward Boring SP200 / Reverse Boring SA200 / External Boring ESP68								
Applicable Insert		CC09 / M4 / T15. TP09 / M2.5 / T8. TC11 / M2.5 / T8									

✗ Option of SA200 reverse cutting insert holder and ESP68 external cutting insert holder.

✗ Arbor is not included.

CBM Large Diameter Modular Adjustment Boring Head with Diameter over Ø200mm + LBK Shank (MAS 403 BT)



Specifications:

SP: Forward Boring

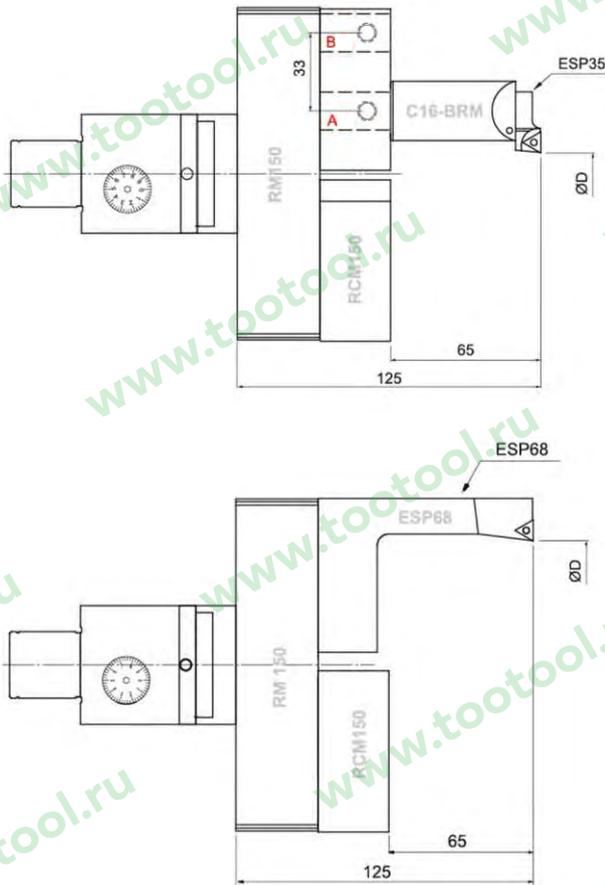
SA: Reverse Boring

ESP: External Boring

Tool Connection		Reverse Boring			Reverse Boring			External Boring		Weight (kg)
Type	BST Shank	ØD(mm) Boring Range	ZB (mm)	L (mm)	ØD(mm) Boring Range	ZB (mm)	L (mm)	ØD(mm) Boring Range	ZC (mm)	
CBM200-SP200 CBM200-SA200 CBM200-ESP68	BT50-LBK7-100	200-310	215	260	210-320	190	260	190-310	65	13.58
	BT50-LBK7-150		265	310		240	310			15.28
	BT50-LBK7-200		315	360		290	360			16.78
	BT50-LBK7-250		365	410		340	410			17.78
	BT50-LBK7-300		415	460		390	460			18.78
	BT50-LBK7-350		465	510		440	510			20.78
	BT50-LBK7-400		515	560		490	560			22.78
	BT50-LBK7-450		565	610		540	610			25.88
	BT50-LBK7-500		615	660		590	660			27.48
CBM300-SP200 CBM300-SA200 CBM300-ESP68	BT50-LBK7-100	300-410	215	260	310-420	190	260	290-410	65	14.38
	BT50-LBK7-150		265	310		240	310			16.08
	BT50-LBK7-200		315	360		290	360			17.58
	BT50-LBK7-250		365	410		340	410			18.58
	BT50-LBK7-300		415	460		390	460			19.58
	BT50-LBK7-350		465	510		440	510			21.58
	BT50-LBK7-400		515	560		490	560			23.58
	BT50-LBK7-450		565	610		540	610			26.68
	BT50-LBK7-500		615	660		590	660			28.28
CBM400-SP200 CBM400-SA200 CBM400-ESP68	BT50-LBK7-100	400-510	215	260	410-520	190	260	390-510	65	15.18
	BT50-LBK7-150		265	310		240	310			16.88
	BT50-LBK7-200		315	360		290	360			18.38
	BT50-LBK7-250		365	410		340	410			19.38
	BT50-LBK7-300		415	460		390	460			20.38
	BT50-LBK7-350		465	510		440	510			22.38
	BT50-LBK7-400		515	560		490	560			24.38
	BT50-LBK7-450		565	610		540	610			27.48
	BT50-LBK7-500		615	660		590	660			29.08
CBM500-SP200 CBM500-SA200 CBM500-ESP68	BT50-LBK7-100	500-610	215	260	510-620	190	260	490-610	65	15.98
