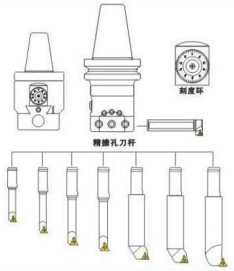
镗刀 C
BORING



NBH2084微调精镗孔系统
NBH2084 Fine-tune the Precision Boring System





型号 Designation	镗孔范围 Boring Range ΦD	调整精度 Tuning precision	调整行程 Stroke	重量 Weight (KG)
NBH2084	Φ8~Φ280	Φ0.01mm/格	28.0mm	3.0

型号 Designation	镗孔范围 Boring Range ΦD	尺寸 Dimension (mm) D	L1	L	适用刀片 Applicable inserts	螺钉 Clamp screw	扳手 Wrench	重量 Weight (KG)
SBJ-2008-32	8~11	20	32	80	TBGT0601..L	M2.0×5	T6	0.095
SBJ-2010-40	10~13		40	87				0.095
SBJ-2012-53	12~17		53	98	TPGH0902..L	M2.5×6	T8	0.12
SBJ-2016-68	16~21		68	110				0.16
SBJ-2020-83	20~130		83	123	TPGH1103..L	M3.0×7	T8	0.22
SBJ-2025-96	25~135		96	137				0.34
SBJ-203-115	30~140		115	152				0.54
SBJ-2020-L	120~280		84+BTL1	100				0.23

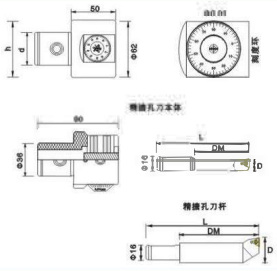
NBH2084 微调精镗孔系统（套装）
NBH2084 fine-tune the precision Boring System(Set)



型号 Designation	镗孔范围 Boring Range ΦD	主轴柄规格 Spinde handle models	镗头型号 Head NO	镗刀杆 Bar Keep out	重量 Weight (KG)
BT40-NBH2084-8P	08~280	BT40-NBH-50	NBH2084	SBJ-20..	9.5
BT50-NBH2084-8P	08~280	BT50-NBH-55		SBJ-20..	12.0
NT40-NBH2084-8P	08~280	NT40-NBH-50		SBJ-20..	9.3
NT50-NBH2084-8P	08~280	NT50-NBH-55		SBJ-20..	10.8
SK40-NBH2084-8P	08~280	SK40-NBH-50		SBJ-20..	9.5
SK50-NBH2084-8P	08~280	SK50-NBH-55		SBJ-20..	12.0
R8-NBH2084-8P	08~280	R8-NBH-50		SBJ-20..	10.0

NBJ16 微调精镗孔系统
NBJ16 Fine-tune the precision Boring System



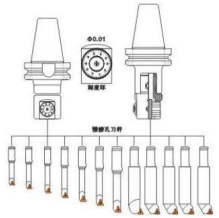


型号 Designation	镗孔范围 Boring Range ΦD	调整精度 Tuning precision	调整行程 Stroke	重量 Weight (KG)
SBJ16	Φ6~Φ51	Φ0.01mm/格	6.0mm	1.2

型号 Designation	镗孔范围 Boring Range ΦD	尺寸 Dimension (mm) D	L1	L	适用刀片 Applicable inserts	螺钉 Clamp screw	扳手 Wrench	重量 Weight (KG)
SBJ-1606-24	6~9	16	24	73	WBGT0601..L	M2×4	T6	0.014
SBJ-1608-32	8~11		32	80	TBGT0601..L	M2×5		0.077
SBJ-1610-40	10~13		40	87				0.082
SBJ-1612-53	12~15		53	98	TPGH0902..L	M2.5×6	T8	0.095
SBJ-1614-60	14~17		60	103				0.101
SBJ-1616-68	16~21		68	110				0.143
SBJ-1620-83	20~26		83	125	TPGH1103..L	M3.0×7	T8	0.203
SBJ-1625-90	25~31		90	128				0.275
SBJ-1630-90	30~36		90	128				0.275
SBJ-1635-90	35~41		90	128				0.280
SBJ-1640-90	40~46		90	128				0.286
SBJ-1645-90	45~51		90	128				0.211

