镗孔刀具系列
BORING TOOL SERIES



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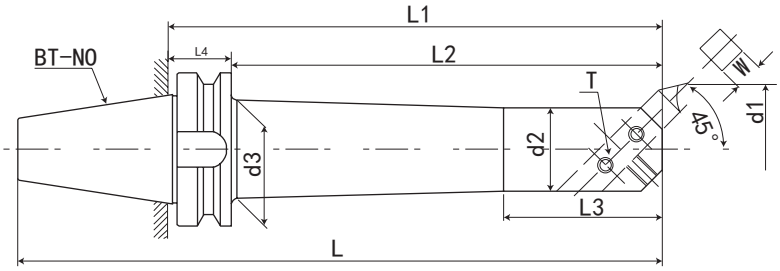


镗孔刀具系列
BORING TOOL SERIES

BT-BSA 45°粗镗刀杆（盲孔）

BT-BSA 45° DEGREE SLANT-INSERTED TYPE ROUGH BORING HOLDERS





P.J04

P.I29

规格 / 型号 Model	d1		d2	d3	L	L1	L2	L3	L4	W 方孔	T 螺孔	重量 KGS
	最小加工孔 Min	最大加工孔 Max										
BT40-BSA25-120L	25	38	20	22	185.4	120	93	35	27	8	M6	1.2
BT40-BSA30-150L	30	42	24	26	215.4	150	123	40	27	8	M6	1.4
BT40-BSA38-165L	38	52	30	33	230.4	165	138	50	27	10	M8	1.7
BT40-BSA42-165L	42	56	34	37	230.4	165	138	50	27	10	M8	2
BT40-BSA50-165L	50	65	40	44	230.4	165	138	65	27	13	M8	2.3
BT40-BSA62-180L	62	90	50	56	245.4	180	153	80	27	16	M10	2.4
BT40-BSA72-180L	72	110	60	-	245.4	180	153	95	27	19	M10	3.9
BT40-BSA90-180L	90	125	75	-	245.4	180	153	110	27	19	M10	5.2
规格 / 型号 Model	d1		d2	d3	L	L1	L2	L3	L4	W 方孔	T 螺孔	重量 KGS
	最小加工孔 Min	最大加工孔 Max										
BT50-BSA25-135L	25	38	20	22	236.8	135	97	35	38	8	M6	4.2
BT50-BSA25-185L	25	38	20	22	286.8	185	147	35	38	8	M6	4.4
BT50-BSA30-165L	30	42	24	26	266.8	165	127	40	38	8	M6	4.4
BT50-BSA38-180L	38	52	30	33	281.8	180	142	50	38	10	M8	4.8
BT50-BSA38-240L	38	52	30	33	341.8	240	202	50	38	10	M8	5
BT50-BSA42-210L	42	56	34	37	311.8	210	172	60	38	10	M8	5
BT50-BSA50-180L	50	65	40	44	281.8	180	142	65	38	13	M10	5.4
BT50-BSA50-240L	50	65	40	44	341.8	240	202	65	38	13	M10	5.7
BT50-BSA50-300L	50	65	40	44	401.8	300	262	65	38	13	M10	6
BT50-BSA62-195L	62	90	50	56	296.8	195	157	80	38	16	M10	6.2
BT50-BSA62-270L	62	90	50	56	371.8	270	232	80	38	16	M10	7.6
BT50-BSA62-350L	62	90	50	56	451.8	350	312	80	38	16	M10	9
BT50-BSA62-400L	62	90	50	56	501.8	400	362	80	38	16	M10	10.4
BT50-BSA72-195L	72	110	60	66	296.8	195	157	95	38	19	M10	7
BT50-BSA72-285L	72	110	60	66	386.8	285	247	95	38	19	M10	9.2
BT50-BSA72-350L	72	110	60	66	451.8	350	312	95	38	19	M10	10.8
BT50-BSA72-400L	72	110	60	66	501.8	400	362	95	38	19	M10	12.4
BT50-BSA90-210L	90	125	75	80	311.8	210	172	110	38	19	M12	9.3
BT50-BSA90-300L	90	125	75	80	401.8	300	262	110	38	19	M12	12.3
BT50-BSA90-350L	90	125	75	80	451.8	350	312	110	38	19	M12	15.3
BT50-BSA105-195L	105	160	90	-	296.8	195	157	-	38	25	M12	10.7
BT50-BSA105-285L	105	160	90	94	386.8	285	247	130	38	25	M12	15
BT50-BSA105-300L	105	160	90	94	401.8	300	262	130	38	25	M12	13.2
BT50-BSA130-255L	130	190	110	-	356.8	255	217	120	38	25	M12	14.5
BT50-BSA130-300L	130	190	110	-	401.8	300	262	120	38	25	M12	18.5

特点：

注：

◎适用于孔径凹凸不平，毛胚粗糙之加工物

◎可选用四角形焊刃刀具或舍弃式刀具

◎镗盲孔专用

◎拉钉及镗刀头须另购

Features:

◎ Suitable for processing uneven aperture and rough wool embryo.

◎ Selects the four square brazed or throw away cutting tool.

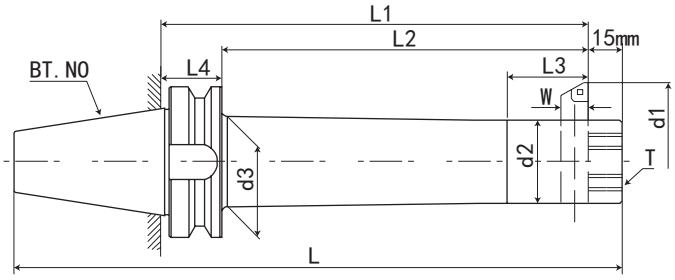
◎ Particularly suitable for boring blind holes.

◎ The pull stud must purchase alone.

镗孔刀具系列 BORING HEAD

BT-BSB 90°粗镗刀杆（通孔） BT-BSB 90° DEGREE SLANT-INSERTED TYPE ROUGH BORING HOLDERS





P.J04

P.I29

规格 / 型号 Model	d1		d2	d3	L	L1	L2	L3	L4	W 方孔	T 螺纹	重量 KGS
	最小加工孔 Min	最大加工孔 Max										
BT40-BSB25-120L	25	52	20	22	200.4	120	93	35	27	8	M6	1.2
BT40-BSB30-150L	30	57	25	27	230.4	150	123	40	27	8	M6	1.5
BT40-BSB38-165L	38	70	30	33	245.4	165	138	55	27	10	M8	1.7
BT40-BSB42-165L	42	74	34	37	245.4	165	138	55	27	10	M8	2
BT40-BSB50-165L	50	90	40	44	245.4	165	138	55	27	13	M10	2.5
BT40-BSB62-180L	62	115	50	56	260.4	180	153	80	27	16	M10	3.6
BT40-BSB72-180L	72	125	60	66	260.4	180	153	80	27	19	M12	4.6
BT40-BSB90-180L	90	150	75	-	260.4	180	153	115	27	19	M12	5.9
规格 / 型号 Model	d1		d2	d3	L	L1	L2	L3	L4	W 方孔	T 螺纹	重量 KGS
	最小加工孔 Min	最大加工孔 Max										
BT50-BSB25-135L	25	52	20	22	251.8	135	97	35	38	8	M6	4.3
BT50-BSB25-185L	25	52	20	22	301.8	185	147	35	38	8	M6	4.4
BT50-BSB30-165L	30	42	24	26	281.8	165	127	40	38	8	M6	4.2
BT50-BSB38-180L	38	70	30	33	296.8	180	142	55	38	10	M8	4.9
BT50-BSB38-240L	38	70	30	33	356.8	240	202	55	38	10	M8	5.2
BT50-BSB42-210L	42	56	34	37	326.8	210	172	60	38	10	M8	5.0
BT50-BSB50-180L	50	90	40	44	296.8	180	142	70	38	13	M10	5.5
BT50-BSB50-240L	50	90	40	44	356.8	240	202	70	38	13	M10	6.1
BT50-BSB50-300L	50	90	40	44	416.8	300	262	70	38	13	M10	6.7
BT50-BSB62-195L	62	115	50	56	311.8	195	157	80	38	16	M10	6.4
BT50-BSB62-270L	62	115	50	56	386.8	270	232	80	38	16	M10	7.8
BT50-BSB62-350L	62	115	50	56	466.8	350	312	80	38	16	M10	8.8
BT50-BSB62-400L	62	115	50	56	516.8	400	362	80	38	16	M10	10.2
BT50-BSB72-195L	72	135	60	66	311.8	195	157	95	38	19	M12	7.3
BT50-BSB72-285L	72	135	60	66	401.8	285	247	95	38	19	M12	9.6
BT50-BSB72-350L	72	135	60	66	466.8	350	312	95	38	19	M12	11.6
BT50-BSB72-400L	72	135	60	66	516.8	400	362	95	38	19	M12	13.6
BT50-BSB90-210L	90	150	75	80	326.8	210	172	115	38	19	M12	9.7
BT50-BSB90-300L	90	150	75	80	416.8	300	262	115	38	19	M12	12.8
BT50-BSB90-350L	90	150	75	80	466.8	350	312	115	38	19	M12	16
BT50-BSB105-195L	105	190	90	90	311.8	195	157	-	38	25	M12	11.4
BT50-BSB105-285L	105	190	90	94	401.8	285	247	135	38	25	M12	15.7
BT50-BSB105-300L	105	190	90	94	416.8	300	262	135	38	25	M12	17
BT50-BSB130-255L	130	260	110	-	371.8	255	217	60	38	25	M12	14.1
BT50-BSB130-300L	130	260	110	-	416.8	300	262	60	38	25	M12	18



特点：

注：

◎适用于孔径凹凸不平，毛胚粗糙之加工物

◎可选用四角形熔焊刀具或捨弃式刀具

◎镗通孔专用

◎拉钉及镗刀头须另购

Features:

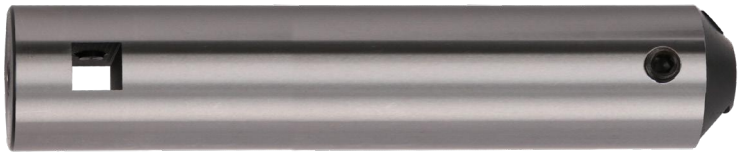
◎ Suitable for processing uneven aperture and rough wool embryo.

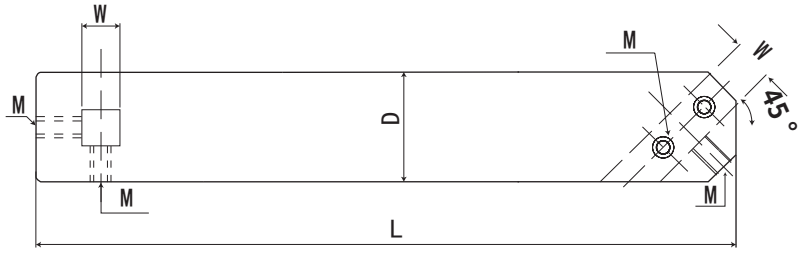
◎ Selects the four square brazed or throw away cutting tool.

◎ Suitable for boring through holes.

◎ The pull stud must purchase alone.

直柄镗刀杆（通孔 / 盲孔多用） STRAIGHT BORING HOLDER





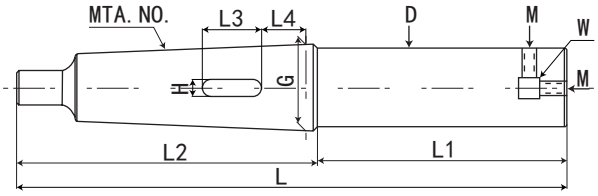




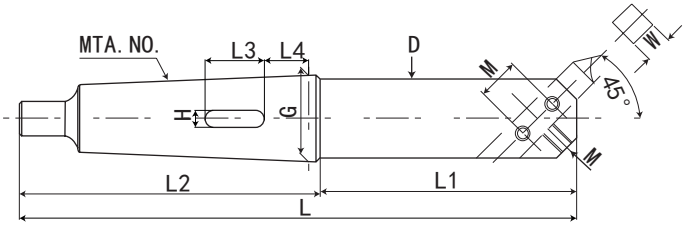
规格 / 型号 Model	ϕD 镗孔范围 Boring Range		L	D	侧边固定螺丝	镗孔角度	镗孔尺寸 W	重量 KGS
	Min.	Max.						
C16-BS150	18	28	150	16	M5×0.8P-5L	90° / 45°	6	0.24
C18-BS180	20	32	180	18	M5×0.8P-5L	90° / 45°	6	0.38
C20-BS200	22	36	200	20	M6×1.0P-6L	90° / 45°	8	0.50
C25-BS250	28	45	250	25	M6×1.0P-6L	90° / 45°	8	1.00
C32-BS300	36	58	300	32	M8×1.25P-10L	90° / 45°	10	1.88
C42-BS300	48	75	300	42	M10×1.5P-10L	90° / 45°	13	3.18

MTA 莫氏带扁尾粗镗刀杆 MTA TAPER ADAPTER(MORSE) STRAIGHT BORING HOLDER







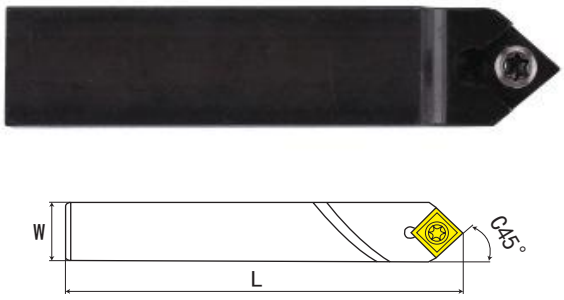


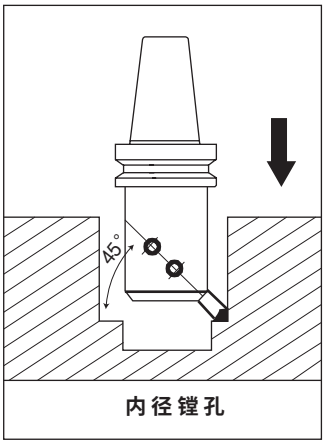
由于每个客户加工的孔径大小孔深都不一样，此款镗刀杆不备现货，需要根据客户的要求参考此图定做。客户只需告知 D 有效直径，L1 有效长度，W 方孔尺寸和锥柄型号即可。

规格 / 型号 Model	L	L1	L2	L3	L4	D	W	M	G
MTA3			99	-	-				23.825
MTA4			124	-	-				31.267
MTA5			156	40	35				44.399
MTA6			218	40	45				63.348
公制 80			228	45	55				80.00

镗孔刀具系列 BORING HEAD

BSA 镗刀头 BSA INTERCHANGEABLE BORING CUTTER





规格 / 型号 Model	刀方 W	长度 L	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 KGS
BSA1	8*8	L35	CCMT060204	M2.5*6.0	T9	0.04
BSA2	10*10	L50	CCMT060204	M2.5*6.0	T9	0.06
BSA3	13*13	L60	CCMT09T308	M4*10.0	T15	0.12
BSA4	16*16	L75	CCMT09T308	M4*10.0	T15	0.27
BSA5	19*19	L95	CCMT120408	M5*12.0	T20	0.41
BSA6	25*25	L110	CCMT120408	M5*12.0	T20	0.75

特点:

注:

◎适用于 BSA 盲孔粗镗刀杆

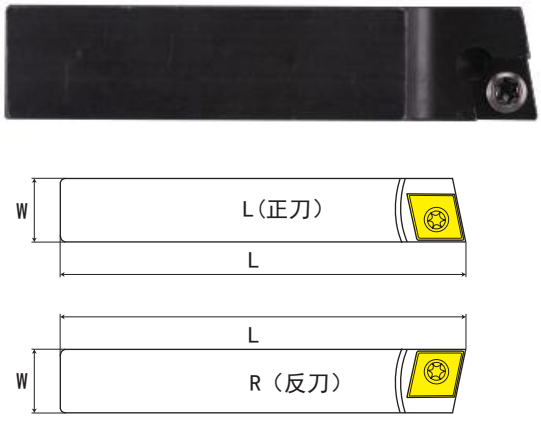
◎ BSA 适合重切削加工

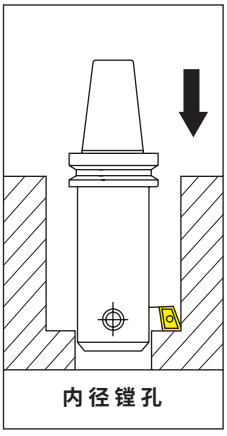
Features:

◎ Fit BSA BSB rough boring cutter and ABH precise one.

◎ BSA is fit heavy cutting processing.

BSB 镗刀头 BSB INTERCHANGEABLE BORING CUTTER





规格 / 型号 Model	刀方 W	长度 L	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 KGS
BSB1	8*8	L35	CCMT060204	M2.5*6.0	T9	0.04
BSB2	10*10	L50	CCMT060204	M2.5*6.0	T9	0.06
BSB3	13*13	L60	CCMT09T308	M4*10.0	T15	0.12
BSB4	16*16	L75	CCMT09T308	M4*10.0	T15	0.27
BSB5	19*19	L95	CCMT120408	M5*12.0	T20	0.41
BSB6	25*25	L110	CCMT120408	M5*12.0	T20	0.75

特点:

注:

◎适用于 BSB 通孔粗镗刀杆

◎ BSB 适合重切削加工

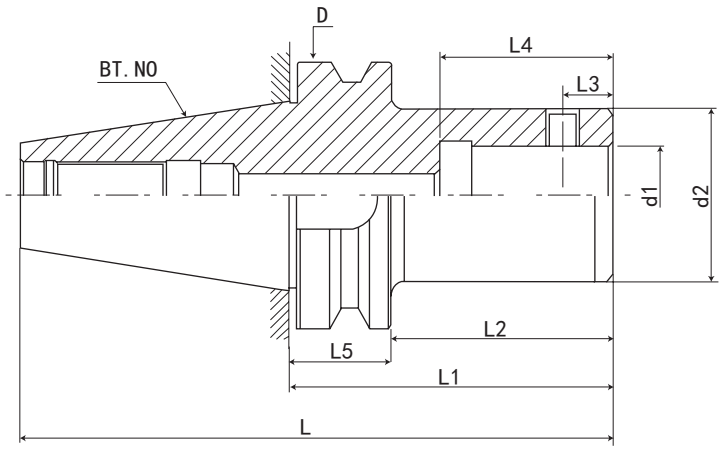
Features:

◎ Fit BSB rough boring cutter and ABH precise one.

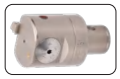
◎ BSB is fit heavy cutting processing.

BT-LBK 镗头刀柄 BT-LBK BORING HEAD SHANK






P.I29


P.J39


P.I30

规格 / 型号 Model	L	L1	L2	L3	L4	L5	D	d2	d1	侧边螺丝 Screw	重量 KGS
BT30-LBK1-55L	103.4	55	33	5.05	30	22	46	19	11	M4*0.5P	0.7
BT30-LBK1-70L	118.4	70	48	5.05	30	22	46	19	11	M4*0.5P	0.7
BT30-LBK2-80L	128.4	80	58	6.62	31	22	46	24	14	M5*0.5P	0.8
BT30-LBK3-80L	128.4	80	58	8	35	22	46	31	18	M6*0.75P	0.9
BT30-LBK4-70L	118.4	70	48	10	39	22	46	39	22	M8*0.75P	1.0
BT30-LBK5-60L	108.4	60	38	13	45	22	46	50	28	M10*1.0P	1.1
BT30-LBK6-60L	108.4	60	38	16	55	22	46	63	36	M12*1.0P	1.2
规格 / 型号 Model	L	L1	L2	L3	L4	L5	D	d2	d1	侧边螺丝 Screw	重量 KGS
BT40-LBK1-75L	140.4	75	48	5.05	30	27	63	19	11	M4*0.5P	1
BT40-LBK1-105L	170.4	105	78	5.05	30	27	63	19	11	M4*0.5P	1.2
BT40-LBK2-85L	150.4	85	58	6.62	31	27	63	24	14	M5*0.5P	1.2
BT40-LBK2-115L	180.4	115	88	6.62	31	27	63	24	14	M5*0.5P	1.3
BT40-LBK3-95L	160.4	95	68	8	35	27	63	31	18	M6*0.75P	1.3
BT40-LBK3-125L	190.4	125	98	8	35	27	63	31	18	M6*0.75P	1.2
BT40-LBK3-155L	220.4	155	128	8	35	27	63	31	18	M6*0.75P	1.6
BT40-LBK3-185L	250.4	185	158	8	35	27	63	31	18	M6*0.75P	1.7
BT40-LBK4-85L	150.4	85	58	10	39	27	63	39	22	M8*0.75P	1.45
BT40-LBK4-130L	195.4	130	103	10	39	27	63	39	22	M8*0.75P	1.5
BT40-LBK4-175L	240.4	175	148	10	39	27	63	39	22	M8*0.75P	2.1
BT40-LBK4-205L	270.4	205	178	10	39	27	63	39	22	M8*0.75P	2.2
BT40-LBK4-250L	315.4	250	223	10	39	27	63	39	22	M8*0.75P	2.3
BT40-LBK5-75L	140.4	75	48	13	45	27	63	50	28	M10*1.0P	1.7
BT40-LBK5-125L	190.4	125	98	13	45	27	63	50	28	M10*1.0P	1.95
BT40-LBK5-175L	240.4	175	148	13	45	27	63	50	28	M10*1.0P	3
BT40-LBK5-205L	270.4	205	178	13	45	27	63	50	28	M10*1.0P	3.2
BT40-LBK5-250L	315.4	250	223	13	45	27	63	50	28	M10*1.0P	3.5
BT40-LBK6-65L	130.4	65	38	16	55	27	63	63	36	M12*1.0P	2.15
BT40-LBK6-115L	180.4	115	88	16	55	27	63	63	36	M12*1.0P	3.5
BT40-LBK6-165L	230.4	165	138	16	55	27	63	63	36	M12*1.0P	3.85
BT40-LBK6-205L	270.4	205	178	16	55	27	63	63	36	M12*1.0P	4.1

特点：

注：

◎内孔公差 H6

◎整支通孔，利于出水及抗震

◎可共用并互容于大多数“LBK" 系列

◎侧边锁固螺丝与键槽呈 90 度，确保镗孔切削完毕时的相对位置

◎锁固时请使用螺丝防卡油防止因镗孔加工扭力过大，导致螺丝卡死难以拆卸组装

◎拉钉须另行购买

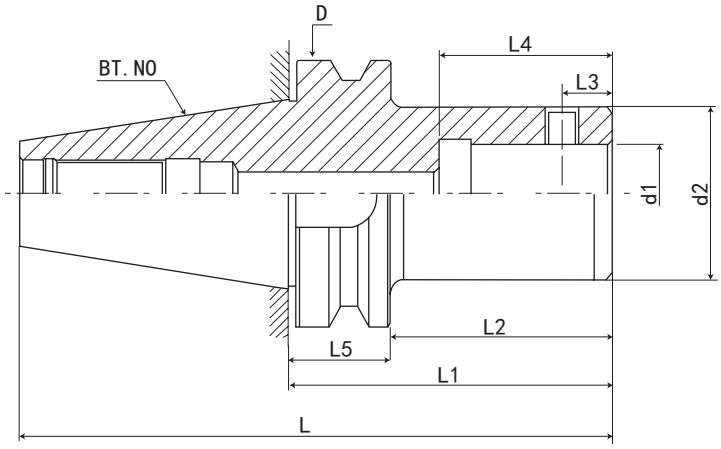
Features:

◎ Internal tolerance is H6.
◎ The entire through hole,favors the water leakage and quakeproof.
◎ May use in common and the mutual capacitance in majority "LBK"Series.
◎ The side locks the solid screw and the key slot assumes 90 degrees,guaranteed that time the boring cutting function draws back the knife phase.
◎ Because locks is solid when please do use the screw against card oil to prevent to process the torsion to be oversized boring ,Causes the screw deactivation to disassemble the assembly with difficulty.
◎ The pull stud must purchase alone.

镗孔刀具系列 BORING HEAD

BT50-LBK 镗头刀柄 BT50-LBK BORING HEAD SHANK






P.I29


P.J39

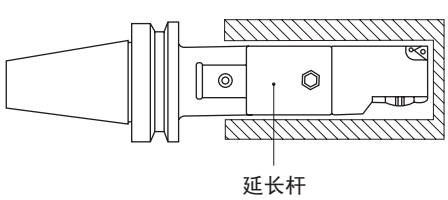

P.I30

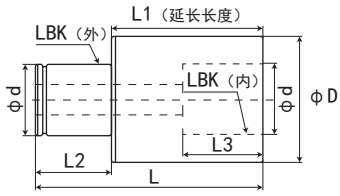
规格 / 型号 Model	L	L1	L2	L3	L4	L5	D	d2	d1	侧边螺丝 Screw	重量 KGS
BT50-LBK1-90L	191.8	90	52	5.05	30	38	100	19	11	M4*0.5P	3.7
BT50-LBK1-115L	216.8	115	77	5.05	30	38	100	19	11	M4*0.5P	3.9
BT50-LBK1-145L	246.8	145	107	5.05	30	38	100	19	11	M4*0.5P	4.4
BT50-LBK1-175L	276.8	175	137	5.05	30	38	100	19	11	M4*0.5P	4.5
BT50-LBK2-90L	191.8	90	52	6.62	31	38	100	24	14	M5*0.5P	3.8
BT50-LBK2-110L	211.8	110	72	6.62	31	38	100	24	14	M5*0.5P	4
BT50-LBK2-140L	241.8	140	102	6.62	31	38	100	24	14	M5*0.5P	5
BT50-LBK2-175L	276.8	175	137	6.62	31	38	100	24	14	M5*0.5P	4.2
BT50-LBK3-90L	191.8	90	52	8	35	38	100	31	18	M6*0.75P	4.4
BT50-LBK3-125L	226.8	125	87	8	35	38	100	31	18	M6*0.75P	4.4
BT50-LBK3-155L	256.8	155	117	8	35	38	100	31	18	M6*0.75P	4.6
BT50-LBK3-185L	286.8	185	147	8	35	38	100	31	18	M6*0.75P	4.4
BT50-LBK3-215L	316.8	215	177	8	35	38	100	31	18	M6*0.75P	4.65
BT50-LBK4-90L	191.8	90	52	10	39	38	100	39	22	M6*0.75P	4.6
BT50-LBK4-115L	216.8	115	77	10	39	38	100	39	22	M8*0.75P	4.8
BT50-LBK4-145L	246.8	145	107	10	39	38	100	39	22	M8*0.75P	5.2
BT50-LBK4-175L	276.8	175	137	10	39	38	100	39	22	M8*0.75P	4.6
BT50-LBK4-205L	306.8	205	167	10	39	38	100	39	22	M8*0.75P	4.85
BT50-LBK4-250L	351.8	250	212	10	39	38	100	39	22	M8*0.75P	5.2
BT50-LBK4-300L	401.8	300	262	10	39	38	100	39	22	M8*0.75P	5.5
BT50-LBK4-350L	451.8	350	312	10	39	38	100	39	22	M8*0.75P	5.8
BT50-LBK5-95L	196.8	95	57	13	45	38	100	50	28	M10*1.0P	5.4
BT50-LBK5-105L	206.8	105	67	13	45	38	100	50	28	M10*1.0P	5.5
BT50-LBK5-150L	251.8	150	112	13	45	38	100	50	28	M10*1.0P	6
BT50-LBK5-180L	281.8	180	142	13	45	38	100	50	28	M10*1.0P	6.2
BT50-LBK5-240L	341.8	240	202	13	45	38	100	50	28	M10*1.0P	6.4
BT50-LBK5-270L	371.8	270	232	13	45	38	100	50	28	M10*1.0P	6.7
BT50-LBK5-300L	401.8	300	262	13	45	38	100	50	28	M10*1.0P	7
BT50-LBK5-350L	451.8	350	312	13	45	38	100	50	28	M10*1.0P	7.3
BT50-LBK6-95L	196.8	95	57	16	55	38	100	63	36	M12*1.0P	5.9
BT50-LBK6-150L	251.8	150	112	16	55	38	100	63	36	M12*1.0P	6.5
BT50-LBK6-170L	271.8	170	132	16	55	38	100	63	36	M12*1.0P	6.3
BT50-LBK6-205L	306.8	205	167	16	55	38	100	63	36	M12*1.0P	6.9
BT50-LBK6-230L	331.8	230	192	16	55	38	100	63	36	M12*1.0P	7.45
BT50-LBK6-270L	371.8	270	232	16	55	38	100	63	36	M12*1.0P	8.2
BT50-LBK6-300L	401.8	300	262	16	55	38	100	63	36	M12*1.0P	9.5
BT50-LBK6-350L	451.8	350	312	16	55	38	100	63	36	M12*1.0P	10.8
BT50-LBK6-400L	501.8	400	362	16	55	38	100	63	36	M12*1.0P	11.8
BT50-LBK6-450L	551.8	450	412	16	55	38	100	63	36	M12*1.0P	12.8

LBK 等径镗刀延长杆 LBK EXTENSION CONSTANT DIAMETER

等径镗刀延长杆（镗孔深度不够 LBK 刀柄不够长时最佳选择）





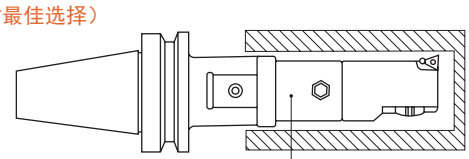


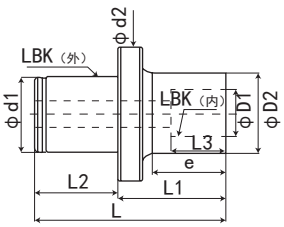
规格 / 型号 Model	LBK（外）	LBK（内）	ϕd	ϕD	L	L1	L2	L3	连接镗刀头型号 Applicable Boring Heads	侧边螺丝 Screw	重量 KGS
LBK1-1-30L	LBK1	LBK1	11	19	43	30	13	18	CBH20/RBH20	M4*0.5P	0.07
LBK1-1-100L	LBK1	LBK1	11	19	113	100	13	18	CBH20/RBH20	M4*0.5P	0.24
LBK2-2-30L	LBK2	LBK2	14	24	46	30	16	21	CBH25/RBH25	M5*0.5P	0.1
LBK2-2-100L	LBK2	LBK2	14	24	116	100	16	21	CBH25/RBH25	M5*0.5P	0.35
LBK2-2-150L	LBK2	LBK2	14	24	166	150	16	21	CBH25/RBH25	M5*0.5P	0.6
LBK3-3-30L	LBK3	LBK3	14	31	50	30	20	25	CBH32/RBH32	M6*0.75P	0.15
LBK3-3-100L	LBK3	LBK3	18	31	120	100	20	25	CBH32/RBH32	M6*0.75P	0.52
LBK3-3-150L	LBK3	LBK3	18	31	170	150	20	25	CBH32/RBH32	M6*0.75P	0.9
LBK4-4-45L	LBK4	LBK4	22	39	69	45	24	29	CBH40/RBH40	M8*0.75P	0.4
LBK4-4-100L	LBK4	LBK4	22	39	124	100	24	29	CBH40/RBH40	M8*0.75P	1.4
LBK4-4-150L	LBK4	LBK4	22	39	174	150	24	29	CBH40/RBH40	M8*0.75P	2.4
LBK5-5-60L	LBK5	LBK5	28	50	90	60	30	35	CBH52/RBH52	M10*1.0P	0.8
LBK5-5-100L	LBK5	LBK5	28	50	130	100	30	35	CBH52/RBH52	M10*1.0P	2.8
LBK5-5-150L	LBK5	LBK5	28	50	180	150	30	35	CBH52/RBH52	M10*1.0P	3.8
LBK6-6-60L	LBK6	LBK6	36	64	100	60	40	45	CBH68/CBH100/CBH150/RBH68/RBH90	M12*1.0P	1.4
LBK6-6-100L	LBK6	LBK6	36	64	140	100	40	45	CBH68/CBH100/CBH150/RBH68/RBH90	M12*1.0P	2.5
LBK6-6-150L	LBK16	LBK6	36	64	190	150	40	45	CBH68/CBH100/CBH150/RBH68/RBH90/NBJ16	M12*1.0P	3.4

LBK 异径镗刀延长杆 LBK EXTENSION REDUCING

异径镗刀延长杆（镗刀 LBK 刀柄要变换接口型号时最佳选择）





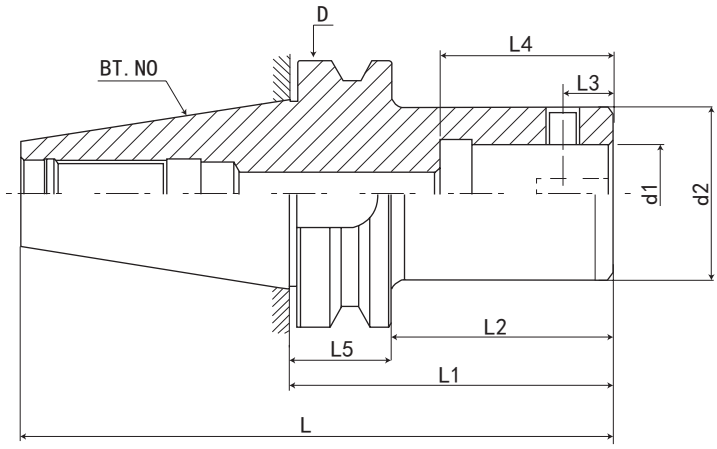


规格 / 型号 Model	LBK（外）	LBK（内）	ϕd1	ϕd2	ϕD1	ϕD2	L	L1	L2	L3	e	连接镗刀头型号 Applicable Boring Heads	侧边螺丝 Screw	重量 KGS
LBK2-1-36L	LBK2	LBK1	14	24	11	19	52	36	16	18	30	CBH20/RBH20	M4*0.5P	0.1
LBK3-1-41L	LBK3	LBK1	18	31	11	19	61	41	20	18	30	CBH20/RBH20	M4*0.5P	0.15
LBK3-2-37L	LBK3	LBK2	18	31	14	24	57	37	20	21	25	CBH25/RBH25	M5*0.5P	0.15
LBK4-1-58L	LBK4	LBK1	22	39	11	19	82	58	24	18	40	CBH20/RBH20	M4*0.5P	0.3
LBK4-2-50L	LBK4	LBK2	22	39	14	24	74	50	24	21	36	CBH25/RBH25	M5*0.5P	0.3
LBK4-3-50L	LBK4	LBK3	22	39	18	31	74	50	24	25	37	CBH32/RBH32	M6*0.75P	0.35
LBK5-1-60L	LBK5	LBK1	28	50	11	19	90	60	30	18	40	CBH20/RBH20	M4*0.5P	0.45
LBK5-2-54L	LBK5	LBK2	28	50	14	24	84	54	30	21	35	CBH25/RBH25	M5*0.5P	0.45
LBK5-2-74L	LBK5	LBK2	28	50	14	24	101	71	30	21	55	CBH25/RBH25	M5*0.5P	0.5
LBK5-3-4 7L	LBK5	LBK3	28	50	18	31	77	47	30	25	29	CBH32/RBH32	M6*0.75P	0.5
LBK5-3-72L	LBK5	LBK3	28	50	18	31	102	72	30	25	54	CBH32/RBH32	M6*0.75P	0.6
LBK5-4-42L	LBK5	LBK4	28	50	22	39	72	42	30	29	25	CBH40/RBH40	M8*0.75P	0.5
LBK5-4-67L	LBK5	LBK4	28	50	22	39	97	67	30	29	50	CBH40/RBH40	M8*0.75P	0.45
LBK6-1-70L	LBK6	LBK1	36	64	11	19	110	70	40	18	40	CBH20/RBH20	M4*0.5P	0.90
LBK6-2-63L	LBK6	LBK2	36	64	14	24	103	63	40	21	45	CBH25/RBH25	M5*0.5P	0.7
LBK6-2-93L	LBK6	LBK2	36	64	14	24	133	93	40	21	75	CBH25/RBH25	M5*0.5P	0.8
LBK6-3-56L	LBK6	LBK3	36	64	18	31	96	56	40	25	39	CBH32/RBH32	M6*0.75P	0.75
LBK6-3-96L	LBK6	LBK3	36	64	18	31	96	56	40	25	79	CBH32/RBH32	M6*0.75P	0.95
LBK6-4-51L	LBK6	LBK4	36	64	22	39	91	51	40	29	35	CBH40/RBH40	M8*0.75P	0.85
LBK6-4-101L	LBK6	LBK4	36	64	22	39	141	101	40	29	85	CBH40/RBH40	M8*0.75P	1.3
LBK6-5-41L	LBK6	LBK5	36	64	28	50	81	41	40	35	25	CBH52/RBH52	M10*1.0P	0.85
LBK6-5-91L	LBK6	LBK5	36	64	28	50	131	91	40	35	75	CBH52/RBH52	M10*1.0P	1.45
BST-LBK6	BST	LBK6	50	95	36	64	-	100	-	45	60	CBH68/CBH100/CBH150/ RBH68/RBH90/NBJ16	M12*1.0P	3.32

镗孔刀具系列 BORING HEAD

BT30/40-CK 镗头刀柄 BT30/40-CK BORING HEAD SHANK






P.I29


P.J39


P.I30

规格 / 型号 Model	L	L1	L2	L3	L4	L5	D	d2	d1	侧边螺丝 Screw	重量 KGS
BT30-CK1-55L	103.4	55	33	5.05	30	22	46	19	11	M4*0.5P	0.7
BT30-CK1-70L	118.4	70	48	5.05	30	22	46	19	11	M4*0.5P	0.7
BT30-CK2-80L	128.4	80	58	6.62	31	22	46	24	14	M5*0.5P	0.8
BT30-CK3-80L	128.4	80	58	8	35	22	46	31	18	M6*0.75P	0.9
BT30-CK4-70L	118.4	70	48	10	39	22	46	39	22	M8*0.75P	1.0
BT30-CK5-60L	108.4	60	38	13	45	22	46	50	28	M10*1.0P	1.1
BT30-CK6-60L	108.4	60	38	16	55	22	46	63	36	M12*1.0P	1.2
规格 / 型号 Model	L	L1	L2	L3	L4	L5	D	d2	d1	侧边螺丝 Screw	重量 KGS
BT40-CK1-75L	140.4	75	48	5.05	30	27	63	19	11	M4*0.5P	1
BT40-CK1-105L	170.4	105	78	5.05	30	27	63	19	11	M4*0.5P	1.2
BT40-CK2-85L	150.4	85	58	6.62	31	27	63	24	14	M5*0.5P	1.2
BT40-CK2-115L	180.4	115	88	6.62	31	27	63	24	14	M5*0.5P	1.3
BT40-CK3-95L	160.4	95	68	8	35	27	63	31	18	M6*0.75P	1.3
BT40-CK3-125L	190.4	125	98	8	35	27	63	31	18	M6*0.75P	1.2
BT40-CK3-155L	220.4	155	128	8	35	27	63	31	18	M6*0.75P	1.6
BT40-CK3-185L	250.4	185	158	8	35	27	63	31	18	M6*0.75P	1.7
BT40-CK4-85L	150.4	85	58	10	39	27	63	39	22	M8*0.75P	1.45
BT40-CK4-130L	195.4	130	103	10	39	27	63	39	22	M8*0.75P	1.5
BT40-CK4-175L	240.4	175	148	10	39	27	63	39	22	M8*0.75P	2.1
BT40-CK4-205L	270.4	205	178	10	39	27	63	39	22	M8*0.75P	2.2
BT40-CK4-250L	315.4	250	223	10	39	27	63	39	22	M8*0.75P	2.3
BT40-CK5-75L	140.4	75	48	13	45	27	63	50	28	M10*1.0P	1.7
BT40-CK5-125L	190.4	125	98	13	45	27	63	50	28	M10*1.0P	1.95
BT40-CK5-175L	240.4	175	148	13	45	27	63	50	28	M10*1.0P	3
BT40-CK5-205L	270.4	205	178	13	45	27	63	50	28	M10*1.0P	3.2
BT40-CK5-250L	315.4	250	223	13	45	27	63	50	28	M10*1.0P	3.5
BT40-CK6-65L	130.4	65	38	16	55	27	63	63	36	M12*1.0P	2.15
BT40-CK6-115L	180.4	115	88	16	55	27	63	63	36	M12*1.0P	3.5
BT40-CK6-165L	230.4	165	138	16	55	27	63	63	36	M12*1.0P	3.85
BT40-CK6-205L	270.4	205	178	16	55	27	63	63	36	M12*1.0P	4.1

特点：

注：

◎内孔公差 H6

◎整支通孔，利于出水及抗震

◎可共用并互容于大多数“CK" 系列

◎侧边锁固螺丝与键槽呈 90 度，确保镗孔切削完毕时的相对位置

◎锁固时请使用螺丝防卡油防止因镗孔加工扭力过大，导致螺丝卡死难以拆卸组装

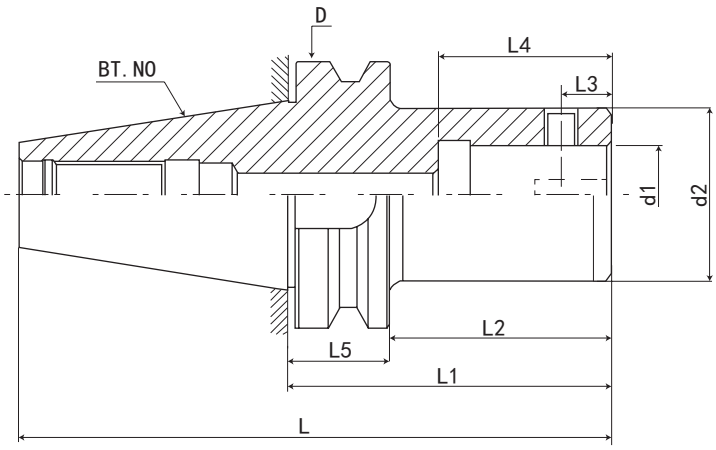
◎拉钉须另行购买

Features:

◎ Internal tolerance is H6.
◎ The entire through hole,favors the water leakage and quakeproof.
◎ May use in common and the mutual capacitance in majority "CK"Series.
◎ The side locks the solid screw and the key slot assumes 90 degrees,guaranteed that time the boring cutting function draws back the knife phase.
◎ Because locks is solid when please do use the screw against card oil to prevent to process the torsion to be oversized boring ,Causes the screw deactivation to disassemble the assembly with difficulty.
◎ The pull stud must purchase alone.