	BT50-LBK7-150		265	310		240	310			17.68
	BT50-LBK7-200		315	360		290	360			19.18
	BT50-LBK7-250		365	410		340	410			20.18
	BT50-LBK7-300		415	460		390	460			21.18
	BT50-LBK7-350		465	510		440	510			23.18
	BT50-LBK7-400		515	560		490	560			25.18
	BT50-LBK7-450		565	610		540	610			28.28
	BT50-LBK7-500		615	660		590	660			29.88
CBM600-SP200 CBM600-SA200 CBM600-ESP68	BT50-FMA47.625-75	600-900	210	260	610-910	185	260	590-910	65	23.5
CBM900-SP200 CBM900-SA200 CBM900-ESP68		900-1200			910-1210			890-1210		29.8
CBM1200-SP200 CBM1200-SA200 CBM1200-ESP68		1200-1600			1210-1610			1190-1610		42.1
CBM1600-SP200 CBM1600-SA200 CBM1600-ESP68		1600-2000			1610-2010			1590-2010		47.3

CBM55/68/100

CBM55/68/100 Modular Assemblies External Boring (Boring Range from Ø5 - Ø200mm)



Specifications:

		CBM55	CBM68	CBM100
Module	Applicable Boring Heads			
	Taper Shank	LBK5	LBK5	LBK7
	Total Weight (kg)	2.65	2.65	4.21
	Length Z (mm)	65		
	Boring Diameter ØD (mm)	Working Range of Fixed Hole A for Ø5-Ø60 / Working Range of Fixed Hole A for Ø60-Ø120 / ESP68 External Cutting Insert Holder Boring Ranges for Ø120-Ø200		
	1. External Boring Adapter Plate	RM150		
	2. External Boring Clamp Base	HBM150		
	3. External Boring Balance Base	RCM150		
	4. Adapter for External	C16-BRM		
	5. Forward Boring Insert Holder Insert/Clamp Screw/Wrench	ESP35, TP09 / M2.5 / T8 CC06 / M2.5 / T8		
6. External Boring Insert Holder Insert/Clamp Screw/Wrench	ESP68, TP09 / M2.5 / T8 CC09 / M4 / T15			

※ CBM boring head are not included in kit RM150.

CBM55/68



Fine Boring Bar Type BR (for CBM55/68) (Boring Range Ø6 - Ø28mm)

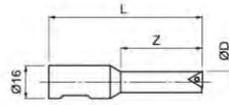


Fig.1

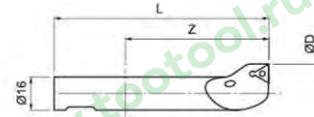
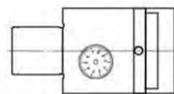


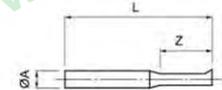
Fig.2

Type	Fig.	ØD (mm)	L (mm)	Z (mm)	
BR1606-21	1	Ø6 - Ø9	55	21	WB06 / Ø3xM2 / T6
BR1608-28		Ø8 - Ø11	58	28	TP06 / Ø2.7xM2 / T6
BR1610-35		Ø10 - Ø13	64	35	
BR1612-42		Ø12 - Ø15	68	42	
BR1614-50		Ø14 - Ø17	76	50	
BR1616-60	2	Ø16 - Ø20	86	60	TP09 / M2.5 / T8
BR1620-65		Ø20 - Ø24	90	65	
BR1624-68		Ø24 - Ø28	93	68	
BR16-8PCS					