NBJ16 微调精镗孔系统（套装）
NBJ16 fine-tune the Precision Boring System(set)





型号 Designation	镗孔范围 Boring Range ΦD	主轴柄规格 Spinde handle models	镗头型号 Head NO	镗刀杆 Bar Keep out	重量 Weight (KG)
BT40-NBJ16-12P	6~51	BT40-CK6-55	NBJ16	SBJ-16..	9.1
BT50-NBJ16-12P	6~51	BT50-CK6-65		SBJ-16..	11.7
NT40-NBJ16-12P	6~51	NT40-CK6-55		SBJ-16..	8.5
NT50-NBJ16-12P	6~51	NT50-CK6-65		SBJ-16..	10.3
SK40-NBJ16-12P	6~51	SK40-CK6-55		SBJ-16..	8.9
SK50-NBJ16-12P	6~51	SK50-CK6-65		SBJ-16..	10.5

EMA 微调精镗头
EMA Fine tuning boring head

镗口范围Φ15.9~Φ180.5
Boring range Φ15.9~Φ180.5





Fig.1

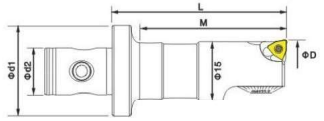


Fig.2

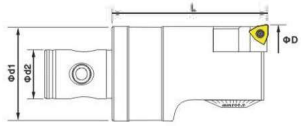
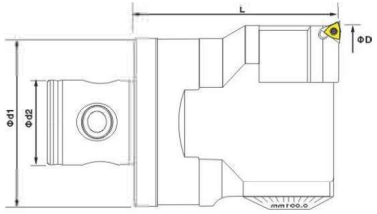


Fig.3



型号 Designation	镗孔范围 Boring Range ΦD	尺寸 Dimension (mm)					适用刀片 Applicable inserts	Fig	重量 Weight (KG)
		CK NO	d1	d2	L	M			
EMA16-55-CK1	15.9~20.2	CK1	19	11	55	48	TBGT0601□□L	1	0.08
EMA20-40-CK1	19.8~25.2	CK1	19	11	40	--		2	0.09
EMA25-40-CK2	24.8~32.2	CK2	24	14	40	--			0.13
EMA32-55-CK3	31.8~42.2	CK3	32	18	55	--	TPGT0802□□L	2	0.31
EMA42-70-CK4	41.8~55.2	CK4	39	22	70	--	TPGT1103□□L		0.63
EMA55-70-CK5	54.8~70.2	CK5	49	28	70	--		3	1.06
EMA70-70-CK6	69.8~85.2	CK6	62	36	70	--			2.10
EMA85-100-CK6	84.8~100.2	CK6	62	36	100	--			2.9
EMA100-100-CK7	99.5~140.5	CK7	83	42	100	--			4.3
EMA140-100-CK7	139.5~180.5	Ck7	83	42	100	--			5.1

- EMA精镗刀头适用于精切削搪孔，工作范围16~180均可搭配选用。
- 16~32：调整刻度为圆周50等分，每格调整尺寸为半径0.01mm。
- 32~180：调整刻度为圆周100等分，每格调整尺寸为半径0.005mm。
- 精密导程螺丝位于内部，不受切屑、磨耗、生锈等影响，具有内部润滑，精准耐用。
- 内藏式水孔，刀尖直接冷却，刀片寿命长。
- 调整伸缩部为方型结构，双支撑面固定，所以切削稳固且刚性大。

- EMA boring cutter head for precision cutting boring mills,the working range of 16 to 180 are available with a choice.
- 16~32: Adjusting the scale for the circumference of 50 equal portions,each grid resize diameter 0.01mm.
- 32~180:Adjusting the scale for the circumference of 100 equel portions,each grid resize diameter 0.005mm.
- Precise lead screw in the interior,form chip,wear,rust and other effects of an internal lubrication,precise and durable.
- Built-in water hole,tip the direct cooling,blade long life.
- Adjust the telescopic structure of the Department for aquare,pairs of support surface is fixed,so cutting a solid and rigid.