BT50-CK 镗头刀柄 BT50-CK BORING HEAD SHANK






P.I29


P.J39


P.I30

规格 / 型号 Model	L	L1	L2	L3	L4	L5	D	d2	d1	侧边螺丝 Screw	重量 KGS
BT50-CK1-90L	191.8	90	52	5.05	30	38	100	19	11	M4*0.5P	3.7
BT50-CK1-115L	216.8	115	77	5.05	30	38	100	19	11	M4*0.5P	3.9
BT50-CK1-145L	246.8	145	107	5.05	30	38	100	19	11	M4*0.5P	4.4
BT50-CK1-175L	276.8	175	137	5.05	30	38	100	19	11	M4*0.5P	4.5
BT50-CK2-90L	191.8	90	52	6.62	31	38	100	24	14	M5*0.5P	3.8
BT50-CK2-110L	211.8	110	72	6.62	31	38	100	24	14	M5*0.5P	4
BT50-CK2-140L	241.8	140	102	6.62	31	38	100	24	14	M5*0.5P	5
BT50-CK2-175L	276.8	175	137	6.62	31	38	100	24	14	M5*0.5P	4.2
BT50-CK3-90L	191.8	90	52	8	35	38	100	31	18	M6*0.75P	4.4
BT50-CK3-125L	226.8	125	87	8	35	38	100	31	18	M6*0.75P	4.4
BT50-CK3-155L	256.8	155	117	8	35	38	100	31	18	M6*0.75P	4.6
BT50-CK3-185L	286.8	185	147	8	35	38	100	31	18	M6*0.75P	4.4
BT50-CK3-215L	316.8	215	177	8	35	38	100	31	18	M6*0.75P	4.65
BT50-CK4-90L	191.8	90	52	10	39	38	100	39	22	M8 *0.75P	4.6
BT50-CK4-115L	216.8	115	77	10	39	38	100	39	22	M8*0.75P	4.8
BT50-CK4-145L	246.8	145	107	10	39	38	100	39	22	M8*0.75P	5.2
BT50-CK4-175L	276.8	175	137	10	39	38	100	39	22	M8*0.75P	4.6
BT50-CK4-205L	306.8	205	167	10	39	38	100	39	22	M8*0.75P	4.85
BT50-CK4-250L	351.8	250	212	10	39	38	100	39	22	M8*0.75P	5.2
BT50-CK4-300L	401.8	300	262	10	39	38	100	39	22	M8*0.75P	5.5
BT50-DCK4-350L	451.8	350	312	10	39	38	100	39	22	M8*0.75P	5.8
BT50-CK5-90L	191.8	90	52	13	45	38	100	50	28	M10*1.0P	5.4
BT50-CK5-105L	206.8	105	67	13	45	38	100	50	28	M10*1.0P	5.5
BT50-CK5-150L	251.8	150	112	13	45	38	100	50	28	M10*1.0P	6
BT50-CK5-180L	281.8	180	142	13	45	38	100	50	28	M10*1.0P	6.2
BT50-CK5-240L	341.8	240	202	13	45	38	100	50	28	M10*1.0P	6.4
BT50-CK5-270L	371.8	270	232	13	45	38	100	50	28	M10*1.0P	6.7
BT50-CK5-300L	401.8	300	262	13	45	38	100	50	28	M10*1.0P	7
BT50-CK5-350L	451.8	350	312	13	45	38	100	50	28	M10*1.0P	7.3
BT50-CK6-95L	196.8	95	57	16	55	38	100	63	36	M12*1.0P	5.9
BT50-CK6-150L	251.8	150	112	16	55	38	100	63	36	M12*1.0P	6.5
BT50-CK6-170L	271.8	170	132	16	55	38	100	63	36	M12*1.0P	6.3
BT50-CK6-205L	306.8	205	167	16	55	38	100	63	36	M12*1.0P	6.9
BT50-CK6-230L	331.8	230	192	16	55	38	100	63	36	M12*1.0P	7.45
BT50-CK6-270L	371.8	270	232	16	55	38	100	63	36	M12*1.0P	8.2
BT50-CK6-300L	401.8	300	262	16	55	38	100	63	36	M12*1.0P	9.5
BT50-CK6-350L	451.8	350	312	16	55	38	100	63	36	M12*1.0P	10.8
BT50-CK6-400L	501.8	400	362	16	55	38	100	63	36	M12*1.0P	9.5
BT50-CK6-450L	551.8	450	412	16	55	38	100	63	36	M12*1.0P	10.8

镗孔刀具系列 BORING HEAD

CK 等径延长杆 CK EXTENSION CONSTANT DIAMETER

等径镗刀延长杆（连接在基础柄和镗头之间，延长加工深度）

中心内冷

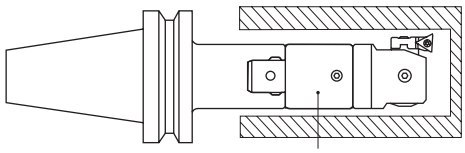


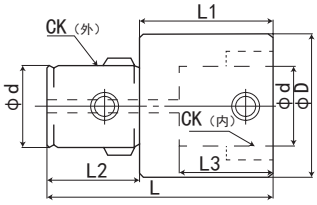
型号说明

CK11 20

20：延长的长度 L

CK11：CK1 与 CK1 连接





型号	CK（外）	CK（内）	φD	φd	L	L1	L2	L3	连接镗刀头型号 Applicable Boring Heads	侧边螺丝 Screw	质量（kg）
CK11-20L	1	1	19	11	33	20	13	18	EWN20	M4*0.5P	0.05
CK11-30L	1	1	19	11	43	30	13	18	EWN20	M4*0.5P	0.07
CK22-30L	2	2	24	14	46	30	16	21	EWN25/RW25/ABH25/CBH25	M5*0.5P	0.10
CK22-45L	2	2	24	14	61	45	16	21	EWN25/RW25/ABH25/CBH25	M5*0.5P	0.15
CK33-30L	3	3	31	18	50	30	20	25	EWN32/RW32/ABH32/CBH32	M6*0.75P	0.17
CK33-45L	3	3	31	18	65	45	20	25	EWN32/RW32/ABH32/CBH32	M6*0.75P	0.25
CK44-45L	4	4	39	22	69	45	24	29	EWN41/RW41/ABH40/CBH41	M8*0.75P	0.40
CK44-60L	4	4	39	22	84	60	24	29	EWN41/RW41/ABH40/CBH41	M8*0.75P	0.53
CK55-60L	5	5	50	28	90	60	30	35	EWN53/RW53/ABH50/CBH53	M10*1.0P	0.87
CK55-90L	5	5	50	28	120	90	30	35	EWN53/RW53/ABH50/CBH53	M10*1.0P	1.29
CK66-60L	6	6	64	36	100	60	40	45	EWN68/EWN100/RW68/RW100/ABH63/ABH80/CBH68/CBH100/CBH150	M12*1.0P	1.38
CK66-100L	6	6	64	36	140	100	40	45	EWN68/EWN100/RW68/RW100/ABH63/ABH80/CBH68/CBH100/CBH150	M12*1.0P	2.31
CK77-105L	7	7	90	-	-	105	-	-	EWN100	-	5.26

CK 异径延长杆（大接小） CK EXTENSION REDUCING

异径镗刀延长杆（减小基础柄的外径，安装较小镗头时使用）

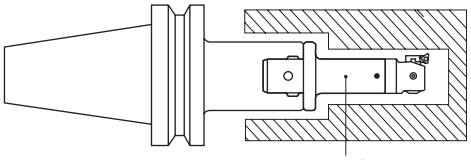


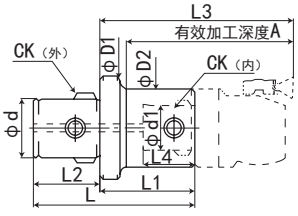
型号说明

CK21 55

55：有效加工深度 A

CK21：从 CK2 减为 CK1





型号	CK（外）	CK（内）	φD1	φD2	φd	φd1	L	L1	L2	L3	L4	A	连接镗刀头型号 Applicable Boring Heads	侧边螺丝 Screw	质量（kg）
CK21-55L	2	1	24	19	14	11	52	36	16	68.5	18	55	EWN20	M4*0.5P	0.10
CK31-60L	3	1	31	19	18	11	60.5	40.5	20	73	18	60	EWN20	M4*0.5P	0.14
CK32-60L	3	2	31	24	18	14	54.5	34.5	20	70	21	60	EWN25/RW25/ABH25/CBH25	M5*0.5P	0.16
CK41-75L	4	1	39	29	22	11	81.5	57.5	24	90	18	75	EWN20	M4*0.5P	0.25
CK42-75L	4	2	39	24	22	14	75.5	51.5	24	87	21	75	EWN25/RW25/ABH25/CBH25	M5*0.5P	0.28
CK43-75L	4	3	39	31	22	18	71	47	24	87	25	75	EWN32/RW32/ABH32/CBH32	M6*0.75P	0.32
CK51-70L	5	1	50	19	28	11	87.5	57.5	30	90	18	70	EWN20	M4*0.5P	0.38
CK52-70L	5	2	50	24	28	14	81.5	51.5	30	87	21	70	EWN25/RW25/ABH25/CBH25	M5*0.5P	0.40
CK52-100L	5	2	50	24	28	14	121.5	81.5	30	117	21	100	EWN25/RW25/ABH25/CBH25	M5*0.5P	0.51
CK53-70L	5	3	50	31	28	18	77	47	30	87	25	70	EWN32/RW32/ABH32/CBH32	M6*0.75P	0.54
CK53-100L	5	3	50	31	28	18	107	77	30	117	25	100	EWN32/RW32/ABH32/CBH32	M6*0.75P	0.64
CK54-70L	5	4	50	39	28	22	70	40	30	87	29	70	EWN41/RW41/ABH40/CBH41	M8*0.75P	0.47
CK54-100L	5	4	50	39	28	22	100	70	30	117	29	100	EWN41/RW41/ABH40/CBH41	M8*0.75P	0.82
CK61-65L	6	1	64	19	36	11	106.5	66.5	40	99	18	65	EWN20	M4*0.5P	0.84
CK62-80L	6	2	64	24	36	14	100.5	60.5	40	96	21	80	EWN25/RW25/ABH25/CBH25	M5*0.5P	0.69
CK62-115L	6	2	64	24	36	14	135.5	95.5	40	131	21	115	EWN25/RW25/ABH25/CBH25	M5*0.5P	0.98
CK63-80L	6	3	64	31	36	18	96	56	40	96	25	80	EWN32/RW32/ABH32/CBH32	M6*0.75P	0.75
CK63-115L	6	3	64	31	36	18	131	91	40	131	25	115	EWN32/RW32/ABH32/CBH32	M6*0.75P	1.12
CK64-80L	6	4	64	39	36	22	139	49	40	96	29	80	EWN41/RW41/ABH40/CBH41	M8*0.75P	0.80
CK64-115L	6	4	64	39	36	22	124	84	40	131	29	115	EWN41/RW41/ABH40/CBH41	M8*0.75P	1.28
CK65-80L	6	5	64	50	36	28	79	39	40	96	35	80	EWN53/RW53/ABH50/CBH53	M10*1.0P	0.92
CK65-115L	6	5	64	50	36	28	114	74	40	131	35	115	EWN53/RW53/ABH50/CBH53	M10*1.0P	1.33
CK76-160L	7	6	90	64	-	36	-	106	-	177	45	160	EWN68/EWN100/RW68/RW100/ABH63/ABH80/CBH68/CBH100/CBH150	M12*1.0P	3.1

SK/DAT-BST 镗孔组合刀柄 SK/DAT-BST BORING SYSTEM



FIG1
标准直柄

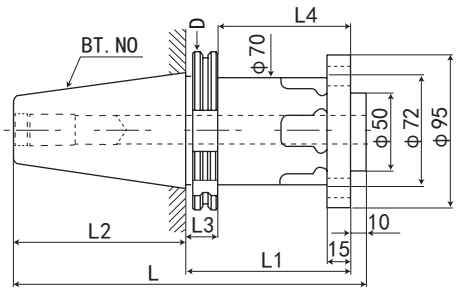
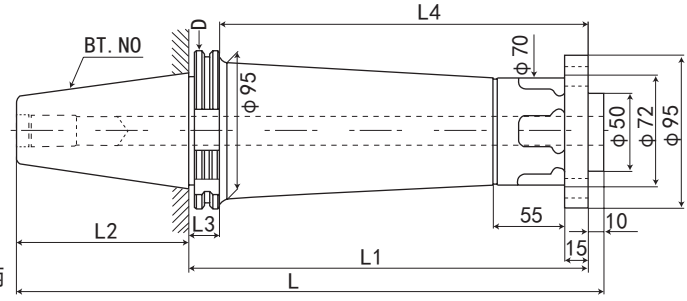


FIG2
加长锥度柄




P.129


P.375


P.375

规格 / 型号 Model	L	L1	L2	L3	L4	SK/DAT.NO	FIG
SK40-BST-100L	178.4	100	68.4	19	81	SK/DAT40	FIG1
SK40-BST-150L	228.4	150	68.4	19	131	SK/DAT40	FIG1
SK40-BST-200L	278.4	200	68.4	19	181	SK/DAT40	FIG1
SK40-BST-250L	328.4	250	68.4	19	231	SK/DAT40	FIG1
SK40-BST-300L	378.4	300	65.4	19	281	SK/DAT40	FIG1
SK50-BST-100L	211.95	100	101.95	19	81	SK/DAT50	FIG1
SK50-BST-150L	261.95	150	101.95	19	131	SK/DAT50	FIG1
SK50-BST-200L	311.95	200	101.95	19	181	SK/DAT50	FIG1
SK50-BST-250L	361.95	250	101.95	19	231	SK/DAT50	FIG1
SK50-BST-300L	411.95	300	101.95	19	281	SK/DAT50	FIG2
SK50-BST-350L	461.95	350	101.95	19	331	SK/DAT50	FIG2
SK50-BST-400L	511.95	400	101.95	19	381	SK/DAT50	FIG2
SK50-BST-450L	561.95	450	101.95	19	431	SK/DAT50	FIG2
SK50-BST-500L	611.95	500	101.95	19	481	SK/DAT50	FIG2

特点：

注：

◎整支通孔，利于出水及抗震

◎非标可订制（400L/450L/500L/600L）

◎列表中的产品规格以库存实物为准

◎拉钉须另行购买

Features:

◎ The entire through hole,favors the water leakage and quakeproof.

◎ Can be made upon requested Dimensions

◎ The list of product's specifications reference to material object.

◎ The pull stud must purchase alone.

镗孔刀具系列 BORING HEAD

BT-BST 镗孔组合刀柄 BT-BST BORING SYSTEM





FIG1
标准直柄

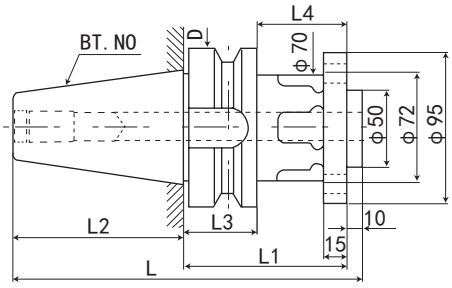
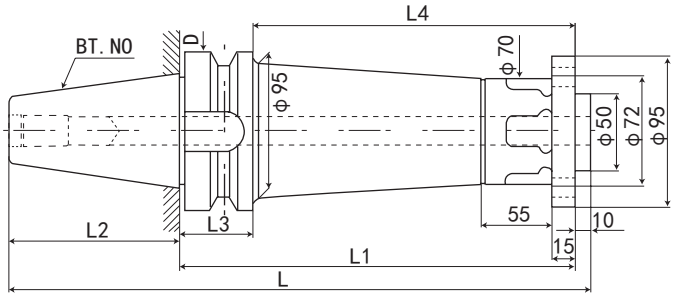


FIG2
加长锥度柄




P.292


P.375


P.375

规格 / 型号 Model	L	L1	L2	L3	L4	BT.NO	FIG
BT40-BST-100L	175.4	100	65.4	27	73	BT40	FIG1
BT40-BST-150L	225.4	150	65.4	27	123	BT40	FIG1
BT40-BST-200L	275.4	200	65.4	27	173	BT40	FIG1
BT40-BST-250L	325.4	250	65.4	27	223	BT40	FIG1
BT40-BST-300L	375.4	300	65.4	27	273	BT40	FIG1
BT50-BST-100L	211.8	100	101.8	38	62	BT50	FIG1
BT50-BST-150L	261.8	150	101.8	38	112	BT50	FIG1
BT50-BST-200L	311.8	200	101.8	38	162	BT50	FIG1
BT50-BST-250L	361.8	250	101.8	38	212	BT50	FIG1
BT50-BST-300L	411.8	300	101.8	38	262	BT50	FIG2
BT50-BST-350L	461.8	350	101.8	38	312	BT50	FIG2
BT50-BST-400L	511.8	400	101.8	38	362	BT50	FIG2
BT50-BST-450L	561.8	450	101.8	38	412	BT50	FIG2
BT50-BST-500L	611.8	500	101.8	38	462	BT50	FIG2

特点:

注:

◎整支通孔，利于出水及抗震

◎非标可订制（400L/450L/500L/600L)

◎列表中的产品规格以库存实物为准

◎拉钉须另行购买

Features:

◎ The entire through hole,favors the water leakage and quakeproof.

◎ Can be made upon requested Dimensions

◎ The list of product's specifications reference to material object.

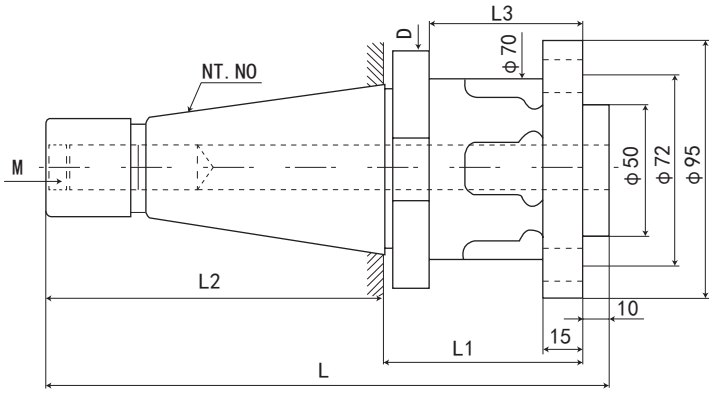
◎ The pull stud must purchase alone.

NT-BST 镗孔组合刀柄 NT-BST BORING SYSTEM





P.292



规格 / 型号 Model	NT.N0	L	L1	L2	L3	M	D	连接镗刀头型号 Applicable Boring Heads	重量 KGS
NT40-BST-100L	NT40	203.4	100	95	85	M12*1.75P	63	CBH150/200/300 以上 RBH120/160 以上	2.6
NT40-BST-150L	NT40	253.4	150	95	135	M12*1.75P	63	CBH150/200/300 以上 RBH120/160 以上	3.2
NT50-BST-100L	NT50	236.8	100	130	85	M24*3.0P	100	CBH150/200/300 以上 RBH120/160 以上	5.7
NT50-BST-150L	NT50	286.8	150	130	135	M24*3.0P	100	CBH150/200/300 以上 RBH120/160 以上	7.4
NT50-BST-200L	NT50	336.8	200	130	185	M24*3.0P	100	CBH150/200/300 以上 RBH120/160 以上	8.8

特点：

注：

◎整支通孔，利于出水及抗震

◎非标可订制（400L/450L/500L/600L)

◎列表中的产品规格以库存实物为准

Features:

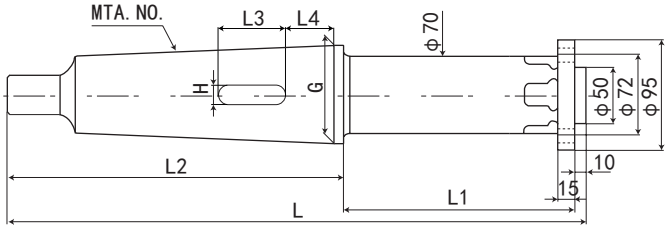
◎ The entire through hole,favors the water leakage and quakeproof.

◎ Can be made upon requested Dimensions

◎ The list of product's specifications reference to material object.

莫氏 MTA-BST 镗孔组合刀柄 MS MTA-BST BORING SYSTEM





规格 / 型号 Model	MTA.N0	L	L1	L2	L3	L4	H	G	连接镗刀头型号 Applicable Boring Heads
MTA5-BST-100L	MTA5	266	100	156	40	35	13	44.399	CBH150/200/300 以上 RBH120/160 以上
MTA5-BST-150L	MTA5	316	150	156	40	35	13	44.399	CBH150/200/300 以上 RBH120/160 以上
MTA5-BST-200L	MTA5	366	200	156	40	35	13	44.399	CBH150/200/300 以上 RBH120/160 以上
MTA6-BST-100L	MTA6	328	100	218	40	45	17	63.348	CBH150/200/300 以上 RBH120/160 以上
MTA6-BST-150L	MTA6	378	150	218	40	45	17	63.348	CBH150/200/300 以上 RBH120/160 以上
MTA6-BST-200L	MTA6	428	200	218	40	45	17	63.348	CBH150/200/300 以上 RBH120/160 以上
MTA6-BST-250L	MTA6	478	250	218	40	45	17	63.348	CBH150/200/300 以上 RBH120/160 以上
MTA6-BST-300L	MTA6	528	300	218	40	45	17	63.348	CBH150/200/300 以上 RBH120/160 以上
公制 80-BST-100L	公制 80	338	100	228	45	55	20	80.00	CBH150/200/300 以上 RBH120/160 以上
公制 80-BST-150L	公制 80	388	150	228	45	55	20	80.00	CBH150/200/300 以上 RBH120/160 以上
公制 80-BST-200L	公制 80	438	200	228	45	55	20	80.00	CBH150/200/300 以上 RBH120/160 以上
公制 80-BST-250L	公制 80	488	250	228	45	55	20	80.00	CBH150/200/300 以上 RBH120/160 以上
公制 80-BST-300L	公制 80	538	300	228	45	55	20	80.00	CBH150/200/300 以上 RBH120/160 以上
公制 80-BST-350L	公制 80	588	350	228	45	55	20	80.00	CBH150/200/300 以上 RBH120/160 以上
公制 80-BST-400L	公制 80	638	400	228	45	55	20	80.00	CBH150/200/300 以上 RBH120/160 以上

特点：

注：

◎非标可订制（400L/450L/500L/600L)

◎列表中的产品规格以库存实物为准

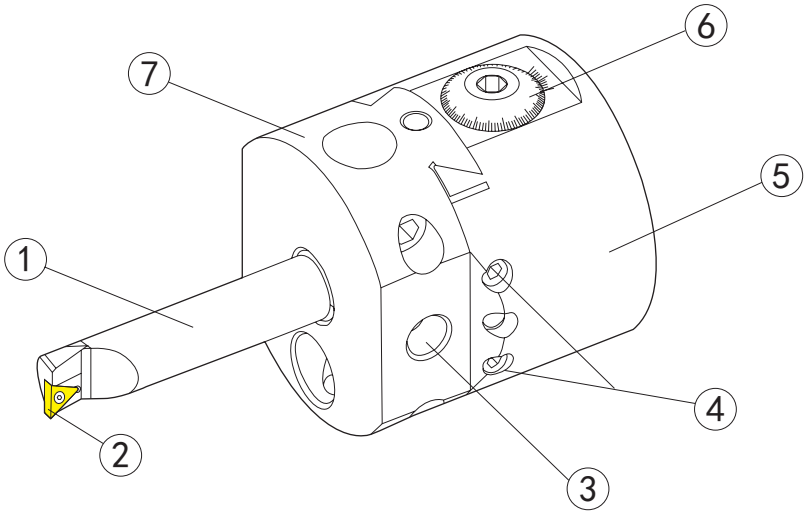
Features:

◎ Can be made upon requested Dimensions

◎ The list of product's specifications reference to material object.

NBH2084 产品主要部位名称 THE NAME OF THE MAIN PART OF PRODUCTS WITH NBH2084

1. NBH2084 boring bar
   NBH2084 刀杆
2. Insent
   刀片
3. Lock screw for boring bar
   刀杆固定螺丝
4. Lock screw for adjustment
   滑座固定螺丝
5. Body
   底座
6. Micro adjusting knob
   微调旋钮
7. Head slide
   头部滑座



使用顺序 /Sequence of Use

请参照图示，按下列顺序 1-6 顺序操作：
步骤一：在加工尺寸范围内固定好刀杆，用专用扳手旋紧螺丝稳固刀杆。
步骤二：松开燕尾槽固定螺丝 2 枚。
步骤三：按逆时针方向旋转调旋钮，使加工直径增大，调整旋钮刻度为 ϕ0.01mm。
步骤四：顺时针方向旋转时则使加工直径减小。
步骤五：调整尺寸加工时，请按同方向微调，以确保微调精度。
步骤六：微调至所需尺寸时，请以适当扭力锁紧镗头座体 2 枚 M8 螺丝，使滑座稳固在座体上。

Please operate the following step(1-6)according to the diagram figured;
Step1.Fixing the cutting tools in the processing size range,using special wrench to rotate the screws.
Step2.Loosening the swallowtail solid groove,fixing with two screws.
Step3.Rotating tune knob by anti-clockwise to increase the processing diameter,the graduate is ϕ0.01mm.
Step4.Rotating by clockwise will decrease the processing diameter.
Step5.When adjusting the size of processing,please fine-tuning by the same direction to ensure mirco adjustment Precision.
Step6.When meet the demanded size,please use the proper force to fasten two M8 screws of the boring then the slide can fixed to the block body.

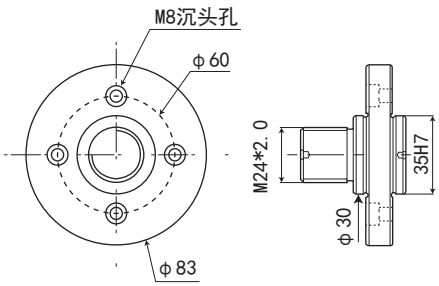
使用者注意事项 /Notices of The User

1. 请使用在加工范围内。
2、当滑座在已锁紧状态下，请勿旋转调整旋钮，否则会导致调整机构被破坏。
3. 滑座之固定，请使用专用扳手，固定座体与滑座配合 2 枚 M8 螺丝，过度锁紧会导致座体移位，过松会造成精度不良。
4、本产品是由精密螺丝、移动滑座旋转调整旋钮，在阻力很大或无法转动时，请停止调整，并确认以下事项：
①导向轴固定螺丝是否松开。
②是否超出调整范围。
③当过度旋转调整旋钮时，会导致调整螺杆与 T 型螺母卡死，以致滑座脱落，导致镗头精度被破坏。

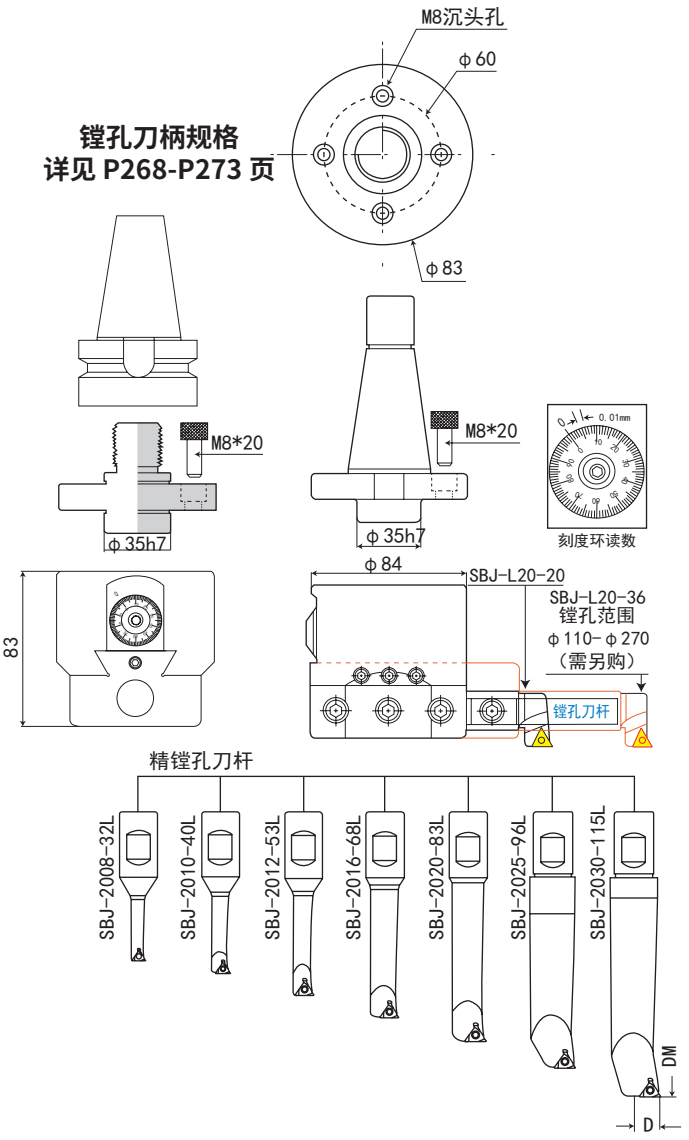
1Using in the range of processing.
2Do not rotate the adjustment knob when the slide is tightly locked,or the adjusting mechanism will be destroyed.
3Please use special wrench to fix the slide with two M8 screws,too much force will be seat shift, on the contrary,there will be accuracy of non-performing.
4Our products use micro screws,mobile slide to rotate the adjusting knob. You should make sure the following notices and adjusting with great resistance or it can not move:
① Whether the guiding shaft of the fixed screw is loosened.
② Whether it is out of the adjustment range.
③ Too much force will make screw stem and T nut dead,thus the slide will come off to undermine precision.

NBH2084 微调精镗头 NBH2084 FINE-TUNING BORING HEAD









型号 Cat.No	镗孔范围 Boring Range	调整精度 Tuning precision	调整行程 Stroke	重量 KGS
NBH2084	φ8-φ280	φ0.01mm/ 格	28.0mm	3.0

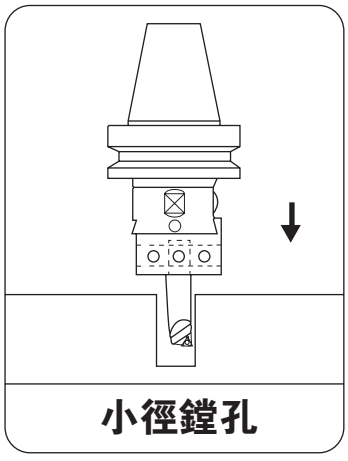
NBH2084 微调精镗头套装 NBH2084 FINE-TUNING BORING HEAD

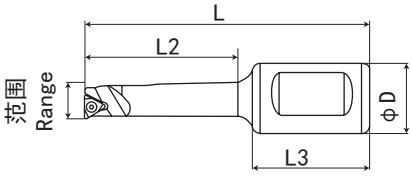
规格 / 型号 Model	镗孔范围 Boring Range	组合系统 - 主轴柄规格	重量 KGS
R8-NBH2084	08-280	R8-UNF7/16-20NBH2084	10.0
NT30-NBH2084	08-280	DIN2080 ISO30M12-NBH2084	8.0
NT40-NBH2084	08-280	DIN2080 ISO 40M-16-NBH2084	9.5
NT50-NBH2084	08-280	DIN2080 ISO50M24-NBH2084	10.8
BT30-NBH2084	08-280	MAS403 BT30-NBH2084	8.0
BT40-NBH2084	08-280	MAS403 BT40-NBH2084	9.5
BT50-NBH2084	08-280	MAS403 BT50-NBH2084	12.0
MTA3-NBH2084	08-280	MTA3-NBH2084	8.5
MTA4-NBH2084	08-280	MTA4-NBH2084	8.5
MTA5-NBH2084	08-280	MTA5-NBH2084	9.5
MTA6-NBH2084	08-280	MTA6-NBH2084	10.5
MTB3-NBH2084	08-280	MTB3-NBH2084	8.0
MTB4-NBH2084	08-280	MTB4-NBH2084	8.5
MTB5-NBH2084	08-280	MTB5-NBH2084	9.5

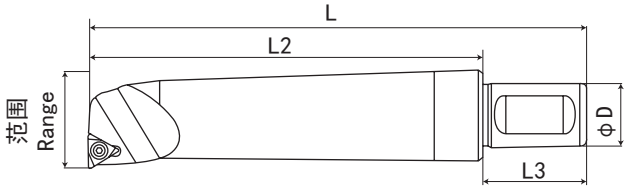
镗孔刀具系列 BORING HEAD

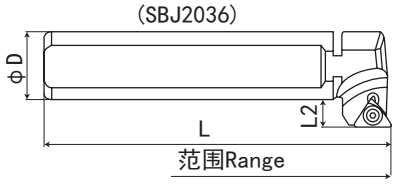
NBH2084 替换式镗孔刀杆 NBH2084 INTERCHANGEABLE BORING CUTTER











规格 / 型号 Model	尺寸 Size(mm)					刀片 Insert		螺丝 Screw	扳手 Wrench
	D	范围 Range	L	L2	L3				
SBJ2008-32L	20	8-11	80	32	32	5°	TBGT060102 TBGT060104	SB-1STR-M2*5.0	T6
SBJ2010-40L	20	10-13	87	40	32				
SBJ2012-53L	20	12-17	98	53	32		TPGH090202 TPGH090204	SB-2TR-M2.5*6.0	T8
SBJ2016-68L	20	16-21	110	68	32				
SBJ2020-83L	20	20-130	123	83	32		TPGH110302 TPGH110304	SB-3TR-M3*8.0	T10
SBJ2025-96L	20	25-135	137	96	32				
SBJ2030-115L	20	30-140	152	115	32				
SBJ20-20-100L	20	120-280	97	100	32				
SBJ2020-150L(加长)	20	20-130	190	150	32	11°			
SBJ2020-200L(加长)	20	20-130	240	200	32				
SBJ2025-150L(加长)	20	25-135	191	150	32				
SBJ2025-200L(加长)	20	25-135	241	200	32				
SBJ2030-150L(加长)	20	30-140	187	150	32				
SBJ2030-200L(加长)	20	30-140	237	200	32				
SBJ20-20-180L（加长）	20	120-280	177	180	32				

特点:

注:

◎本套产品属经济型精密镗刀

◎最小调节刻度为 ϕ0.01mm，半径 0.005mm

◎本镗孔器在位移量少时，其最高转速不超 1600чm 为宜

Features:

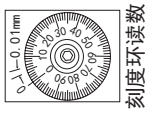
◎ NBH2084 is a small diameter boring system in which diameter size ranges from 8-280mm.

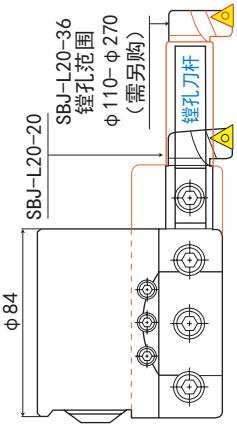
◎ The minimum dial is 0.001mm with semi diameter 0005mm.

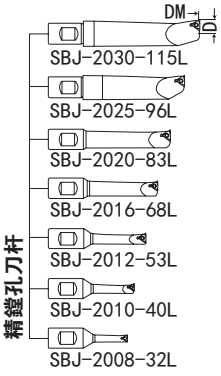
◎ While moving in small scope,the highest speed ＜ 1600rpm.

