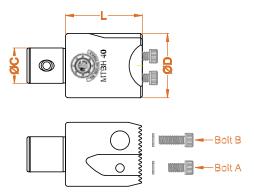
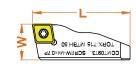


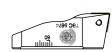
Twin Bore Head



Order Ref.	ØD	øс	L	Bolt A	Bolt B	N.W.
TBH 20	20	11	33	M3x8	M3x16	0.11
TBH 25	25	14	40	M4x10	M4x18	0.15
TBH 32	32	18	50	M5x10	M5x20	0.33
TBH 40	40	22	48	M6x12	M6x20	0.48
TBH 50	50	28	62	M6x14	M6x25	0.96
TBH 63	63	36	58	M8x16	M8x30	1.54
TBH 80	63	36	58	M8x16	M8x30	1.96
TBH 120	100	56	73	M10x20	M10x40	5.85

Twin Bore Cartridge

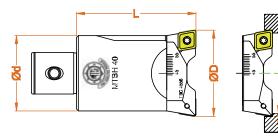






Order Ref.	Boring Head	Boring Range ØDmin ~ ØDmax	w	E	Insert	ар	Torx Screw	Torx Key	N.W.
TBC 2329	MTBH 20	23 ~ 29	10	18	CCMT 0602	0.5-1			0.01
TBC 2936	MTBH 25	29 ~ 36	12	26	CCMT 0602		M2.5	T8	0.01
TBC 3645	MTBH 32	36 ~ 45	12	32	CCMT 0602	1-2.5			0.02
TBC 4556	MTBH 40	45 ~ 56	16	40	CCMT 09T3	0.5-1	M4.0	T15	0.04
TBC 5674	MTBH 50	56 ~ 74	18	49	CCMT 09T3	1-3.5	M4.0	115	0.06
TBC 7090	МТВН 63	70 ~ 90	22	61	CCMT 1204	0.5-1			0.12
TBC 90130	МТВН 80	90 ~ 130	23	80	CCMT 1204		M5.0	T20	0.17
TBC 130190	MTBH 120	130 ~ 190	28	120	CCMT 1204	1-4.5			0.41

Twin Bore Head with Cartridge

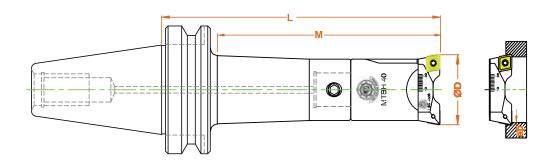


Order Ref.	Boring Range ØDmin ~ ØDmax	L	Ød	Boring Head	Cartridge	Insert	ар	N.W.
MTBH 20	23 ~ 29	42	20	TBH 20	TBC 2329	CCMT 0602	0.5-1	0.10
MTBH 25	29 ~ 36	50	25	TBH 25	TBC 2936	CCMT 0602		0.17
MTBH 32	36 ~ 45	63	32	TBH 32	TBC 3645	CCMT 0602	1-2.5	0.37
MTBH 40	45 ~ 56	63	40	TBH 40	TBC 4556	CCMT 09T3	0.5-1	0.56
MTBH 50	56 ~ 74		50	TBH 50	TBC 5674	CCMT 09T3	1-3.5	1.10
МТВН 63	70 ~ 90	80	63	TBH 63	TBC 7090	CCMT 1204	0.5-1	1.78
МТВН 80	90 ~ 130		03	TBH 80	TBC 90130	CCMT 1204		2.30
MTBH 120	130 ~ 190	100	100	TBH 120	TBC 130190	CCMT 1204	1-4.5	6.67