Transfer Bar for Insert Holder C16-BRM + SP Insert Holder (for CBM55/68) (Boring Range Ø27 - Ø68mm)



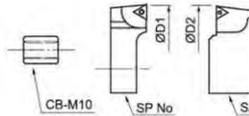
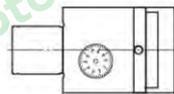
Super Fine Diameter Tungsten Carbide Boring Bar Dedicated to CBM55/68 Series Type SBJ



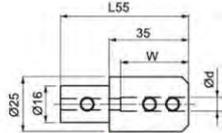
Type		Ød (mm)		ØD (mm)	L (mm)	
CBM55	C16-BR27	25	SP27	Ø27 - Ø40	62	CC06 / M2.5 / T8
	C16-BR35	32	SP35	Ø35 - Ø50	65	TP09 / M2.5 / T8
CBM68	C16-BR45	40	SP45	Ø45 - Ø68	68	CC09 / M4 / T15 TP09 / M2.5 / T8 TC11 / M2.5 / T8

Type	Boring Range Ød (mm)	ØA	Lenght Z (mm)	Total Lenght L (mm)
SBJ0603-15	3 - 5	6	15	50
SBJ0604-20	4 - 6		20	
SBJ0605-25	5 - 7		25	
SBJ0606-30	6 - 8	10	30	60
SBJ1008-35	8 - 10		35	
SBJ1010-40	10 - 12		40	75

Forward/Reverse Insert Holder (for CBM55/68) (Boring Range Ø55 - Ø154mm)



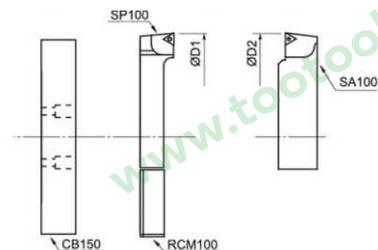
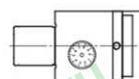
Extension Adapter for Small Diameter Boring Bar Dedicated to CBM55/68 Series Type C16-BRC (Boring Range Ø3 - Ø12mm)



Type			ØD1 (mm)		ØD2 (mm)	
CBM55	CB-M10	SP55	Ø55 - Ø80	SA55	Ø60 - Ø84	CC09 / M4 / T15
		SP68	Ø68 - Ø104	SA68	Ø78 - Ø115	
		SP100	Ø100 - Ø154	SA100	Ø110 - Ø164	
CBM68	CB-M10	SP68	Ø68 - Ø104	SA68	Ø78 - Ø115	TC11 / M2.5 / T8
		SP100	Ø100 - Ø154	SA100	Ø110 - Ø164	