BT-EMA 精镗刀
BT-EMA fine boring arbor



Fig.1

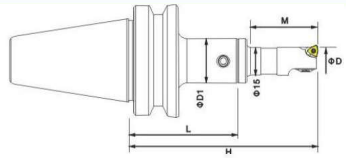


Fig.3

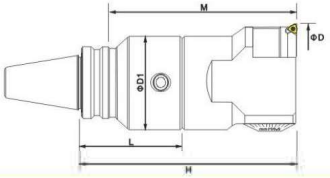
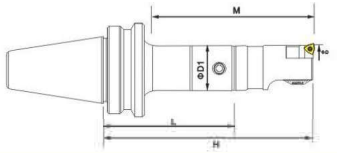


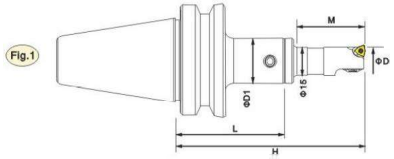
Fig.2

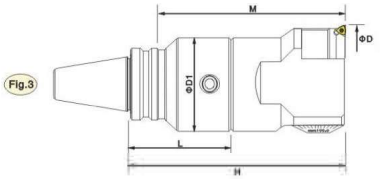


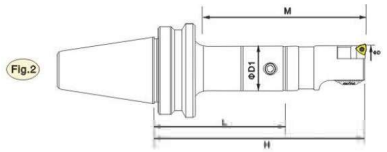
型号 Designation		镗孔范围 Boring Range ΦD	有效深度 Boring depth M	组合内容 Modular content 主轴柄 Holder	精镗头 Boring heads	Fig.	接口型号 CK Number	尺寸 Dimension (mm) H	L	D1	重量 Weight (KG)
BT30	EMA16-125	15.9~20.2	48	BT30-CK1-70	EMA16-55-CK1	1	CK1	70	125	19	0.55
	EMA20-110	19.8~25.2	85	BT30-CK1-70	EMA20-40-CK1	2	CK1	70	110	19	0.56
	EMA25-120	24.8~32.2	95	BT30-CK2-80	EMA25-40-CK2	2	CK2	80	120	24	0.61
	EMA32-135	31.8~42.2	110	BT30-CK3-80	EMA32-55-CK3	2	CK3	80	135	31	0.74
	EMA42-130	41.8~55.2	105	BT30-CK4-60	EMA42-70-CK4	2	CK4	60	130	39	1.19
	EMA55-130	54.8~70.2	108	BT30-CK5-60	EMA55-70-CK5	2	CK5	60	130	49	1.73
BT40	EMA16-130	15.9~20.2	90	BT40-CK1-75	EMA16-55-CK1	1	CK1	75	130	19	1.14
	EMA16-170	15.9~20.2	110	BT40-CK1-115	EMA16-55-CK1	1	CK1	115	170	19	1.17
	EMA20-115	19.8~25.2	85	BT40-CK1-75	EMA20-40-CK1	2	CK1	75	115	19	1.16
	EMA20-145	19.8~25.2	125	BT40-CK1-115	EMA20-40-CK1	2	CK1	115	155	19	1.24
	EMA25-125	24.8~32.2	95	BT40-CK2-85	EMA25-40-CK2	2	CK2	85	125	24	1.2
	EMA25-160	24.8~32.2	130	BT40-CK2-120	EMA25-40-CK2	2	CK2	120	160	24	1.28
	EMA32-150	31.8~42.2	120	BT40-CK3-95	EMA32-55-CK3	2	CK3	95	150	31	1.55
	EMA32-200	31.8~42.2	170	BT40-CK3-145	EMA32-55-CK3	2	CK3	145	200	31	1.72
	EMA42-155	41.8~55.2	120	BT40-CK4-85	EMA42-70-CK4	2	CK4	85	155	39	1.78
	EMA42-205	41.8~55.2	175	BT40-CK4-135	EMA42-70-CK4	2	CK4	135	205	39	2.66
	EMA55-175	54.8~70.2	120	BT40-CK5-105	EMA55-70-CK5	2	CK7	105	175	49	2.84
	EMA55-235	54.8~70.2	175	BT40-CK5-165	EMA55-70-CK5	2	CK5	165	235	49	4.36
	EMA70-135	69.8~85.2	105	BT40-CK6-65	EMA70-70-CK6	3	CK5	65	135	62	2.47
	EMA70-185	69.8~85.2	155	BT40-CK6-115	EMA70-70-CK6	3	CK6	115	185	62	3.22
	EMA70-235	69.8~85.2	205	BT40-CK6-165	EMA70-70-CK6	3	CK6	165	235	62	3.97
	EMA85-185	84.8~100.2	185	BT40-CK6-115	EMA85-100-CK6	3	CK6	115	185	62	4.26
	EMA85-235	84.8~100.2	235	BT40-CK6-165	EMA85-100-CK6	3	CK6	165	235	62	5.01
	EMA100-190	99.5~140.5	163	BT40-CK7-90	EMA100-100-CK7	3	CK7	90	190	83	6.96
	EMA140-190	139.5~180.5	163	BT40-CK7-90	EMA140-100-CK7	3	CK7	90	190	83	7.76