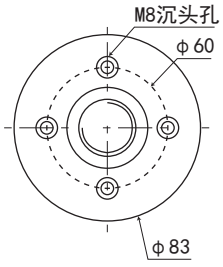
BT-NBH2084A 镗孔组合刀柄 BT-NBH2084A BORING SYSTEM

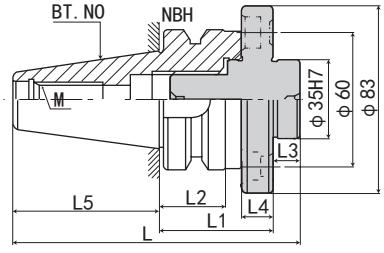


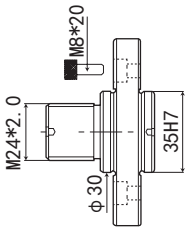








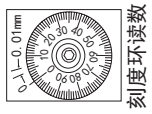


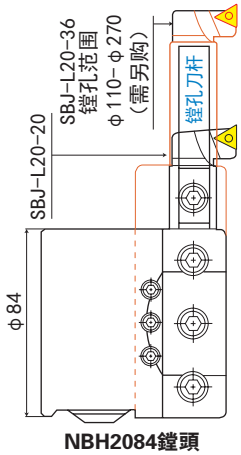


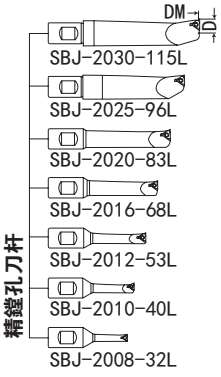
规格 / 型号 Model	BT.NO	L	L1	L2	L3	L4	L5	M	重量 KGS
BT30-NBH2084A	BT30	106.4	46	20	12	14	48.4	M12*1.75P	1.2
BT40-NBH2084A	BT40	128.4	51	25	12	14	65.4	M16*2.0P	1.6
BT50-NBH2084A	BT50	170.8	57	35	12	14	101.8	M24*3.0P	4.3

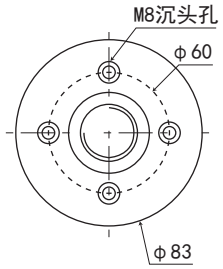
BT-NBH2084B 镗孔组合刀柄 BT-NBH2084B BORING SYSTEM

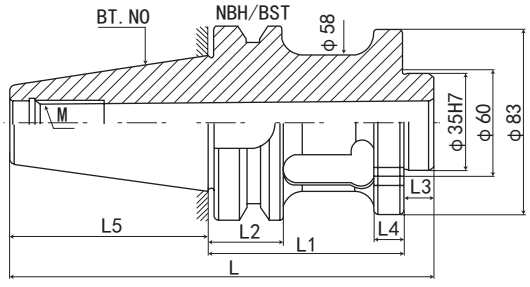










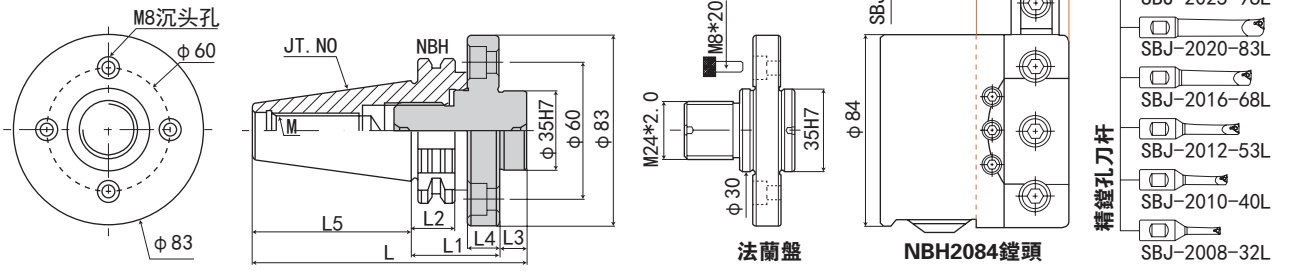


规格 / 型号 Model	BT.NO	L	L1	L2	L3	L4	L5	M	重量 KGS
BT40-NBH2084B-100L	BT40	177.4	100	25	12	14	65.4	M16*2.0P	2.42
BT40-NBH2084B-150L	BT40	227.4	150	25	12	14	65.4	M16*2.0P	2.9
BT50-NBH2084B-100L	BT50	213.8	100	35	12	14	101.8	M24*3.0P	5.22
BT50-NBH2084B-165L	BT50	278.8	165	35	12	14	101.8	M24*3.0P	6.42
BT50-NBH2084B-200L	BT50	313.8	200	35	12	14	101.8	M24*3.0P	7.62
BT50-NBH2084B-250L	BT50	363.8	250	35	12	14	101.8	M24*3.0P	8.5
BT50-NBH2084B-300L	BT50	413.8	300	35	12	14	101.8	M24*3.0P	9.67

镗孔刀具系列 BORING HEAD

JT-NBH2084A 镗孔组合刀柄 JT-NBH2084A BORING SYSTEM

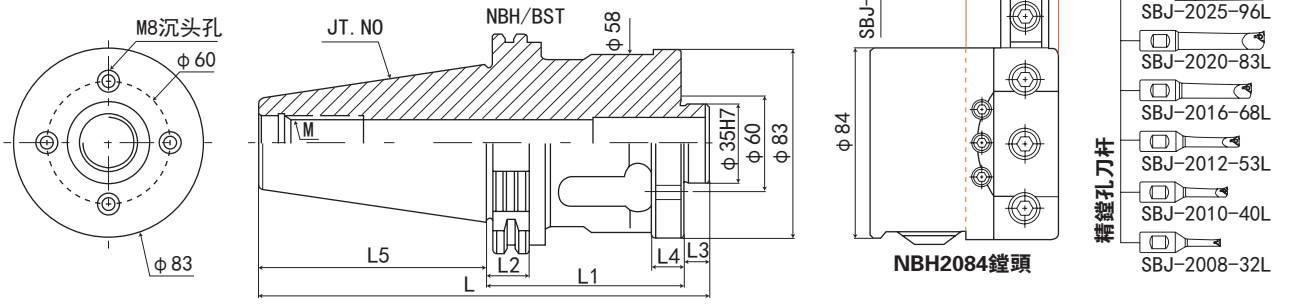




规格 / 型号 Model	JT.NO	L	L1	L2	L3	L4	L5	M	重量 KGS
JT30-NBH2084A	JT30	109.8	50	16	12	14	47.8	M12*1.75P	1.4
JT40-NBH2084A	JT40	130.4	50	16	12	14	68.4	M16*2.0P	2.0
JT50-NBH2084A	JT50	163.75	50	16	12	14	101.75	M24*3.0P	4.2

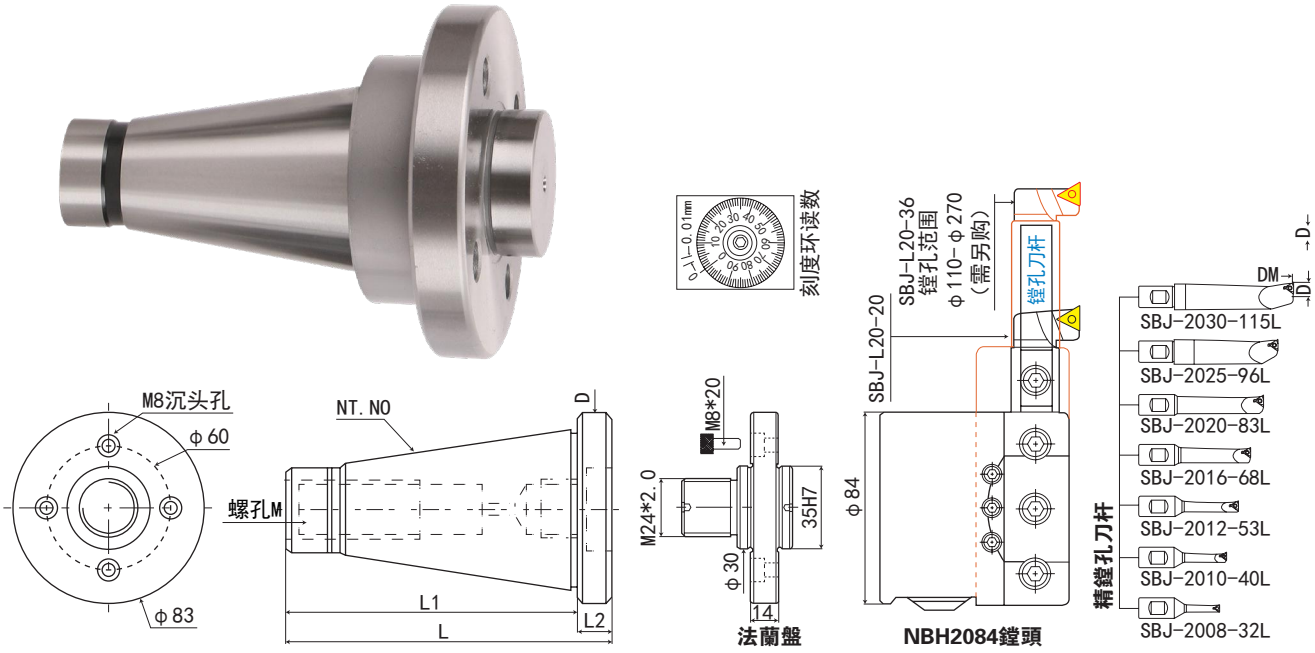
JT-NBH2084B 镗孔组合刀柄 JT-NBH2084B BORING SYSTEM





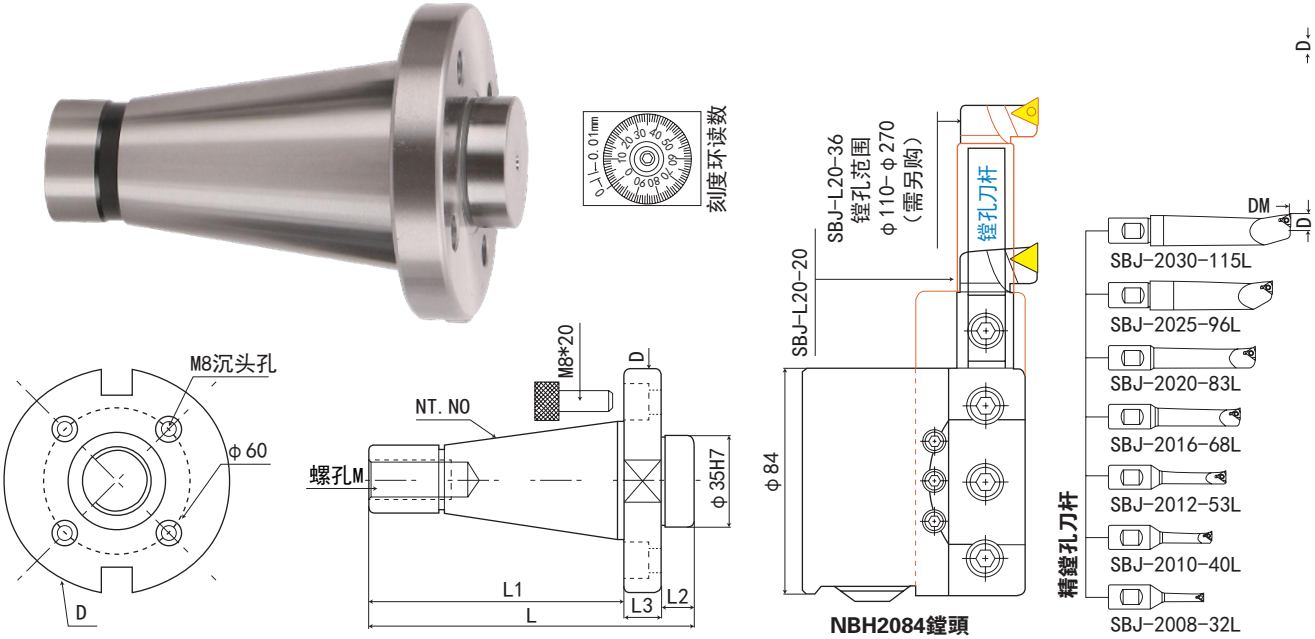
规格 / 型号 Model	JT.NO	L	L1	L2	L3	L4	L5	M	重量 KGS
JT40-NBH2084B-100L	JT40	180.4	100	16	12	14	68.4	M16*2.0P	2.42
JT40-NBH2084B-150L	JT40	230.4	150	16	12	14	68.4	M16*2.0P	2.9
JT50-NBH2084B-100L	JT50	213.75	100	16	12	14	101.75	M24*3.0P	5.22
JT50-NBH2084B-165L	JT50	278.75	165	16	12	14	101.75	M24*3.0P	6.42
JT50-NBH2084B-200L	JT50	313.75	200	16	12	14	101.75	M24*3.0P	7.62
JT50-NBH2084B-250L	JT50	363.75	250	16	12	14	101.75	M24*3.0P	8.5
JT50-NBH2084B-300L	JT50	413.75	300	16	12	14	101.75	M24*3.0P	9.67

NT-NBH2084A 镗孔组合刀柄 NT-NBH2084A BORING SYSTEM



规格 / 型号 Model	NT.NO	L	L1	L2	M	D	重量 KGS
NT40-NBH2084A	NT40	111	95	16	M16*2.0P	63	2.4
NT50-NBH2084A	NT50	146	130	16	M24*3.0P	100	4.2

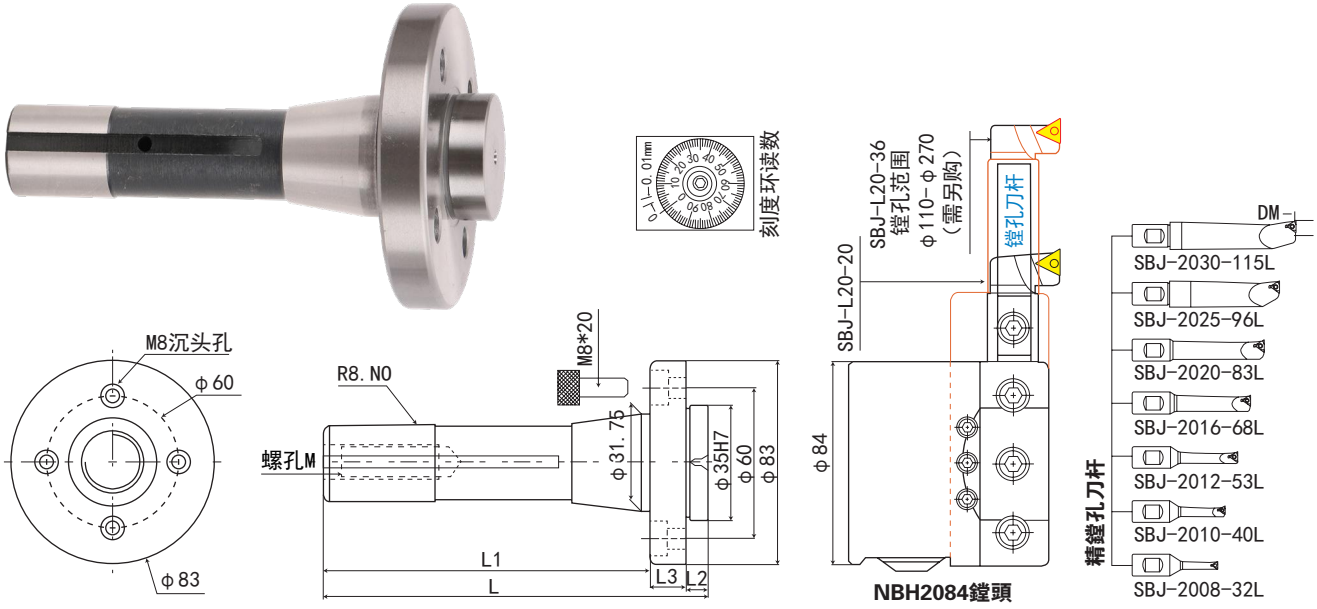
NT-NBH2084C 镗孔组合刀柄 NT-NBH2084C BORING SYSTEM



规格 / 型号 Model	NT.NO	L	L1	L2	L3	M	D	重量 KGS
NT30-NBH2084C	NT30	98	70	12	16	M12*1.75P	83	1.9
NT40-NBH2084C	NT40	123	95	12	16	M16*2.0P	83	2.4

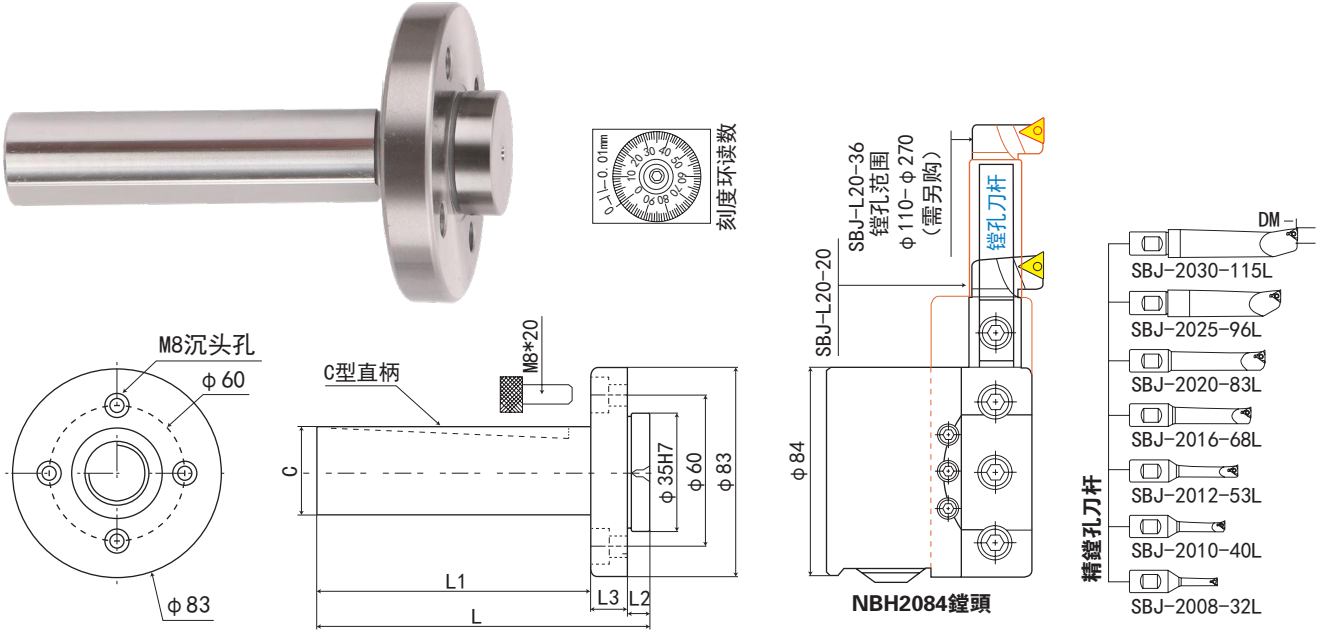
镗孔刀具系列 BORING HEAD

R8-NBH2084C 镗孔组合刀柄 R8-NBH2084C BORING SYSTEM



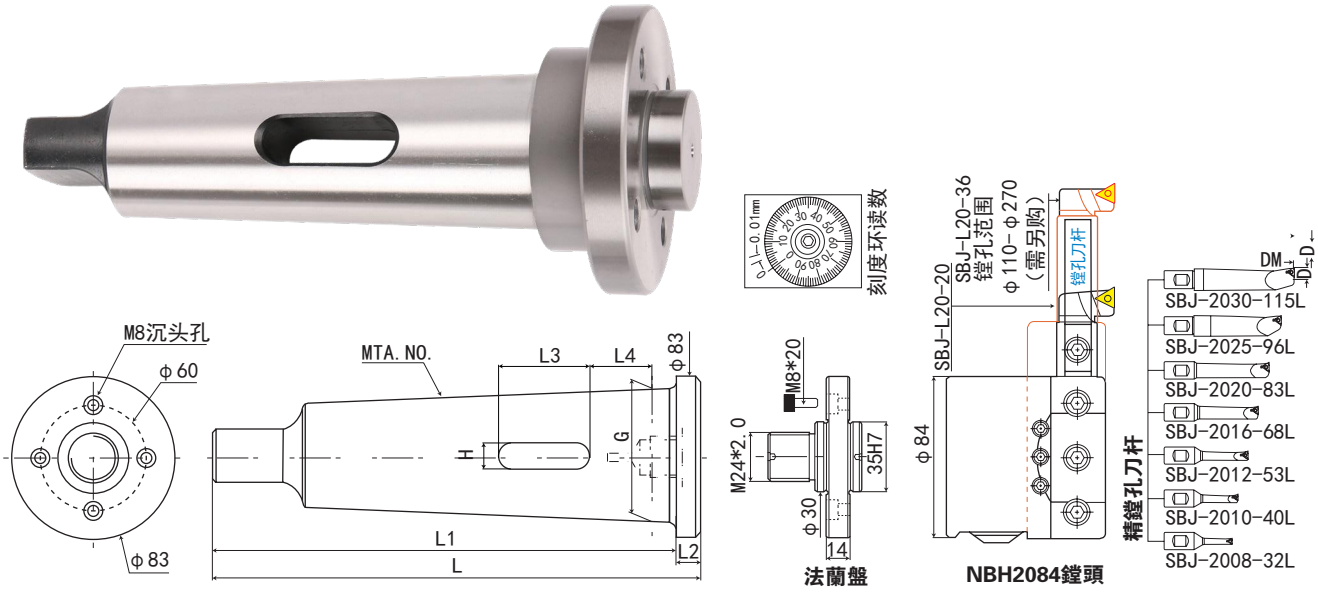
规格 / 型号 Model	R8.N0	L	L1	L2	L3	M	重量 KGS
R8-NBH2084 公制 C	R8	132	104	12	16	M12*1.75P	2.2
R8-NBH2084 英制 C	R8	132	104	12	16	7/16-20UNF	2.2

C 型直柄 -NBH2084C 镗孔组合刀柄 C-NBH2084C BORING SYSTEM



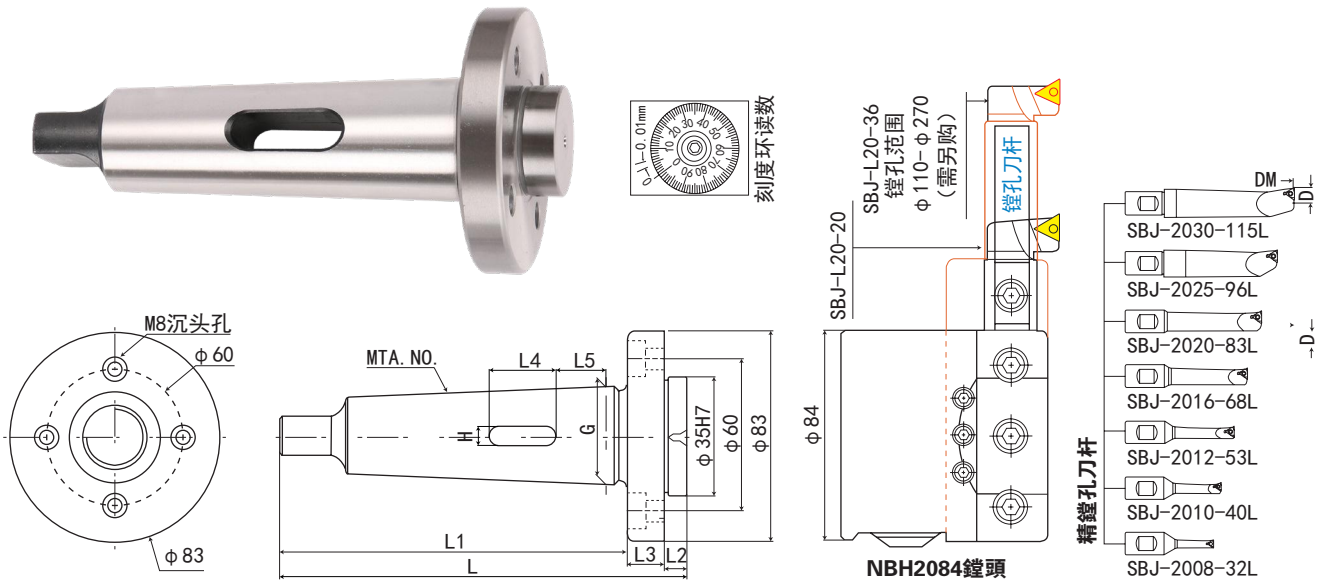
规格 / 型号 Model	C 型直柄	C	L	L1	L2	L3	重量 KGS
C20-NBH2084C	C20	20	88	60	12	16	2.1
C25-NBH2084C	C25	25	88	60	12	16	2.2
C32-NBH2084C	C32	32	88	60	12	16	2.3

MTA-NBH2084A 镗孔组合刀柄 MTA-NBH2084A BORING SYSTEM



规格 / 型号 Model	MTA.N0	L	L1	L2	L3	L4	G	H	重量 KGS
MTA6-NBH2084A	MTA6	234	218	16	40	45	63.348	17	5.3
公制 80-NBH2084A	公制 80	244	228	16	45	55	80.00	20	9.6

MTA-NBH2084C 镗孔组合刀柄 MTA-NBH2084C BORING SYSTEM

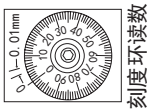


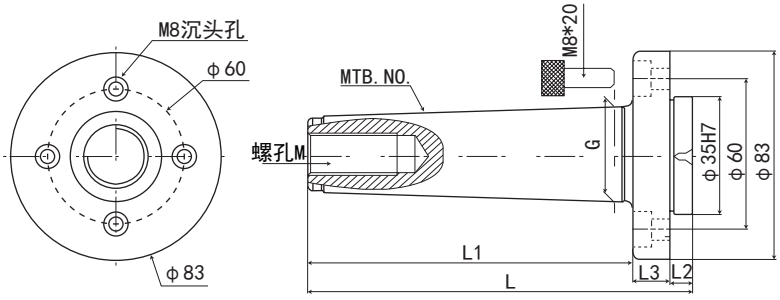
规格 / 型号 Model	MTA.N0	L	L1	L2	L3	L4	L5	G	H	重量 KGS
MTA3-NBH2084C	MTA3	127	99	12	16	-	-	23.825	-	0.8
MTA4-NBH2084C	MTA4	152	124	12	16	-	-	31.267	-	1.0
MTA5-NBH2084C	MTA5	184	156	12	16	40	35	44.399	13	2.0

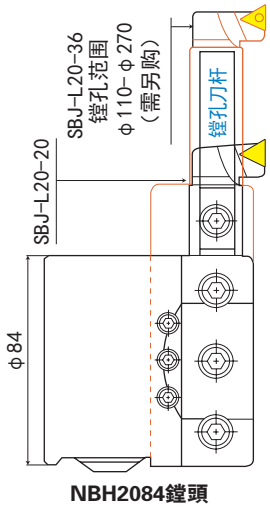
镗孔刀具系列 BORING HEAD

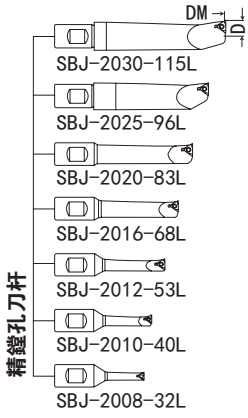
MTB-NBH2084C 镗孔组合刀柄 MTB-NBH2084C BORING SYSTEM







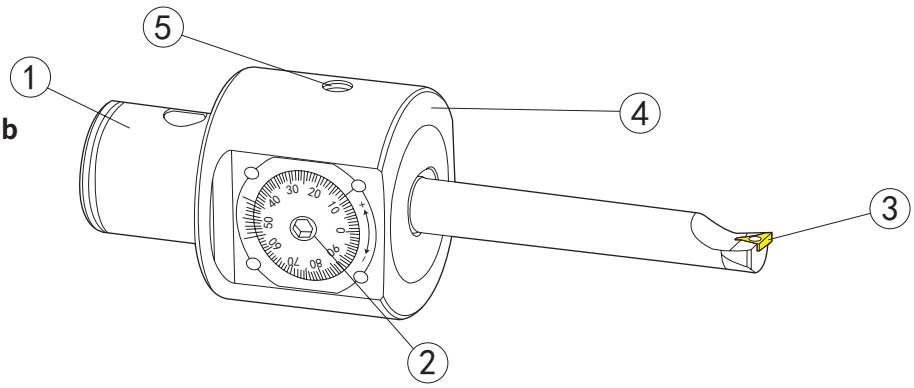




规格 / 型号 Model	MTB.N0	L	L1	L2	L3	M	G	重量 KGS
MTB3-NBH2084C	MTB3	114	86	12	16	M12*1.75P	23.825	0.6
MTB4-NBH2084C	MTB4	136	108	12	16	M16*2.0P	31.267	1.0
MTB5-NBH2084C	MTB5	164	136	12	16	M20*2.5P	44.399	0.6

NBJ16 产品主要部位名称 THE NAME OF THE MAIN PART OF PRODUCTS WITH NBJ16

① NBJ16 shank
NBJ16 柄部
② Micro adjusting knob
微调旋钮
③ Insert
刀片
④ NBJ16 body
NBJ16 头部
⑤ Lock screw
固定螺丝



使用顺序 /Sequence of Use

请参照图示，按下列顺序 1-6 顺序操作：
步骤一：在加工尺寸范围内固定好刀杆，用专用扳手在导向主轴上固定好两攻 M10 螺丝，稳固刀杆。
步骤二：松开固定螺丝。
步骤三：按顺时针方向旋转调旋钮，使加工直径增大，调整旋钮刻度为 ϕ0.01mm。
步骤四：按逆时针方向旋转时则使加工直径减小。
步骤五：调整尺寸加工时，请按同方向微调，以确保微调精度。
步骤六：微调至所需尺寸时，请以适当扭力锁紧导向主轴，使主轴稳固定本体上。

Please operate the following step(1-6)according to the diagram figured;
Step1.Using special wrench to lock two M10 screws to fasten the cutting tools in the processing size range.
Step2.Loosening the fixed screws.
Step3.Rotating tune knob by clockwise to increase the processing diameter,the graduate is ϕ0.01mm.
Step4.Rotating by anti-clockwise will decrease the processing diameter.
Step5.When adjusting the size of processing,please fine-tuning by the same direction to ensure mirco adjustment Precision.
Step6.When meet the demanded size,please use the proper force to lock the spindle orientation to makespindle fix into the substance.

使用者注意事项 /Notices of The User

1. 请使用在加工范围在 ϕ11mm 内。
2、当导向主轴在已锁紧状态下，请勿旋转调整旋钮，否则会导致调整机构被破坏。
3. 导向轴固定，请使用专用扳手，固定本体上的 M10 螺丝，锁紧导向主轴，过度锁紧会导致座体移位，过松会造成精度不良。
4、本产品是由精密螺丝、移动滑座旋转调整旋钮，在阻力很大或无法转动时，请停止调整，并确认以下事项：
①导向轴固定螺丝是否松开。
②是否超出调整范围。
③当过度旋转调整旋钮时，会导致刀杆和本体卡死，镗头精度被破坏。

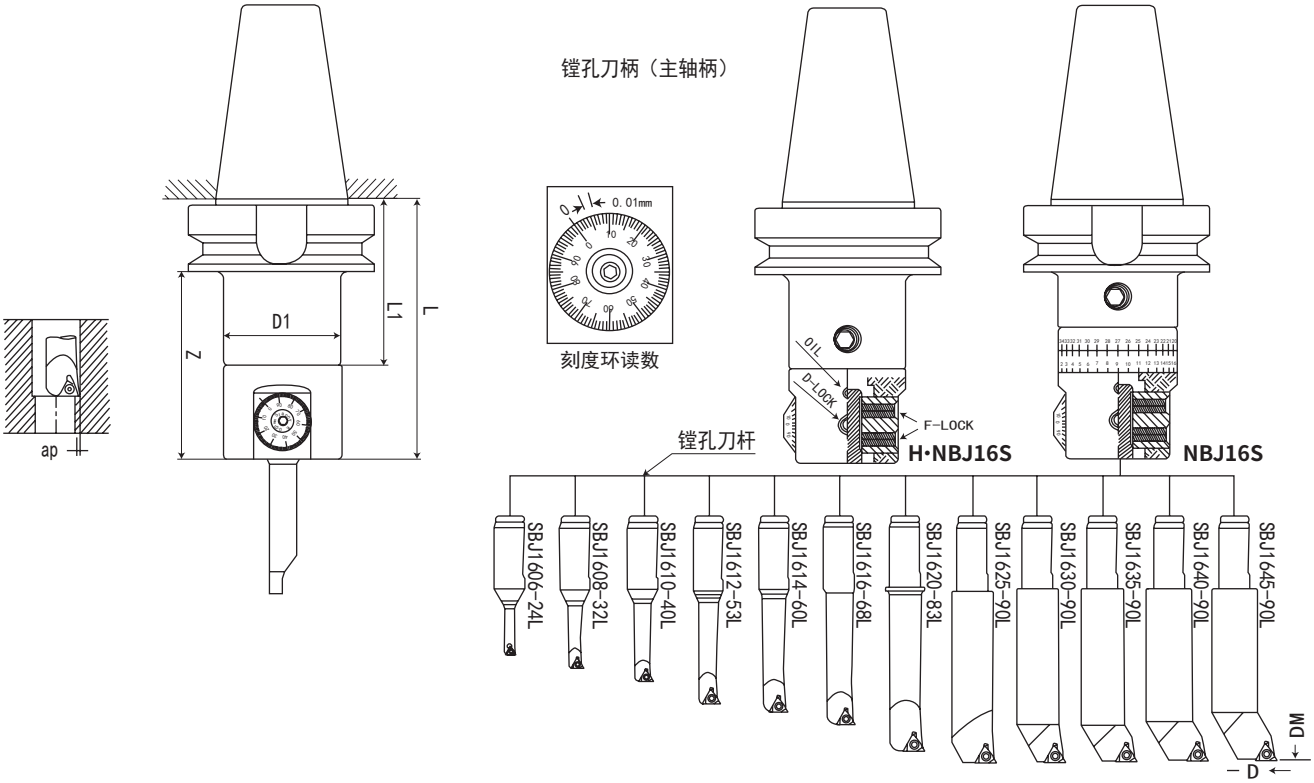
1Using in the processing rangeϕ11mm.
2Do not rotate the adjustment knob when the slide is tightly locked,or the adjusting mechanism will be destroyed.
3Please use special wrench to fix the slide with three M10 screws,too much force will be axis-oriented shift, on the contrary,there will be accuracy of non-performing.
4Our products use micro screws,spindle orientation to rotate adjusting knob. You should make sure the following notices and adjusting with great resistance or it can not move:
① Whether the guiding shaft of the fixed screw is loosened.
② Whether it is out of the adjustment range.
③ Too much force will make cutting tools dead and the precision of boring head destroyed.

镗孔刀具系列 BORING HEAD

NBJ16 小径微调精镗头 NBJ16 MICRO BORING BAR TOOL HOLDER







规格 / 型号 Model	移动量 Dmm	延伸长 Z	组合内容 Tool Connection		镗孔范围 Boring range	接口型号 LBK No	全长 L	刀杆长 L1	刀杆外径 φD1	内置刀杆 dmm	重量 KGS
			刀柄 Shank	镗头 Boring head							
BT30-NBJ16-110L	0-5	88	BT30-LBK6-60L	NBJ16	8-50mm	LBK6	110	60	64	16	2.4
BT40-NBJ16-115L	0-5	88	BT40-LBK6-65L	NBJ16	8-50mm	LBK6	115	65	64	16	2.7
BT50-NBJ16-145L	0-5	107	BT50-LBK6-95L	NBJ16	8-50mm	LBK6	145	95	64	16	5.9
JT30-NBJ16-110L	0-5	91	JT30-LBK6-60L	NBJ16	8-50mm	LBK6	110	60	64	16	2.4
JT40-NBJ16-115L	0-5	96	JT40-LBK6-65L	NBJ16	8-50mm	LBK6	115	65	64	16	2.7
JT50-NBJ16-145L	0-5	126	JT50-LBK6-95L	NBJ16	8-50mm	LBK6	145	95	64	16	5.9
NT30-NBJ16-110L	0-5	95	NT30-LBK6-60L	NBJ16	8-50mm	LBK6	110	60	64	16	2.4
NT40-NBJ16-115L	0-5	100	NT40-LBK6-65L	NBJ16	8-50mm	LBK6	115	65	64	16	2.7
NT50-NBJ16-145L	0-5	130	NT50-LBK6-95L	NBJ16	8-50mm	LBK6	145	95	64	16	5.9

特点：

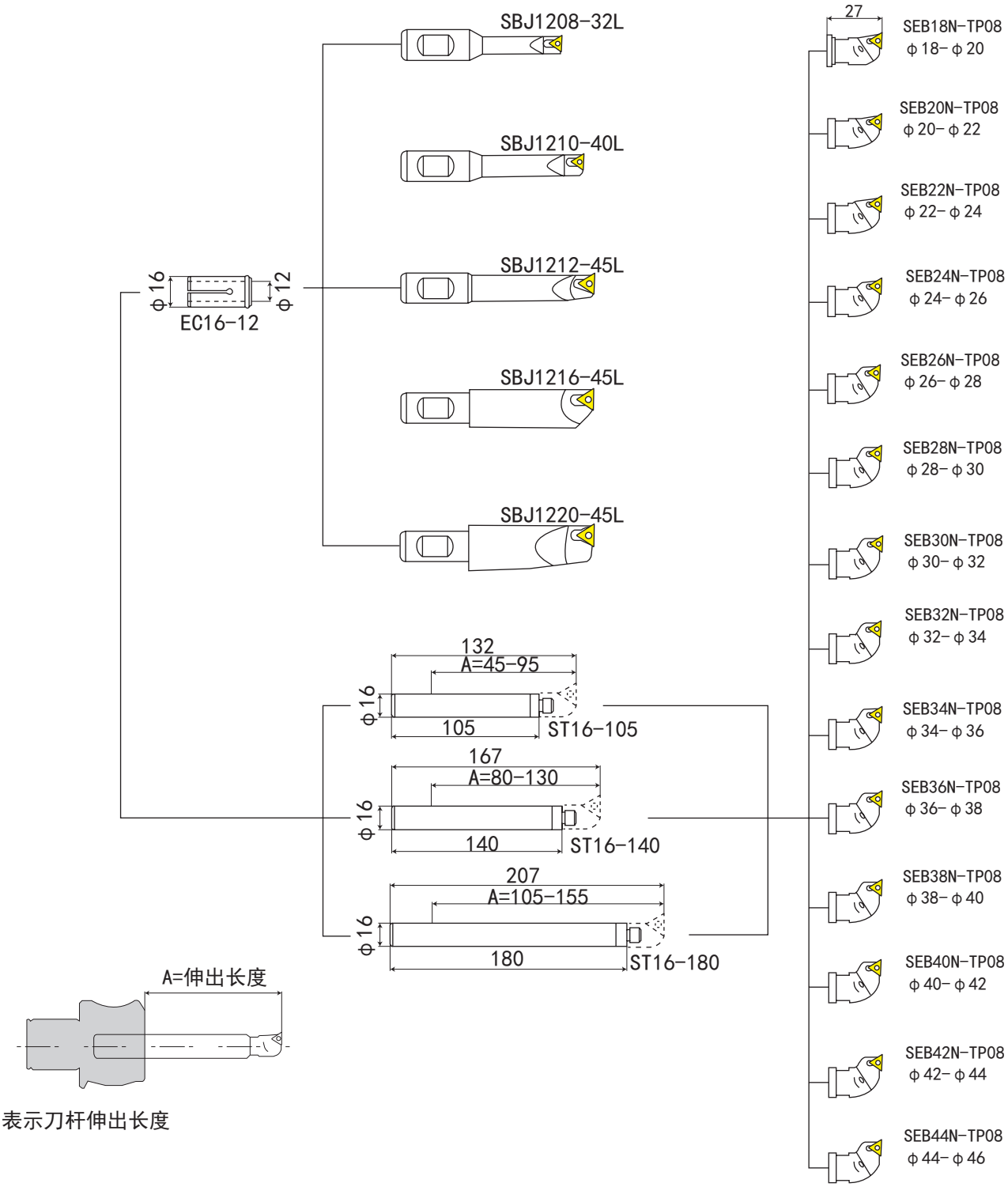
注：
◎本体锥柄规格：JIS MAS 403 BT
◎高刚性、高精度、高灵敏，调节方便，安全可靠
◎最小调节刻度为 ϕ0.01mm，半径为 0.005mm
◎本镗孔器在位移量少时，其最高转速不起 1600rpm 为宜

Features:

◎ Spindle conicity reference:JIS MAS 403 BT.
◎ Having high rigidity and precision,easily operated with safety.
◎ The minimum dial is 0.001mm with semi diameter 0005mm.
◎ While moving in small scope,the highest speed ＜ 1600rpm.

加工范围 ϕ8-ϕ50

（加工范围 ϕ2-ϕ8，请选择另购进口极小径硬质合金镗杆）

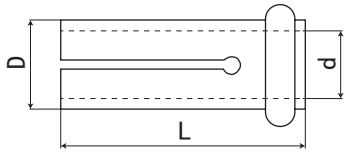


A：表示刀杆伸出长度

镗孔刀具系列 BORING HEAD

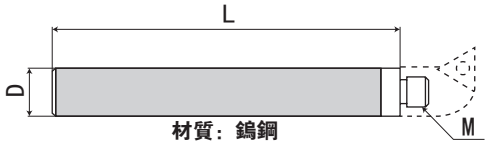
EC 钨钢刀杆专用筒夹 EC COLLET FOR SOLID CARBIDE BORING BAR

规格 / 型号 Model	外形尺寸			组合钨钢刀杆 Anti-shaking Solid Carbide Boring Bar
	D	d	L	
EC16-06	16	6	37	-
EC16-08	16	8	37	ST08/HC08
EC16-10	16	10	37	ST10/HC10
EC16-12	16	12	37	ST12/HC12
EC16-14	16	14	37	ST14/HC14



ST 抗震钨钢刀杆 ST ANTI-SHAKING SOLID CARBIDE BORING BAR





材質：鎢鋼

规格 / 型号 Model	外形尺寸			组合镗头 Throw Away Boring Head	组合筒夹 Collet For Solid Carbide Boring Bar
	D	L	M		
ST08-W5-115L	8	115	M5*0.8P	SEB09N SEB11N	EC16-08
ST10-W6-115L	10	115	M6*1.0P	SEB12N SEB14N SEB16N	EC16-10
ST10-W6-135L	10	135	M6*1.0P	SEB12N SEB14N SEB16N	EC16-10
ST10-W6-160L	10	160	M6*1.0P	SEB12N SEB14N SEB16N	EC16-10
ST12-W6-135L	12	135	M6*1.0P	SEB12N SEB14N SEB16N	EC16-12
ST12-W10-165L	12	165	M10*1.25P	SEB18N--SEB50N	EC16-12
ST16-W10-105L	16	105	M10*1.25P	SEB18N--SEB50N	-
ST16-W10-140L	16	140	M10*1.25P	SEB18N--SEB50N	-
ST16-W10-180L	16	180	M10*1.25P	SEB18N--SEB50N	-

特点：

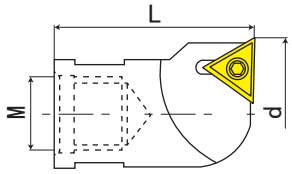
注：
◎镗孔深度不得超过孔径六倍

Features:

◎ The boring depth do not surpass aperture six times.

SEB 舍弃式小径镗头 SEB INDEXABLE INSERT HOLDER FOR BORING BAR

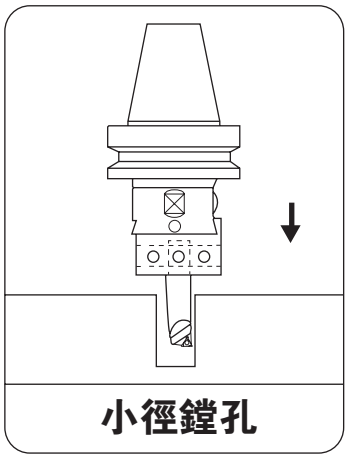


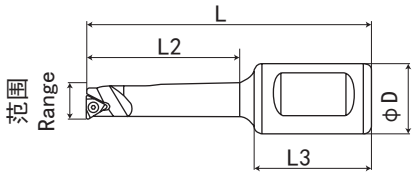


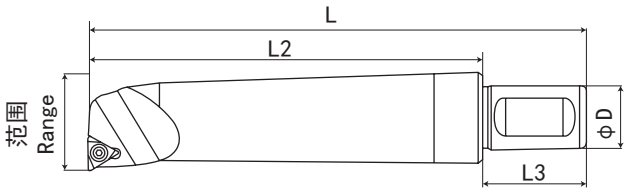
规格 / 型号 Model	外形尺寸			镗孔范围 Boring Range		刀片型号 Insert	螺丝 Screw	扳手 Wrench
	d	L	M	Min	Max			
SEB09N-TP08	9	18	M5*0.8P	9	11	TPGH080202	M2.2*5	T6
SEB11N-TP08	11	18	M5*0.8P	11	12	TPGH080202	M2.2*5	T6
SEB12N-TP08	12	23	M6*1.0P	12	14	TPGH080202	M2.2*5	T6
SEB14N-TP08	14	23	M6*1.0P	14	16	TPGH080202	M2.2*5	T6
SEB16N-TP08	16	23	M6*1.0P	16	18	TPGH080202	M2.2*5	T6
SEB18N-TP08	18	27	M10*1.25P	18	20	TPGH080202	M2.2*5	T6
SEB20N-TP08	20	27	M10*1.25P	20	22	TPGH080202	M2.2*5	T6
SEB22N-TP08	22	27	M10*1.25P	22	24	TPGH080202	M2.2*5	T6
SEB24N-TP08	24	27	M10*1.25P	24	26	TPGH080202	M2.2*5	T6
SEB26N-TP08	26	27	M10*1.25P	26	28	TPGH080202	M2.2*5	T6
SEB28N-TP08	28	27	M10*1.25P	28	30	TPGH080202	M2.2*5	T6
SEB30N-TP08	30	27	M10*1.25P	30	32	TPGH080202	M2.2*5	T6
SEB32N-TP08	32	27	M10*1.25P	32	34	TPGH080202	M2.2*5	T6
SEB34N-TP08	34	27	M10*1.25P	34	36	TPGH080202	M2.2*5	T6
SEB36N-TP08	36	27	M10*1.25P	36	38	TPGH080202	M2.2*5	T6
SEB38N-TP08	38	27	M10*1.25P	38	40	TPGH080202	M2.2*5	T6
SEB40N-TP08	40	27	M10*1.25P	40	42	TPGH080202	M2.2*5	T6
SEB42N-TP08	42	27	M10*1.25P	42	44	TPGH080202	M2.2*5	T6
SEB44N-TP08	44	27	M10*1.25P	44	46	TPGH080202	M2.2*5	T6
SEB46N-TP08	46	27	M10*1.25P	46	48	TPGH080202	M2.2*5	T6
SEB48N-TP08	48	27	M10*1.25P	48	50	TPGH080202	M2.2*5	T6
SEB50N-TP08	50	27	M10*1.25P	50	52	TPGH080202	M2.2*5	T6

NBJ16 替换式镗孔刀杆 NBJ16 INTERCHANGEABLE BORING CUTTER









规格 / 型号 Model	尺寸					刀片 Insert		螺丝 Screw	扳手 Wrench
	D	范围 Range	L	L2	L3				
SBJ1606-24L	16	6-9	73	24	32	5°	WBGT060102	M2*3.8	T6
SBJ1608-32L	16	8-11	80	32	32		TBGT060102	M2*5.0	T6
SBJ1610-40L	16	10-13	87	40	32		TBGT060102	M2*5.0	T6
SBJ1612-53L	16	12-15	98	53	32		TPGH090202	M2.5*6.0	T8
SBJ1614-60L	16	14-17	105	60	32		TPGH090202	M2.5*6.0	T8
SBJ1616-68L	16	16-21	110	68	32		TPGH090202	M2.5*6.0	T8
SBJ1620-83L	16	20-26	125	83	32		TPGH110304	M3*8.0	T8
SBJ1625-90L	16	25-31	128	90	32		TPGH110304	M3*8.0	T8
SBJ1630-90L	16	30-36	128	90	32		TPGH110304	M3*8.0	T8
SBJ1635-90L	16	35-41	128	90	32	11°	TPGH110304	M3*8.0	T8
SBJ1640-90L	16	40-46	128	90	32		TPGH110304	M3*8.0	T8
SBJ1645-90L	16	45-51	128	90	32		TPGH110304	M3*8.0	T8
SBJ1616-150L(加长)	16	16-21	192	150	32		TPGH090202	M2.5*6.0	T8
SBJ1620-150L(加长)	16	20-26	192	150	32		TPGH110304	M3*8.0	T8
SBJ1625-150L(加长)	16	25-31	188	150	32		TPGH110304	M3*8.0	T8
SBJ1630-150L(加长)	16	30-36	188	150	32		TPGH110304	M3*8.0	T8

特点:

注:

◎可搭配 SCK6 刀杆并可与 CK6 系统刀杆相容

◎采用特殊表面处理，加强防锈效果

◎微调单位：每刻度移动量为 0.01mm，另有副尺可做更精确之调整，镗孔范围 ϕ6-ϕ50mm

◎搭配 16mm 柄径的小径镗刀，并搭配不同切削刀具，达成多样化的组合，以利客户加工使用。

Features:

◎ Suitable for combining with SCK6 series of tool holders as well as CK6 series of tool holders.