MTBH - Rough/Semi Finish Boring Bar - BT Shank

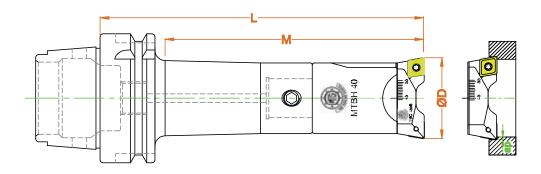


Order Ref.	ØD Range min ~ max	M	L	Basic Adaptor	Boring Head	Cartridge	Insert	ар	Torx Screw	Torx Key
BT30-MTBH20-097	23 ~ 29	68	97	BT30-M20-055	MTBH20	TBC 2329		0.5.4		
BT30-MTBH25-105	29 ~ 36	76	105	BT30-M25-055	MTBH25	TBC 2936	CCMT 0602	0.5-1	M2.5	Т8
BT30-MTBH32-118	36 ~ 45	92	118	BT30-M32-055	MTBH32	TBC 3645		1-2.5		
BT30-MTBH40-118	45 ~ 56	92	118	BT30-M40-055	MTBH40	TBC 4556	COMT COTO	0.5-1	N44.0	T45
BT30-MTBH50-125	56 ~ 74	102	125	BT30-M50-045	МТВН50	TBC 5674	CCMT 09T3	1-3.5	M4.0	T15
BT40-MTBH20-102	23 ~ 29	70	102	BT40-M20-060	MTBH20	TBC 2329		0.5-1		
BT40-MTBH25-115	29 ~ 36	83	115	BT40-M25-065	MTBH25	TBC 2936	CCMT 0602	1-2.5	M2.5	Т8
BT40-MTBH32-132	36 ~ 45	100	132	BT40-M32-070	MTBH32	TBC 3645		1-2.0		
BT40-MTBH40-132	45 ~ 56	100	132	BT40-M40-070	MTBH40	TBC 4556		0.5.4		
BT40-MTBH50-135	56 ~ 74	102	135	BT40-M50-055	МТВН50	TBC 5674	CCMT 09T3	0.5-1	M4.0	T15
BT40-MTBH50-180	30 * 74	148	180	BT40-M50-100	WITEIISO	160 3074		1-3.5		
BT40-MTBH63-135	70 ~ 90	108	135	BT40-M63-055	МТВН63	TBC 7090				
BT40-MTBH63-180	70 ~ 90	152	180	BT40-M63-100	WITBIIOS	100 7090	CCMT 1204	0.5-1	M5.0	T20
BT40-MTBH80-135	90 ~ 130	108	135	BT40-M63-055	МТВН80	TBC 90130	CCIVIT 1204		1013.0	120
BT40-MTBH80-180	90 ~ 130	152	180	BT40-M63-100	WITBIIOU	100 90130				
				1		ı				
BT50-MTBH20-122	23 ~ 29	76	122	BT50-M20-080	MTBH20	TBC 2329		0.5-1		
BT50-MTBH25-150	29 ~ 36	104	150	BT50-M25-100	MTBH25	TBC 2936	CCMT 0602	1-2.5	M2.5	Т8
BT50-MTBH32-182	36 ~ 45	136	182	BT50-M32-120	MTBH32	TBC 3645				
BT50-MTBH40-182	45 ~ 56	136	182	BT50-M40-120	MTBH40	TBC 4556				
BT50-MTBH40-244		198	244	BT50-M40-180				0.5-1		
BT50-MTBH50-145		98	145	BT50-M50-065			CCMT 09T3	1-3.5	M4.0	T15
BT50-MTBH50-245	56 ~ 74	198	245	BT50-M50-165	MTBH50	TBC 5674				
BT50-MTBH50-345		298	345	BT50-M50-265						
BT50-MTBH63-165		118	165	BT50-M63-085						
BT50-MTBH63-245	70 ~ 90	198	245	BT50-M63-165	мтвн63	TBC 7090				
BT50-MTBH63-345		298	345	BT50-M63-265						
BT50-MTBH80-165		118	165	BT50-M63-085				0.5-1		
BT50-MTBH80-245	90 ~ 130	198	245	BT50-M63-165	МТВН80	TBC 90130	CCMT 1204	1-4.5	M5.0	T20
BT50-MTBH80-345		298	345	BT50-M63-265				7.0		
BT50-MTBH120-185		144	185	BT50-M100-085						
BT50-MTBH120-265	130 ~ 190	224	265	BT50-M100-165	МТВН120	TBC 130190				
BT50-MTBH120-365		324	365	BT50-M100-265						