BT-EMA精镗刀
BT-EMA Fine boring arbor

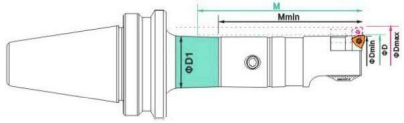








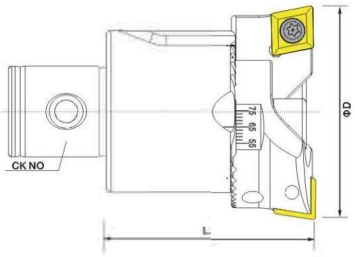
型号 Designation		镗孔范围 Boring Range ΦD	有效深度 Boring depth M	组合内容 Modular content 主轴柄 Holder	精镗头 Boring heads	Fig	接口型号 CK Number	尺寸 Dimension (mm) H	L	D1	重量 Weight (KG)
BT50	EMA16-170	15.9~20.2	48	BT50-CK1-115	EMA16-55-CK1	1	CK1	170	115	19	3.84
	EMA20-155	19.8~25.2	80	BT50-CK1-115	EMA20-40-CK1	2	CK1	155	115	19	3.85
	EMA20-185	19.8~25.2	110	BT50-CK1-145	EMA20-40-CK1	2	CK1	185	145	19	3.97
	EMA25-150	24.8~32.2	120	BT50-CK2-110	EMA25-40-CK2	22	CK2	150	110	24	3.94
	EMA25-180	24.8~32.2	150	BT50-CK2-140	EMA25-40-CK2	2	CK2	180	140	24	4.18
	EMA32-190	31.9~42.2	145	BT50-CK3-135	EMA32-55-CK3	2	CK3	190	135	31	4.17
	EMA32-230	31.9~42.2	185	BT50-CK3-175	EMA32-55-CK3	2	CK3	230	175	31	4.45
	EMA42-195	41.8~55.2	155	BT50-CK4-125	EMA42-70-CK4	2	CK4	195	125	39	4.68
	EMA42-255	41.8~55.2	215	BT50-CK4-185	EMA42-70-CK4	2	CK4	255	185	39	5.20
	EMA55-210	54.8~70.2	170	BT50-CK5-140	EMA55-70-CK5	2	CK5	210	140	49	5.22
	EMA55-280	54.8~70.2	240	BT50-CK5-210	EMA55-70-CK5	2	CK5	280	210	49	6.66
	EMA70-165	69.8~85.2	125	BT50-CK6-95	EMA70-70-CK6	2	CK6	165	95	62	6.55
	EMA70-240	69.8~85.2	180	BT50-CK6-170	EMA70-70-CK6	2	CK6	240	170	62	7.79
	EMA70-300	69.8~85.2	260	BT50-CK6-230	EMA70-70-CK6	2	CK6	300	230	62	8.21
	EMA85-195	84.8~100.2	155	BT50-CK6-95	EMA85-100-CK6	2	CK6	195	95	62	7.35
	EMA85-270	84.8~100.2	210	BT50-CK6-170	EMA85-100-CK6	2	CK6	270	170	62	8.59
	EMA85-300	84.8~100.2	290	BT50-CK6-230	EMA85-100-CK6	2	CK6	330	230	62	9.01
	EMA100-205	99.5~140.5	165	BT50-CK7-105	EMA100-100-CK7	2	CK7	205	105	83	9.64
	EMA100-285	99.5~140.5	245	BT50-CK7-185	EMA100-100-CK7	2	CK7	285	185	83	13.2
	EMA100-300	99.5~140.5	310	BT50-CK7-250	EMA100-100-CK7	2	CK7	350	250	83	14.5
	EMA140-205	139.5~180.5	165	BT50-CK7-105	EMA140-100-CK7	2	CK7	205	105	83	10.4
	EMA140-285	139.5~180.5	245	BT50-CK7-185	EMA140-100-CK7	2	CK7	285	185	83	13.9
	EMA140-350	139.5~180.5	310	BT50-CK7-250	EMA140-100-CK7	2	CK7	350	250	83	15.2