◎ With special coating treatment,to strengthen the anti-corrosion effect.

◎ Micro-adjustment unitl:each unit is 0.01mm.Available is asub-dial for finer adjustment,boring range ϕ6-ϕ50mm.

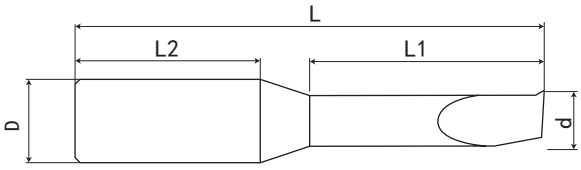
◎ With 16mm shank trails Boring,with different cutting tools can be reached a variety of combinations,in order to facilitate customers to use.

镗孔刀具系列 BORING HEAD

CBI 系列专用超小径碳化钨镗孔刀

SUPER FINE DIAMETER TUNGSTEN CARBIDE BORING BAR DEDICATED TO CBI SERIES



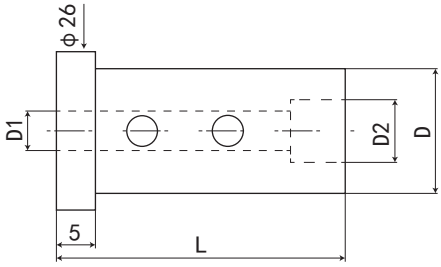


规格 / 型号 Model	ϕd 镗孔范围 Boring Range				D	L1	L2	L	重量 KGS
	Min.	Max.							
		CBI4	CBI5	CBI6					
CBJ0603-15	3	7	10	13	6	15	32	50	-
CBJ0604-20	4	8	11	14	6	20	32	50	-
CBJ0605-25	5	9	12	15	6	25	32	60	-
CBJ0606-30	6	10	13	16	6	30	32	60	-
CBJ1008-35	8	12	15	18	10	35	32	75	-
CBJ1010-40	10	14	17	20	10	40	32	75	-

CBI 小径套筒

CBI SMALL DIAMETER ADAPTER

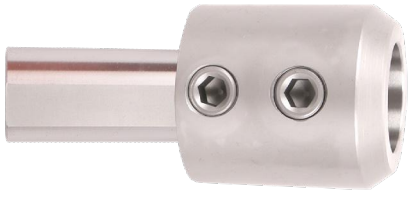


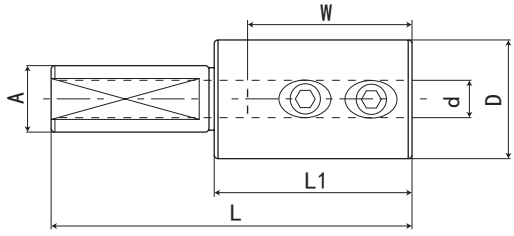


规格 / 型号 Model	D	D1	D1	L	螺丝 Screw	扳手 Wrench	扭力值 (N.m)Torque	重量 KGS
SH-0416-37	16	4	8	37	M4*4	PL2	3.0	0.07
SH-0516-37	16	5	8	37	M5*5.5	PL2	3.0	0.06
SH-0616-37	16	6	8	37	M6*4	PL2	3.0	-
SH-0716-37	16	7	8	37	M6*4	PL2	3.0	-

CBI 系列专用超小径镗刀延长杆

EXTENSION ADAPTER FOR SMALL DIAMETER BORING BAR DEDICATED TO CBI SERIES





规格 / 型号 Model	A	D1	d	L1	W	L	重量 KGS
AC1006-30	10	18	6	30	25	55	-
AC1206-35	12	22	6	35	25	65	-
AC1210-35	12	22	10	35	30	65	-
AC1606-35	16	16	6	35	25	85	0.14
AC1610-35	16	22	10	35	30	85	-

F1-1/2" 型镗头 TYPE F1-1/2 BORING HEADS

特点：

注：

◎根据机床所需可配合各种锥柄使用

◎刻度有公制和英制规格，每小格 0.01mm（0.0005"）

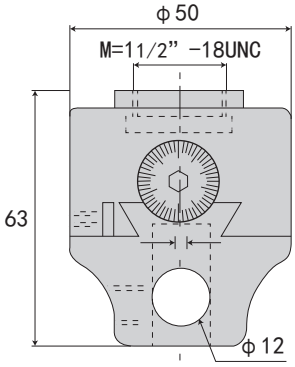
◎调整行程 15mm（5/8"）

◎最小镗孔直径 10mm

◎最大镗孔直径 125mm

◎最深镗孔深度 60mm

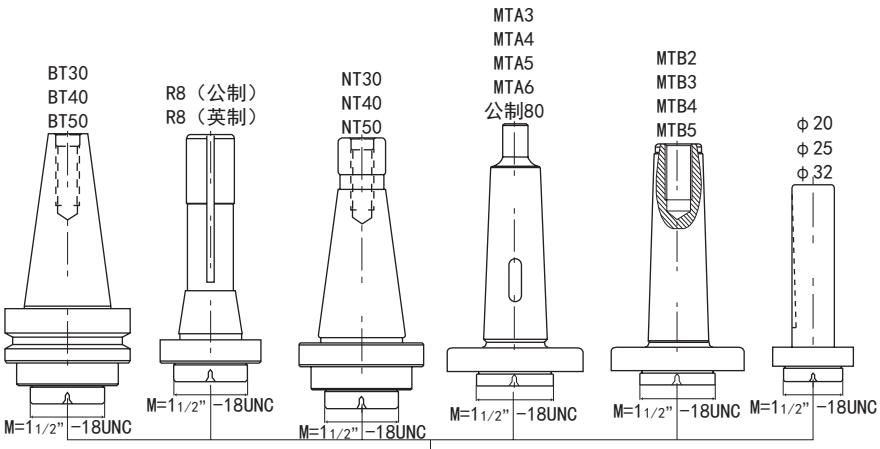




规格 / 型号 Model	D	H	最大位移 Max offset	刀杆直径 d Boring bor dia	最小刻度值 Min graduation	镗削直径 Dia of Bring
F1-1/2	50	63	5/8"	1/2"	0.001"	3/8"-5"
F1-12	50	63	16mm	12mm	0.01mm	10-125mm

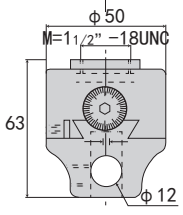
F1 -1/2" 型镗头 + 锥柄 TYPE F1-1/2 BORING HEADS+SHANK











规格 / 型号 Model	连接柄 Shank	镗头型号 Head No	重量 KGS	规格 / 型号 Model	连接柄 Shank	镗头型号 Head No	重量 KGS
BT30-F1-1/2"	BT30-1 1/2"-18UNC	F1-1/2"	1.5	MTA2-F1-1/2"	MTA2-1 1/2"-18UNC	F1-1/2"	1.1
BT40-F1-1/2"	BT40-1 1/2"-18UNC	F1-1/2"	2.0	MTA3-F1-1/2"	MTA3-1 1/2"-18UNC	F1-1/2"	1.3
BT50-F1-1/2"	BT50-1 1/2"-18UNC	F1-1/2"	4.7	MTA4-F1-1/2"	MTA4-1 1/2"-18UNC	F1-1/2"	1.7
NT30-F1-1/2"	NT30-1 1/2"-18UNC	F1-1/2"	1.3	MTA5-F1-1/2"	MTA5-1 1/2"-18UNC	F1-1/2"	2.2
NT40-F1-1/2"	NT40-1 1/2"-18UNC	F1-1/2"	2.0	MTA6-F1-1/2"	MTA6-1 1/2"-18UNC	F1-1/2"	6.2
NT50-F1-1/2"	NT50-1 1/2"-18UNC	F1-1/2"	3.9	公制 80-F1-1/2"	公制 80-1 1/2"-18UNC	F1-1/2"	8.6
MTB2-F1-1/2"-M10	MTB2-1 1/2"-18UNC	F1-1/2"	1.0	C20-F1-1/2"	C20-1 1/2"-18UNC	F1-1/2"	1.1
MTB3-F1-1/2"-M12	MTB3-1 1/2"-18UNC	F1-1/2"	1.2	C25-F1-1/2"	C25-1 1/2"-18UNC	F1-1/2"	1.2
MTB4-F1-1/2"-M16	MTB4-1 1/2"-18UNC	F1-1/2"	1.6	C32-F1-1/2"	C32-1 1/2"-18UNC	F1-1/2"	1.4
MTB5-F1-1/2"-M20	MTB5-1 1/2"-18UNC	F1-1/2"	2.1	R8-F1-1/2" 公制	R8 公制 -1 1/2"-18UNC	F1-1/2"	1.3
				R8-F1-1/2" 英制	R8 英制 -1 1/2"-18UNC	F1-1/2"	1.3

镗孔刀具系列 BORING HEAD

F1-3/4" 型镗头 TYPE F1-3/4 BORING HEADS

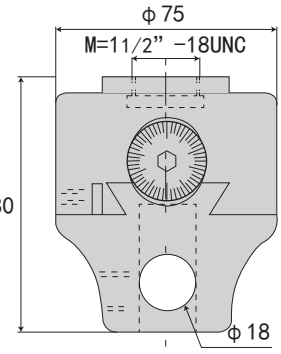
特点:

注:
◎根据机床所需可配合各种锥柄使用
◎刻度有公制和英制规格，每小格 0.01mm（0.0005"）
◎调整行程 25mm（1"）
◎最小镗孔直径 12mm
◎最大镗孔直径 225mm
◎最深镗孔深度 90mm

Features:

◎ Use diifferent shanks according different lathe
◎ The dial has one scale in centimetres and another in inches, minimum scale value is 0.01mm(0.0005").
◎ Max offset 25mm（1"）
◎ Dia of boring:12mm
◎ Max boring diameter：225mm
◎ Max depth of boring hole

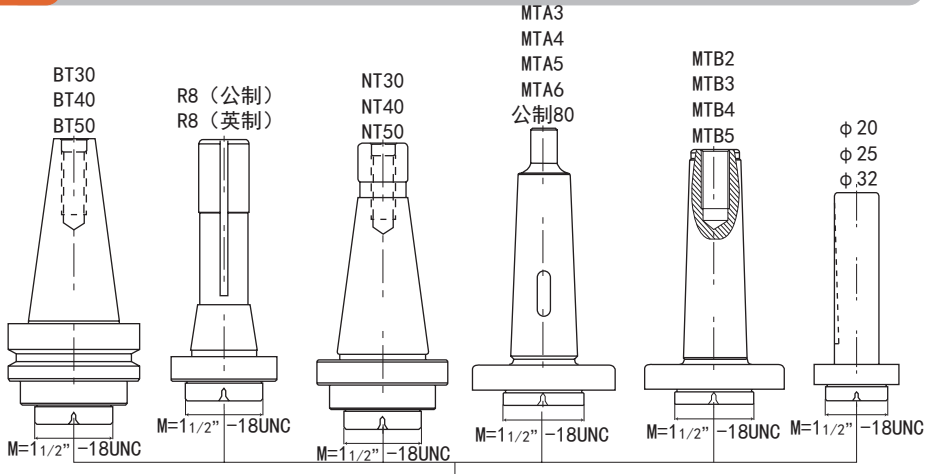




规格 / 型号 Model	D	H	最大位移 Max offset	刀杆直径 Boring bar dia	最小刻度值 Min graduation	镗削范围 Boring Range
F1-3/4	75	80	1"	3/4"	0.0005"	1/2"-9"
F1-18	75	80	25mm	18mm	0.01mm	12-225mm

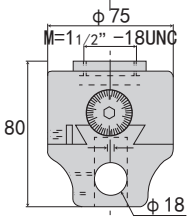
F1-3/4" 型镗头 + 锥柄 TYPE F1-3/4 BORING HEADS+SHANK











规格 / 型号 Model	连接柄 Shank	镗头型号 Head No	重量 KGS	规格 / 型号 Model	连接柄 Shank	镗头型号 Head No	重量 KGS
BT30-F1-3/4"	BT30-1 1/2"-18UNC	F1-3/4"	1.6	MTA2-F1-3/4"	MTA2-1 1/2"-18UNC	F1-3/4"	1.3
BT40-F1-3/4"	BT40-1 1/2"-18UNC	F1-3/4"	2.1	MTA3-F1-3/4"	MTA3-1 1/2"-18UNC	F1-3/4"	1.5
BT50-F1-3/4"	BT50-1 1/2"-18UNC	F1-3/4"	4.9	MTA4-F1-3/4"	MTA4-1 1/2"-18UNC	F1-3/4"	1.85
NT30-F1-3/4"	NT30-1 1/2"-18UNC	F1-3/4"	1.4	MTA5-F1-3/4"	MTA5-1 1/2"-18UNC	F1-3/4"	2.55
NT40-F1-3/4"	NT40-1 1/2"-18UNC	F1-3/4"	2.2	MTA6-F1-3/4"	MTA6-1 1/2"-18UNC	F1-3/4"	7.0
NT50-F1-3/4"	NT50-1 1/2"-18UNC	F1-3/4"	4.0	公制 80-F1-3/4"	公制 80-1 1/2"-18UNC	F1-3/4"	9.0
MTB2-F1-3/4"-M10	MTB2-1 1/2"-18UNC	F1-3/4"	1.2	C20-F1-3/4"	C20-1 1/2"-18UNC	F1-3/4"	1.3
MTB3-F1-3/4"-M12	MTB3-1 1/2"-18UNC	F1-3/4"	1.4	C25-F1-3/4"	C25-1 1/2"-18UNC	F1-3/4"	1.4
MTB4-F1-3/4"-M16	MTB4-1 1/2"-18UNC	F1-3/4"	1.7	C32-F1-3/4"	C32-1 1/2"-18UNC	F1-3/4"	1.6
MTB5-F1-3/4"-M20	MTB5-1 1/2"-18UNC	F1-3/4"	2.3	R8-F1-3/4" 公制	R8 公制 -1 1/2"-18UNC	F1-3/4"	1.4
				R8-F1-3/4" 英制	R8 英制 -1 1/2"-18UNC	F1-3/4"	1.4

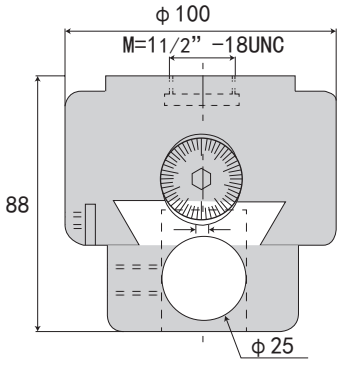
F1-1" 型镗头　TYPE F1-1 BORING HEADS

特点：

注：

◎根据机床所需可配合各种锥柄使用
◎刻度有公制和英制规格，每小格 0.01mm（0.0005"）
◎调整行程 25mm（1"）
◎最小镗孔直径 15mm
◎最大镗孔直径 320mm
◎最深镗孔深度 150mm

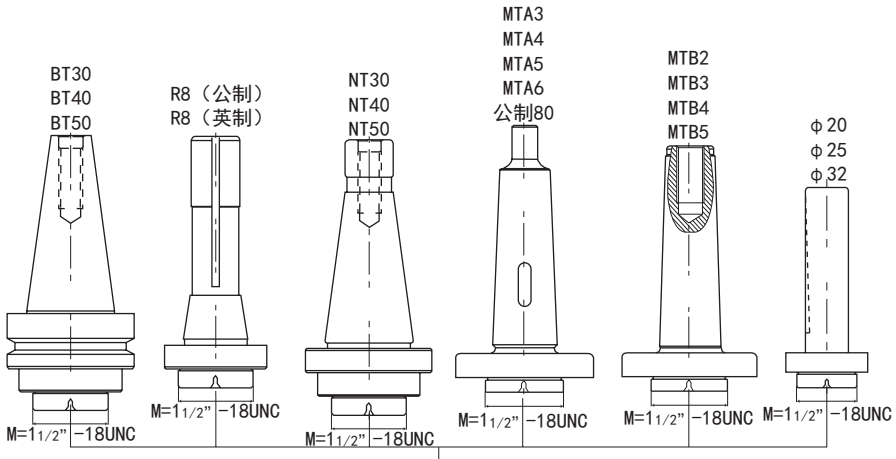




规格 / 型号 Model	D	H	最大位移 Max offset	刀杆直径 Boring bor dia	最小刻度值 Min graduation	镗削直径 Dia of Bring
F1-1	100	88	1-5/8"	1"	0.0005"	5/8"-12.5"
F1-25	100	88	41mm	25mm	0.01mm	15-320mm

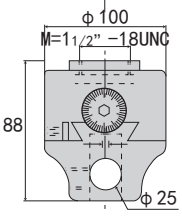
F1-1" 型镗头 + 锥柄　TYPE F1-1 BORING HEADS+SHANK









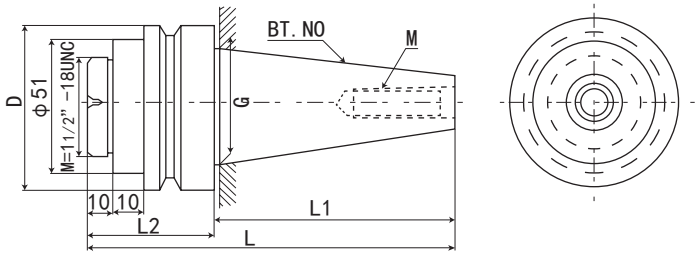


规格 / 型号 Model	连接柄 Shank	镗头型号 Head No	重量 KGS	规格 / 型号 Model	连接柄 Shank	镗头型号 Head No	重量 KGS
BT30-F1-1"	BT30-1 1/2"-18UNC	F1-1"	2.1	MTA2-F1-1"	MTA2-1 1/2"-18UNC	F1-1"	1.4
BT40-F1-1"	BT40-1 1/2"-18UNC	F1-1"	2.3	MTA3-F1-1"	MTA3-1 1/2"-18UNC	F1-1"	1.6
BT50-F1-1"	BT50-1 1/2"-18UNC	F1-1"	5.0	MTA4-F1-1"	MTA4-1 1/2"-18UNC	F1-1"	1.7
NT30-F1-1"	NT30-1 1/2"-18UNC	F1-1"	1.6	MTA5-F1-1"	MTA5-1 1/2"-18UNC	F1-1"	2.6
NT40-F1-1"	NT40-1 1/2"-18UNC	F1-1"	2.3	MTA6-F1-1"	MTA6-1 1/2"-18UNC	F1-1"	7.3
NT50-F1-1"	NT50-1 1/2"-18UNC	F1-1"	4.1	公制 80-F1-1"	公制 80-1 1/2"-18UNC	F1-1"	9.5
MTB2-F1-1"-M10	MTB2-1 1/2"-18UNC	F1-1"	1.3	C20-F1-1"	C20-1 1/2"-18UNC	F1-1"	1.4
MTB3-F1-1"-M12	MTB3-1 1/2"-18UNC	F1-1"	1.5	C25-F1-1"	C25-1 1/2"-18UNC	F1-1"	1.5
MTB4-F1-1"-M16	MTB4-1 1/2"-18UNC	F1-1"	1.8	C32-F1-1"	C32-1 1/2"-18UNC	F1-1"	1.7
MTB5-F1-1"-M20	MTB5-1 1/2"-18UNC	F1-1"	2.4	R8-F1-1" 公制	R8 公制 -1 1/2"-18UNC	F1-1"	1.6
				R8-F1-1" 英制	R8 英制 -1 1/2"-18UNC	F1-1"	1.6

镗孔刀具系列 BORING HEAD

BT-F1 型镗头锥柄 BT-F1 BORING HEAD+SHANK ASSEMBLY ILLUSTRATION

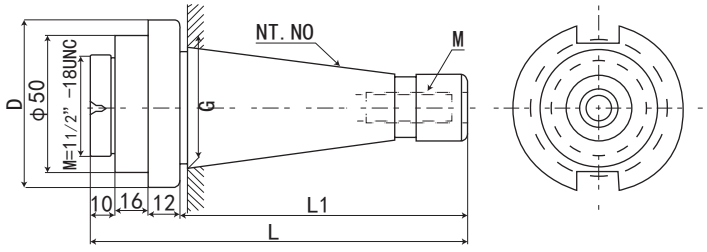




规格 / 型号 Model	BT.NO	L	L1	L2	D	M	G	重量 KGS
BT30-1 1/2"-18UNC	BT30	90.4	50.4	40	46	M12*1.75P	31.75	1.6
BT40-1 1/2"-18UNC	BT40	112.4	67.4	45	63	M16*2.0P	44.45	2.1
BT50-1 1/2"-18UNC	BT50	154.8	104.8	50	100	M24*3.0P	69.85	4.9

NT-F1 型镗头锥柄 NT-F1 BORING HEAD+SHANK ASSEMBLY ILLUSTRATION

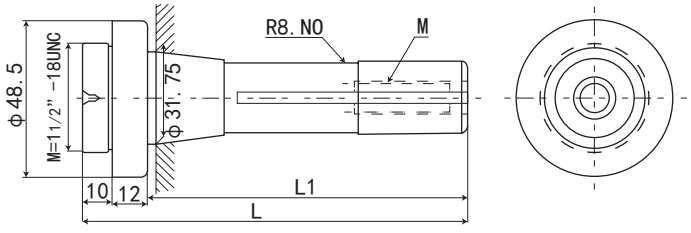




规格 / 型号 Model	NT.NO	L	L1	D	M	G	重量 KGS
NT30-1 1/2"-18UNC	NT30	108	70	50	M12*1.75P	31.75	1.6
NT40-1 1/2"-18UNC	NT40	133	95	63	M16*2.0P	44.45	2.1
NT50-1 1/2"-18UNC	NT50	168	130	95	M24*3.0P	69.85	4.9

R8-F1 型镗头锥柄 R8-F1 BORING HEAD+SHANK ASSEMBLY ILLUSTRATION

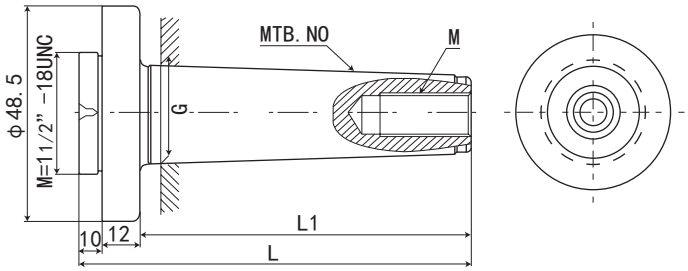




规格 / 型号 Model	R8.NO	L	L1	M	G	重量 KGS
R8-1 1/2"-18UNC 公制	R8 公制	126	104	M12*1.75P	31.75	1.4
R8-1 1/2"-18UNC 英制	R8 英制	126	104	7/16-20UNF	31.75	1.4

莫氏 MTB-F1 型镗头锥柄 MS. MTB-F1 BORING HEAD+SHANK ASSEMBLY ILLUSTRATION

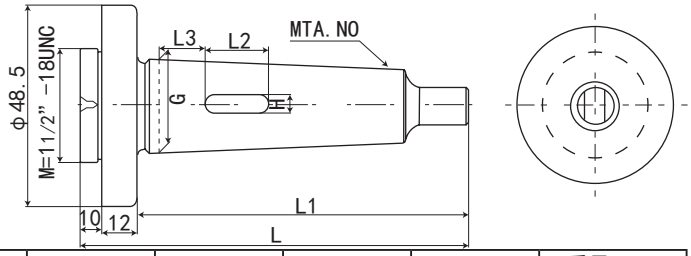




规格 / 型号 Model	MTB.NO	L	L1	M	G	重量 KGS
MTB2-1½"-18UNC	MTB2	90	68	M10*1.5P	17.780	1.2
MTB3-1½"-18UNC	MTB3	107	85	M12*1.75P	23.825	1.4
MTB4-1½"-18UNC	MTB4	130	108	M16*2.0P	31.267	1.7
MTB5-1½"-18UNC	MTB5	158	136	M20*2.5P	44.399	2.3

莫氏 MTA-F1 型镗头锥柄 MS. MTA-F1 BORING HEAD+SHANK ASSEMBLY ILLUSTRATION

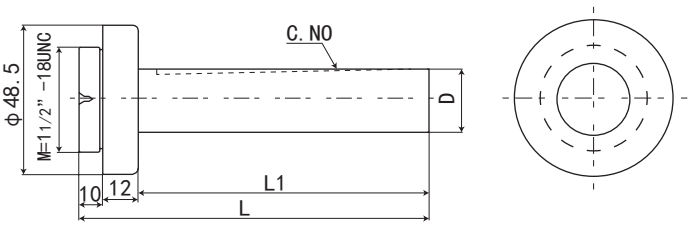




规格 / 型号 Model	MTA.NO	L	L1	L2	L3	H	G	重量 KGS
MTA2-1½"-18UNC	MTA2	106	84	-	-	-	17.780	1.3
MTA3-1½"-18UNC	MTA3	121	99	-	-	-	23.825	1.5
MTA4-1½"-18UNC	MTA4	146	124	-	-	-	31.267	1.85
MTA5-1½"-18UNC	MTA5	178	156	40	35	13	44.399	2.55
MTA6-1½"-18UNC	MTA6	240	218	40	45	17	63.348	7.0
公制 80-1½"-18UNC	公制 80	250	228	45	55	20	80.00	9.0

直柄 C 型 -F1 型镗头锥柄 C-F1 BORING HEAD+SHANK ASSEMBLY ILLUSTRATION



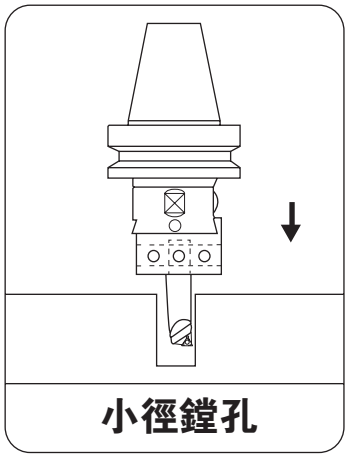


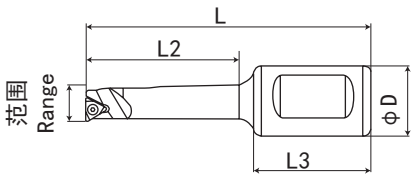
规格 / 型号 Model	C.NO	L	L1	D	重量 KGS
C20-1½"-18UNC	C20	82	60	20	1.3
C25-1½"-18UNC	C25	82	60	25	1.4
C32-1½"-18UNC	C32	82	60	32	1.6

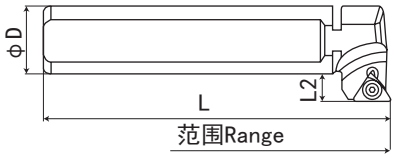
镗孔刀具系列 BORING HEAD

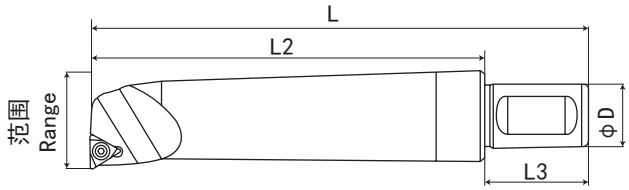
F1 型镗头替换式镗孔刀杆 F1 INTERCHANGEABLE BORING CUTTER











F1-1/2" 镗头替换式镗孔刀杆 F1-1/2" INTERCHANGEABLE BORING CUTTER

规格 / 型号 Model	尺寸					刀片 Insert		螺丝 Screw	扳手 Wrench
	D	范围 Range	L	L2	L3				
SBJ1208-32L	12	8-10	64	32	32		TBGT060102	M2*4.0	T6
SBJ1210-40L	12	10-12	72	40	32		TBGT060102	M2*4.0	T6
SBJ1212-50L	12	12-16	77	50	32		TPGH090202	M2.5*5.0	T8
SBJ1216-50L	12	16-20	77	50	32		TPGH090202	M2.5*5.0	T8
SBJ1220-50L	12	20-25	77	50	32		TPGH110304	M3*8.0	T10
SBJ12-36	12	70-150	60	-	32		TPGH110304	M3*8.0	T10

F1-3/4" 镗头替换式镗孔刀杆 F1-3/4" INTERCHANGEABLE BORING CUTTER

规格 / 型号 Model	尺寸					刀片 Insert		螺丝 Screw	扳手 Wrench
	D	范围 Range	L	L2	L3				
SBJ1808-32L	18	8-10	80	32	32		TBGT060102	M2*4.0	T6
SBJ1810-40L	18	10-12	87	40	32		TBGT060102	M2*4.0	T6
SBJ1812-53L	18	12-16	98	53	32		TPGH090202	M2.5*5.0	T8
SBJ1816-68L	18	16-20	110	68	32		TPGH090202	M2.5*5.0	T8
SBJ1820-83L	18	20-25	123	83	32		TPGH110304	M3*8.0	T10
SBJ1825-96L	18	25-30	137	96	32		TPGH110304	M3*8.0	T10
SBJ1830-115L	18	30-35	152	115	32		TPGH110304	M3*8.0	T10
SBJ18-36	18	-	100	80+BTL1	32		TPGH110304	M3*8.0	T10

F1-1" 镗头替换式镗孔刀杆 F1-1" INTERCHANGEABLE BORING CUTTER



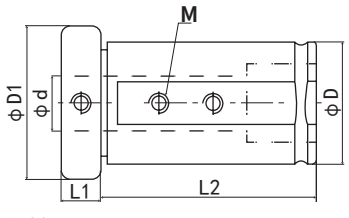


FIG1

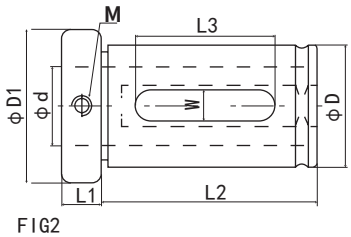


FIG2

规格 / 型号 Model	D	d	D1	L1	L2	L3	W	M	Fig
D25-12	25	12	33	14	50	-	-	M8	1
D25-18	25	18	33	14	50	42	10	-	2

◎此刀套可与以上两种刀杆在 F1-1" 镗头上使用，也可以选择直径 25 的内孔车刀杆在镗头上使用。

镗孔刀具系列
BORING TOOL SERIES

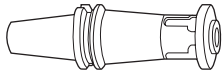


镗孔刀具系列
BORING TOOL SERIES

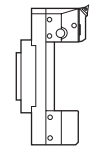
镗孔刀具系列 BORING HEAD

模块式精镗系列 MODULAR FINE BORING SYSTEM

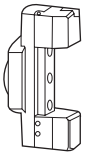
BST BORING SYSTEM
BST 系列



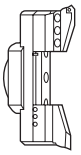
BST Basic Boring Holder
BST 镗头刀柄



FBH Large Diameter Modular Micro Boring Head
FBH 大径极细微调精镗头



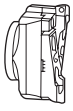
CBA Large Diameter Boring Head
CBA 大径微调精密镗头



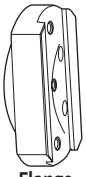
DBH Large Diameter Rougn Boring Head
DBH 大径双刃粗镗头



DBH Twin Cutter Rough Boring Head(DBH120)
DBH 分体式粗镗头（DBH120)



DBH Twin Cutter Rough Boring Head(DBH160)
DBH 分体式粗镗头（DBH160)

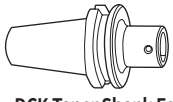


Flange
连接盘



Extension Slider
横向滑板

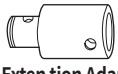
DCK BORING SYSTEM
DCK 系列



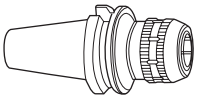
DCK Taper Shank For Boring Head
DCK 镗头刀柄



DCK Reducion Adapter
DCK 异径转换接柄（大接小）



DCK Exten tion Adapter
DCK 等径延长接柄

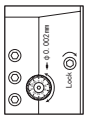




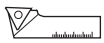
SCB Boring Bar With Solid Carbide Shank
SCB 超硬整体碳化钨钢镗刀杆



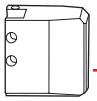
SSB-C32 Boring Bar Wuth Straight Shank
SSB-C32 直柄镗刀杆



FBH Finish Head
FBH 微调滑块



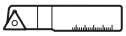
Insert Holder For FBH Boring
FBH 精镗刀座



Balance Weight
平衡滑块



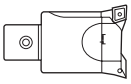
Shim For Insert Holder
刀片座垫片



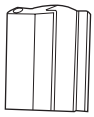
Insert Holder For FBH Back-Boring Head
FBH 精镗反镗刀座



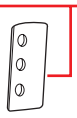
CBA Finish Head
CBA 微调滑块



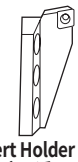
ABH Rough Boring Head
ABH 粗镗头系统组合



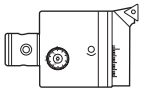
Balanced Weight
滑块



Shim For Insert Holder
刀片座垫片



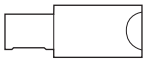
Insert Holder
刀片座及适用刀片



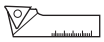
FBH Micro Boring Head
FBH 极细微调精镗刀



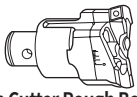
BM8



BM5



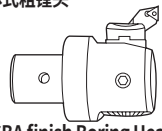
Insert Holder For FBH Boring
FBH 精镗刀座



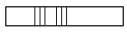
DBH Twin Cutter Rough Boring Head
DBH 分体式粗镗头



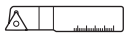
BM140-20



CBA finish Boring Head
CBA 微调精密镗头



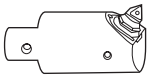
Shim For Insert Holder
刀片座垫片



Insert Holder For FBH Back-Boring Head
FBH 精镗反镗刀座



FBH Micro-Boring Bar
FBH 精镗刀杆



DCK-DYD Micro-boring Bar
DCK-DYD 微调精密镗头



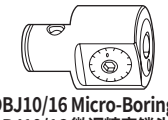
DBJ Collet For Solid Caibide
Boring Bar
DBJ 钨钢刀杆专用筒夹



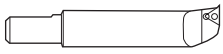
DT Anti-shaking Solid
Carbide Boring Bar
DT 抗震钨钢刀杆



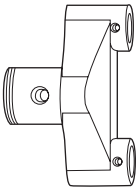
DEB Indexable Insert Holder
For Boring Bar
DEB 拾弃式镗头



DBJ10/16 Micro-Boring Head
DBJ10/16 微调精密镗头



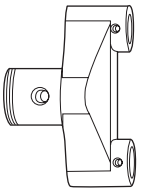
DBJ10/16 Micro-boring Bar
DBJ10/16 微调镗头刀杆



CBA-M Modular Adapter For Pin Turning
CBA-M 微调精密反镗头



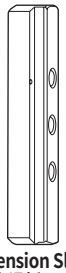
Balance Weight
平衡块



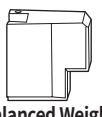
CBA-L Modular Adapter
For Pin Turning
CBA-L 微调精密反镗头



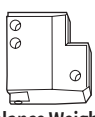
Flange
连接盘



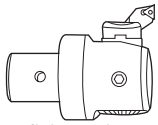
Extension Slider
横向滑板



Balanced Weight
滑块



Balance Weight
平衡滑块



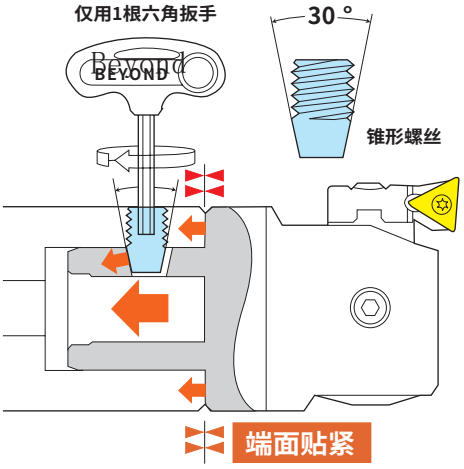
CBA finish Boring Head
CBA 微调精密镗头

镗孔刀具系列 BORING HEAD

CK 模块式镗刀系列 CK MODULAR BORING BAR

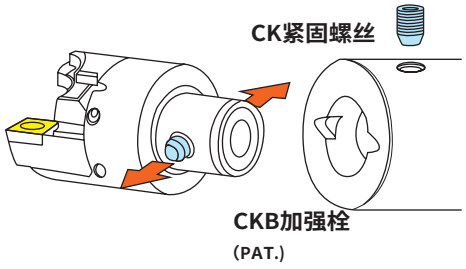
高精度 强力 操作方便——最理想的连接方式

High Precision,Big Power And Easy Operation——the Best Connection Style



要点：1 依靠锥形螺丝，把紧固力转换成轴向拉力，使镗头端面与本体强力贴紧。

要点：2 配有 CKB 加强栓（PAT.），以承受如粗镗等高扭矩加工。

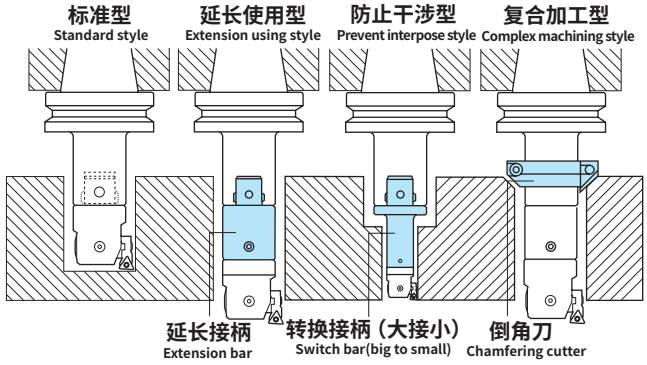


CK No.	剪切强度 (CK 紧固螺丝)
CK1	600kg
CK2	1,100kg
CK3	1,400kg
CK4	3,000kg
CK5	4,700kg
CK6	7,100kg
CK7	16,200kg

因为是模块式

能够自由设定 加工直径和有效加工深度

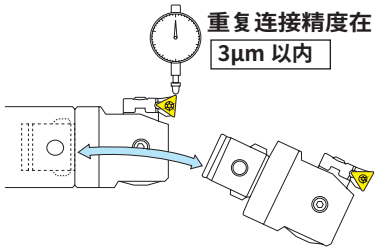
针对不同的工件形状，可以用延长杆加长、或用减径杆减小加工直径。既可以保持刚性，又可以防止干涉。再配合倒角器，可自由组合成最合适的镗孔刀具。



虽然是模块式

重复连接精度在 3μm 以内

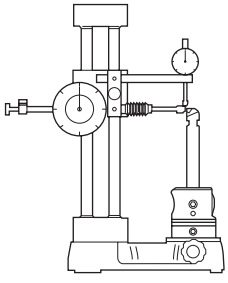
同一镗头多次重复拆、装，刀尖的位置误差不超过 3μm。实际加工中可获得稳定的加工精度。



因为是模块式

只需镗头单独对刀

由于镗头与本体间的重复连接精度非常高，所以只需镗头单独对刀。镗头单体对刀可减轻劳动强度、提高工作效率，并且可事先将各镗头的加工直径调节好，而降低综合成本。



CK 对刀仪

CKP150ZA..... 对应 CK1-CK6
CKP550..... 对应 CK7

特点：

注：
◎依靠 30 度锥形螺丝，把紧固力转换成轴向拉力，使镗刀端面与本体端面贴紧。（如图）
◎模块式设计，可以自由设定加工直径和有效加工深度，配用。转换接头（大接小）减少刀具直径，既可以确保刚性，又可以防止干涉，再配合倒角器可自由组合成最合适的镗削刀具。（如图）
◎因镗头与本体的连接精度非常高所以只需对镗头单独对刀，可减轻劳动强度，提高工作效率，降低综合成本。

Features:

◎ To change settled force into axial pull with the 30 angle taper screw,so the end face of boring bar and holder touch closely.(Show as chart)
◎ Modular designs can set on machining diameter and available process depth freely and easy for choosing.Reducing the cutter diameter of switch head(size)can not only assure the rigidity but also prevent interpose;then cooperating with chamfering machine,there is the most suitable boring bar in free combination.(show as chart)
◎ Because the boring head and holder minutely connected,so we should setting cutiing head separated,Then it can increase the job efficiency,reduce the labor intensity and colligation cost.