MTBH - Rough/Semi-Finish Boring Bar - HSK A Shank

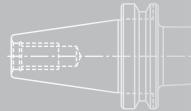


Order Ref.	ØD Range min ~ max		L	Basic Adaptor	Boring Head	Cartridge	Insert	ар	Torx Screw	Torx Key
HSK50A-MTBH20-097	23 ~ 29	65	97	HSK50A-M20-055	TBH20	TBC 2329		0.5-1		
HSK50A-MTBH25-105	29 ~ 36	75	105	HSK50A-M25-055	TBH25	TBC 2936	CCMT 0602	1-2.5	M2.5	Т8
HSK50A-MTBH32-118	36 ~ 45	88	118	HSK50A-M32-055	TBH32	TBC 3645		1-2.5		
HSK50A-MTBH40-118	45 ~ 56	88	118	HSK50A-M40-055	TBH40	TBC 4556	CCMT 09T3	0.5-1	M4.0	T15
HSK50A-MTBH50-145	56 ~ 74	115	145	HSK50A-M50-065	TBH50	TBC 5674	CCIVIT 0913	1-3.5	W4.0	115
HSK50A-MTBH63-175	70 ~ 90	145	175	HSK50A-M63-095	TBH63	TBC 7090	CCMT 1204	1-4.5	M5.0	T20

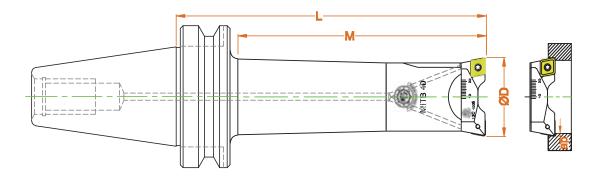
HSK63A-MTBH20-097	23 ~ 29	65	97	HSK63A-M20-055	TBH20	TBC 2329				
HSK63A-MTBH25-105	29 ~ 36	75	105	HSK63A-M25-055	TBH25	TBC 2936	CCMT 0602	0.5-1	M2.5	Т8
HSK63A-MTBH32-118	36 ~ 45	88	118	HSK63A-M32-055	- TBH32 TBC 3645		CCIVIT 0002	1-2.5	1012.5	10
HSK63A-MTBH32-163	36 ~ 45	132	163	HSK63A-M32-100						
HSK63A-MTBH40-118	45 ~ 56	88	118	HSK63A-M40-055	TBH40	TBC 4556				
HSK63A-MTBH40-163	45 ~ 56	132	163	HSK63A-M40-100	16040	160 4556	CCMT 09T3	0.5-1	M4.0	T15
HSK63A-MTBH50-145	56 ~ 74	115	145	HSK63A-M50-065	TBH50	TBC 5674	CCIVIT 0913	1-3.5	1014.0	113
HSK63A-MTBH50-200	56 ~ 74	170	200	HSK63A-M50-120	16030	160 3674				
HSK63A-MTBH63-150	70 ~ 90	120	150	HSK63A-M63-070	TBH63	TBC 7090				
HSK63A-MTBH63-200	70~90	170	200	HSK63A-M63-120	1000	160 7090	CCMT 1204	0.5-1	MEO	T20
HSK63A-MTBH80-150	90 ~ 130	120	150	HSK63A-M63-070	TBH80	TBC 90130	CCIVIT 1204	1-4.5	M5.0	120
HSK63A-MTBH80-200	90 ~ 130	170	200	HSK63A-M63-120	1000	100 90130				

HSK100A-MTBH20-107	23 ~ 29	70	107	HSK100A-M20-065	TBH20	TBC 2329				
HSK100A-MTBH25-115	29 ~ 36	80	115	HSK100A-M25-065	TBH25	TBC 2936	CCMT 0602	0.5-1	MOE	T8
HSK100A-MTBH32-128	36 ~ 45	92	128	HSK100A-M32-065	TBH32	TBC 3645	CCIVIT 0002	1-2.5	M2.5	10
HSK100A-MTBH32-183	36 ~ 45	148	183	HSK100A-M32-120						
HSK100A-MTBH40-128	45 ~ 56	92	128	HSK100A-M40-065	TBH40	TBC 4556				
HSK100A-MTBH40-183	45 ~ 56	148	183	HSK100A-M40-120	ТБП40	160 4556	CCMT 09T3	0.5-1	M4.0	T15
HSK100A-MTBH50-145	56 ~ 74	110	145	HSK100A-M50-065	TBH50	TBC 5674	CCMII 0913	1-3.5	W4.0	1115
HSK100A-MTBH50-200	56 ~ 74	165	200	HSK100A-M50-120	ТБПЗО	160 3674				
HSK100A-MTBH63-155	70 ~ 90	120	155	HSK100A-M63-075	TBH63	TBC 7090				
HSK100A-MTBH63-210	70~90	175	210	HSK100A-M63-130	тьпоэ	160 7090				
HSK100A-MTBH80-155	90 ~ 130	120	155	HSK100A-M63-075	TBH80	TBC 00120	CCMT 1204	0.5-1	M5.0	T20
HSK100A-MTBH80-210	90 ~ 130	175	210	HSK100A-M63-130	10000	100 90130	CCWIT 1204	1-4.5	IVIO.U	120
HSK100A-MTBH120-185	130 ~ 190	150	185	HSK100A-M100-085		TBC 130190				
HSK100A-MTBH120-240		205	240	HSK100A-M100-140		130190				