EMR段差式双刃粗搪头（角度段差型）
EMR Drop height double cutter boring head（angle drop height type）

加工范围 Φ25–Φ204
Processing range Φ25–Φ204





型号 Designation	镗孔范围 Boring Range ΦD	尺寸 Dimension (mm) CK NO	L	适用刀片 Applicable inserts	螺钉 Clamp screw	扳手 Wrench	重量 Weight (KG)
EMR25-50-CK2	25~35	CK2	50	CCMT060204	M2.5X6	T8	0.13
EMR32-60-CK3	32~45	CK3	60				0.27
EMR40-74-CK4	40~55	CK4	74	CCMT09T308	M4X10	T15	0.51
EMR52-80-CK5	52~75	CK5	80	CCMT120408	M5X11	T20	0.80
EMR68-90-CK6	68~100	CK6	90				1.12
EMR90-100-CK6	90~130	CK6	100				2.21
EMR120-95-BST	120~164	BST	95				2.93
EMR160-95-BST	160~204	BST	95				4.12

- 适用于大切削量粗搪，段差切削更利于断屑以及减少切削工时。
- 比通用型更耐用更经济（刀片可用4个角），强烈推荐在搪削不需清直角的盲孔及通孔时使用。
- 小刀夹加厚设计，在小径粗搪或小刀夹伸出量较大时也能无振动、稳定加工。
- 同一搪头本体只要更换不同的小刀夹，就可以适应通孔，盲孔，段差等不同的加工形态。
- Suitable for large cutting the amount of coarse sugar,Duan difference is more conducive to cutting off chip and to reduce the cutting working hours.
- More durable than the general-purpose and more economical (blades are available 4 angle) , it is strongly recommended to keep out without clear cut rectangular and through-hole use.
- Knife folder thicker design,rough trails extending the amount of sugar or a knife folder can also be no larger vibration and stable machining.
- The same sugar as long as the first body of the knife switch to a different folder,you can adopt to through-hole,blind hole,and poor segment of the processing of diffe.....

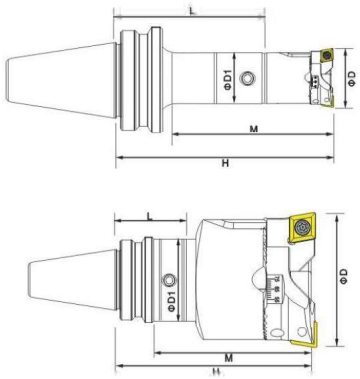
刀片需单独订购
Blade must be ordered separately

适用单刃搪孔，双刃搪孔及高低偿搪孔。
搪孔范围：25~204mm。
新型刀刃滑座设计，刀背铺强。加工时，滑座曾受的两个作用力相互抵消，产生最大刚性和切削力，适用个形态的搪孔作业。
可依照不同加工要求，轻易调整镗刀，做少量多样的加工。加工深度可配合延长杆至所需长度。
清晰地侧边刻度，协助使用者轻易调整到所需的孔径范围。
适合在各型切削中心机和镗床上配合使用。并可配合各种品牌规格相同的刀片。
即省刀具研磨时间并大幅度增加搪孔效率。
高低断差设计，平刃高低刃均可采用。
直径120以上大孔径镗刀，使用直接组件，结构简单刚性强。

For a single edge boring mills,double-edged holes and high-sugar low-sugar hole.
Boring range:25~204mm.
Slide the new blade design,knife blade reinforcement. Longer working hours and slide the two forces cancel each other who have been to produce the greates and cutting force,applicable to all forms of sugar-hole operations.
In accordance with different processing requirements can be easily adjust the boring knife,make a small amount of diverse processing.Machining depth can be with the rod to the required length.
Clear side of the scale,to help users easily adjust to the desired aperture range.
Suitable for all types of machining centers machine or boring mills used in conjunction with a variety of brands can be the same size blade.
Save time and a substantial increase in tool grinding efficiency of sugar hole.
Poor design of high and low cut,flat-blade or high or low edge can be used.
Diameter of more than 120 large aperture boring cutter,using a direct component,simple structure and rigid.