EWN 精镗头　EWN FINE BORING HEAD

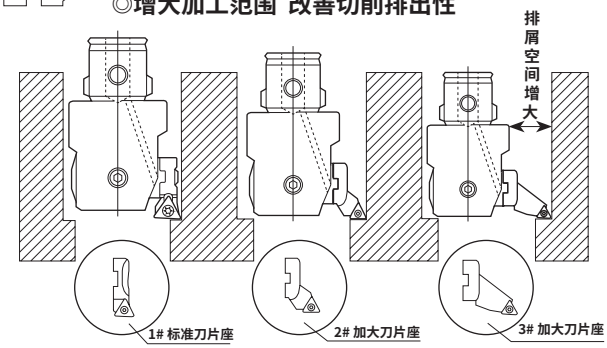
加工范围 :φ20-φ203



特点 1:

只需交换刀片座

◎增大加工范围 改善切削排出性

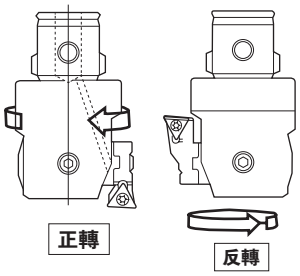


同一镗头可对应 3 种刀片座，加工范围约增大到原来的 3 倍。同时可根据需要灵活组合，增大镗头与孔壁间的空隙，改善切屑的排出性。

特点 2:

满足同轴度的要求

◎标准对应反镗加工



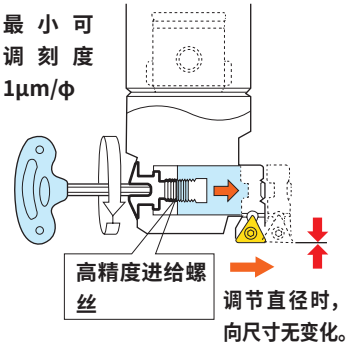
在镗背面的孔时，往往需要将工件反装。这样不仅浪费时间，而且很难保证前后孔的同轴度，EWN 精镗头只需将刀片座反装即可标准对应反镗加工，既能保证精度，又能提高生产效率。

（※ 用 1# 刀片座不能进行反镗加工。）

特点 3:

◎高信赖性进给螺丝

最小可调刻度 1μm/φ



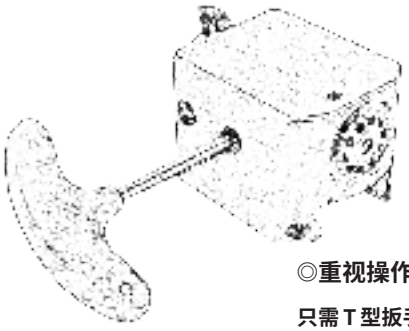
调节直径时，轴向尺寸无变化。

进给螺丝是精镗头的命脉，采用配对生产法，将螺丝与螺母间的齿隙限制在最小，获得最高的信赖性。

因进给螺纹牙距极细小进给到底时或套管轴固定螺丝未放松时绝不能再进刀，否则会破坏进给螺纹。

EWN 150 精镗头（大孔径用）　EWN 150 FINE BORING HEAD

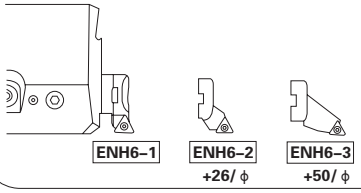
特点 1:



◎重视操作性

只需 T 型扳手 1 把，方便，迅速

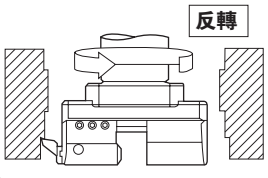
特点 2:　加工范围 :φ150-φ880



◎加工范围增大

通过交换刀片座，增大加工范围

特点 3:



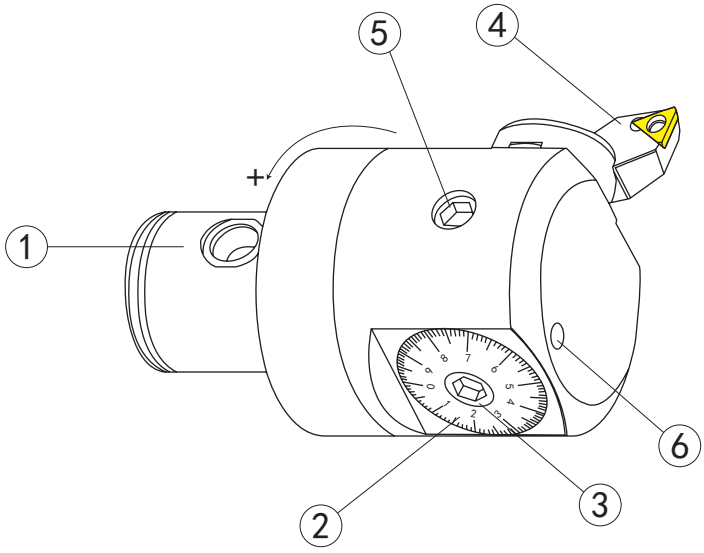
◎對應反鐙加工

只要将刀片座反装，就可以进行反镗。

（※ 用 1# 刀片座不能进行反镗加工）

EWN 产品主要部位名称 THE NAME OF THE MAIN PART OF PRODUCTS WITH EWN

1. EWN shank
   EWN 柄部
2. Micro adjusting knob
   微调旋钮
3. EWN body
   EWN 头部
4. Insent holder
   刀片座
5. Lock screw
   固定螺丝
6. Oil inlet
   注油口



使用顺序 /Sequence of Use

请参照图示，按下列顺序 1-5 顺序操作：
步骤一：松开固定螺丝。
步骤二：按顺时针方向旋转调旋钮，使加工直径增大，调整旋钮刻度为 ϕ0.01mm。
步骤三：按逆时针方向旋转旋钮，使加工直径减小。
步骤四：调整尺寸加工时，请按同方向微调，以确保微调精度。
步骤五：微调至所需尺寸时，请以适当扭力锁紧固定螺丝。

Please operate the following step(1-5)according to the diagram figured:
Step1.Loosening the fixed screws.
Step2.Rotating tune knob by clockwise to increase the processing diameter,the graduate is ϕ0.01mm.
Step3.Rotating by anti-clockwise will decrease the processing diameter.
Step4.When adjusting the size of processing,please fine-tuning by the same direction to ensure mirco adjustment Precision.
Step5.When meet the demanded size,please use the proper force to lock the fasten screws.

使用者注意事项 /Notices of The User

1. 请使用在加工范围内。
2. 当滑座在已锁紧状态下，请勿旋转调整旋钮，否则会导致调整机构被破坏。
3. 滑座之固定，请使用专用扳手，以适当扭力来确保锁紧固定螺丝。过度锁紧会导致座体移位，过松会造成精度不良。
4、本产品是由精密螺丝、移动刀片座旋转调整旋钮，在阻力很大或无法转动时，请停止调整，并确认以下事项：
①固定螺丝是否松开。
②是否超出调整范围。
③当过度旋转调整旋钮时，会导致刀杆和本体卡死，镗头精度被破坏。
5、在使用本产品前，应先加入润滑脂；使用后，应将表面清理干净，浸入防锈油，以免长时间放置后生锈。

1Using in the processing range.
2Do not rotate the adjustment knob when the slide is tightly locked,or the adjusting mechanism will be destroyed.
3Please use special wrench to fix the screw with proper torque force to fix the guide shaft.Too much locking will be screw stem shift, on the contrary,there will be accuracy of non-performing.
4Our products use micro screws,mobile slide to rotate the adjustment knob. You should make sure the following notices and adjusting with great resistance or it can not move:
① Whether the fixed screw is loosened.
② Whether it is out of the adjustment range.
③ Too much force will make cutting tools dead and the precision of boring head destroyed.
5Lubrication grease shall be applied befor working; Please clean it after working and dip it in antirust oil in case of rust.

EWN 微调精密镗头 EWN SMALL DIAMETER FINE BORING HEAD



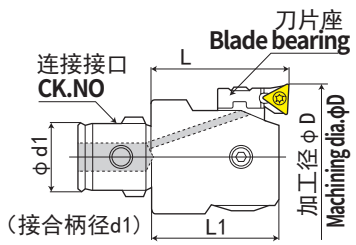
型号说明

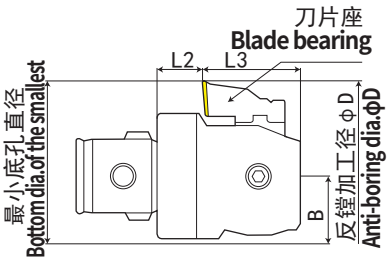
EWN 20-36 CK1

- EWN 精镗头（不附带刀片）
- 20-36 加工范围
- CK1 CK NO.

备注：

◎加工范围是指TP08刀片半径R0.2、TC11刀片半径R0.4时的值。
◎镗头仅附带 1# 刀片座。（2#/3# 刀片座需要另购）
◎反镗加工时，主轴应反转。





最小底孔直径=B+（反镗加工直径/2）
Diameter of the smallest

规格 / 型号 Model	连接接口 CK.NO	d1	刀片座 Blade bearing	正镗 Boring			反镗 Counter boring				适配刀片 Insert	螺丝 Screw	扳手 Wrench	重量 KGS
				镗孔范围 Boring Range ΦD	L	L1	镗孔范围 Boring Range ΦD	L2	L3	B				
EWN20-36-CK1	CK1	11	ENH1-1	20-26	32.5	29.5	-	10.5	19	10	TPGH0802	M2.2*5	T6	0.07
			ENH1-2	25-31	32.5	29.5	30-31	10.5	19	10	TPGH0802	M2.2*5	T6	0.07
			ENH1-3	30-36	32.5	29.5	30-36	10.5	19	10	TPGH0802	M2.2*5	T6	0.07
EWN25-47-CK2	CK2	14	ENH2-1	25-33	36.5	32.5	-	11.5	21	12.5	TPGH0802	M2.2*5	T6	0.12
			ENH2-2	32-40	36.5	32.5	36-40	11.5	21	12.5	TPGH0802	M2.2*5	T6	0.12
			ENH2-3	39-47	36.5	32.5	39-47	11.5	21	12.5	TPGH0802	M2.2*5	T6	0.12
EWN32-60-CK3	CK3	18	ENH3-1	32-42	42.5	35	-	10	25	16	TPGH0802	M2.2*5	T6	0.21
			ENH3-2	41-51	42.5	35	46-51	10	25	16	TPGH0802	M2.2*5	T6	0.21
			ENH3-3	50-60	42.5	35	50-60	10	25	16	TPGH0802	M2.2*5	T6	0.21
EWN41-74-CK4	CK4	22	ENH4-1	41-54	51.5	43	-	14	29	20	TCGT110204	M2.5*6	T8	0.40
			ENH4-2	50-63	51.5	43	53-63	14	29	20	TCGT110204	M2.5*6	T8	0.40
			ENH4-3	61-74	51.5	43	61-74	14	29	20	TCGT110204	M2.5*6	T8	0.40
EWN53-95-CK5	CK5	28	ENH5-1	53-70	59.5	53	62-70	19	34	25.5	TCGT110204	M2.5*6	T8	1.10
			ENH5-2	65-82	59.5	53	65-82	19	34	25.5	TCGT110204	M2.5*6	T8	1.10
			ENH5-3	78-95	59.5	53	78-95	19	34	25.5	TCGT110204	M2.5*6	T8	1.10
EWN68-150-CK6	CK6	36	ENH6-1	68-100	70	67.2	80-100	22	45.2	32.5	TCGT110204	M2.5*6	T8	1.74
			ENH6-2	94-126	70	67.2	90-126	22	45.2	32.5	TCGT110204	M2.5*6	T8	1.74
			ENH6-3	118-150	70	67.2	118-150	22	45.2	32.5	TCGT110204	M2.5*6	T8	1.74
EWN100-203-CK6	CK6	36	ENH6-1	100-153	71	67.2	112-153	22	45.2	45.5	TCGT110204	M2.5*6	T8	2.46
			ENH6-2	126-179	71	67.2	126-179	22	45.2	45.5	TCGT110204	M2.5*6	T8	2.46
			ENH6-3	150-203	71	67.2	150-203	22	45.2	45.5	TCGT110204	M2.5*6	T8	2.46

注意：EWN 镗头自身允许最高切削速度 1200m/min，但实际加工时还与刀柄的长度、机器及工件的刚性等周边条件有关。
请在容许范围内选择最合适的加工条件。

刀柄请参阅 P
刀片请参阅 P

EWN-ENH 刀片座 EWN-ENH INSERT HOLDER


ENH(1-6)-1


ENH(1-6)-2


ENH(1-6)-3

备注：

◎刀片座不附带刀片，请另行订购。

规格 / 型号 Model	镗孔范围 Boring Range	适配刀片 Insert	螺丝 Screw	扳手 Wrench	对应镗头 Boring head	规格 / 型号 Model	镗孔范围 Boring Range	适配刀片 Insert	螺丝 Screw	扳手 Wrench	对应镗头 Boring head
ENH1-1	20-26	TPGH0802	M2.2*5	T6	EWN20-36-CK1	ENH4-1	41-54	TCGT110204	M2.5*6	T8	EWN41-74-CK4
ENH1-2	25-31	TPGH0802	M2.2*5	T6	EWN20-36-CK1	ENH4-2	50-63	TCGT110204	M2.5*6	T8	EWN41-74-CK4
ENH1-3	30-36	TPGH0802	M2.2*5	T6	EWN20-36-CK1	ENH4-3	61-74	TCGT110204	M2.5*6	T8	EWN41-74-CK4
ENH2-1	25-33	TPGH0802	M2.2*5	T6	EWN25-47-CK2	ENH5-1	53-70	TCGT110204	M2.5*6	T8	EWN53-95-CK5
ENH2-2	32-40	TPGH0802	M2.2*5	T6	EWN25-47-CK2	ENH5-2	65-82	TCGT110204	M2.5*6	T8	EWN53-95-CK5
ENH2-3	39-47	TPGH0802	M2.2*5	T6	EWN25-47-CK2	ENH5-3	78-95	TCGT110204	M2.5*6	T8	EWN53-95-CK5
ENH3-1	32-42	TPGH0802	M2.2*5	T6	EWN32-60-CK3	ENH6-1	68-100	TCGT110204	M2.5*6	T8	EWN68-150-CK6 EWN100-203-CK6
ENH3-2	41-51	TPGH0802	M2.2*5	T6	EWN32-60-CK3	ENH6-2	94-126	TCGT110204	M2.5*6	T8	
ENH3-3	50-60	TPGH0802	M2.2*5	T6	EWN32-60-CK3	ENH6-3	118-150	TCGT110204	M2.5*6	T8	

镗孔刀具系列 BORING HEAD

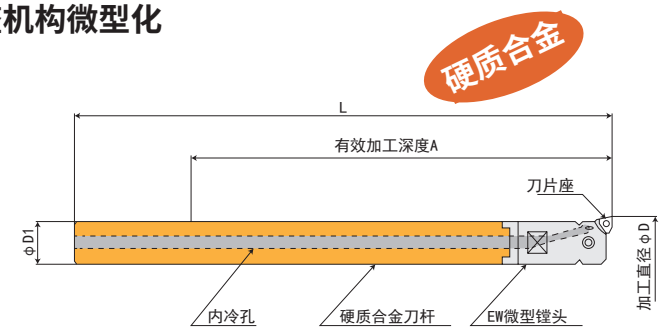
硬质合金刀杆 EW 微型精镗头　加工范围 φ15-φ22

高信赖性、最小刻度 0.01mm/φ 的精密调整机构微型化

◎仅有微量的偏心、对应高速加工

◎一体型硬质合金刀杆、高刚性





型号说明

ST14 W EW 15 110L

- 110L：有效加工深度
- 15：最小加工直径
- EW：精镗头
- W：硬质合金
- ST14：直柄直径

规格 / 型号 Model	φD1	加工直径 φD	L	A	刀片座	适用刀片	适用刀片固定螺丝组合
ST14W-EW15-110L	14	15-18	151	110	EN15	WC02	S2S-B
ST14W-EW15-140L	14	15-18	181	140	EN15	WC02	S2S-B
ST16W-EW18-100L	16	18-22	144	100	EN15	WC02	S2S-B
ST16W-EW18-160L	16	18-22	204	160	EN15	WC02	S2S-B

◎硬质合金刀杆与微型镗头是一体的，不能单独销售。
◎不附带刀片，请另外订购。

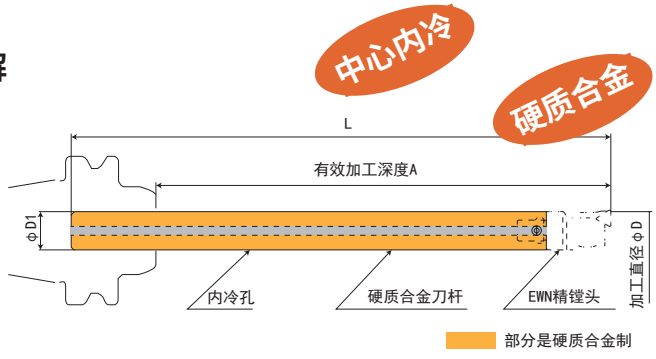
请注意　根据工件材质的不同，加工深度有可能不能达到［有效加工深度］

CK 硬质合金直杆刀柄　加工范围 φ20-φ60

利用硬质合金将不可能变成可能

◎利用硬质合金刀杆，深孔加工的难题迎刃而解





型号说明

ST19 W CK1 130L

- 130L：有效加工深度
- CK1：CK NO.
- W：硬质合金
- ST19：直杆刀柄

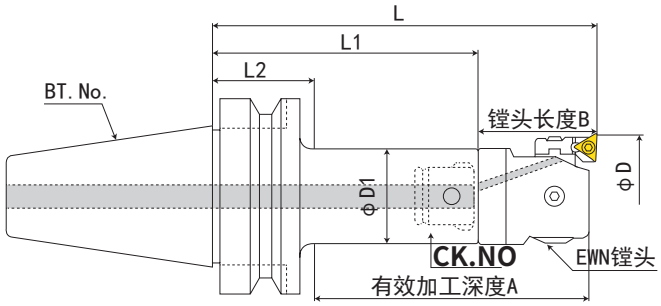
规格 / 型号 Model	φD1	加工范围 φD	L	A	适用精镗头
ST19W-CK1-130L	19	20-36	172.5	130	EWN20-36-CK1
ST19W-CK1-180L	19	20-36	222.5	180	EWN20-36-CK1
ST19W-CK1-230L	19	20-36	272.5	230	EWN20-36-CK1
ST24W-CK2-150L	24	25-47	195.5	150	EWN25-47-CK2
ST24W-CK2-210L	24	25-47	255.5	210	EWN25-47-CK2
ST24W-CK2-280L	24	25-47	325.5	280	EWN25-47-CK2
ST31W-CK3-160L	31	32-60	240	160	EWN32-60-CK3
ST31W-CK3-240L	31	32-60	320	240	EWN32-60-CK3
ST31W-CK3-310L	31	32-60	390	310	EWN32-60-CK3

◎不附带 EWN 精镗头

请注意　根据工件材质的不同，加工深度有可能不能达到［有效加工深度］

BT30/40-EWN 微调精密镗头 BT30/40-EWN SMALL DIAMETER FINE BORING HEAD






P.334


P.370

型号说明

BT30 EWN20 105L

105L：全长 L

EWN20：EWN20-36-CK1 镗头

BT30：BT 刀柄

规格 / 型号 Model	组合内容 Tool Connection		连接接口 CK.NO	全长 L	刀柄长 L1	L2	镗头长度 B	刀柄外径 φD1	镗孔范围 Boring Rangeφ D	有效深度 A	重量 KGS
	CK 刀柄 CK Shank	EWN 镗头 Boring head									
BT30-EWN20-88L	BT30-CK1-55L	EWN20-36CK1	CK1	87.5	55	27	32.5	19	20-36	60.5	0.77
BT30-EWN20-103L	BT30-CK1-70L	EWN20-36CK1	CK1	102.5	70	27	32.5	19	20-36	75.5	0.8
BT30-EWN25-116L	BT30-CK2-80L	EWN25-47CK2	CK2	115.5	80	27	35.5	24	25-47	88.5	0.92
BT30-EWN32-120L	BT30-CK3-80L	EWN32-60CK3	CK3	120	80	27	40	31	32-60	93	1.11
BT30-EWN41-117L	BT30-CK4-70L	EWN41-74CK4	CK4	117	70	27	47	39	41-74	90	1.4
BT30-EWN53-117L	BT30-CK5-60L	EWN53-95CK5	CK5	117	60	27	57	50	53-95	90	2.2
BT30-EWN68-111L	BT30-CK6-60L	EWN68-105CK6	CK6	111	60	27	71	63	68-105	84	2.94
BT40-EWN20-108L	BT40-CK1-75L	EWN20-36CK1	CK1	107.5	75	32	32.5	19	20-36	75.5	1.07
BT40-EWN20-138L	BT40-CK1-105L	EWN20-36CK1	CK1	137.5	105	32	32.5	19	20-36	105.5	1.27
BT40-EWN25-121L	BT40-CK2-85L	EWN25-47CK2	CK2	120.5	85	32	35.5	24	25-47	88.5	1.32
BT40-EWN25-151L	BT40-CK2-115L	EWN25-47CK2	CK2	150.5	115	32	35.5	24	25-47	118.5	1.42
BT40-EWN32-135L	BT40-CK3-95L	EWN32-60CK3	CK3	135	95	32	40	31	32-60	103	1.51
BT40-EWN32-165L	BT40-CK3-125L	EWN32-60CK3	CK3	165	125	32	40	31	32-60	133	1.61
BT40-EWN32-195L	BT40-CK3-155L	EWN32-60CK3	CK3	195	155	32	40	31	32-60	163	1.71
BT40-EWN32-225L	BT40-CK3-185L	EWN32-60CK3	CK3	225	185	32	40	31	32-60	193	1.81
BT40-EWN41-132L	BT40-CK4-85L	EWN41-74CK4	CK4	132	85	32	47	39	41-74	100	1.85
BT40-EWN41-177L	BT40-CK4-130L	EWN41-74CK4	CK4	177	130	32	47	39	41-74	145	1.9
BT40-EWN41-222L	BT40-CK4-175L	EWN41-74CK4	CK4	222	175	32	47	39	41-74	190	2.5
BT40-EWN41-252L	BT40-CK4-205L	EWN41-74CK4	CK4	252	205	32	47	39	41-74	220	2.6
BT40-EWN41-297L	BT40-CK4-250L	EWN41-74CK4	CK4	297	250	32	47	39	41-74	265	2.7
BT40-EWN53-132L	BT40-CK5-75L	EWN53-95CK5	CK5	132	75	32	57	50	53-95	100	2.8
BT40-EWN53-182L	BT40-CK5-125L	EWN53-95CK5	CK5	182	125	32	57	50	53-95	150	3.05
BT40-EWN53-232L	BT40-CK5-175L	EWN53-95CK5	CK5	232	175	32	57	50	53-95	200	4.1
BT40-EWN53-262L	BT40-CK5-205L	EWN53-95CK5	CK5	262	205	32	57	50	53-95	230	4.3
BT40-EWN53-307L	BT40-CK5-250L	EWN53-95CK5	CK5	307	250	32	57	50	53-95	275	4.6
BT40-EWN68-136L	BT40-CK6-65L	EWN68-105CK6	CK6	136	65	32	71	63	68-105	104	3.89
BT40-EWN68-186L	BT40-CK6-115L	EWN68-105CK6	CK6	186	115	32	71	63	68-105	154	5.24
BT40-EWN68-236L	BT40-CK6-165L	EWN68-105CK6	CK6	236	165	32	71	63	68-105	204	5.59
BT40-EWN68-276L	BT40-CK6-205L	EWN68-105CK6	CK6	276	205	32	71	63	68-105	244	5.84

备注：

◎标准配置为 EWN20-ENH1-1 刀片座、ENH1-2 与 ENH1-3 刀片座需另购

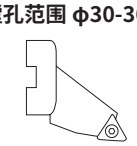
◎订购时请说明使用刀片座型号

◎各种镗头所配置的刀头与扳手键槽是同相位

◎要个别购买的情况下，请写明规格

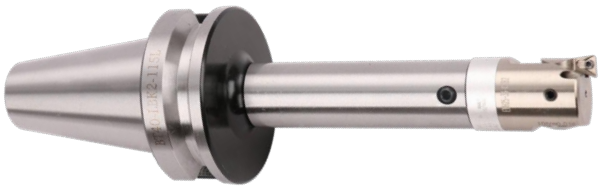
◎出货时会分开包装（CK 刀柄 /EWN 镗头）

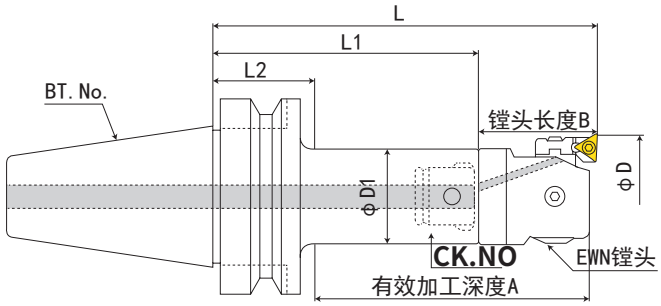
◎刀片座有三种形式可交换使用，增大加工范围。例如：BT30-EWN20-88L 不同刀片座的加工范围，请参照右侧表格

标准型刀片座	另购型刀片座	
ENH1-1	ENH1-2	ENH1-3
镗孔范围 φ20-26 	镗孔范围 φ25-31 	镗孔范围 φ30-36 

镗孔刀具系列 BORING HEAD

BT50-EWN 微调精密镗头 BT50-EWN SMALL DIAMETER FINE BORING HEAD





P.J06 P.J39

型号说明

BT50 EWN20 123L

- 123L：全长 L
- EWN20：EWN20-36-CK1 镗头
- BT50：BT 刀柄

规格 / 型号 Model	组合内容 Tool Connection		连接接口 CK.NO	全长 L	刀柄长 L1	L2	镗头长度 B	刀柄外径 φD1	镗孔范围 Boring RangeφD	有效深度 A	重量 KGS
	CK 刀柄 CK Shank	EWN 镗头 Boring head									
BT50-EWN20-123L	BT50-CK1-90L	EWN20-36CK1	CK1	122.5	90	43	32.5	19	20-36	79.5	3.77
BT50-EWN20-138L	BT50-CK1-115L	EWN20-36CK1	CK1	137.5	115	43	32.5	19	20-36	94.5	3.97
BT50-EWN20-168L	BT50-CK1-145L	EWN20-36CK1	CK1	167.5	145	43	32.5	19	20-36	124.5	4.47
BT50-EWN20-198L	BT50-CK1-175L	EWN20-36CK1	CK1	197.5	175	43	32.5	19	20-36	154.5	4.57
BT50-EWN25-126L	BT50-CK2-90L	EWN25-47CK2	CK2	125.5	90	43	35.5	24	25-47	82.5	3.92
BT50-EWN25-146L	BT50-CK2-110L	EWN25-47CK2	CK2	145.5	110	43	35.5	24	25-47	102.5	4.12
BT50-EWN25-176L	BT50-CK2-140L	EWN25-47CK2	CK2	175.5	140	43	35.5	24	25-47	132.5	5.12
BT50-EWN25-211L	BT50-CK2-175L	EWN25-47CK2	CK2	210.5	175	43	35.5	24	25-47	167.5	5.3
BT50-EWN32-130L	BT50-CK3-90L	EWN32-60CK3	CK3	130	90	43	40	31	32-60	87	4.61
BT50-EWN32-165L	BT50-CK3-125L	EWN32-60CK3	CK3	165	125	43	40	31	32-60	122	4.81
BT50-EWN32-195L	BT50-CK3-155L	EWN32-60CK3	CK3	195	155	43	40	31	32-60	152	5.01
BT50-EWN32-225L	BT50-CK3-185L	EWN32-60CK3	CK3	225	185	43	40	31	32-60	182	5.21
BT50-EWN32-255L	BT50-CK3-215L	EWN32-60CK3	CK3	255	215	43	40	31	32-60	212	5.41
BT50-EWN41-137L	BT50-CK4-90L	EWN41-74CK4	CK4	137	90	43	47	39	41-74	94	5
BT50-EWN41-162L	BT50-CK4-115L	EWN41-74CK4	CK4	162	115	43	47	39	41-74	119	5.2
BT50-EWN41-192L	BT50-CK4-145L	EWN41-74CK4	CK4	192	145	43	47	39	41-74	149	5.4
BT50-EWN41-222L	BT50-CK4-175L	EWN41-74CK4	CK4	222	175	43	47	39	41-74	179	5.6
BT50-EWN41-252L	BT50-CK4-205L	EWN41-74CK4	CK4	252	205	43	47	39	41-74	209	5.8
BT50-EWN41-297L	BT50-CK4-250L	EWN41-74CK4	CK4	297	250	43	47	39	41-74	254	6
BT50-EWN41-347L	BT50-CK4-300L	EWN41-74CK4	CK4	347	300	43	47	39	41-74	304	6.2
BT50-EWN41-397L	BT50-CK4-350L	EWN41-74CK4	CK4	397	350	43	47	39	41-74	354	6.4
BT50-EWN53-147L	BT50-CK5-90L	EWN53-95CK5	CK5	147	90	43	57	50	53-95	104	6.5
BT50-EWN53-162L	BT50-CK5-105L	EWN53-95CK5	CK5	162	105	43	57	50	53-95	119	6.8
BT50-EWN53-207L	BT50-CK5-150L	EWN53-95CK5	CK5	207	150	43	57	50	53-95	164	7.1
BT50-EWN53-237L	BT50-CK5-180L	EWN53-95CK5	CK5	237	180	43	57	50	53-95	194	7.4
BT50-EWN53-297L	BT50-CK5-240L	EWN53-95CK5	CK5	297	240	43	57	50	53-95	254	7.7
BT50-EWN53-327L	BT50-CK5-270L	EWN53-95CK5	CK5	327	270	43	57	50	53-95	284	8
BT50-EWN53-357L	BT50-CK5-300L	EWN53-95CK5	CK5	357	300	43	57	50	53-95	314	8.3
BT50-EWN53-407L	BT50-CK5-350L	EWN53-95CK5	CK5	407	350	43	57	50	53-95	364	8.6
BT50-EWN68-166L	BT50-CK6-95L	EWN68-105CK6	CK6	166	95	43	71	63	68-105	123	7.64
BT50-EWN68-221L	BT50-CK6-150L	EWN68-105CK6	CK6	221	150	43	71	63	68-105	178	8.24
BT50-EWN68-241L	BT50-CK6-170L	EWN68-105CK6	CK6	241	170	43	71	63	68-105	198	8.84
BT50-EWN68-276L	BT50-CK6-205L	EWN68-105CK6	CK6	276	205	43	71	63	68-105	233	9.44
BT50-EWN68-301L	BT50-CK6-230L	EWN68-105CK6	CK6	301	230	43	71	63	68-105	258	10.04
BT50-EWN68-341L	BT50-CK6-270L	EWN68-105CK6	CK6	341	270	43	71	63	68-105	298	10.64
BT50-EWN68-371L	BT50-CK6-300L	EWN68-105CK6	CK6	371	300	43	71	63	68-105	328	11.24
BT50-EWN68-421L	BT50-CK6-350L	EWN68-105CK6	CK6	421	350	43	71	63	68-105	378	11.84
BT50-EWN68-471L	BT50-CK6-400L	EWN68-105CK6	CK6	471	400	43	71	63	68-105	428	12.44
BT50-EWN68-521L	BT50-CK6-450L	EWN68-105CK6	CK6	521	450	43	71	63	68-105	478	13.04

SDJ 微调精镗刀系列 SDJ FINISH BORING HEAD

《镗孔范围 φ20-φ202mm》 《Boring Range from φ20-φ202mm》

SDJ 精镗头特点介绍
SDJBoring Head Feature

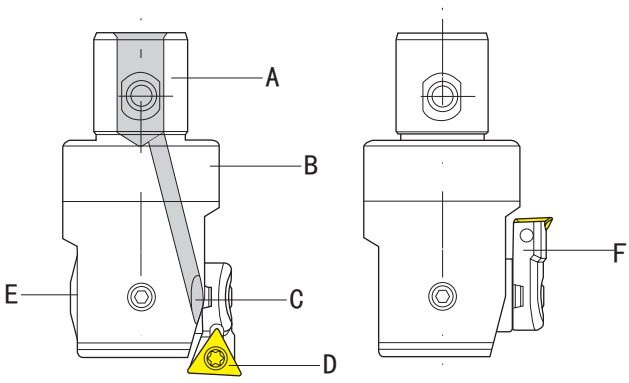
特点：

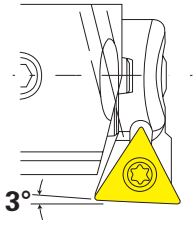
注：

◎ A：搭配 LBK 系列刀柄，也可与 CK 系列刀柄相容
◎ B：采用特殊表面处理，加强防锈效果
◎ C：内藏式出水孔，易於排屑与冷却
◎ D：替换式刀片座设计，可模块化组合使用
◎ E：微调单位：每刻度移动量为 0.01mm
◎ F：替换式刀座反装，可作反镗加工（参考规格表）

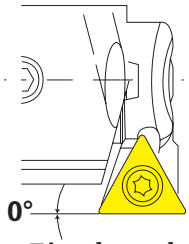
Features:

◎ A:Suitable for combining with LBK series of tool holders as well as CK series of tool holders.
◎ B:With special coating treatment,to strengthen the anti-corrosion effect.
◎ C:Built-in coolant nozzle easy for chip removal and work cooling.
◎ D:The insert seat has an exchangeable design and can be used after combination.
◎ E:Micro-adjustment unitl each unit is 0.01mm.
◎ F:The insert seat has an exchangeable for anti-loaded,and do back boring processing.(Refer to type)





標準刀座：3度

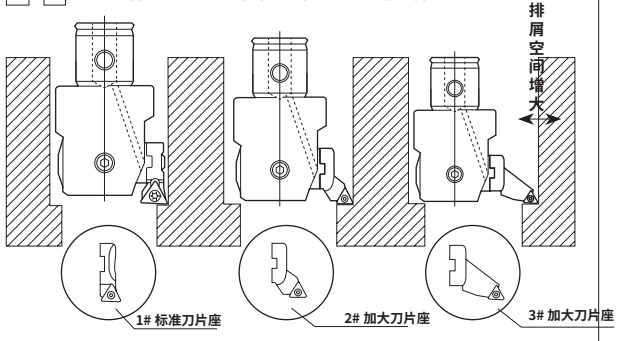


E型刀座：0度

特点 1:

只需交换刀片座

◎增大加工范围 改善切削排出性

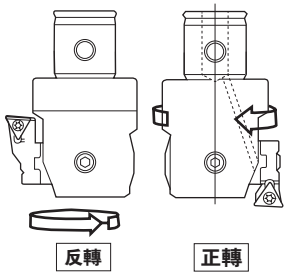


同一镗头可对应 3 种刀片座，加工范围约增大到原来的 3 倍。同时可根据需要灵活组合，增大镗头与孔壁间的空隙，改善切屑的排出性。

特点 2:

满足同轴度的要求

◎标准对应反镗加工



在镗背面的孔时，往往需要将工件反装。这样不仅浪费时间，而且很难保证前后孔的同轴度，EWN 精镗头只需将刀片座反装即可标准对应反镗加工，既能保证精度，又能提高生产效率。

（※ 用 1# 刀片座不能进行反镗加工。）

特点：

注：

◎ ENH 刀片座，可完全包覆住心轴，提升稳固性
◎三种尺寸刀片座，可加大镗孔范围，镗孔范围 φ25-φ203
◎ ENH-2# 及 ENH-3# 刀片座，只能做背镗加工，ENH-1# 刀片座仅 CBA52、CBA68、CBA100 才能做背镗加工
◎标准刀片座为 3 度切让角，另有 E 型刀片座为 0 度切让角，可供客户选择

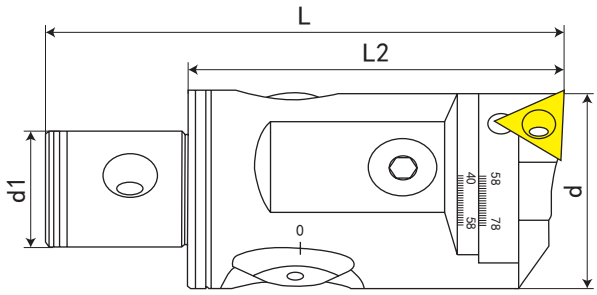
Features:

◎ ENH insert seat can be completely coated to live spindle and enhance stability.
◎ Three type insert seat can increase the range of Boring,boring rangeφ25 toφ203mm.
◎ ENH-2 and ENH-3 insert seat can do back boring processing,ENH-1 insert seat can do back boring processing only CBA52 CBA68 CBA100.
◎ ENH insert seat have 3 degree cut so that angle another the ENH-E type 0 degree cut angle for customers to choose.