Type	Ød (mm)	w (mm)
C16-BRC06	6	25
C16-BRC10	10	30

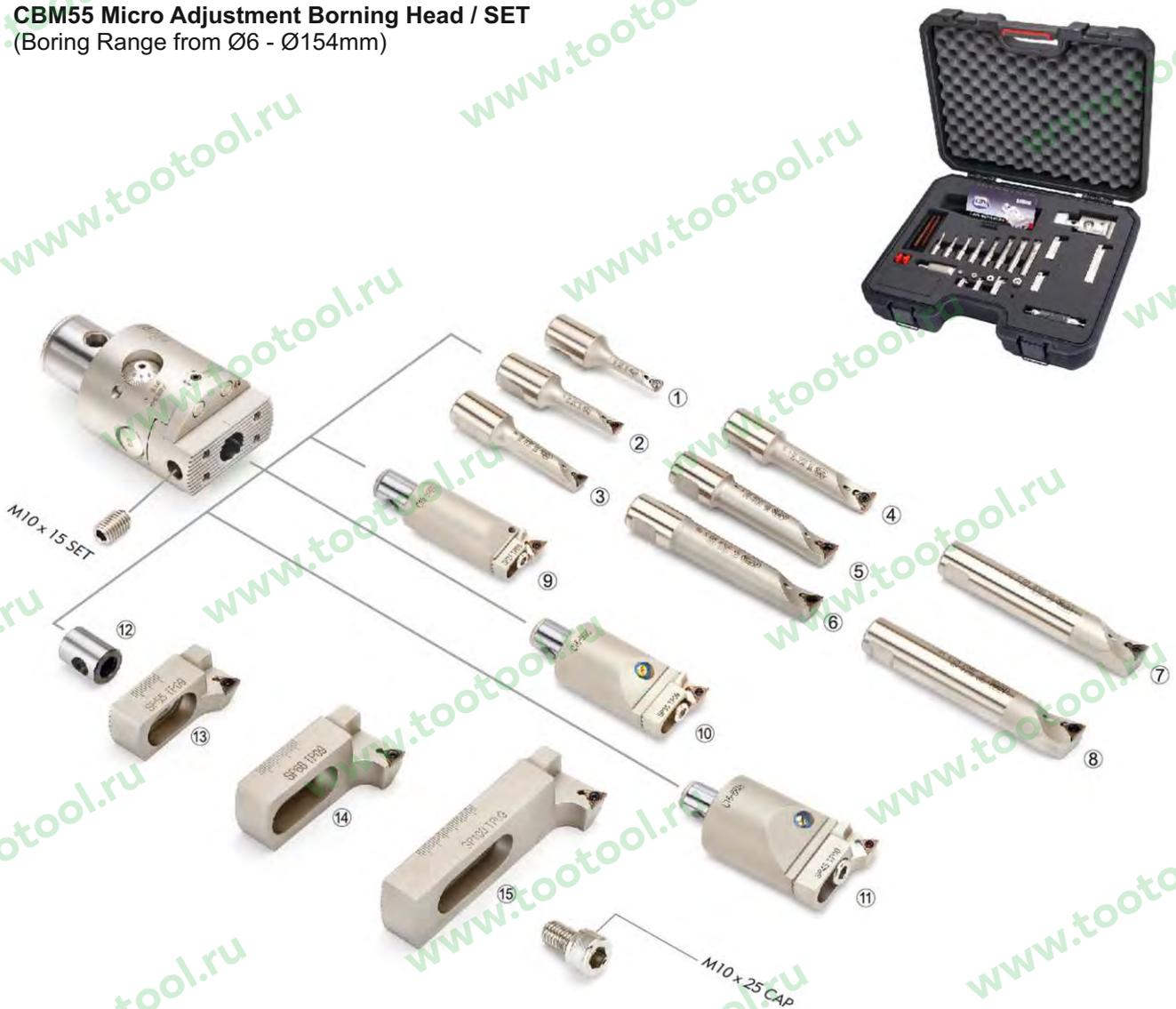
Adapter Plate CB150 and Balance Basw Base RCM100 for CBM55/68/100 (Boring Range Ø150 - Ø204mm)



Type			ØD1 (mm)		ØD2 (mm)	Insert / Clamp Screw / Wrench
CBM55	CB150+RCM100	SP100	Ø150 - Ø204	SA100	Ø160 - Ø214	CC09 / M4 / T15
CBM68	CB200+RCM100		Ø200 - Ø254		Ø210 - Ø264	TP09 / M2.5 / T8
CBM100	CB250+RCM100		Ø250 - Ø304		Ø260 - Ø314	TC11 / M2.5 / T8

CBM55

CBM55 Micro Adjustment Boring Head / SET (Boring Range from Ø6 - Ø154mm)



※ Enclosed each 1 pc with kits parts of No. 12.