MITB - Integral Twin Edge Boring Bar - BT Shank



Order Ref.	Boring Range ØDmin ~ ØDmax	М	L	Cartridge	Insert	ар	Torx Screw	Torx Key
BT30-MITB20-90	23 ~ 29	64	90	TBC 2329		0.5.4		
BT30-MITB25-100	29 ~ 36	74	100	TBC 2936	CCMT 0602	0.5-1	M2.5	Т8
BT30-MITB32-105	36 ~ 45	79	105	TBC 3645		1-2.5		
BT30-MITB40-120	45 ~ 56	94	120	TBC 4556	CCMT 09T3	0.5-1	M4.0	T15
BT30-MITB50-120	56 ~ 74	94	120	TBC 5674	CCIVIT 0913	1-3.5	1014.0	115
BT30-MITB63-120	70 ~ 90	94	120	TBC 7090	CCMT 1204	1-4.5	M5.0	T20

BT40-MITB20-100	23 ~ 29	68	100	TBC 2329				
BT40-MITB25-105	29 ~ 36	73	105	TBC 2936		0.5-1		
BT40-MITB25-135	29 ~ 36	102	135	TBC 2936	CCMT 0602		M2.5	Т8
BT40-MITB32-120	36 ~ 45	88	120	TBC 3645		1-2.5		
BT40-MITB32-150	36 ~ 45	118	150	TBC 3043				
BT40-MITB40-135	45 ~ 56	102	135	TBC 4556				
BT40-MITB40-165	45 ~ 56	132	165	160 4550	CCMT 09T3	0.5-1	M4.0	T15
BT40-MITB50-150	56 ~ 74	118	150	TBC 5674	CCIVIT 0913	1-3.5	1014.0	115
BT40-MITB50-180	56 ~ 74	148	180	TBC 3074				
BT40-MITB63-150	70 ~ 90	118	150	TBC 7090		0.5-1		
BT40-MITB63-210	70 ~ 90	178	210	160 7090	CCMT 1204	1-4.5	M5.0	T20
BT40-MITB80-165	90 ~ 130	132	165	TBC 90130		1-4.5		

BT50-MITB20-120	23 ~ 29	75	120	TBC 2329				
BT50-MITB25-135	29 ~ 36	90	135	TBC 2936		0.5-1		
BT50-MITB25-150	29 ~ 36	105	150	TBC 2930	CCMT 0602	1-2.5	M2.5	Т8
BT50-MITB32-135	36 ~ 45	90	135	TBC 3645				
BT50-MITB32-165	36 ~ 45	120	165	TBC 3045				
BT50-MITB40-150	45 ~ 56	106	150	TBC 4556				
BT50-MITB40-180	45 ~ 56	136	180	TBC 4556	CCMT 09T3	0.5-1	M4.0	T15
BT50-MITB50-150	56 ~ 74	106	150	TBC 5674	CCIVIT 0913	1-3.5	171-4.0	113
BT50-MITB50-180	56 ~ 74	136	180	TBC 5674				
BT50-MITB63-165	70 ~ 90	120	165	TBC 7090				
BT50-MITB63-210	70 ~ 90	166	210	TBC 7090		0.5-1		
BT50-MITB80-180	90 ~ 130	136	180	TBC 90130	CCMT 1204		M5.0	T20
BT50-MITB80-240	90 ~ 130	195	240	160 90130		1-4.5		
BT50-MITB120-210	130 ~ 190	170	210	TBC 130190				