镗孔刀具系列 BORING HEAD

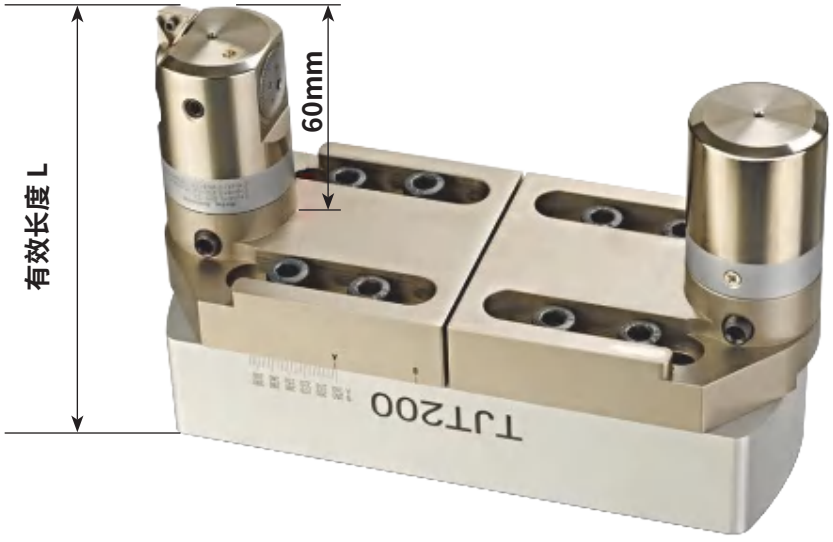
SDJ 微调精镗刀 SDJ FINE TUNING BORING HEAD





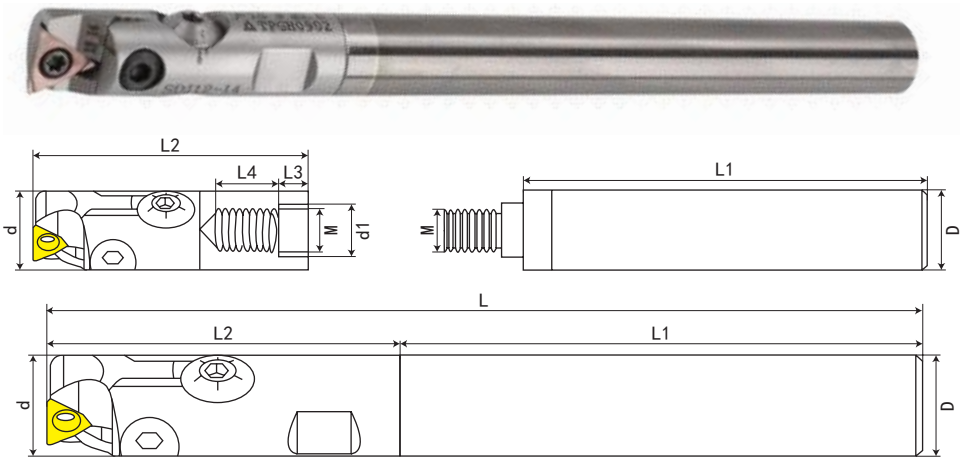
规格 / 型号 Model	连接接口 LBK.NO	接柄直径 d1	镗刀直径 d	镗刀总长 L	有效长度 L2	镗孔范围 Boring RangeφD	适配刀片 Insert
SDJ20	LBK1	11	19	51	38	20-28	专用 TPGE09 通用 TPGH09
SDJ25	LBK2	14	24	58	42	25-47	专用 TPGE09 通用 TPGH09
SDJ32	LBK3	18	31	68	48	32-66	专用 TPGE09 通用 TPGH09
SDJ40	LBK4	22	39	81	57	40-78	专用 TPGE09 通用 TPGH09
SDJ52	LBK5	28	50	99	69	52-108	专用 TPGE09 通用 TPGH09
SDJ68	LBK6	36	63	123	83	68-114	专用 TPGE09 通用 TPGH09
SDJ114	LBK6	36	63	123	83	114-160	专用 TPGE09 通用 TPGH09

TJT200 以上精镗系列 TJT ABOVE200MM FINE BORING SERIES



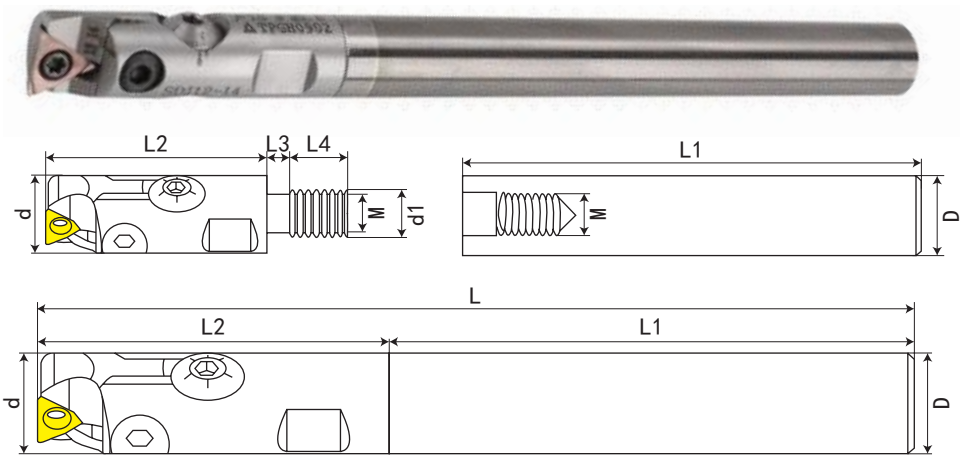
规格 / 型号 Model	适配刀柄	镗孔范围 Boring RangeφD	有效长度 L	镗外圆范围	适配刀片 Insert	搭配扳手	刀把螺丝扳手	重量 KGS
TJT200-310	BST 系列	φ200-φ310	117	φ86-φ216	TC**1102**L	3/4/6	T8	3.1
TJT300-410	BST 系列	φ300-φ410	117	φ186-φ316	TC**1102**L	3/4/6	T8	3.9
TJT400-510	BST 系列	φ400-φ510	121	φ286-φ416	TC**1102**L	3/4/6	T8	5
TJT500-610	BST 系列	φ500-φ610	122	φ386-φ516	TC**1102**L	3/4/6	T8	5.86

SDJ 微调精镗刀杆 SDJ FINE BORING SHANK



规格 / 型号 Model	接柄直径 D	镗刀直径 d	镗头总长 L2	镗刀总长 L	有效长度 L	镗孔范围 Boring RangeφD	适配刀片 Insert
SDJ0809-WT	φ7/ 整体钨钢杆	φ7.3	-	120/98/82	80/58/42	8-9	通用 TBGT06
SDJ0910-WT	φ8/ 整体钨钢杆	φ8.3	-	130/110/95	90/70/55	9-10	通用 TBGT06
SDJ1012-WT	φ9/ 整体钨钢杆	φ9.3	-	137/120/95	100/80/55	10-12	通用 TBGT06
SDJ1214-WE/WH	φ11/ 钨钢杆	φ11	40	160/134/112	120/94/72	12-14	专用 TPGE09 通用 TPGH09
SDJ1417-WE/WH	φ13/ 钨钢杆	φ13	45	180/162/124	140/123/84	14-17	专用 TPGE09 通用 TPGH09
SDJ1621-WE/WH	φ15/ 钨钢杆	φ15	47	192/168/136	150/128/96	16-21	专用 TPGE09 通用 TPGH09

SDJ 微调精镗刀杆 SDJ FINE BORING SHANK

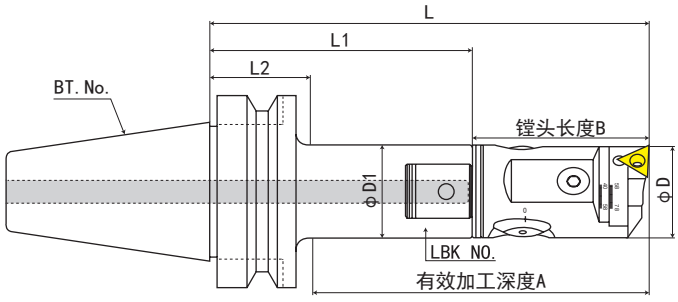


规格 / 型号 Model	接柄直径 D	镗刀直径 d	镗头总长 L2	镗刀总长 L	有效长度 L	镗孔范围 Boring RangeφD	适配刀片 Insert
SDJ0809-WT	φ7/ 整体钨钢杆	φ7.3	-	120/98/82	80/58/42	8-9	通用 TBGT06
SDJ0910-WT	φ8/ 整体钨钢杆	φ8.3	-	130/110/95	90/70/55	9-10	通用 TBGT06
SDJ1012-WT	φ9/ 整体钨钢杆	φ9.3	29	137/120/95	100/80/55	10-12	通用 TBGT06
SDJ1214-WE/WH	φ11/ 钨钢杆	φ11	35	160/134/112	120/94/72	12-14	专用 TPGE09 通用 TPGH09
SDJ1417-WE/WH	φ13/ 钨钢杆	φ13	38	180/162/124	140/123/84	14-17	专用 TPGE09 通用 TPGH09
SDJ1621-WE/WH	φ15/ 钨钢杆	φ15	38	192/168/136	150/128/96	16-21	专用 TPGE09 通用 TPGH09

镗孔刀具系列 BORING HEAD

BT30/40-SDJ 微调精镗刀杆 BT30/40-SDJ FINE BORING SHANK





型号说明

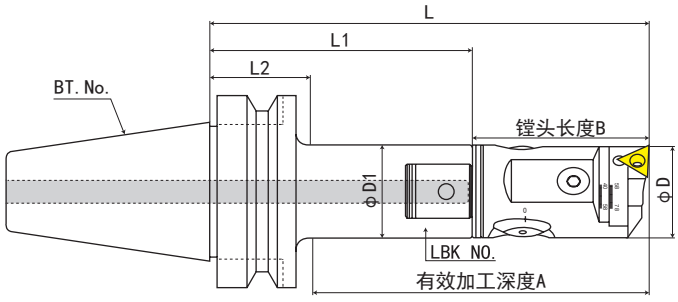
BT30 SDJ20 93L

- 93L：全长 L
- SDJ20：SDJ20 镗头
- BT30：BT 刀柄

规格 / 型号 Model	组合内容 Tool Connection		连接接口 LBK.NO	全长 L	刀柄长 L1	L2	镗头长度 B	刀柄外径 φD1	镗孔范围 Boring RangeφD	有效深度 A	重量 KGS
	LBK 刀柄 LBK Shank	SDL 镗头 Boring head									
BT30-SDJ20-93L	BT30-LBK1-55L	SDJ20	LBK1	93	55	27	38	19	20-28	70	
BT30-SDJ20-108L	BT30-LBK1-70L	SDJ20	LBK1	108	70	27	38	19	20-28	85	
BT30-SDJ25-122L	BT30-LBK2-80L	SDJ25	LBK2	122	80	27	42	24	25-47	99	
BT30-SDJ32-122L	BT30-LBK3-80L	SDJ32	LBK3	122	80	27	48	31	32-66	105	
BT30-SDJ40-127L	BT30-LBK4-70L	SDJ40	LBK4	127	70	27	57	39	40-78	104	
BT30-SDJ52-129L	BT30-LBK5-60L	SDJ52	LBK5	129	60	27	69	50	52-108	106	
BT30-SDJ68-143L	BT30-LBK6-60L	SDJ68	LBK6	143	60	27	83	63	68-114	120	
BT40-SDJ20-110L	BT40-LBK1-75L	SDJ20	LBK1	110	75	32	38	19	20-28	85	
BT40-SDJ20-140L	BT40-LBK1-105L	SDJ20	LBK1	140	105	32	38	19	20-28	115	
BT40-SDJ25-127L	BT40-LBK2-85L	SDJ25	LBK2	127	85	32	42	24	25-47	99	
BT40-SDJ25-157L	BT40-LBK2-115L	SDJ25	LBK2	157	115	32	42	24	25-47	129	
BT40-SDJ32-143L	BT40-LBK3-95L	SDJ32	LBK3	143	95	32	48	31	32-66	115	
BT40-SDJ32-173L	BT40-LBK3-125L	SDJ32	LBK3	173	125	32	48	31	32-66	145	
BT40-SDJ32-203L	BT40-LBK3-155L	SDJ32	LBK3	203	155	32	48	31	32-66	175	
BT40-SDJ32-233L	BT40-LBK3-185L	SDJ32	LBK3	233	185	32	48	31	32-66	205	
BT40-SDJ40-142L	BT40-LBK4-85L	SDJ40	LBK4	142	85	32	57	39	40-78	114	
BT40-SDJ40-187L	BT40-LBK4-130L	SDJ40	LBK4	187	130	32	57	39	40-78	159	
BT40-SDJ40-232L	BT40-LBK4-175L	SDJ40	LBK4	232	175	32	57	39	40-78	204	
BT40-SDJ40-262L	BT40-LBK4-205L	SDJ40	LBK4	262	205	32	57	39	40-78	234	
BT40-SDJ40-307L	BT40-LBK4-250L	SDJ40	LBK4	307	250	32	57	39	40-78	279	
BT40-SDJ52-144L	BT40-LBK5-75L	SDJ52	LBK5	144	75	32	69	50	52-108	116	
BT40-SDJ52-194L	BT40-LBK5-125L	SDJ52	LBK5	194	125	32	69	50	52-108	166	
BT40-SDJ52-244L	BT40-LBK5-175L	SDJ52	LBK5	244	175	32	69	50	52-108	216	
BT40-SDJ52-274L	BT40-LBK5-205L	SDJ52	LBK5	274	205	32	69	50	52-108	246	
BT40-SDJ52-319L	BT40-LBK5-250L	SDJ52	LBK5	319	250	32	69	50	52-108	291	
BT40-SDJ68-148L	BT40-LBK6-65L	SDJ68	LBK6	148	65	32	83	63	68-114	120	
BT40-SDJ68-198L	BT40-LBK6-115L	SDJ68	LBK6	198	115	32	83	63	68-114	170	
BT40-SDJ68-248L	BT40-LBK6-165L	SDJ68	LBK6	248	165	32	83	63	68-114	220	
BT40-SDJ68-288L	BT40-LBK6-205L	SDJ68	LBK6	288	205	32	83	63	68-114	260	

BT50-SDJ 微调精镗刀杆 BT50-SDJ FINE BORING SHANK





型号说明

BT30 SDJ20 93L

- 93L：全长 L
- SDJ20：SDJ20 镗头
- BT30：BT 刀柄

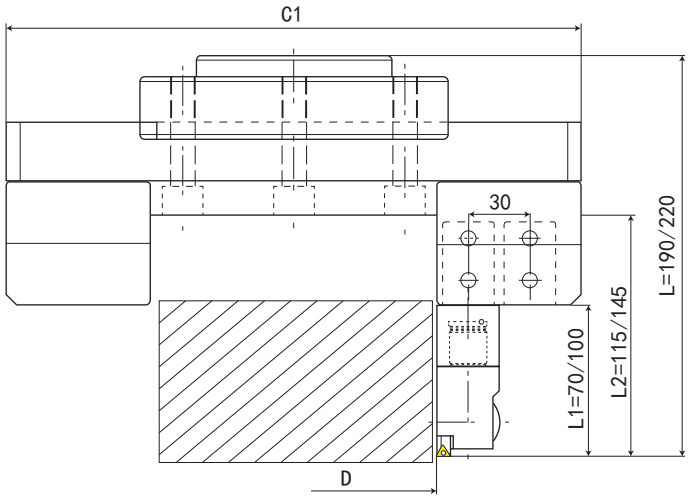
规格 / 型号 Model	组合内容 Tool Connection		连接接口 LBK.NO	全长 L	刀柄长 L1	L2	镗头长度 B	刀柄外径 φD1	镗孔范围 Boring RangeφD	有效深度 A	重量 KGS
	LBK 刀柄 LBK Shank	SDL 镗头 Boring head									
BT50-SDJ20-128L	BT50-LBK1-90L	SDJ20	LBK1	128	90	43	38	19	20-28	90	
BT50-SDJ20-153L	BT50-LBK1-115L	SDJ20	LBK1	153	115	43	38	19	20-28	115	
BT50-SDJ20-183L	BT50-LBK1-145L	SDJ20	LBK1	183	145	43	38	19	20-28	145	
BT50-SDJ20-213L	BT50-LBK1-175L	SDJ20	LBK1	213	175	43	38	19	20-28	175	
BT50-SDJ25-132L	BT50-LBK2-90L	SDJ25	LBK2	132	90	43	42	24	25-47	94	
BT50-SDJ25-152L	BT50-LBK2-110L	SDJ25	LBK2	152	110	43	42	24	25-47	114	
BT50-SDJ25-182L	BT50-LBK2-140L	SDJ25	LBK2	182	140	43	42	24	25-47	144	
BT50-SDJ25-217L	BT50-LBK2-175L	SDJ25	LBK2	217	175	43	42	24	25-47	179	
BT50-SDJ32-138L	BT50-LBK3-90L	SDJ32	LBK3	138	90	43	48	31	32-66	100	
BT50-SDJ32-173L	BT50-LBK3-125L	SDJ32	LBK3	173	125	43	48	31	32-66	135	
BT50-SDJ32-203L	BT50-LBK3-155L	SDJ32	LBK3	203	155	43	48	31	32-66	165	
BT50-SDJ32-233L	BT50-LBK3-185L	SDJ32	LBK3	233	185	43	48	31	32-66	195	
BT50-SDJ32-263L	BT50-LBK3-215L	SDJ32	LBK3	263	215	43	48	31	32-66	225	
BT50-SDJ40-147L	BT50-LBK4-90L	SDJ40	LBK4	147	90	43	57	39	40-78	109	
BT50-SDJ40-172L	BT50-LBK4-115L	SDJ40	LBK4	172	115	43	57	39	40-78	134	
BT50-SDJ40-202L	BT50-LBK4-145L	SDJ40	LBK4	202	145	43	57	39	40-78	164	
BT50-SDJ40-232L	BT50-LBK4-175L	SDJ40	LBK4	232	175	43	57	39	40-78	194	
BT50-SDJ40-262L	BT50-LBK4-205L	SDJ40	LBK4	262	205	43	57	39	40-78	224	
BT50-SDJ40-307L	BT50-LBK4-250L	SDJ40	LBK4	307	250	43	57	39	40-78	269	
BT50-SDJ40-357L	BT50-LBK4-300L	SDJ40	LBK4	357	300	43	57	39	40-78	319	
BT50-SDJ40-407L	BT50-LBK4-350L	SDJ40	LBK4	407	350	43	57	39	40-78	369	
BT50-SDJ52-159L	BT50-LBK5-90L	SDJ52	LBK5	159	90	43	69	50	52-108	121	
BT50-SDJ52-174L	BT50-LBK5-105L	SDJ52	LBK5	174	105	43	69	50	52-108	136	
BT50-SDJ52-219L	BT50-LBK5-150L	SDJ52	LBK5	219	150	43	69	50	52-108	181	
BT50-SDJ52-249L	BT50-LBK5-180L	SDJ52	LBK5	249	180	43	69	50	52-108	211	
BT50-SDJ52-309L	BT50-LBK5-240L	SDJ52	LBK5	309	240	43	69	50	52-108	271	
BT50-SDJ52-339L	BT50-LBK5-270L	SDJ52	LBK5	339	270	43	69	50	52-108	301	
BT50-SDJ52-369L	BT50-LBK5-300L	SDJ52	LBK5	369	300	43	69	50	52-108	331	
BT50-SDJ52-419L	BT50-LBK5-350L	SDJ52	LBK5	419	350	43	69	50	52-108	381	
BT50-SDJ68-178L	BT50-LBK6-95L	SDJ68	LBK6	178	95	43	83	63	68-114	140	
BT50-SDJ68-233L	BT50-LBK6-150L	SDJ68	LBK6	233	150	43	83	63	68-114	195	
BT50-SDJ68-253L	BT50-LBK6-170L	SDJ68	LBK6	253	170	43	83	63	68-114	215	
BT50-SDJ68-288L	BT50-LBK6-205L	SDJ68	LBK6	288	205	43	83	63	68-114	250	
BT50-SDJ68-313L	BT50-LBK6-230L	SDJ68	LBK6	313	230	43	83	63	68-114	275	
BT50-SDJ68-353L	BT50-LBK6-270L	SDJ68	LBK6	353	270	43	83	63	68-114	315	
BT50-SDJ68-383L	BT50-LBK6-300L	SDJ68	LBK6	383	300	43	83	63	68-114	345	
BT50-SDJ68-423L	BT50-LBK6-350L	SDJ68	LBK6	433	350	43	83	63	68-114	395	
BT50-SDJ68-483L	BT50-LBK6-400L	SDJ68	LBK6	483	400	43	83	63	68-114	445	
BT50-SDJ68-533L	BT50-LBK6-450L	SDJ68	LBK6	533	450	43	83	63	68-114	495	

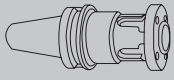
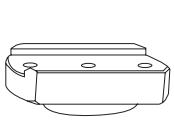
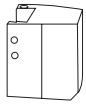
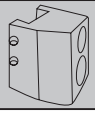
镗孔刀具系列 BORING HEAD

φ200 以上 CBR 组合式外圆微调精镗刀系列 《外圆镗孔范围 φ10-φ850mm》

CBR MODULAR EXTERNAL FINISH BORING HEAD 《Boring Range from φ10-φ850mm》

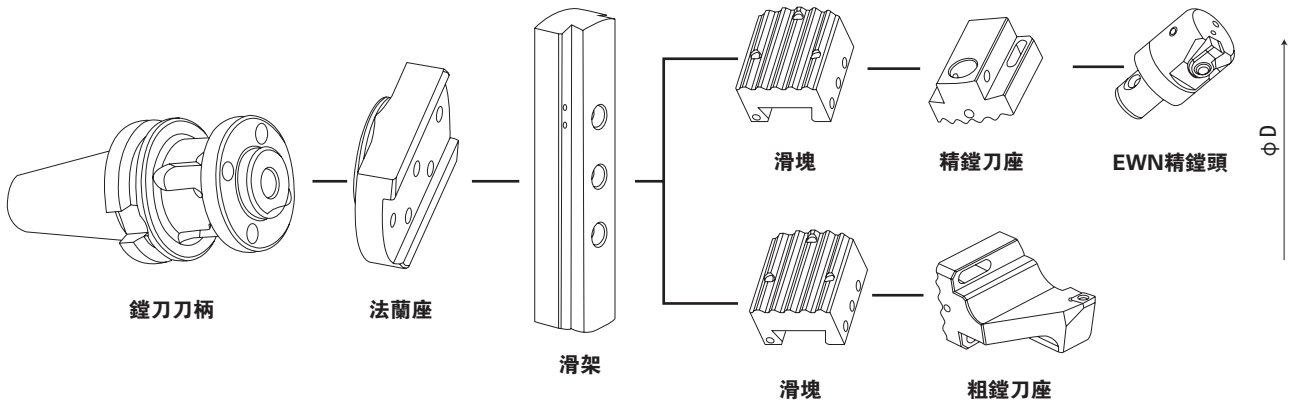


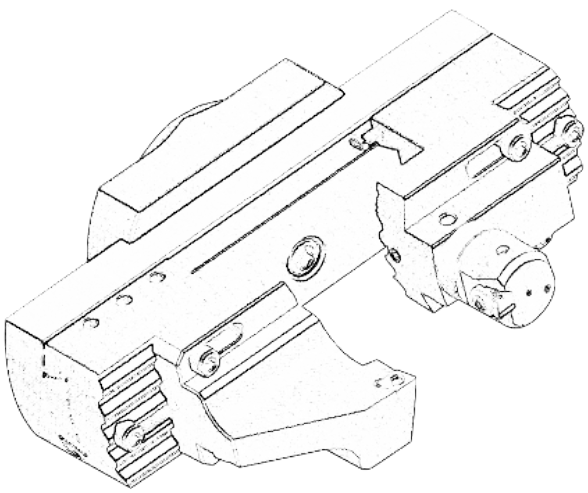


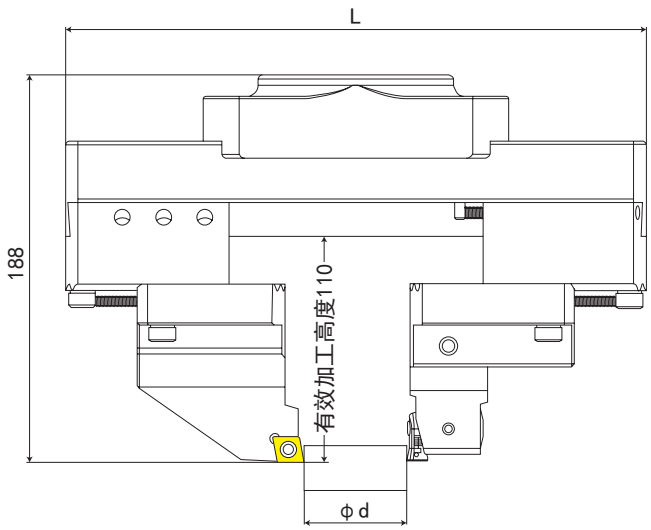
镗头型号 Boring Head Type	型号 Tape		CBR200	CBR300	CBR400	CBR500	CBR600	CBR900
	镗头长度 L2(mm)		190/220					
	有效长 Z(mm)		115/145					
	整组重量 (kg) Total Weight(kg)	合金钢 Alloy Steel	9.5	11.5	13.5	15.5	33	47
		铝合金 Aluminum Alloy	7	8	8.8	9.6	16	22.3
	加工直径 φD(mm) Boring Diameter		10-150	10-250	10-350	10-450	10-550	10-850
组合形式 Module	接合刀杆 Taper Shank		BT50-BST-100L				BT50-FMA-47.625	
	连接盘 Flange		BR200				BR600	BR900
	重量 (KG) Weight	合金钢 Alloy Steel	合金钢 Alloy Steel 2.7kg				19	29
		铝合金 Aluminum Alloy					8.8	13.5
	横向滑板 Extension Slide		RST200	RST300	RST400	RST500	RST300*2 只 (pieces)	RST400*2 只 (pieces)
	重量 (KG) Weight	合金钢 Alloy Steel	3.4	5.4	7.4	9.4	10.8	14.8
		合金钢 Alloy Steel	1.1	1.9	2.7	3.5	3.8	5.4
	平衡滑块 Balance Weight		RBN200					
	重量 (KG) Weight		1.6kg					
	外圆滑块 Clamp BASE		HBR200					
	重量 (KG) Weight		1.3kg					
	外圆用接杆 Adapter External Boring		C25-LBK3-30			C25-LBK3-60		
	重量 (KG) Weight		0.3			0.5		
	接合刀头 Applicable Boring Heads		CBH32					

粗精复合内孔外圆一体式镗刀

COMPOUNDED BORING TOOL FOR BOTH ROUGH AND FINE BORING, EXTERNAL AND INTERNAL DIAMETER MACHINING







加工直径 ϕd Processing diameter	法兰座 Flange seat	滑架 Slide block		滑块 Slider	精镗刀座 Fine boring holder	粗镗刀座 Rough boring holder	ENW 精镗头 ENW fine boring head
		型号（质量）	L				
50-150	(2.75kg)	RST300(5.6kg)	300	1.3kg	1.1kg	1.6kg	ENW41-74LBK4(0.4kg)
150-250	(2.75kg)	RST400(7.7kg)	400	1.3kg	1.1kg	1.6kg	刀片座 ENH4-1
250-350	(2.75kg)	RST500(9.8kg)	500	1.3kg	1.1kg	1.6kg	对应刀片 TC11 TP11

特点：

注：

◎适合内孔外圆粗精一体加工

◎一个镗刀即可加工内孔也可加工外圆

◎更经济实惠，效率更高

Features:

◎ Compounded boring tool for both rough and fine boring, external and inter machining

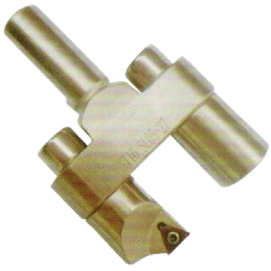
◎ Suitable for intermal and external diameter machining

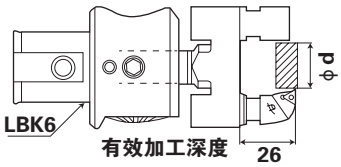
◎ One boring tool can machining external and internal diameter more economic and high efficiency.

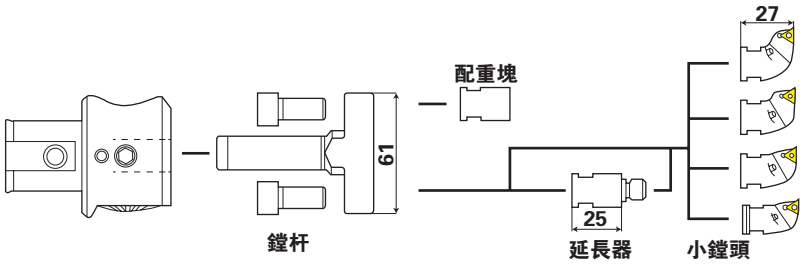
镗孔刀具系列 BORING HEAD

外径镗系列 - S 型 OUTSIDE DIAMETER BORING SERIES-S TYPE

《加工范围 φ0.5-φ27》 《Processing range: φ0.5-φ27》







加工直径 φd Processing diameter	EW 镗头 EW boring head	镗杆 Boring bar	配重块 Clump weight	延长器 Extender	小镗头 Small boring head	对应刀片 Blade
0.5-9	WBH2-50LBK6 (1.05kg)	ST16-SL27-55 (0.20kg)	BW-M10(0.02kg)	M1010-25 (0.02kg)	BE36A	TPGH0802
9-17					BE28A	
17-23					BE22A	
23-27					BE18A	

特点:

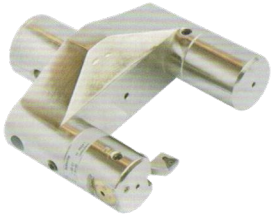
注:
◎最大、最小加工直径是在使用刀尖半径 R0.2 的刀片时的值。
◎不附带刀片，请另外订购
◎加工时，主轴应反转
◎请注意偏心变化时干涉范围也会发生变化
◎用于加工中心、镗铣床上的外径加工
◎和原来的轮廓加工方法相比，提高了圆度、表面粗糙度、尺寸精度以及加工效率。

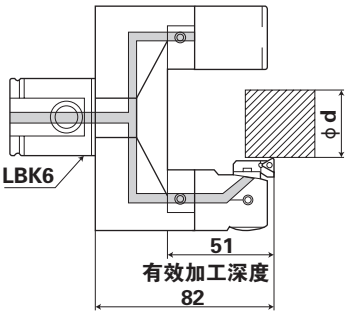
Features:

◎ The maximum,minimum diameter of processing is the use of tool nose radius R0.2 insert value.
◎ Without blade,please order.
◎ The processing,the spindle should be reversed.
◎ Please note the eccentric changes when the interference range will also change.
◎ For outside diameter machining center,milling and boring machine.
◎ Compared with the original method to improve the contour machining,roundness,surface roughness,dimensional accuracy and machining efficiency.

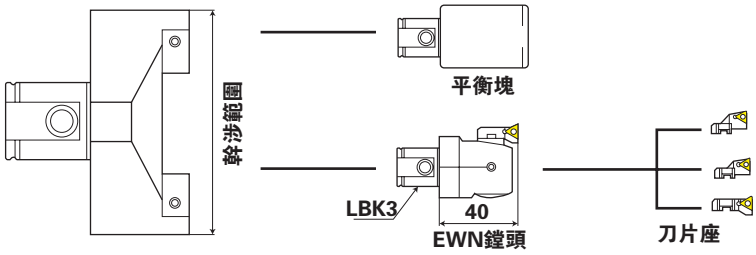
外径镗系列 - M 型 OUTSIDE DIAMETER BORING SERIES-M TYPE

《加工范围 φ25-φ102》 《Processing range: φ25-102》





EWN 镗头反向装可以进行镗孔加工
加工范围：φd117-φd194
请注意镗孔加工时主轴正反



加工直径 φd Processing diameter	基础架 foundation frame	ENW 镗头 ENW boring head	平衡块 Equalizers	刀片座 Blade bearing	对应刀片 Blade
21-34	LBK6-SL2552-42 (1.4kg) 干涉范围 φ117	ENW32-60LBK3 (0.21kg)	BW-LBK3-WBH (0.2kg)	ENH3-3	TPGH0802
34-43				ENH3-2	TPGH0802
43-52				ENH3-1	TPGH0802
50-59	LBK6-SL5077-42 (1.61kg) 干涉范围 φ142			ENH3-3	TPGH0802
59-68				ENH3-2	TPGH0802
68-77				ENH3-1	TPGH0802
75-84	LBK6-SL75102-42 (1.61kg) 干涉范围 φ167			ENH3-3	TPGH0802
84-93				ENH3-2	TPGH0802
93-102				ENH3-1	TPGH0802

特点:

注:
◎最大、最小加工直径是在使用刀尖半径 R0.2 的刀片时的值
◎不包括镗头、平衡块、刀片座及刀片
◎主轴反转
◎用于加工中心、镗铣床上的外径加工
◎和原来的轮廓加工方法相比，提高了圆度、表面粗糙度、尺寸精度以及加工效率

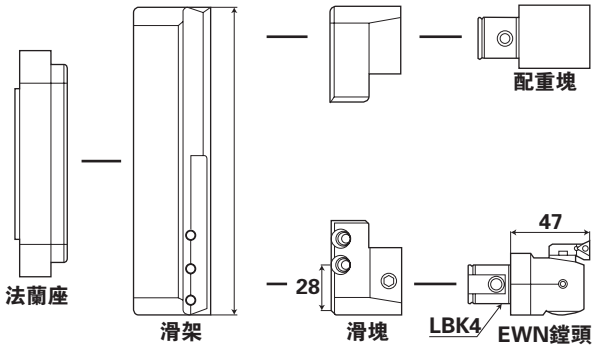
Features:

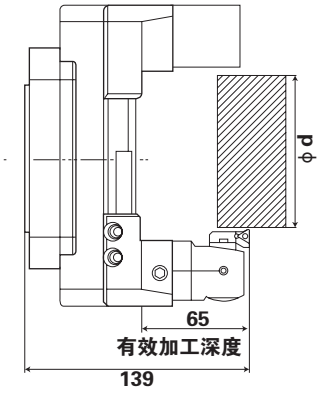
◎ The maximum,minimum diameter of processing is the use of tool nose radius R 0.2 insert value.
◎ Not including the gun head,a balance block,the blade base and the blade.
◎ Spindle turn.
◎ For outside diameter machining center,milling and boring machine.
◎ Compared with the original method to improve the contour machining,roundness,surface roughness,dimensional accuracy and machining efficiency.

外径镗系列 -L 型 OUTSIDE DIAMETER BORING SERIES-L TYPE

《加工范围 φ21-φ622》 《Processing range: φ21-φ622》







加工直径 φd Processing diameter	法兰座 Flange seat	滑架 Slide block 型号（质量）	L	滑块 Slider	ENW 精镗头 ENW fine boring head	配重块 Clump weight
21-54	FI135 FL135/90 (2.75kg)	SL150-200(2.5kg)	135	CB56-LBK4-19 (0.56kg)	ENW41-74-LBK4 (0.4kg) 刀片座 ENH4-1 对应刀片 TCGT110204 TPGH110304	BW-LBK4-WBH (0.4kg)
21-102		SL200-270(3.5kg)	183			
91-172		SL270-340(4.9kg)	253			
161-242		SL340-410(6.3kg)	323			
231-312		SL410-480(7.7kg)	393			
301-382		SL480-550(9.1kg)	463			
371-452	FL220 FL220/90 (4.0kg)	SL550-620(10.6kg)	533			
441-522		SL620-690(12.0kg)	603			
511-592		SL690-760(13.5kg)	673			
581-622		SL760-830(14.9kg)	743			

特点：

注：

◎最大、最小加工直径是在使用刀尖半径 R0.4 的刀片时的值。

◎ EWN 镗头上附带 1 只刀片座 (ENH4-1), 但不附带刀片，请另外订购

◎加工时，主轴应反转

◎使用 FL135.FL200 时刀尖方向与传动键方向同相位，使用 FL135/90.FL200/90 时刀尖方向与传动键方向垂直

◎用于加工中心、镗铣床上的外径加工

◎和原来的轮廓加工方法相比，提高了圆度、表面粗糙度、尺寸精度以及加工效率。

Features:

◎ The maximum,minimum diameter of processing is the use of tool nose radius R0.4 insert value

◎ WBH boring head with 1 blade holder(ENH4-1),but not with the blade,please order.

◎ The processing,the spindle should be reversed.

◎ The use of FL135.FL200 nose direction and drive health direction and phase,when using the FL135/90.FL200/90 tip direction and
perpendicular to the direction of transmission key.

◎ For outside diameter machining center,milling and boring machine.

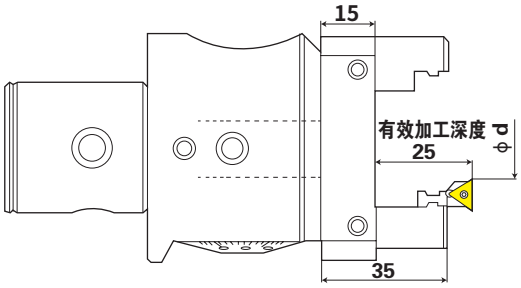
◎ Compared with the original method to improve the contour machining,roundness,surface roughness,dimensional accuracy and machining efficiency.

镗孔刀具系列 BORING HEAD

外径镗系列 -SII型 OUTSIDE DIAMETER BORING SERIES-S II TYPE

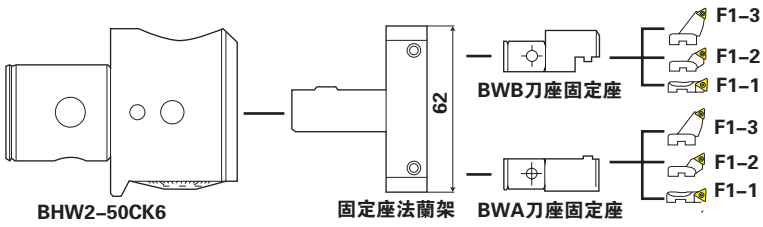
《加工范围 φ2.5-φ32》 《Processing range: φ2.5-φ32》





特点:

注:
◎最小镗外径 φ2.5mm 到最大镗外径 φ32mm，且镗外径可取得最佳真圆度比程序来得更精准
◎使用 ENH 刀片座固定座时，BWB 固定座即为平衡块，相反时 BWA 亦为平衡块



组合型号 Model	加工径 φd	BHW 精镗头	固定座 法兰架	刀片 固定座	刀片座	刀片 Insert
BHW2-50-CK6-S	2.5-12.5	BHW2-50-CK6	BW	BWA	F1-3	3° TPGH0802
	7.5-17.5			BWA	F1-2	
	12.5-22.5			BWA	F1-1	
	12.5-22.5			BWB	F1-3	
	17.5-27.5			BWB	F1-2	
	22.5-32.5			BWB	F1-1	

◎捨弃式刀片非附属品，必须另外购买
◎ BWA 和 BWB 共附有刀片座 F1-1、F1-2、F1-3 各 1 个

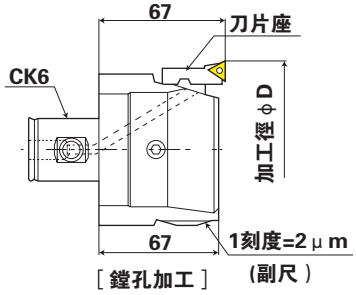
EWB 铝合金制精镗头 EWB BIG DIAMETER FINE BORING HEAD

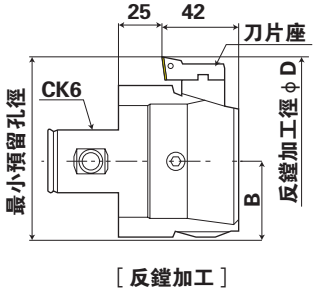
加工范围： φ100-φ203

中心给水 重量：600g/800g 最大切削速度 2,000mm/min 心给水

特点:

注:
◎高张力铝合金再加上硬化镀层制成轻量型精镗头。
◎因 ATC 自动换刀有重量限制，最适合小型切削中心机使用。





型号说明

EWB 100-153 CK6 AL
- AL: 铝合金材质
- CK6: CK NO.
- 100-153: 加工范围
- EWB: 精镗头

最小预留孔径 =B+(反镗加工径 /2)

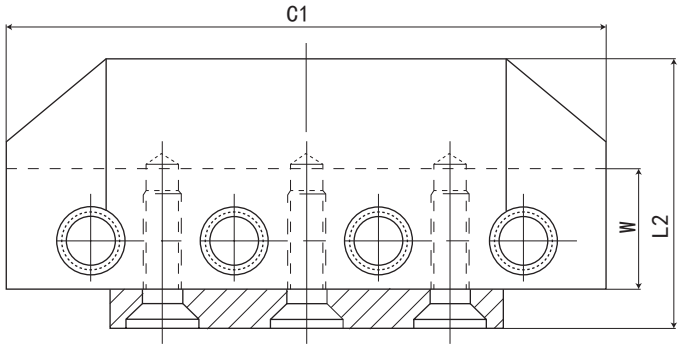
组合型号 Model	CK NO.	镗孔加工	反镗加工		重量 KGS	刀片座标准附属品	刀片
		加工径 φD	加工径 φD	B			
EWB100-153-CK6-AL	CK6	100-153	112-153	45.5	0.6kg	ENH6-1	TCGT110204
EWB150-203-CK6-AL	CK6	150-203	150-203	63.5	0.8kg	ENH6-1	TCGT110204

◎加工径的数据，是使用 TCGT110204 R0.4 的刀片所生产的
◎捨弃式刀片非附属口，必须另外购买
◎ EWB 精镗头内含刀片座 ENH4-1×1 个

请注意 EWB 精镗头本身容许的最大切削速度是 2，000m/min，但是因为 CK 柄径之长短与使用机械的刚性等因素考虑，试加工时请由低速开始，依实际状况慢慢提升，找出最合适的加工条件。

WBST 四方柄径镗孔刀架 WBST TOOL REST





规格 / 型号 Model	φD 镗孔范围 Boring Range		组合刀柄 BST No.	L2	C1	W	重量 KGS
	Min.	Max.					
A-WBST150	150	250	BST	55	125	25	2.50
S-WBST150	150	250	BST	55	125	25	1.03
A-WBST200	200	300	BST	55	175	25	3.60
S-WBST200	200	300	BST	55	175	25	1.50
A-WBST300	300	400	BST	55	275	25	6.00
S-WBST300	300	400	BST	55	275	25	2.34
A-WBST400	400	500	BST	55	375	25	8.30
S-WBST400	400	500	BST	55	375	25	3.17

特点：

注：
规格 A- 材质为铝合金，规格 S- 材质为合金钢

Features:

◎ Type A-made of aluminum alloy,type S-alloy steel.

WBST 刀盘专用四方柄镗刀 WBST SQUARE SHANK BORING TOOL HOLDER FOR WBST TOOL REST



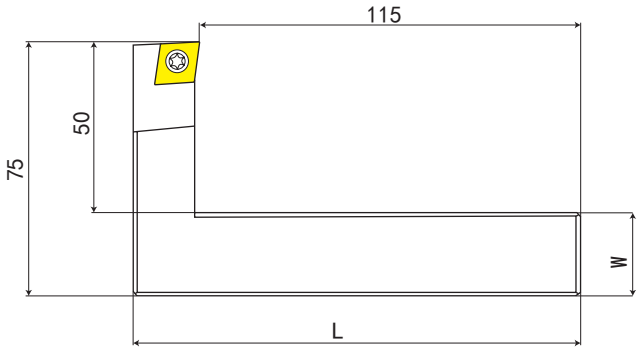


规格 / 型号 Model	W	L	使用刀片 Insert	螺丝 Screw	扳手 Wrench	扭力值 (N.m)Torque	重量 KGS
BSB25-T16-135L	25	135	TCMT16..	M4-10-5.0-43	T15	3.0	0.67
BSB25-T22-135L	25	135	TCMT22..	M5-11-7.0-55	T20	5.0	0.67
BSB25-C12-135L	25	135	CCMT12..	M5-11-7.0-55	T20	5.0	0.67
BSB25-S12-135L	25	135	SCMT12..	M5-11-7.0-55	T20	5.0	0.67

WBST 刀盘专用四方柄外圆镗刀

WBST SQUARE SHANK EXTERNAL BORING TOOL HOLDER FOR WBST TOOL REST



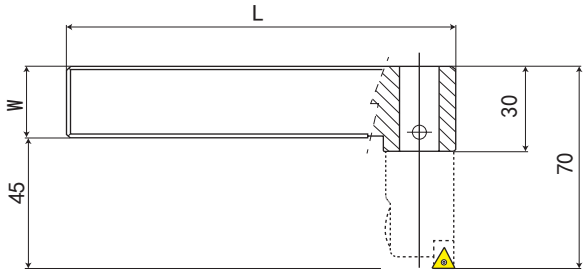


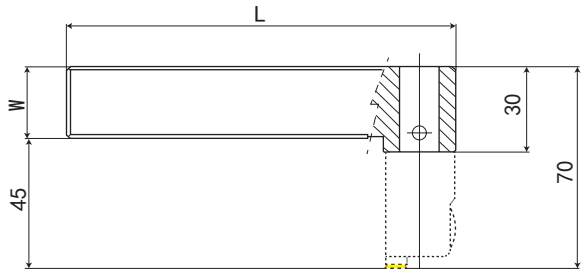
规格 / 型号 Model	W	L	有效加工深度 A	使用刀片 Insert	螺丝 Screw	扳手 Wrench	扭力值 (N.m)Torque	重量 KGS
EBSB25-T16-135-50	25	135	40	TCMT16T304	M4-10-5.0-43	T15	3.0	0.80
EBSB25-C12-135-50	25	135	40	CCMT120404	M5-11-7.0-55	T20	5.0	0.80

WBST 刀盘专用四方柄内外圆精镗孔刀架

INTERNAL & EXTERNAL SQUARE SHANK FINISH BORING TOOL HOLDER FOR WBST TOOL REST







规格 / 型号 Model	W	L	有效加工深度 A	镗头 Boring head	使用刀片 Insert	螺丝 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 KGS
BSB19-CK2-135L	19	135	36	EWN25	TPGH080204	M2-5.0-3.1-60	T6	0.6	0.43
BSB19-CK2-180L	19	180	36	EWN25	TPGH080204	M2-5.0-3.1-60	T6	0.6	0.63
BSB25-CK2-135L	25	135	36	EWN25	TPGH080204	M2-5.0-3.1-60	T6	0.6	0.63
BSB25-CK2-180L	25	180	36	EWN25	TPGH080204	M2-5.0-3.1-60	T6	0.6	1
BSB32-CK3-150L	32	150	36	EWN32	TPGH080204	M2-5.0-3.1-60	T6	0.6	1.2
BSB32-CK3-200L	32	200	36	EWN32	TPGH080204	M2-5.0-3.1-60	T6	0.6	1.4
BSB32-CK3-250L	32	250	36	EWN32	TPGH080204	M2-5.0-3.1-60	T6	0.6	1.6
BSB32-CK3-300L	32	300	36	EWN32	TPGH080204	M2-5.0-3.1-60	T6	0.6	1.8

特点:

注:
◎此规格不含镗刀头，此刀架也可以与 BSB 刀柄配合使用，方便快捷，经济实用，BSB 刀柄请参阅 P 页

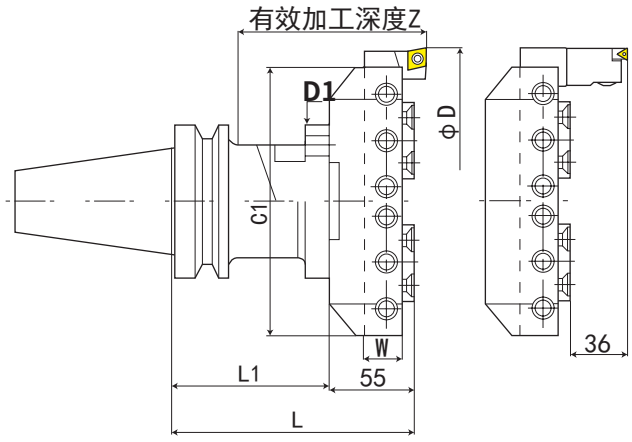
Features:

◎ Boring head is not included.