	Type	Boring Diameter (mm)	Insert/Clamp Screw/Wrench
1	BR1606-21	Ø6 - Ø9	WB06 / Ø3xM2 / T6
2	BR1608-28	Ø8 - Ø11	TP06 / Ø2.7xM2 / T6
3	BR1610-35	Ø10 - Ø13	
4	BR1612-42	Ø12 - Ø15	TP09 / M2.5 / T8
5	BR1614-50	Ø14 - Ø17	
6	BR1616-60	Ø16 - Ø20	
7	BR1620-65	Ø20 - Ø24	
8	BR1624-68	Ø24 - Ø28	
9	C16-BR27+SP27	Ø27 - Ø40	
10	C16-BR35+SP35	Ø35 - Ø50	
11	C16-BR45+SP45	Ø45 - Ø68	
12+13	CB-M10+SP55	Ø55 - Ø80	
12+14	CB-M10+SP68	Ø68 - Ø104	
12+15	CB-M10+SP100	Ø100 - Ø154	

※ Boring range up to Ø250mm can be match with option of CB150 adapter plate and RCM100 balance base.

CBM68



CBM68 Micro Adjustment Boring Head / SET (Boring Range from Ø6 - Ø154mm)



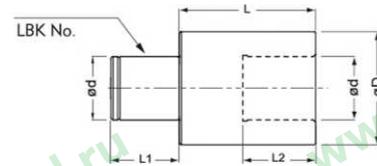
※ Enclosed each 1 pc with kits parts of No. 12 and No. 15.

	Type	Boring Diameter (mm)	Insert/Clamp Screw/Wrench
1	BR1606-21	Ø6 - Ø9	WB06 / Ø3xM2 / T6
2	BR1608-28	Ø8 - Ø11	TP06 / Ø2.7xM2 / T6
3	BR1610-35	Ø10 - Ø13	
4	BR1612-42	Ø12 - Ø15	TP09 / M2.5 / T8
5	BR1614-50	Ø14 - Ø17	
6	BR1616-60	Ø16 - Ø20	
7	BR1620-65	Ø20 - Ø24	
8	BR1624-68	Ø24 - Ø28	TP09 / M2.5 / T8
9	C16-BR27+SP27	Ø27 - Ø40	
10	C16-BR35+SP35	Ø35 - Ø50	
11	C16-BR45+SP45	Ø45 - Ø68	
12+14	CB-M10+SP68	Ø68 - Ø104	
12+15	CB-M10+SP100	Ø100 - Ø154	
17+16+15	CB150+RCM100+SP100	Ø150 - Ø204	

※ Boring range up to Ø254mm can be match with option of CB200 adapter plate.
 ※ Boring range up to Ø304mm can be match with option of CB250 adapter plate.

LBK for boring heads series

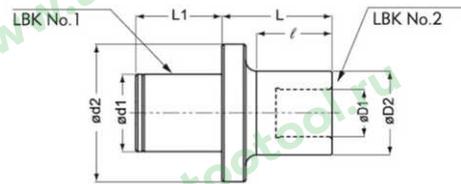
Extension (Constant Diameter)



Specifications:

Type	Ød mm	ØD mm	L mm	L1 mm	L2 mm	Applicable Boring Heads	Weight (kg)
LBK1-1-30L	11	19	30	13	15	CBM; RBM22	0.07
LBK2-2-30L	14	24	30	16	18	RBH25LA; CBM18; CBM27; RBM18; RBM27	0.10
LBK3-3-30L	18	31	30	20	22	RBH32LA; CBM35; RBM35	0.15
LBK4-4-45L	22	39	45	24	26	RBH40LA; CBM45; RBM45	0.40
LBK5-5-60L	28	50	60	30	32	RBH52LA; CBM55; RBM55	0.80
LBK6-6-60L	36	64	60	40	42	RBH68LA; RBH90LA; CBM68; RBM68	1.40
LBK7-7-105L	58	88	105	50	52	RBH90A-LA; RBH120A-LA; RBH160A-LA; RBH200LA~500LA; CBM100~500	4.85

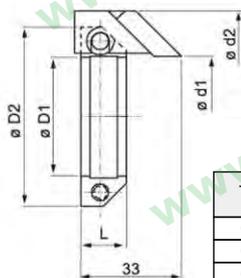
Extension (Reducing)