WBST 四方柄大径镗刀 +BST 刀柄

SQUARE SHANK LARGE HOLE BORING HEAD FITTED WITH WBST TOOL REST+BST SHANK





镗孔范围	精 度	刀 杆
φ150-φ510	φ0.01mm	BST
Boring Range	Diameter Accuracy	BST NO.

WBST 四方柄镗孔刀架 +BST 刀柄 +BSB25 四方柄镗刀

规格 / 型号 Model	φD 镗孔范围 Boring Range		有效加工深度 Z	组合内容 Tool Connection		组合刀柄 BST No.	L	L1	D1	重量 KGS
	Min.	Max.		BST 刀杆 BST Shank	WBST 刀杆 WBST Tool Rest					
BT40-WBST150-125L	150	260	90	BT40-BST-70L	WBST150	BST	150	70	95	5.70
BT40-WBST200-125L	200	310	90	BT40-BST-70L	WBST200	BST	150	70	95	6.80
BT50-WBST150-155L	150	260	110	BT50-BST-100L	WBST150	BST	155	100	95	7.60
BT50-WBST150-205L	150	260	160	BT50-BST-150L	WBST150	BST	205	150	95	9.30
BT50-WBST150-255L	150	260	210	BT50-BST-200L	WBST150	BST	255	200	95	12.1
BT50-WBST150-305L	150	260	260	BT50-BST-250L	WBST150	BST	305	250	95	14
BT50-WBST150-355L	150	260	310	BT50-BST-300L	WBST150	BST	355	300	95	16
BT50-WBST150-405L	150	260	360	BT50-BST-350L	WBST150	BST	405	350	95	18.6
BT50-WBST150-455L	150	260	410	BT50-BST-400L	WBST150	BST	455	400	95	21.8
BT50-WBST200-155L	200	310	110	BT50-BST-100L	WBST200	BST	155	100	95	8.70
BT50-WBST200-205L	200	310	160	BT50-BST-150L	WBST200	BST	205	150	95	10.4
BT50-WBST200-255L	200	310	210	BT50-BST-200L	WBST200	BST	255	200	95	13.2
BT50-WBST200-305L	200	310	260	BT50-BST-250L	WBST200	BST	305	250	95	15.1
BT50-WBST200-355L	200	310	310	BT50-BST-300L	WBST200	BST	355	300	95	17.1
BT50-WBST200-405L	200	310	360	BT50-BST-350L	WBST200	BST	405	350	95	19.7
BT50-WBST200-455L	200	310	410	BT50-BST-400L	WBST200	BST	455	400	95	22.9
BT50-WBST300-155L	300	410	110	BT50-BST-100L	WBST300	BST	155	100	95	11.1
BT50-WBST300-205L	300	410	160	BT50-BST-150L	WBST300	BST	205	150	95	12.8
BT50-WBST300-255L	300	410	210	BT50-BST-200L	WBST300	BST	255	200	95	15.6
BT50-WBST300-305L	300	410	260	BT50-BST-250L	WBST300	BST	305	250	95	17.5
BT50-WBST300-355L	300	410	310	BT50-BST-300L	WBST300	BST	355	300	95	19.5
BT50-WBST300-405L	300	410	360	BT50-BST-350L	WBST300	BST	405	350	95	22.1
BT50-WBST300-455L	300	410	410	BT50-BST-400L	WBST300	BST	455	400	95	25.3
BT50-WBST400-155L	400	510	110	BT50-BST-100L	WBST400	BST	155	100	95	13.4
BT50-WBST400-205L	400	510	160	BT50-BST-150L	WBST400	BST	205	150	95	15.1
BT50-WBST400-255L	400	510	210	BT50-BST-200L	WBST400	BST	255	200	95	17.9
BT50-WBST400-305L	400	510	260	BT50-BST-250L	WBST400	BST	305	250	95	19.8
BT50-WBST400-355L	400	510	310	BT50-BST-300L	WBST400	BST	355	300	95	21.8
BT50-WBST400-405L	400	510	360	BT50-BST-350L	WBST400	BST	405	350	95	24.4
BT50-WBST400-455L	400	510	410	BT50-BST-400L	WBST400	BST	455	400	95	27.6

特点：

注：

◎此规格不含 BSB25 四方柄镗刀

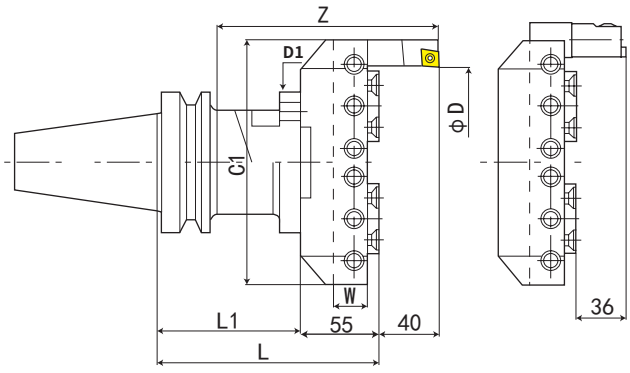
Features:

◎ Option of BSB25 Shank Boring Tool Holder.

WBST 四方柄大径镗刀 +BST 刀杆外圆加工用

SQUARE SHANK LARGE HOLE BORING HEAD FITTED WITH WBST TOOL REST+BST SHANK FOR EXTERNAL BORING





镗孔范围	精 度	刀 杆
φ80-φ450	φ0.01mm	BST
Boring Range	Diameter Accuracy	BST NO.

WBST 四方柄镗孔刀架 +BST 刀柄 +BSB25 四方柄外圆镗刀

规格 / 型号 Model	φD 镗孔范围 Boring Range		Z	加工深度 A	组合内容 Tool Connection		组合刀柄 BST No.	L	L1	D1	重量 KGS
	Min.	Max.			BST 刀杆 BST Shank	WBST 刀杆 WBST Tool Rest					
BT40-WBST150-125	80	200	90	36	BT40-BST-70L	WBST150	BST	150	70	95	5.70
BT40-WBST200-125	130	250	90	36	BT40-BST-70L	WBST200	BST	150	70	95	6.80
BT50-WBST150-155	80	200	110	36	BT50-BST-100L	WBST150	BST	155	100	95	7.60
BT50-WBST150-205	80	200	160	36	BT50-BST-150L	WBST150	BST	205	150	95	9.30
BT50-WBST150-255	80	200	210	36	BT50-BST-200L	WBST150	BST	255	200	95	12.1
BT50-WBST150-305	80	200	260	36	BT50-BST-250L	WBST150	BST	305	250	95	14
BT50-WBST150-355	80	200	310	36	BT50-BST-300L	WBST150	BST	355	300	95	16
BT50-WBST150-405	80	200	360	36	BT50-BST-350L	WBST150	BST	405	350	95	18.6
BT50-WBST150-455	80	200	410	36	BT50-BST-400L	WBST150	BST	455	400	95	21.8
BT50-WBST200-155	130	250	110	36	BT50-BST-100L	WBST200	BST	155	100	95	8.70
BT50-WBST200-205	130	250	160	36	BT50-BST-150L	WBST200	BST	205	150	95	10.4
BT50-WBST200-255	130	250	210	36	BT50-BST-200L	WBST200	BST	255	200	95	13.2
BT50-WBST200-305	130	250	260	36	BT50-BST-250L	WBST200	BST	305	250	95	15.1
BT50-WBST200-355	130	250	310	36	BT50-BST-300L	WBST200	BST	355	300	95	17.1
BT50-WBST200-405	130	250	360	36	BT50-BST-350L	WBST200	BST	405	350	95	19.7
BT50-WBST200-455	130	250	410	36	BT50-BST-400L	WBST200	BST	455	400	95	22.9
BT50-WBST300-155	230	350	110	36	BT50-BST-100L	WBST300	BST	155	100	95	11.1
BT50-WBST300-205	230	350	160	36	BT50-BST-150L	WBST300	BST	205	150	95	12.8
BT50-WBST300-255	230	350	210	36	BT50-BST-200L	WBST300	BST	255	200	95	15.6
BT50-WBST300-305	230	350	260	36	BT50-BST-250L	WBST300	BST	305	250	95	17.5
BT50-WBST300-355	230	350	310	36	BT50-BST-300L	WBST300	BST	355	300	95	19.5
BT50-WBST300-405	230	350	360	36	BT50-BST-350L	WBST300	BST	405	350	95	22.1
BT50-WBST300-455	230	350	410	36	BT50-BST-400L	WBST300	BST	455	400	95	25.3
BT50-WBST400-155	330	450	110	36	BT50-BST-100L	WBST400	BST	155	100	95	13.4
BT50-WBST400-205	330	450	160	36	BT50-BST-150L	WBST400	BST	205	150	95	15.1
BT50-WBST400-255	330	450	210	36	BT50-BST-200L	WBST400	BST	255	200	95	17.9
BT50-WBST400-305	330	450	260	36	BT50-BST-250L	WBST400	BST	305	250	95	19.8
BT50-WBST400-355	330	450	310	36	BT50-BST-300L	WBST400	BST	355	300	95	21.8
BT50-WBST400-405	330	450	360	36	BT50-BST-350L	WBST400	BST	405	350	95	24.4
BT50-WBST400-455	330	450	410	36	BT50-BST-400L	WBST400	BST	455	400	95	27.6

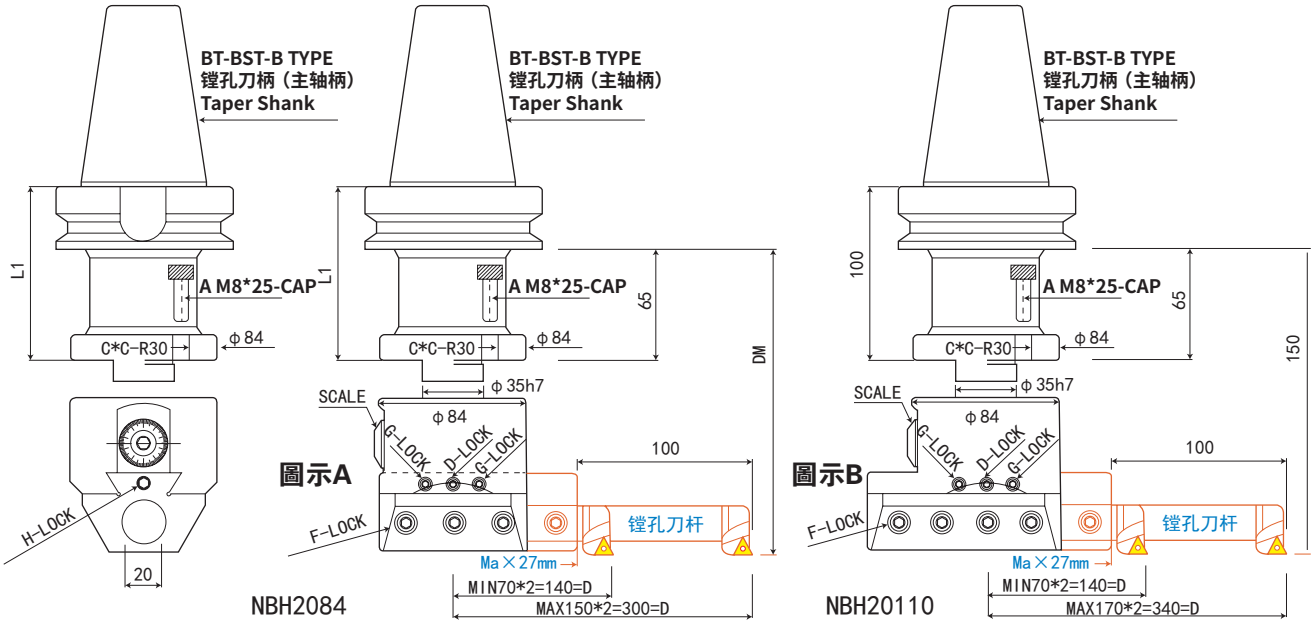
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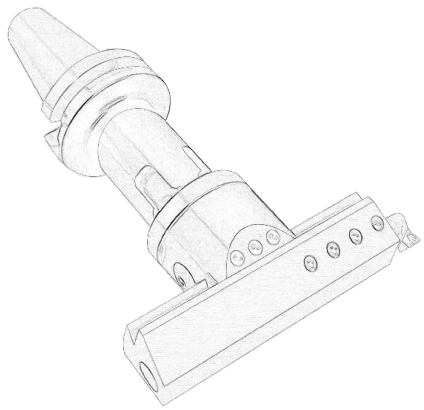
注:
◎此规格不含 BSB25 四方柄镗刀拆掉，有效深可达到 45，最小镗孔范围可达到 φ10

Features:

◎ Option of BSB25 Square Shank External Boring Tool holder.Applicable Boring Depth up 45 mm with Minimum Boring Range down to φ10mm after Taking off the Shield

NBH2084-BST-B 大径微调精镗孔头 Fine-tuning Boring Head





NBH2084B（套装）

规格 / 型号 Model	本体	刀柄	范围	重量 KGS
BT50-NBH2084B-100L	NBH2084	BT50-NBH2084B-100L	140-300	8.43
BT50-NBH2084B-150L	NBH2084	BT50-NBH2084B-150L	140-300	9.43
BT50-NBH2084B-200L	NBH2084	BT50-NBH2084B-200L	140-300	10.43
BT50-NBH2084B-250L	NBH2084	BT50-NBH2084B-250L	140-300	11.43
BT50-NBH20110B-100L	NBH20110	BT50-NBH2084B-100L	140-340	9.43
BT50-NBH20110B-150L	NBH20110	BT50-NBH2084B-150L	140-340	10.43
BT50-NBH20110B-200L	NBH20110	BT50-NBH2084B-200L	140-340	11.43
BT50-NBH20110B-250L	NBH20110	BT50-NBH2084B-250L	140-340	12.43
BT50-NBH20150B-100L	NBH20150	BT50-NBH2084B-100L	170-370	11.08
BT50-NBH20150B-150L	NBH20150	BT50-NBH2084B-150L	170-370	12.08
BT50-NBH20150B-200L	NBH20150	BT50-NBH2084B-200L	170-370	13.08
BT50-NBH20150B-250L	NBH20150	BT50-NBH2084B-250L	170-370	14.08
BT50-NBH20250B-100L	NBH20250	BT50-NBH2084B-100L	270-470	12.1
BT50-NBH20250B-150L	NBH20250	BT50-NBH2084B-150L	270-470	13.1
BT50-NBH20250B-200L	NBH20250	BT50-NBH2084B-200L	270-470	14.1
BT50-NBH20250B-250L	NBH20250	BT50-NBH2084B-250L	270-470	15.1

NBH2084-BST-B 本体

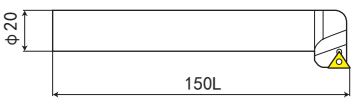
规格 / 型号 Model	范围	滑座外径	刀径	扳手 Wrench	镗孔刀柄	重量 KGS
NBH2084	140-300	84	20	4 6	NBH2084B	2.88
NBH20110	140-340	110	20	4 6	NBH2084B	3.88
NBH20150	170-370	150	20	4 6	NBH2084B	4.88
NBH20250	270-470	250	20	4 6	NBH2084B	5.88

NBH2084-BST-B 主轴柄

规格 / 型号 Model	L1	镗孔深度 DM	重量 KGS
BT50-NBH2084B-100L	100	150	5.1
BT50-NBH2084B-150L	150	200	6.1
BT50-NBH2084B-200L	200	250	7.1
BT50-NBH2084B-250L	250	300	8.1

NBH 刀杆

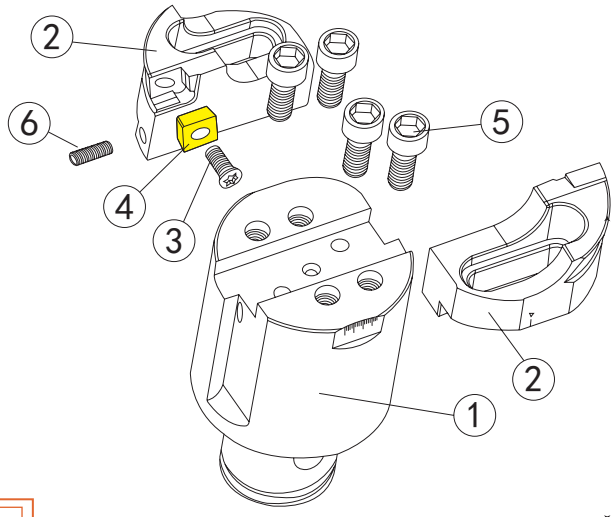
规格 / 型号 Model	刀径	刀片	螺丝 Screw	扳手 Wrench	重量 KGS
BH20TP	20	TPGH110304	M3*8.0	T8	0.45



RBA 双刃粗镗刀头及 RBH 段差型粗镗头使用说明

INSTRUCTIONS OF RBH DUAL BLADES MODULAR ROUGH BORING AND RBA INTERRUPTED ROUGH BORING

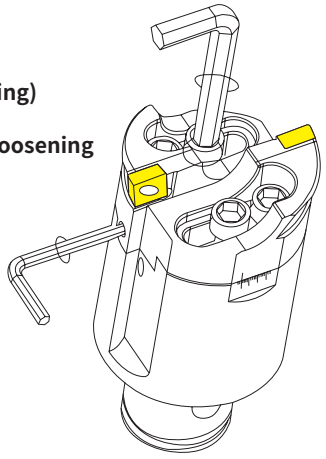
① Boring body 镗头本体
② Insert holder 刀片座
③ Insert screw 刀片螺丝
④ Insert 刀片
⑤ Lock screw 锁紧螺丝
⑥ Adjusting screw 调整螺丝



使用顺序 /Sequence of Use

请参照右图，按下列顺序 1-4 顺序操作:
步骤一：松开刀片座上头固定螺丝。
步骤二：从侧面旋转调整螺丝，推动刀片座到预定加工尺寸 .
步骤三：锁紧刀片座上头固定螺丝。
步骤四：适当扭力旋转调整螺丝，以避免切削时松脱影响加工。

步骤一：须（锁紧）
Step1:Clockwise(Locking)
步骤三：逆（放松）
Step3:Anticlockwise:Loosening
步骤二 /Step2
步骤四 /Step4

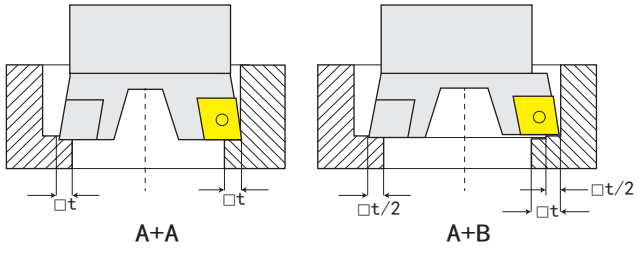


Please operate the following step(1-4)according to the diagram figured;
Step1.Loosening the fixed screws on the blade bearing.
Step2.Rotating and adjusting the side screws to move the blade bearing to an scheduled processing dimension.
Step3.Locking the fixed screws on the blade bearing.
Step4.Using proper force to rotate and adjust the screws to avoid the screw loose during cutting.

使用者注意事项 /Notices of The User

1. 平刃式切削加工，A、B 两刃等高等径切削，此时切削进给为单刃切削的两倍。适用于切削量少时或铸铁、铝、铜等易切削材质使用。
2、高低刃切削加工，A、B 两刃不等高，不等径切削，此时切削进给与单刃切削相同。适用于切除量多或难切削材质如铜材等。
a. 当 A、B 刀片座互相调换边即形成高低刃，即 A 刀片座对 B 接合面，B 刀片座对 A 接合面。
b. 切削量调整 (□ t) 须注意高刃与低刃须均等。以平衡作用于两边之切削反作用相同，防止共振发生，避免单刃受力过大而损坏。

1During plain-blade cutting processing,i.e. equal height and dimension of A and B blade,the cutting feed is twice of single blade cutting.This method is suitable for cutting less output or easy cutting material such as cast iron,aluminum,or copper,etc.
2During high-low cutting processing,i.e.unequal height of A and B blade, the cutting feed is same with single blade cutting.This method is suitable for cutting more output or hard cutting material such as steel,etc.



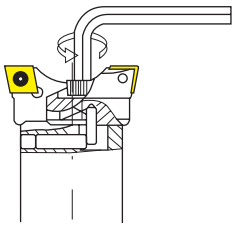
a.When A and B blade bearing be mutual exchanged side to form high-low blade,i.e. A blade bearing to match B matching face,B blade bearing to math A matching face.
b.Be careful that the adjusted cutting output of high blade and low blade should be same.in that case the two sides cutting and counteractive will be balanced to prevent of resonance and damage from excessive force on single blade.

RBA 双刃粗镗刀头及 RBH 段差型粗镗头使用说明

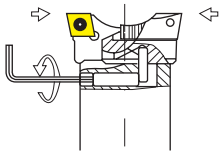
INSTRUCTIONS OF RBH DUAL BLADES MODULAR ROUGH BORING AND RBA INTERRUPTED ROUGH BORING

双刃等高调节方法

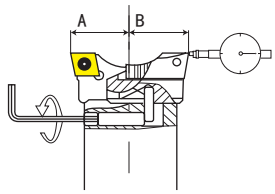
1 松开2颗锁紧螺丝



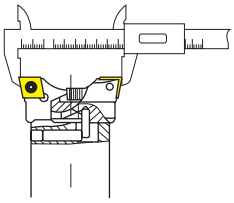
2 旋转2颗调节螺丝，用手推动刀片座，使尺寸比要加工的尺寸小约2mm，稍微拧紧2颗锁紧螺丝。



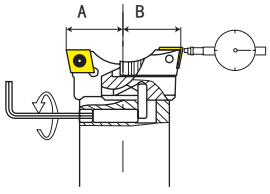
3 旋转调节螺丝，使A、B尺寸在±0.05之内。



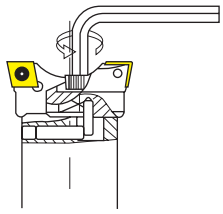
4 测量当前尺寸，计算刀片座调节量。



5 旋转调节螺丝至要加工尺寸并使A、B尺寸之差在±0.05之内。

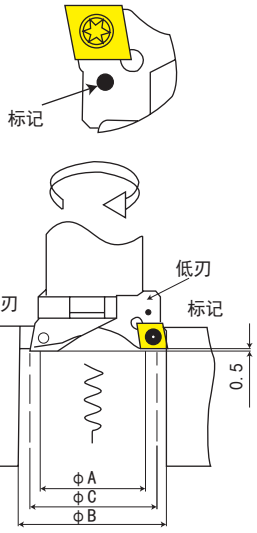


6 拧紧2颗锁紧螺丝。

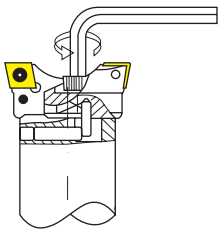


段差加工调节方法

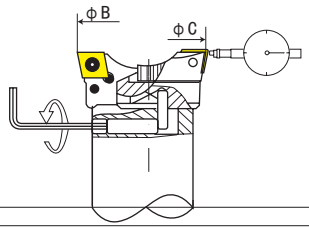
高刃加工直径计算方法：
φC=(加工前直径φA+加工直径φB) /2



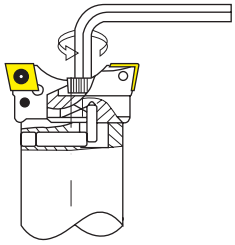
1 松开两颗锁紧螺丝，再略微拧紧。



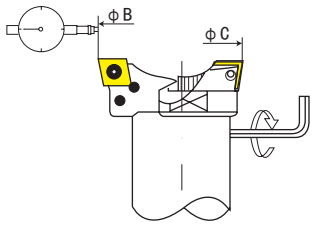
2 旋转调节螺丝推动刀片座，观察刻度线，将高刃调至φC尺寸，低刃略小于B尺寸



3 拧紧两颗锁紧螺丝。

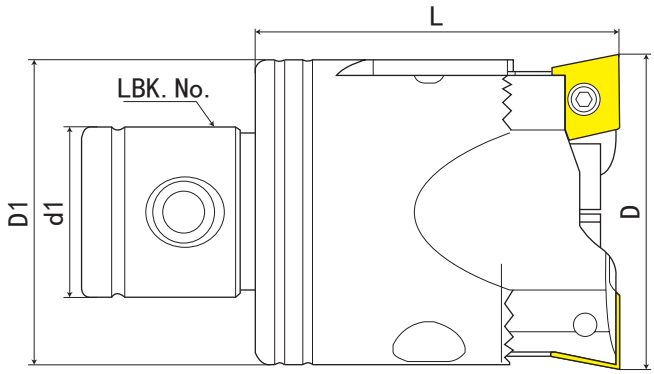


4 试切，看尺寸再调节低刃。



TCT 带齿可调式双刃粗镗头 TCT INDEXABLE TWIN-BIT ROUGH BORING HEAD

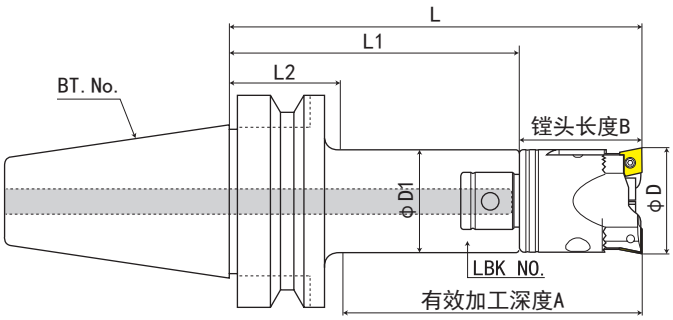




规格 / 型号 Model	接合型号 LBK No	镗孔范围 D Boring Range	有效长度 L	镗头直径 D1	接头直径 d1	使用刀片 Insert	螺丝 Screw	扳手 Wrench	重量 KGS
TCT20-25	LBK1	20-25	36	19	11	CC**0602**	M2.5	T8	0.07
TCT25-33	LBK2	25-33	34	24	14	CC**0602**	M2.5	T8	0.1
TCT32-42	LBK3	32-42	47	31	18	CC**0602**	M2.5	T8	0.25
TCT40-54	LBK4	40-54	55	38	22	CC**09T3**	M4	T15	0.47
TCT52-70	LBK5	52-70	64	49	28	CC**09T3**	M4	T15	0.88
TCT68-95	LBK6	68-95	78	64	36	CC**1204**	M5	T20	1.86
TCT93-122	LBK6	90-122	78	63	36	CC**1204**	M5	T20	1.93
TCT120-164	BST	120-164	96		BST	CC**1204**	M5	T20	
TCT160-204	BST	160-204	96			CC**1204**	M5	T20	
TCT200-310LA-C	BST	200-310	84			CCMT120408		T20	3.9
TCT300-410LA-C	BST	300-410	85			CCMT120408		T20	4.7
TCT400-510LA-C	BST	400-510	90			CCMT120408		T20	5.5
TCT500-610LA-C	BST	500-610	91			CCMT120408		T20	6.48

TCT 带齿可调式双刃粗镗头 +LBK 刀柄 TCT INDEXABLE TWIN-BIT ROUGH BORING HEAD+LBK SHANK





型号说明

BT30 TCT19 91L

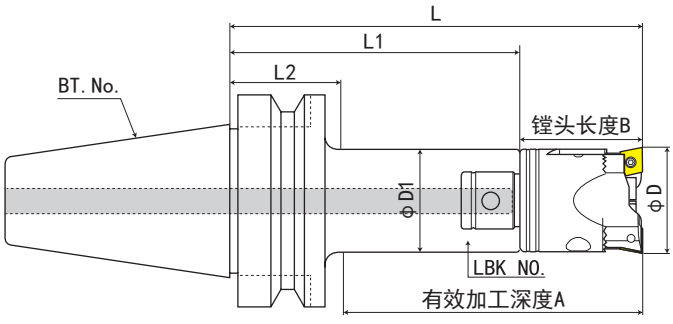
- 91L：全长 L
- TCT19：TCT 镗头
- BT30：BT 刀柄

规格 / 型号 Model	组合内容 Tool Connection		连接接口 LBK.NO	全长 L	刀柄长 L1	L2	镗头长度 B	刀柄外径 ϕD1	镗孔范围 Boring RangeϕD	有效深度 A	重量 KGS
	LBK 刀柄 LBK Shank	SDL 镗头 Boring head									
BT30-TCT19-91L	BT30-LBK1-55L	TCT20-25	LBK1	91	55	27	36	19	20-25	64	
BT30-TCT19-106L	BT30-LBK1-70L	TCT20-25	LBK1	106	70	27	36	19	20-25	79	
BT30-TCT25-114L	BT30-LBK2-80L	TCT25-33	LBK2	114	80	27	34	24	25-33	87	
BT30-TCT32-127L	BT30-LBK3-80L	TCT32-42	LBK3	127	80	27	47	31	32-42	100	
BT30-TCT40-125L	BT30-LBK4-70L	TCT40-54	LBK4	125	70	27	55	39	40-54	98	
BT30-TCT52-124L	BT30-LBK5-60L	TCT52-70	LBK5	124	60	27	64	50	52-70	97	
BT30-TCT68-138L	BT30-LBK6-60L	TCT68-95	LBK6	138	60	27	78	63	68-95	111	
BT30-TCT93-138L	BT30-LBK6-60L	TCT93-122	LBK6	138	60	27	78	63	93-122	111	
BT40-TCT19-111L	BT40-LBK1-75L	TCT20-25	LBK1	111	75	32	36	19	20-25	79	
BT40-TCT19-141L	BT40-LBK1-105L	TCT20-25	LBK1	141	105	32	36	19	20-25	109	
BT40-TCT25-119L	BT40-LBK2-85L	TCT25-33	LBK2	119	85	32	34	24	25-33	87	
BT40-TCT25-149L	BT40-LBK2-115L	TCT25-33	LBK2	149	115	32	34	24	25-33	117	
BT40-TCT32-142L	BT40-LBK3-95L	TCT32-42	LBK3	142	95	32	47	31	32-42	110	
BT40-TCT32-172L	BT40-LBK3-125L	TCT32-42	LBK3	172	125	32	47	31	32-42	140	
BT40-TCT32-202L	BT40-LBK3-155L	TCT32-42	LBK3	202	155	32	47	31	32-42	170	
BT40-TCT32-232L	BT40-LBK3-185L	TCT32-42	LBK3	232	185	32	47	31	32-42	200	
BT40-TCT40-140L	BT40-LBK4-85L	TCT40-55	LBK4	140	85	32	55	39	40-54	108	
BT40-TCT40-185L	BT40-LBK4-130L	TCT40-54	LBK4	185	130	32	55	39	40-54	153	
BT40-TCT40-230L	BT40-LBK4-175L	TCT40-54	LBK4	230	175	32	55	39	40-54	198	
BT40-TCT40-260L	BT40-LBK4-205L	TCT40-54	LBK4	260	205	32	55	39	40-54	228	
BT40-TCT40-305L	BT40-LBK4-250L	TCT40-54	LBK4	305	250	32	55	39	40-54	273	
BT40-TCT52-139L	BT40-LBK5-75L	TCT52-70	LBK5	139	75	32	64	50	52-70	107	
BT40-TCT52-189L	BT40-LBK5-125L	TCT52-70	LBK5	189	125	32	64	50	52-70	157	
BT40-TCT52-239L	BT40-LBK5-175L	TCT52-70	LBK5	239	175	32	64	50	52-70	207	
BT40-TCT52-269L	BT40-LBK5-205L	TCT52-70	LBK5	269	205	32	64	50	52-70	237	
BT40-TCT52-314L	BT40-LBK5-250L	TCT52-70	LBK5	314	250	32	64	50	52-70	282	
BT40-TCT68-143L	BT40-LBK6-65L	TCT68-95	LBK6	143	65	32	78	63	68-95	111	
BT40-TCT68-193L	BT40-LBK6-115L	TCT68-95	LBK6	193	115	32	78	63	68-95	161	
BT40-TCT68-243L	BT40-LBK6-165L	TCT68-95	LBK6	243	165	32	78	63	68-95	211	
BT40-TCT68-283L	BT40-LBK6-205L	TCT68-95	LBK6	283	205	32	78	63	68-95	251	
BT40-TCT93-143L	BT40-LBK6-65L	TCT90-122	LBK6	143	65	32	78	63	90-122	111	
BT40-TCT93-193L	BT40-LBK6-115L	TCT90-122	LBK6	193	115	32	78	63	90-122	161	
BT40-TCT93-243L	BT40-LBK6-165L	TCT90-122	LBK6	243	165	32	78	63	90-122	211	
BT40-TCT93-283L	BT40-LBK6-205L	TCT90-122	LBK6	283	205	32	78	63	90-122	251	
BT40-TCT120-164L	BT40-BST-100L	TCT120-164	BST	196	100	32	96	95	110-164	164	
BT40-TCT160-204L	BT40-BST-100L	TCT160-204	BST	196	100	32	96	95	160-204	164	

镗孔刀具系列 BORING HEAD

TCT 带齿可调式双刃粗镗头 +LBK 刀柄 TCT INDEXABLE TWIN-BIT ROUGH BORING HEAD+LBK SHANK





型号说明

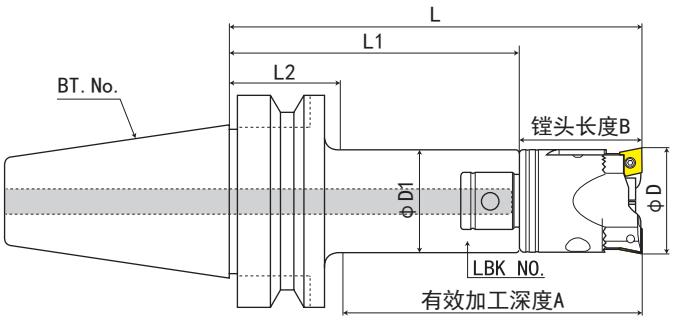
BT30 TCT19 91L

- 91L：全长 L
- TCT19：TCT 镗头
- BT30：BT 刀柄

规格 / 型号 Model	组合内容 Tool Connection		连接接口 LBK.NO	全长 L	刀柄长 L1	L2	镗头长度 B	刀柄外径 ΦD1	镗孔范围 Boring RangeΦD	有效深度 A	重量 KGS
	LBK 刀柄 LBK Shank	SDL 镗头 Boring head									
BT50-TCT19-125L	BT50-LBK1-90L	TCT20-25	LBK1	126	90	43	36	19	20-25	83	
BT50-TCT19-150L	BT50-LBK1-115L	TCT20-25	LBK1	151	115	43	36	19	20-25	108	
BT50-TCT19-180L	BT50-LBK1-145L	TCT20-25	LBK1	181	145	43	36	19	20-25	138	
BT50-TCT19-210L	BT50-LBK1-175L	TCT20-25	LBK1	211	175	43	36	19	20-25	168	
BT50-TCT25-130L	BT50-LBK2-90L	TCT25-33	LBK2	124	90	43	34	24	25-33	81	
BT50-TCT25-150L	BT50-LBK2-110L	TCT25-33	LBK2	144	110	43	34	24	25-33	101	
BT50-TCT25-180L	BT50-LBK2-140L	TCT25-33	LBK2	174	140	43	34	24	25-33	131	
BT50-TCT25-215L	BT50-LBK2-175L	TCT25-33	LBK2	209	175	43	34	24	25-33	166	
BT50-TCT32-130L	BT50-LBK3-90L	TCT32-42	LBK3	137	90	43	47	31	32-42	94	
BT50-TCT32-165L	BT50-LBK3-125L	TCT32-42	LBK3	172	125	43	47	31	32-42	129	
BT50-TCT32-195L	BT50-LBK3-155L	TCT32-42	LBK3	202	155	43	47	31	32-42	159	
BT50-TCT32-225L	BT50-LBK3-185L	TCT32-42	LBK3	232	185	43	47	31	32-42	189	
BT50-TCT32-255L	BT50-LBK3-215L	TCT32-42	LBK3	262	215	43	47	31	32-42	219	
BT50-TCT40-140L	BT50-LBK4-90L	TCT40-54	LBK4	145	90	43	55	39	40-54	102	
BT50-TCT40-165L	BT50-LBK4-115L	TCT40-54	LBK4	170	115	43	55	39	40-54	127	
BT50-TCT40-195L	BT50-LBK4-145L	TCT40-54	LBK4	200	145	43	55	39	40-54	157	
BT50-TCT40-225L	BT50-LBK4-175L	TCT40-54	LBK4	230	175	43	55	39	40-54	187	
BT50-TCT40-255L	BT50-LBK4-205L	TCT40-54	LBK4	260	205	43	55	39	40-54	217	
BT50-TCT40-300L	BT50-LBK4-250L	TCT40-54	LBK4	305	250	43	55	39	40-54	262	
BT50-TCT40-350L	BT50-LBK4-300L	TCT40-54	LBK4	355	300	43	55	39	40-54	312	
BT50-TCT40-400L	BT50-LBK4-350L	TCT40-54	LBK4	405	350	43	55	39	40-54	362	
BT50-TCT52-150L	BT50-LBK5-90L	TCT52-70	LBK5	154	90	43	64	50	52-70	111	
BT50-TCT52-165L	BT50-LBK5-105L	TCT52-70	LBK5	169	105	43	64	50	52-70	126	
BT50-TCT52-210L	BT50-LBK5-150L	TCT52-70	LBK5	214	150	43	64	50	52-70	171	
BT50-TCT52-240L	BT50-LBK5-180L	TCT52-70	LBK5	244	180	43	64	50	52-70	201	
BT50-TCT52-300L	BT50-LBK5-240L	TCT52-70	LBK5	304	240	43	64	50	52-70	261	
BT50-TCT52-330L	BT50-LBK5-270L	TCT52-70	LBK5	334	270	43	64	50	52-70	291	
BT50-TCT52-360L	BT50-LBK5-300L	TCT52-70	LBK5	364	300	43	64	50	52-70	321	
BT50-TCT52-410L	BT50-LBK5-350L	TCT52-70	LBK5	414	350	43	64	50	52-70	371	
BT50-TCT68-165L	BT50-LBK6-95L	TCT68-95	LBK6	173	95	43	78	63	68-95	130	
BT50-TCT68-220L	BT50-LBK6-150L	TCT68-95	LBK6	228	150	43	78	63	68-95	185	
BT50-TCT68-240L	BT50-LBK6-170L	TCT68-95	LBK6	248	170	43	78	63	68-95	205	
BT50-TCT68-275L	BT50-LBK6-205L	TCT68-95	LBK6	283	205	43	78	63	68-95	240	
BT50-TCT68-300L	BT50-LBK6-230L	TCT68-95	LBK6	308	230	43	78	63	68-95	265	
BT50-TCT68-340L	BT50-LBK6-270L	TCT68-95	LBK6	348	270	43	78	63	68-95	305	
BT50-TCT68-370L	BT50-LBK6-300L	TCT68-95	LBK6	378	300	43	78	63	68-95	335	
BT50-TCT68-420L	BT50-LBK6-350L	TCT68-95	LBK6	428	350	43	78	63	68-95	385	
BT50-TCT68-470L	BT50-LBK6-400L	TCT68-95	LBK6	478	400	43	78	63	68-95	435	
BT50-TCT68-520L	BT50-LBK6-450L	TCT68-95	LBK6	528	450	43	78	63	68-95	485	

TCT 带齿可调式双刃粗镗头 +LBK 刀柄 TCT INDEXABLE TWIN-BIT ROUGH BORING HEAD+LBK SHANK





型号说明

BT30 TCT19 91L

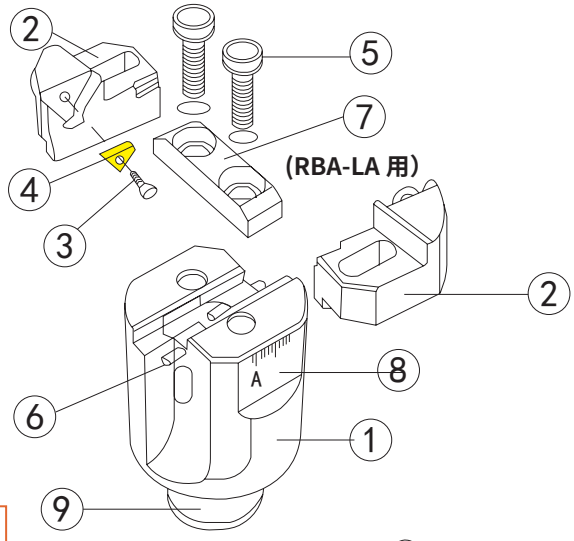
- 91L：全长 L
- TCT19：TCT 镗头
- BT30：BT 刀柄

规格 / 型号 Model	组合内容 Tool Connection		连接接口 LBK.NO	全长 L	刀柄长 L1	L2	镗头长度 B	刀柄外径 φD1	镗孔范围 Boring Range φD	有效深度 A	重量 KGS
	LBK 刀柄 LBK Shank	SDL 镗头 Boring head									
BT50-TCT110-170L	BT50-BST-100L	TCT120-164	BST	196	100	43	96	95	120-164	153	
BT50-TCT110-220L	BT50-BST-150L	TCT120-164	BST	246	150	43	96	95	120-164	203	
BT50-TCT110-270L	BT50-BST-200L	TCT120-164	BST	296	200	43	96	95	120-164	253	
BT50-TCT110-320L	BT50-BST-250L	TCT120-164	BST	346	250	43	96	95	120-164	303	
BT50-TCT110-370L	BT50-BST-300L	TCT120-164	BST	396	300	43	96	95	120-164	353	
BT50-TCT110-420L	BT50-BST-350L	TCT120-164	BST	446	350	43	96	95	120-164	403	
BT50-TCT110-470L	BT50-BST-400L	TCT120-164	BST	496	400	43	96	95	120-164	453	
BT50-TCT110-520L	BT50-BST-450L	TCT120-164	BST	546	450	43	96	95	120-164	503	
BT50-TCT110-570L	BT50-BST-500L	TCT120-164	BST	596	500	43	96	95	120-164	553	
BT50-TCT160-170L	BT50-BST-100L	TCT160-204	BST	196	100	43	96	95	160-204	153	
BT50-TCT160-220L	BT50-BST-150L	TCT160-204	BST	246	150	43	96	95	160-204	203	
BT50-TCT160-270L	BT50-BST-200L	TCT160-204	BST	296	200	43	96	95	160-204	253	
BT50-TCT160-320L	BT50-BST-250L	TCT160-204	BST	346	250	43	96	95	160-204	303	
BT50-TCT160-370L	BT50-BST-300L	TCT160-204	BST	396	300	43	96	95	160-204	353	
BT50-TCT160-420L	BT50-BST-350L	TCT160-204	BST	446	350	43	96	95	160-204	403	
BT50-TCT160-470L	BT50-BST-400L	TCT160-204	BST	496	400	43	96	95	160-204	453	
BT50-TCT160-520L	BT50-BST-450L	TCT160-204	BST	546	450	43	96	95	160-204	503	
BT50-TCT160-570L	BT50-BST-500L	TCT160-204	BST	596	500	43	96	95	160-204	553	

RBA-LA 新型双刃粗镗刀头及段差型粗镗头使用说明

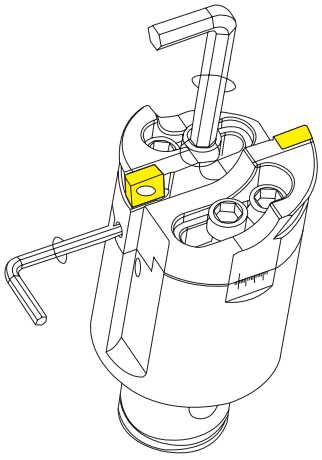
RBA-LA LNSTRUCTIONS OF TWIN-CUTTER ROUGH BORING HEAD AND STEPPED ROUGH BORING METHOD

1. Boring body 镗头本体
2. Insert holder 刀片座
3. Insert screw 刀片螺丝
4. Insert 刀片
5. Lock screw 锁紧螺丝
6. Adjusting screw 调整螺丝
7. Plate 压板
8. Scale 微调刻度
9. LBK-Interface LBK 连接接口



使用顺序 /Sequence of Use

请参照右图，按下列顺序 1-4 顺序操作:
步骤一：松开刀片座上固定螺丝。
步骤二：从侧面旋转调整螺丝，推动刀片座到预定加工尺寸 .
步骤三：锁紧刀片座上固定螺丝。
步骤四：适当扭力旋转调整螺丝，以避免切削时松脱影响加工。

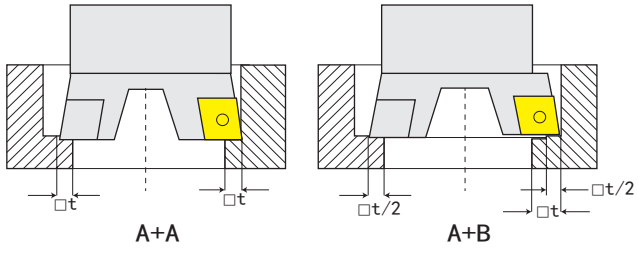


Please operate the following step(1-4)according to the diagram figured;
Step1.Loosening the fixed screws on the blade bearing.
Step2.Rotating and adjusting the side screws to move the blade bearing to an scheduled processing dimension.
Step3.Locking the fixed screws on the blade bearing.
Step4.Using proper force to rotate and adjust the screws to avoid the screw loose during cutting.