Specifications:

Type	Ød 1 mm	Ød 2 mm	L1 mm	ØD1 mm	ØD2 mm	L mm	ℓ mm	Applicable Boring Heads	Weight (kg)
LBK2-1-36L	14	24	16	11	19	36	30	CBM22; RBM22	0.10
LBK3-1-41L	18	31	20			41	30		0.15
LBK3-2-37L	22	39	24	14	24	37	25	RBH25LA; CBM18; CBM27; RBM18; RBM27	0.15
LBK4-1-58L				11	19	58	40	CBM22; RBM22	0.30
LBK4-2-50L	28	50	30	14	24	50	36	RBH25LA; CBM18; CBM27; RBM18; RBM27	0.30
LBK4-3-50L				18	31	50	37	RBH32LA; CBM35; RBM35	0.35
LBK5-1-60L	36	64	40	11	19	60	40	CBM22; RBM22	0.45
LBK5-2-54L				14	24	54	35	RBH25LA; CBM18; CBM27; RBM18; RBM27	0.45
LBK5-2-74L	28	50	30	14	24	74	55	RBH25LA; CBM18; CBM27; RBM18; RBM27	0.50
LBK5-3-47L				18	31	47	29		RBH32LA; CBM35; RBM35
LBK5-3-72L	36	64	40	18	31	72	54	RBH32LA; CBM35; RBM35	0.60
LBK5-4-42L				22	39	42	25		RBH40LA; CBM45; RBM45
LBK5-4-67L	58	88	50	22	39	67	50	RBH40LA; CBM45; RBM45	0.70
LBK6-1-70L				11	19	70	40	CBM22; RBM22	0.90
LBK6-2-63L	28	50	30	14	24	63	45	RBH25LA; CBM18; CBM27; RBM18; RBM27	0.70
LBK6-3-93L				18	31	93	75		0.80
LBK6-3-56L	36	64	40	14	24	56	39	RBH25LA; CBM18; CBM27; RBM18; RBM27	0.75
LBK6-3-96L				18	31	96	79		RBH32LA; CBM35; RBM35
LBK6-4-51L	58	88	50	22	39	51	35	RBH40LA; CBM45; RBM45	0.85
LBK6-4-101L				22	39	101	85		1.30
LBK6-5-41L	28	50	30	14	24	41	25	RBH52LA; CBM55; RBM55	0.85
LBK6-5-91L				18	31	91	75		1.45
LBK7-6-117L	58	88	50	36	64	117	100	RBH68LA; RBH90LA; CBM68; RBM68	3.54

Chamfer Ring



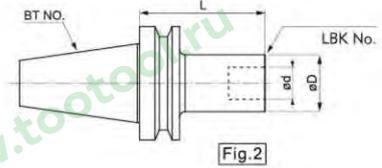
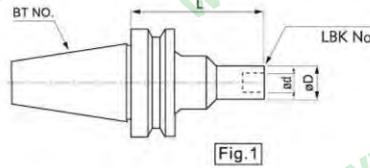
Insert of Chamfer Ring



Type	No.	Ød1	Ød2	L	Weight (kg)
CR1	LBK1	19.5	42	15	0.08
CR2	LBK2	24.5	48		0.09
CR3	LBK3	31.5	55		0.11
CR4	LBK4	39.5	64		0.14
CR5	LBK5	51	75		0.17
CR6	LBK6	65	90		0.18

Type	ØA°	L Length	B Width	Weight (kg)
CB30	30	35	14	0.015
CB45	45			
CB60	60			

Taper Shank for Boring Heads Series LBK



Specifications:

Type	Fig.	Length L (mm)	ØD (mm) External Diameter	Ød (mm) Internal Diameter	Applicable Boring Heads	Weight (kg)	
BT30-LBK1-070L	2	70	19	11	CBM22; RBM22	0.5	
BT30-LBK2-080L		80	24	14	RBH25LA; CBM18; CBM27; RBM18; RBM27	0.6	
BT30-LBK3-080L		80	31	18	RBH32LA; CBM35; RBM35	0.7	
BT30-LBK4-070L		70	39	22	RBH40LA; CBM45; RBM45	0.8	
BT30-LBK5-060L		60	50	28	BH52LA; CBM55; RBM55	0.8	
BT30-LBK6-060L		60	64	36	RBH68LA; RBH90LA; CBM68; RBM68	1.0	
BT40-LBK1-075L		2	75	19	11	CBM22; RBM22	1.0
BT40-LBK1-090L			90				1.1
BT40-LBK1-105L			105	1.2			
BT40-LBK2-085L			85	24	14	RBH25LA; CBM18; CBM27; RBM18; RBM27	1.1
BT40-LBK2-100L			100				1.2
BT40-LBK2-115L			115	1.4			
BT40-LBK3-095L			95	31	18	RBH32LA; CBM35; RBM35	1.2
BT40-LBK3-125L			125				1.5
BT40-LBK3-155L			155	1.7			
BT40-LBK4-085L			85	39	22	RBH40LA; CBM45; RBM45	1.3
BT40-LBK4-130L			130				1.9
BT40-LBK4-175L			175	2.2			
BT40-LBK5-075L			75	50	28	RBH52LA; CBM55; RBM55	1.3
BT40-LBK5-125L			125				2.3
BT40-LBK5-175L	175		3.0				
BT40-LBK6-065L	65		64	36	RBH68LA; RBH90LA; CBM68; RBM68	1.3	
BT40-LBK6-115L	115					2.7	
BT40-LBK6-165L	165		3.9				
BT40-LBK7-100L	100		88	58	RBH90A-LA~RBH160A-LA; CBM100	2.9	
BT50-LBK1-115L	1		115	Ø31(L30) / Ø19	11	CBM22; RBM22	4.0
BT50-LBK1-145L		145	4.1				
BT50-LBK2-125L		125	Ø39(L15) / Ø24	14	RBH25LA; CBM18; CBM27; RBM18; RBM27	3.9	
BT50-LBK2-155L		155				4.0	
BT50-LBK3-125L	2	125	31	18	RBH32LA; CBM35; RBM35	4.1	
BT50-LBK3-155L		155				4.2	
BT50-LBK4-115L		115	39	22	RBH40LA; CBM45; RBM45	4.3	
BT50-LBK4-145L		145				4.4	
BT50-LBK4-175L	175	4.8					
BT50-LBK4-215L	1	215	Ø50(L10) / Ø39			4.9	
BT50-LBK5-105L	2	105	50	28	RBH52LA; CBM55; RBM55	4.5	
BT50-LBK5-180L		180				5.5	
BT50-LBK5-240L		240				6.2	
BT50-LBK5-300L	1	300	Ø64(L60) / Ø50			7.6	
BT50-LBK6-095L	2	95	64	36	RBH68LA; RBH90LA; CBM68; RBM68	4.5	
BT50-LBK6-170L		170				6.3	
BT50-LBK6-230L		230				7.6	
BT50-LBK6-290L		290				9.0	
BT50-LBK6-350L	1	350	Ø90(L120) / Ø64			13.5	
BT50-LBK7-100L	2	100	88	58	CBM100; CBM200-500; RBH90, 120, 160A-LA; RBH200-500LA	4.8	
BT50-LBK7-150L		150				6.5	
BT50-LBK7-200L		200				8.0	
BT50-LBK7-250L		250				9.0	
BT50-LBK7-300L		300				10.0	
BT50-LBK7-350L		350				12.0	
BT50-LBK7-400L		400				14.0	
BT50-LBK7-450L		450				17.1	
BT50-LBK7-500L		500				18.7	
BT50-LBK7-550L		550				20.4	
BT50-FMA47.625-75		75	128	47.625	RBH600LA-RBH1600LA; CBH600-CBH1600	7.0	



E-mail: info@tootool.ru

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