使用者注意事项 /Notices of The User

1. 平刃式切削加工，A、B 两刃等高等径切削，此时切削进给为单刃切削的两倍。适用于切削量少时或铸铁、铝、铜等易切削材质使用。
2、高低刃切削加工，A、B 两刃不等高，不等径切削，此时切削进给与单刃切削相同。适用于切除量多或难切削材质如铜材等。
a. 当 A、B 刀片座互相调换边即形成高低刃，即 A 刀片座对 B 接合面，B 刀片座对 A 接合面。
b. 切削量调整 (□ t) 须注意高刃与低刃须均等。以平衡作用于两边之切削反作用相同，防止共振发生，避免单刃受力过大而损坏。

1During plain-blade cutting processing,i.e. equal height and dimension of A and B blade,the cutting feed is twice of single blade cutting.This method is suitable for cutting less output or easy cutting material such as cast iron,aluminum,or copper,etc.
2During high-low cutting processing,i.e.unequal height of A and B blade, the cutting feed is same with single blade cutting.This method is suitable for cutting more output or hard cutting material such as steel,etc.



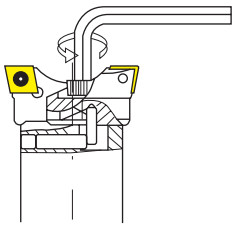
a.When A and B blade bearing be mutual exchanged side to form high-low blade,i.e. A blade bearing to match B matching face,B blade bearing to math A matching face.
b.Be careful that the adjusted cutting output of high blade and low blade should be same.in that case the two sides cutting and counteractive will be balanced to prevent of resonance and damage from excessive force on single blade.

RBA-LA 新型双刃粗镗刀头及 RBA 段差型粗镗头使用说明

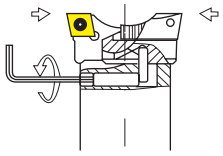
RBA-LA INSTRUCTIONS OF RBA DUAL BLADES MODULAR ROUGH BORING AND RBH INTERRUPTED ROUGH BORING

双刃等高调节方法

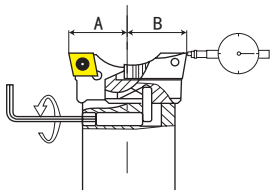
1 松开2颗锁紧螺丝



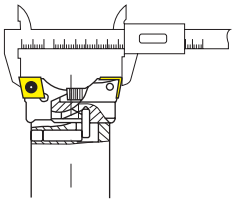
2 旋转2颗调节螺丝，用手推动刀片座，使尺寸比要加工的尺寸小约2mm，稍微拧紧2颗锁紧螺丝。



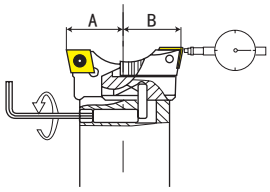
3 旋转调节螺丝，使A、B尺寸在±0.05之内。



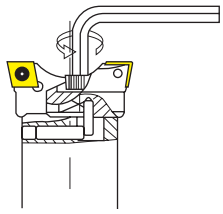
4 测量当前尺寸，计算刀片座调节量。



5 旋转调节螺丝至要加工尺寸并使A、B尺寸之差在±0.05之内。

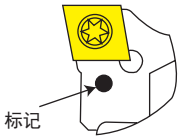


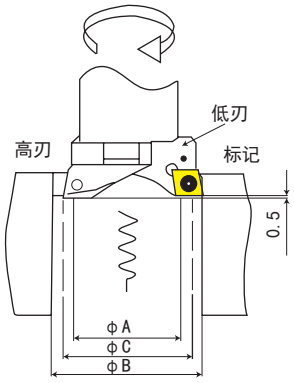
6 拧紧2颗锁紧螺丝。



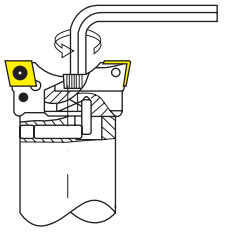
段差加工调节方法

高刃加工直径计算方法：
φC=(加工前直径φA+加工直径φB）/2

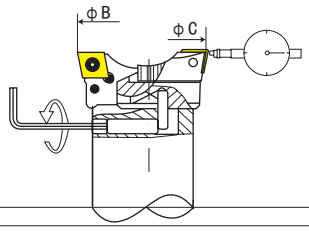




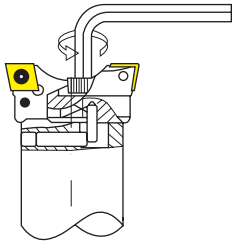
1 松开两颗锁紧螺丝，再略微拧紧。



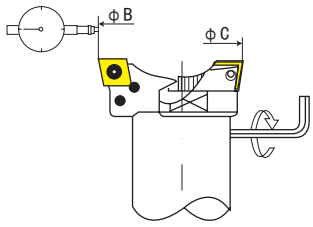
2 旋转调节螺丝推动刀片座，观察刻度线，将高刃调至φC尺寸，低刃略小于B尺寸



3 拧紧两颗锁紧螺丝。



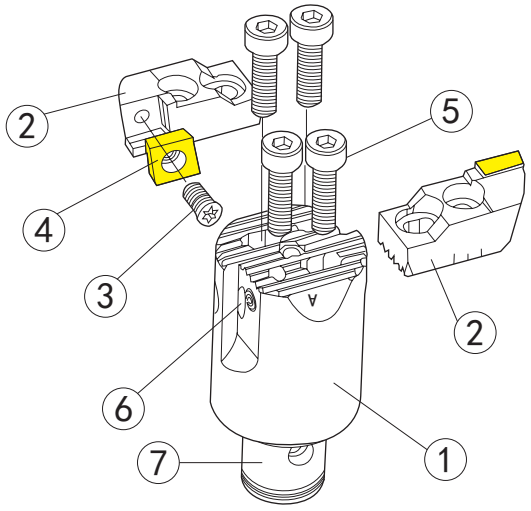
4 试切，看尺寸再调节低刃。



RBA-LA-C 新型带齿双刃粗镗刀头及段差型粗镗头使用说明

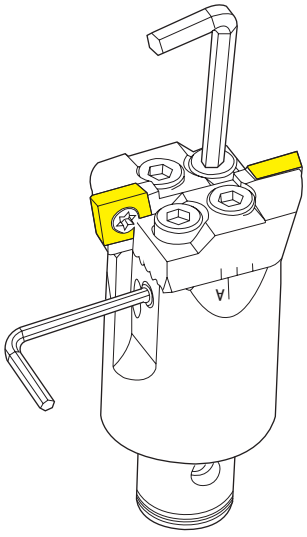
RBA-LA-C LNSTRUCTIONS OF TWIN-CUTTER ROUGH BORING HEAD AND STEPPED ROUGH BORING METHOD

1. Boring body 镗头本体
2. Insert holder 刀片座
3. Insert screw 刀片螺丝
4. Insert 刀片
5. Lock screw 锁紧螺丝
6. Adjusting screw 调整螺丝
7. LBK-Interface LBK 连接接口



使用顺序 /Sequence of Use

请参照右图，按下列顺序 1-4 顺序操作:
步骤一：松开刀片座上固定螺丝。
步骤二：从侧面旋转调整螺丝，推动刀片座到预定加工尺寸 .
步骤三：锁紧刀片座上固定螺丝。
步骤四：适当扭力旋转调整螺丝，以避免切削时松脱影响加工。

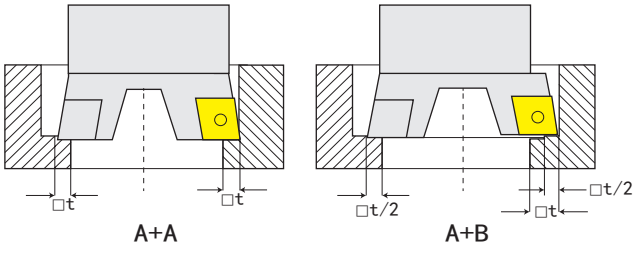


Please operate the following step(1-4)according to the diagram figured;
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Step2.Rotating and adjusting the side screws to move the blade bearing to an scheduled processing dimension.
Step3.Locking the fixed screws on the blade bearing.
Step4.Using proper force to rotate and adjust the screws to avoid the screw loose during cutting.

使用者注意事项 /Notices of The User

1. 平刃式切削加工，A、B 两刃等高等径切削，此时切削进给为单刃切削的两倍。适用于切削量少时或铸铁、铝、铜等易切削材质使用。
2、高低刃切削加工，A、B 两刃不等高，不等径切削，此时切削进给与单刃切削相同。适用于切除量多或难切削材质如铜材等。
a. 当 A、B 刀片座互相调换边即形成高低刃，即 A 刀片座对 B 接合面，B 刀片座对 A 接合面。
b. 切削量调整 (□ t) 须注意高刃与低刃须均等。以平衡作用于两边之切削反作用相同，防止共振发生，避免单刃受力过大而损坏。

1During plain-blade cutting processing,i.e. equal height and dimension of A and B blade,the cutting feed is twice of single blade cutting.This method is suitable for cutting less output or easy cutting material such as cast iron,aluminum,or copper,etc.
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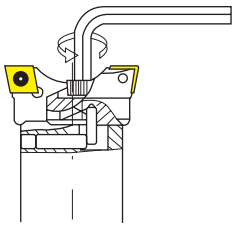
a.When A and B blade bearing be mutual exchanged side to form high-low blade,i.e. A blade bearing to match B matching face,B blade bearing to math A matching face.
b.Be careful that the adjusted cutting output of high blade and low blade should be same.in that case the two sides cutting and counteractive will be balanced to prevent of resonance and damage from excessive force on single blade.

RBA-LA-C 新型带齿双刃粗镗刀头及段差型粗镗头使用说明

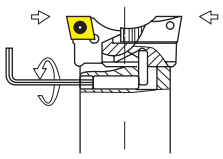
RBA-LA-C LNSTRUCTIONS OF TWIN-CUTTER ROUGH BORING HEAD AND STEPPED ROUGH BORING METHOD

双刃等高调节方法

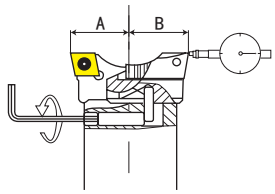
1 松开2颗锁紧螺丝



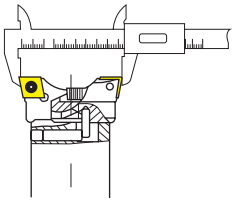
2 旋转2颗调节螺丝，用手推动刀片座，使尺寸比要加工的尺寸小约2mm，稍微拧紧2颗锁紧螺丝。



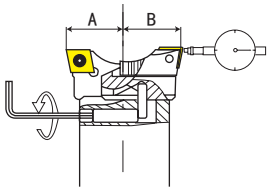
3 旋转调节螺丝，使A、B尺寸在±0.05之内。



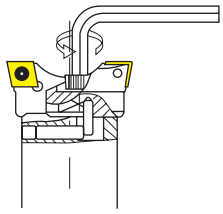
4 测量当前尺寸，计算刀片座调节量。



5 旋转调节螺丝至要加工尺寸并使A、B尺寸之差在±0.05之内。

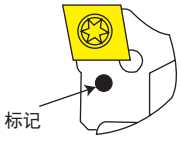


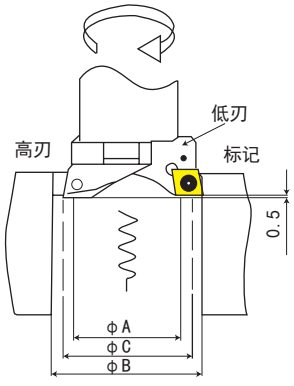
6 拧紧2颗锁紧螺丝。



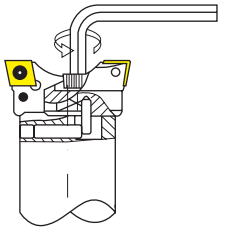
段差加工调节方法

高刃加工直径计算方法：
φC=(加工前直径φA+加工直径φB）/2

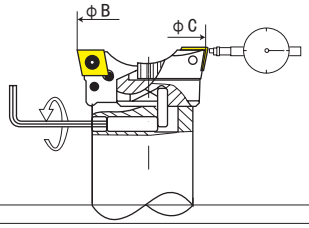




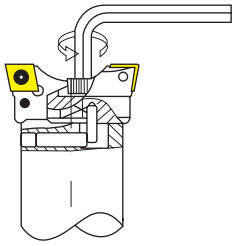
1 松开两颗锁紧螺丝，再略微拧紧。



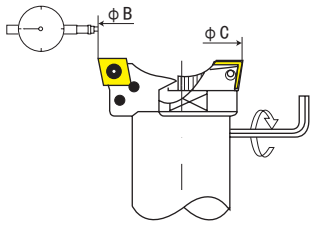
2 旋转调节螺丝推动刀片座，观察刻度线，将高刃调至φC尺寸，低刃略小于B尺寸



3 拧紧两颗锁紧螺丝。

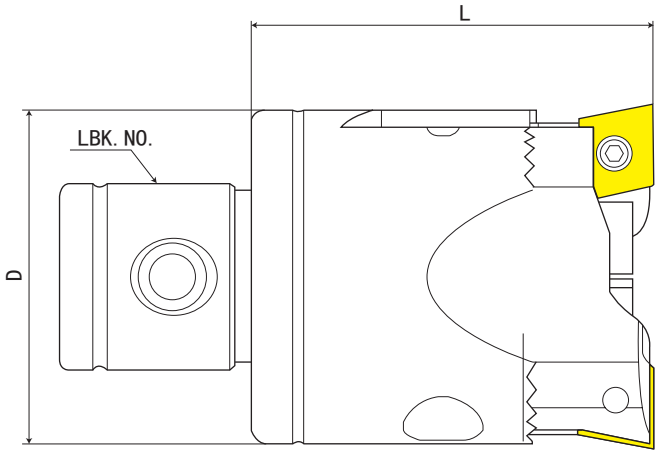


4 试切，看尺寸再调节低刃。



RBA-LA-C 新型带齿可调式双刃粗镗头 RBA-LA-C INDEXABLE TWIN-BIT ROUGH BORING HEAD





镗孔范围 Boring Range	刀 柄 LBK No. BST No.
φ25-φ204	LBK BST

规格 / 型号 Model	镗孔范围 Boring Range		D	L	接合型号 LBK No	使用刀片 Insert	刀片座滑块 Insert Seat	螺丝 Screw	扳手 Wrench	重量 KGS
	Min.	Max.								
RBA20-25-LA-C	19	25	18	35	LBK1	CCMT060204	RL-C2025	M2.5*6.0	T8	0.15
RBA25-35-LA-C	25	35	24	40	LBK2	CCMT060204	RL-C2535	M2.5*6.0	T8	0.3
RBA32-45-LA-C	32	45	31	40	LBK3	CCMT060204	RL-C3245	M2.5*6.0	T8	0.5
RBA40-55-LA-C	40	55	39	50	LBK4	CCMT09T304	RL-C4055	M4*8.0	T15	1
RBA52-75-LA-C	52	75	50	60	LBK5	CCMT09T304	RL-C5275	M4*8.0	T15	2.5
RBA68-95-LA-C	68	95	66	70	LBK6	CCMT120408	RL-C6895	M5*10.0	T20	3.1
RBA95-112-LA-C	95	112	66	70	LBK6	CCMT120408	RL-C95112	M5*10.0	T20	3.1
RBA110-164-LA-C	110	164	108	70	BST	CCMT120408	RL-C110164	M5*10.0	T20	4.2
RBA160-204-LA-C	160	204	-	70	BST	CCMT120408	RL-C160204	M5*10.0	T20	5.3

特点：

注：
◎适用单刃镗孔，双刃镗孔及高低阶镗孔。镗孔范围 φ25-204mm
◎新型刀刃滑座设计，刀背加强。加工时，滑座承受的两个作用力相互抵消，产生最大刚性和切削力。适合各形态的镗孔作业
◎可依照不同加工需求，轻易调整镗刀，作少量多样的加工。加工深度可配合合延长杆延伸至所需长度
◎清晰的侧边刻度，协助使用者轻易调整到所需的范围，无须在刀具设定仪上预设
◎最适合在各型切削中心机或镗床上配合使用，并可搭配各种品牌相同规格的指定刀片，节省刀具研磨时间并大幅增加镗孔效率
◎专利高低段差设计，平刃或高低刃均可采用
◎此款镗头可以更换反镗刀座进行反镗加工

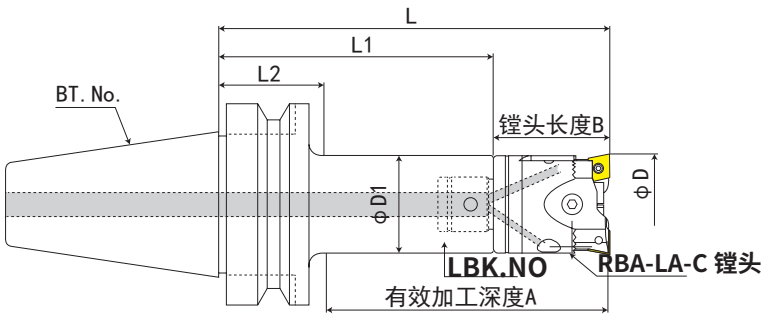
Features:

◎ It is suitable for single blade boring, two blades boring and step boring with working diameter from φ25mm to φ500 mm.
◎ New type design of slid seat for blade, and the back of the blade is strengthened. When machining, the two acting force received by the slid seat can offset, so that max rigidity and cutting force will generate, which is suitable for a variety of borings.
◎ Boring head can be easily adjusted to meet different boring needs of machining.Boring depth can be extended by rod to required length.
◎ Clear side division can help operator adjust to required range easily without using a tool presetter.
◎ It is best for using on various machine centers or boring mills, and can match specific tools of different brands,which will reduce tool grinding and greatly improve boring performance.
◎ Patented step boring design, which is suitable for both level boring and step boring.

RBA-LA-C 新型带齿双刃粗镗头 +LBK 刀柄（MAS 403BT)

RBA-LA-C INDEXABLE TWIN-BIT ROUGH BORING HEAD+LBK SHANK(MAS 403BT)






P.J06


P.J70

型号说明

BT30 RBA19-LA-C 90L

- 90L：全长 L
- RBA19-LA-C：RBA19-25-LA-C-LBK1 镗头
- BT30：BT 刀柄

规格 / 型号 Model	LBK 刀柄 LBK Shank	RBA-LA-C 镗头	镗孔范围 Boring Range	有效加工深度 Z	接合型号 LBK No	全长 L	刀杆长 L1	L2	镗头长度 B	刀杆外径 ΦD1	重量 KGS
BT30-RBA19-LA-C-90L	BT30-LBK1-55L	RBA19-25-LA-C	19-25	63	LBK1	90	55	27	35	19	0.75
BT30-RBA19-LA-C-105L	BT30-LBK1-70L	RBA19-25-LA-C	19-25	78	LBK1	105	70	27	35	19	0.85
BT30-RBA25-LA-C-120L	BT30-LBK2-80L	RBA25-35-LA-C	25-35	93	LBK2	120	80	27	40	24	0.95
BT30-RBA32-LA-C-120L	BT30-LBK3-80L	RBA32-45-LA-C	32-45	93	LBK3	120	80	27	40	31	1.2
BT30-RBA40-LA-C-120L	BT30-LBK4-70L	RBA40-55-LA-C	40-55	93	LBK4	120	70	27	50	39	1.6
BT30-RBA52-LA-C-120L	BT30-LBK5-60L	RBA52-75-LA-C	52-75	93	LBK5	120	60	27	60	50	2.1
BT30-RBA68-LA-C-130L	BT30-LBK6-60L	RBA68-110-LA-C	68-110	103	LBK6	130	60	27	70	63	3.7
BT40-RBA19-LA-C-110L	BT40-LBK1-75L	RBA19-25-LA-C	19-25	78	LBK1	110	75	32	35	19	1.15
BT40-RBA19-LA-C-140	BT40-LBK1-105L	RBA19-25-LA-C	19-25	108	LBK1	140	105	32	35	19	1.25
BT40-RBA25-LA-C-125L	BT40-LBK2-85L	RBA25-35-LA-C	25-35	93	LBK2	125	85	32	40	24	1.35
BT40-RBA25-LA-C-155L	BT40-LBK2-115L	RBA25-35-LA-C	25-35	123	LBK2	155	115	32	40	24	1.45
BT40-RBA32-LA-C-135L	BT40-LBK3-95L	RBA32-45-LA-C	32-45	103	LBK3	135	95	32	40	31	1.6
BT40-RBA32-LA-C-165L	BT40-LBK3-125L	RBA32-45-LA-C	32-45	133	LBK3	165	125	32	40	31	1.7
BT40-RBA32-LA-C-195L	BT40-LBK3-155L	RBA32-45-LA-C	32-45	163	LBK3	195	155	32	40	31	1.9
BT40-RBA32-LA-C-225L	BT40-LBK3-185L	RBA32-45-LA-C	32-45	193	LBK3	225	185	32	40	31	2.0
BT40-RBA40-LA-C-135L	BT40-LBK4-85L	RBA40-55-LA-C	40-55	103	LBK4	135	85	32	50	39	2.05
BT40-RBA40-LA-C-180L	BT40-LBK4-130L	RBA40-55-LA-C	40-55	148	LBK4	180	130	32	50	39	2.1
BT40-RBA40-LA-C-225L	BT40-LBK4-175L	RBA40-55-LA-C	40-55	193	LBK4	225	175	32	50	39	2.7
BT40-RBA40-LA-C-255L	BT40-LBK4-205L	RBA40-55-LA-C	40-55	223	LBK4	255	205	32	50	39	2.8
BT40-RBA40-LA-C-300L	BT40-LBK4-250L	RBA40-55-LA-C	40-55	268	LBK4	300	250	32	50	39	2.9
BT40-RBA52-LA-C-135L	BT40-LBK5-75L	RBA52-75-LA-C	52-75	103	LBK5	135	75	32	60	50	2.7
BT40-RBA52-LA-C-185L	BT40-LBK5-125L	RBA52-75-LA-C	52-75	153	LBK5	185	125	32	60	50	2.95
BT40-RBA52-LA-C-235L	BT40-LBK5-175L	RBA52-75-LA-C	52-75	203	LBK5	235	175	32	60	50	3
BT40-RBA52-LA-C-265L	BT40-LBK5-205L	RBA52-75-LA-C	52-75	233	LBK5	265	205	32	60	50	4.2
BT40-RBA52-LA-C-310L	BT40-LBK5-250L	RBA52-75-LA-C	52-75	278	LBK5	310	250	32	60	50	4.5
BT40-RBA68-LA-C-135L	BT40-LBK6-65L	RBA68-110-LA-C	68-110	103	LBK6	135	65	32	70	63	4.65
BT40-RBA68-LA-C-185L	BT40-LBK6-115L	RBA68-110-LA-C	68-110	153	LBK6	185	115	32	70	63	6
BT40-RBA68-LA-C-235L	BT40-LBK6-165L	RBA68-110-LA-C	68-110	203	LBK6	235	165	32	70	63	6.35
BT40-RBA68-LA-C-275L	BT40-LBK6-205L	RBA68-110-LA-C	68-110	243	LBK6	275	205	32	70	63	6.6
BT40-RBA110-LA-C-170L	BT40-BST-100L	RBA110-164-LA-C	110-164	138	BST	170	100	32	70	95	8.95
BT40-RBA110-LA-C-220L	BT40-BST-150L	RBA110-164-LA-C	110-164	188	BST	220	150	32	70	95	10.39
BT40-RBA110-LA-C-270L	BT40-BST-200L	RBA110-164-LA-C	110-164	238	BST	270	200	32	70	95	11.87
BT40-RBA160-LA-C-170L	BT40-BST-100L	RBA160-204-LA-C	160-204	138	BST	170	100	32	70	95	9.95
BT40-RBA160-LA-C-220L	BT40-BST-150L	RBA160-204-LA-C	160-204	188	BST	220	150	32	70	95	11.39
BT40-RBA160-LA-C-270L	BT40-BST-200L	RBA160-204-LA-C	160-204	238	BST	270	200	32	70	95	12.87

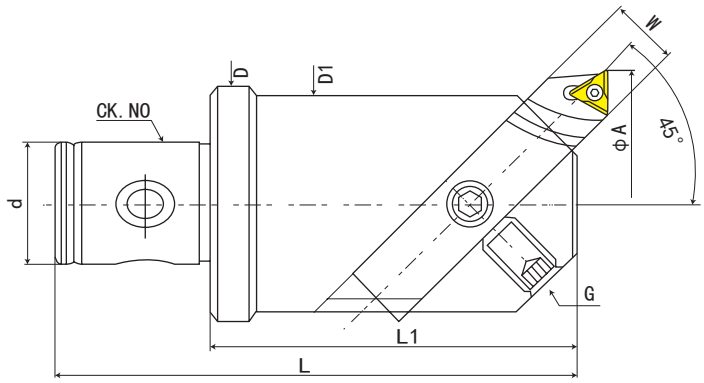
RBA-LA-C 新型带齿双刃粗镗头 +LBK 刀柄（MAS 403BT)

RBA-LA-C INDEXABLE TWIN-BIT ROUGH BORING HEAD+LBK SHANK(MAS 403BT)

规格 / 型号 Model	LBK 刀柄 LBK Shank	RBA-LA-C 镗头	镗孔范围 Boring Range	有效加工深度 Z	接合型号 LBK No	全长 L	刀杆长 L1	L2	镗头长 度 B	刀杆外径 φD1	重量 KGS
BT50-RBA19-LA-C-125L	BT50-LBK1-90L	RBA19-25-LA-C	19-25	82	LBK1	125	90	43	35	19	3.55
BT50-RBA19-LA-C-150L	BT50-LBK1-115L	RBA19-25-LA-C	19-25	107	LBK1	150	115	43	35	19	3.65
BT50-RBA19-LA-C-180L	BT50-LBK1-145L	RBA19-25-LA-C	19-25	137	LBK1	180	145	43	35	19	3.75
BT50-RBA19-LA-C-210L	BT50-LBK1-175L	RBA19-25-LA-C	19-25	167	LBK1	210	175	43	35	19	3.85
BT50-RBA25-LA-C-130L	BT50-LBK2-90L	RBA25-35-LA-C	25-35	87	LBK2	130	90	43	40	24	3.95
BT50-RBA25-LA-C-150L	BT50-LBK2-110L	RBA25-35-LA-C	25-35	107	LBK2	150	110	43	40	24	4.15
BT50-RBA25-LA-C-180L	BT50-LBK2-140L	RBA25-35-LA-C	25-35	137	LBK2	180	140	43	40	24	5.15
BT50-RBA25-LA-C-215L	BT50-LBK2-175L	RBA25-35-LA-C	25-35	172	LBK2	215	175	43	40	24	4.35
BT50-RBA32-LA-C-130L	BT50-LBK3-90L	RBA32-45-LA-C	32-45	87	LBK3	130	90	43	40	31	4.7
BT50-RBA32-LA-C-165L	BT50-LBK3-125L	RBA32-45-LA-C	32-45	122	LBK3	165	125	43	40	31	4.7
BT50-RBA32-LA-C-195L	BT50-LBK3-155L	RBA32-45-LA-C	32-45	152	LBK3	195	155	43	40	31	4.9
BT50-RBA32-LA-C-225L	BT50-LBK3-185L	RBA32-45-LA-C	32-45	182	LBK3	225	185	43	40	31	4.7
BT50-RBA32-LA-C-255L	BT50-LBK3-215L	RBA32-45-LA-C	32-45	212	LBK3	255	215	43	40	31	4.95
BT50-RBA40-LA-C-140L	BT50-LBK4-90L	RBA40-55-LA-C	40-55	97	LBK4	140	90	43	50	39	5.2
BT50-RBA40-LA-C-165L	BT50-LBK4-115L	RBA40-55-LA-C	40-55	122	LBK4	165	115	43	50	39	5.4
BT50-RBA40-LA-C-195L	BT50-LBK4-145L	RBA40-55-LA-C	40-55	152	LBK4	195	145	43	50	39	5.8
BT50-RBA40-LA-C-225L	BT50-LBK4-175L	RBA40-55-LA-C	40-55	182	LBK4	225	175	43	50	39	5.2
BT50-RBA40-LA-C-255L	BT50-LBK4-205L	RBA40-55-LA-C	40-55	212	LBK4	255	205	43	50	39	5.45
BT50-RBA40-LA-C-300L	BT50-LBK4-250L	RBA40-55-LA-C	40-55	257	LBK4	300	250	43	50	39	5.8
BT50-RBA40-LA-C-350L	BT50-LBK4-300L	RBA40-55-LA-C	40-55	307	LBK4	350	300	43	50	39	6.1
BT50-RBA40-LA-C-400L	BT50-LBK4-350L	RBA40-55-LA-C	40-55	357	LBK4	400	350	43	50	39	5.4
BT50-RBA52-LA-C-150L	BT50-LBK5-90L	RBA52-75-LA-C	52-75	107	LBK5	150	90	43	60	50	6.4
BT50-RBA52-LA-C-165L	BT50-LBK5-105L	RBA52-75-LA-C	52-75	122	LBK5	165	105	43	60	50	6.5
BT50-RBA52-LA-C-210L	BT50-LBK5-150L	RBA52-75-LA-C	52-75	167	LBK5	210	150	43	60	50	7
BT50-RBA52-LA-C-240L	BT50-LBK5-180L	RBA52-75-LA-C	52-75	197	LBK5	240	180	43	60	50	7.2
BT50-RBA52-LA-C-300L	BT50-LBK5-240L	RBA52-75-LA-C	52-75	257	LBK5	300	240	43	60	50	7.4
BT50-RBA52-LA-C-330L	BT50-LBK5-270L	RBA52-75-LA-C	52-75	287	LBK5	330	270	43	60	50	7.7
BT50-RBA52-LA-C-360L	BT50-LBK5-300L	RBA52-75-LA-C	52-75	317	LBK5	360	300	43	60	50	8
BT50-RBA52-LA-C-410L	BT50-LBK5-350L	RBA52-75-LA-C	52-75	367	LBK5	410	350	43	60	50	8.3
BT50-RBA68-LA-C-165L	BT50-LBK6-95L	RBA68-110-LA-C	68-110	122	LBK6	165	95	43	70	63	8.4
BT50-RBA68-LA-C-220L	BT50-LBK6-150L	RBA68-110-LA-C	68-110	177	LBK6	220	150	43	70	63	9
BT50-RBA68-LA-C-240L	BT50-LBK6-170L	RBA68-110-LA-C	68-110	197	LBK6	240	170	43	70	63	8.8
BT50-RBA68-LA-C-275L	BT50-LBK6-205L	RBA68-110-LA-C	68-110	232	LBK6	275	205	43	70	63	9.4
BT50-RBA68-LA-C-300L	BT50-LBK6-230L	RBA68-110-LA-C	68-110	257	LBK6	300	230	43	70	63	9.95
BT50-RBA68-LA-C-340L	BT50-LBK6-270L	RBA68-110-LA-C	68-110	297	LBK6	340	270	43	70	63	10.7
BT50-RBA68-LA-C-370L	BT50-LBK6-300L	RBA68-110-LA-C	68-110	327	LBK6	370	300	43	70	63	12
BT50-RBA68-LA-C-420L	BT50-LBK6-350L	RBA68-110-LA-C	68-110	377	LBK6	420	350	43	70	63	13.3
BT50-RBA68-LA-C-470L	BT50-LBK6-400L	RBA68-110-LA-C	68-110	427	LBK6	470	400	43	70	63	14.3
BT50-RBA68-LA-C-520L	BT50-LBK6-450L	RBA68-110-LA-C	68-110	477	LBK6	520	450	43	70	63	15.3
BT50-RBA110-LA-C-170L	BT50-BST-100L	RBA110-164-LA-C	110-164	127	BST	170	100	43	70	95	9.95
BT50-RBA110-LA-C-220L	BT50-BST-150L	RBA110-164-LA-C	110-164	177	BST	220	150	43	70	95	11.39
BT50-RBA110-LA-C-270L	BT50-BST-200L	RBA110-164-LA-C	110-164	227	BST	270	200	43	70	95	12.87
BT50-RBA110-LA-C-320L	BT50-BST-250L	RBA110-164-LA-C	110-164	277	BST	320	250	43	70	95	14.26
BT50-RBA110-LA-C-370L	BT50-BST-300L	RBA110-164-LA-C	110-164	327	BST	370	300	43	70	95	16.8
BT50-RBA110-LA-C-420L	BT50-BST-350L	RBA110-164-LA-C	110-164	377	BST	420	350	43	70	95	18.1
BT50-RBA110-LA-C-470L	BT50-BST-400L	RBA110-164-LA-C	110-164	427	BST	470	400	43	70	95	19.4
BT50-RBA110-LA-C-520L	BT50-BST-450L	RBA110-164-LA-C	110-164	477	BST	520	450	43	70	95	20.7
BT50-RBA110-LA-C-570L	BT50-BST-500L	RBA110-164-LA-C	110-164	527	BST	570	500	43	70	95	22
BT50-RBA160-LA-C-170L	BT50-BST-100L	RBA160-204-LA-C	160-204	127	BST	170	100	43	70	95	10.95
BT50-RBA160-LA-C-220L	BT50-BST-150L	RBA160-204-LA-C	160-204	177	BST	220	150	43	70	95	12.39
BT50-RBA160-LA-C-270L	BT50-BST-200L	RBA160-204-LA-C	160-204	227	BST	270	200	43	70	95	13.87
BT50-RBA160-LA-C-320L	BT50-BST-250L	RBA160-204-LA-C	160-204	277	BST	320	250	43	70	95	15.26
BT50-RBA160-LA-C-370L	BT50-BST-300L	RBA160-204-LA-C	160-204	327	BST	370	300	43	70	95	17.8
BT50-RBA160-LA-C-420L	BT50-BST-350L	RBA160-204-LA-C	160-204	377	BST	420	350	43	70	95	19.1
BT50-RBA160-LA-C-470L	BT50-BST-400L	RBA160-204-LA-C	160-204	427	BST	470	400	43	70	95	20.4
BT50-RBA160-LA-C-520L	BT50-BST-450L	RBA160-204-LA-C	160-204	477	BST	520	450	43	70	95	21.7
BT50-RBA160-LA-C-570L	BT50-BST-500L	RBA160-204-LA-C	160-204	527	BST	570	500	43	70	95	23

CK-BSA-45°盲孔粗镗刀头　CK-BSA-45°　BLIND HOLE ROUGH BORING

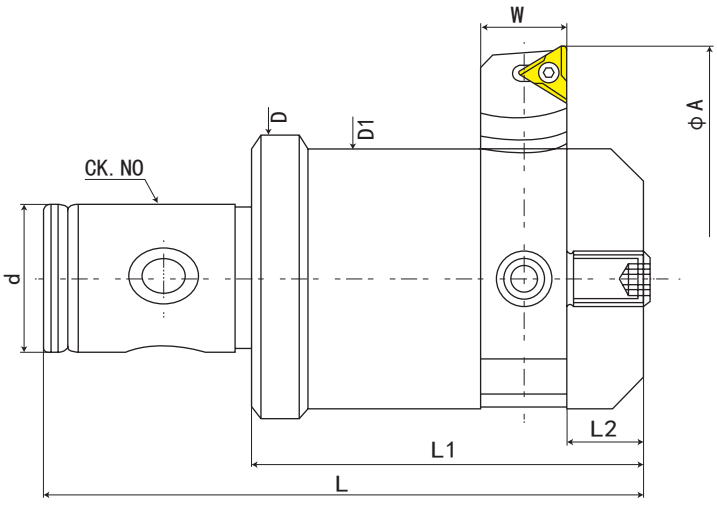




规格 / 型号 Model	CK.NO	镗孔范围 Boring Range		尺寸 Size							
		φA min	φA max	D	D1	d	L	L1	E	□ W	G
BSA30-CK2		30	42	24	24		40		1.6	8	M6*1.00P
BSA38-CK3		38	52	31	60		60		2.6	10	M8*1.25P
BSA50-CK4		50	65	42	40		70		3	13	M10*1.50P
BSA62-CK5		62	90	55	50		85		2	16	M12*1.75P
BSA72-CK6		72	110	63	60		98		2.4	19	M12*1.75P

CK-BSB-90° 通孔粗镗刀头　CK-BSB-90°　THROUGH HOLE ROUGH BORING





规格 / 型号 Model	CK.NO	镗孔范围 Boring Range		尺寸 Size							
		φA min	φA max	D	D1	d	L	L1	L2	□ W	G
BSB25-CK2		26	52	24	20		45			8	M6*1.00P
BSB38-CK3		38	70	31	30		55			10	M8*1.25P
BSB50-CK4		50	90	42	40		60			13	M10*1.50P
BSB62-CK5		62	115	55	50		70			16	M12*1.75P
BSB72-CK6		72	135	63	60		85			19	M12*1.75P