BT-EMR 粗镗刀
BT-EMR Ough boring arbor

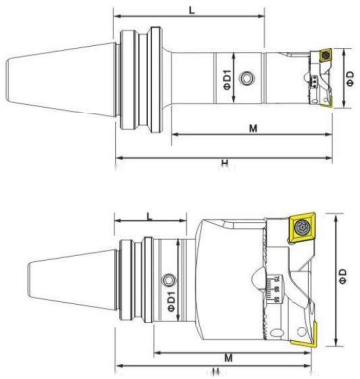




型号 Designation		镗孔范围 Boring Range ΦD	有效深度 Boring depth M	组合内容 Modular content 主轴柄 Holder	组合内容 Modular content 精镗头 Boring heads	接口型号 CK Number	尺寸 Dimension (mm) H	L	D1	重量 Weight (KG)
BT30	EMR25-130	25~35	105	BT30-CK2-80	EMA25-50-CK2	CK2	130	80	24	0.61
	EMR32-140	32~45	115	BT30-CK3-80	EMR32-60-CK3	CK3	140	80	31	0.74
	EMR40-134	40~55	110	BT30-CK4-60	EMR40-74-CK4	CK4	134	60	39	1.07
	EMR52-140	52~75	118	BT30-CK5-60	EMR52-80-CK5	CK5	140	60	49	1.47
BT40	EMR25-135	25~35	105	BT40-CK2-85	EMR25-50-CK2	CK2	135	85	24	1.20
	EMR25-170	25~35	145	BT40-CK2-120	EMR25-50-CK2	CK2	170	120	24	1.39
	EMR32-155	32~45	125	BT40-CK3-95	EMR32-60-CK3	CK3	155	95	31	1.33
	EMR32-205	32~45	175	BT40-CK3-145	EMR32-60-CK3	CK3	205	145	31	1.68
	EMR40-160	40~55	125	BT40-CK4-85	EMR40-74-CK4	CK4	160	85	39	2.04
	EMR40-210	40~55	180	BT40-CK4-135	EMR40-74-CK4	CK4	210	135	39	2.54
	EMR52-185	52~75	155	BT40-CK5-105	EMR52-80-CK5	CK5	185	105	49	2.58
	EMR52-245	52~75	215	BT40-CK5-165	EMR52-80-CK5	CK5	245	165	49	3.30
	EMR58-155	68~100	125	BT40-CK6-65	EMR68-90-CK6	CK6	155	65	62	2.79
	EMR68-205	68~100	175	BT40-CK6-115	EMR68-90-CK6	CK6	205	115	62	3.58
	EMR68-255	68~100	225	BT40-CK6-165	EMR68-90-CK6	CK6	255	165	62	4.60
	EMR90-165	90~130	135	BT40-CK6-65	EMR90-100-CK6	CK6	165	65	62	3.58
	EMR90-215	90~130	185	BT40-CK6-115	EMR90-100-CK6	CK6	215	115	62	4.37
	EMR90-265	90~130	235	BT40-CK6-165	EMR90-100-CK6	CK6	265	165	62	5.39
	EMR120-165	120~164	130	BT40-BST-70	EMR120-95-BST	BST	165	70	95	4.35
	EMR160-165	160~204	130	BT40-BST-70	EMR160-95-BST	BST	165	70	95	5.49

BT-EMR 粗镗刀
BT-EMR Ough boring arbor





型号 Designation		镗孔范围 Boring Range ΦD	有效深度 Boring depth M	组合内容 Modular content 主轴柄 Holder	组合内容 Modular content 精镗头 Boring heads	接口型号 CK Number	尺寸 Dimension (mm) H	L	D1	重量 Weight (KG)
BT50	EMR25-160	25~35	130	BT50-CK2-110	EMR25-50-CK2	CK2	160	110	24	3.94
	EMR25-190	25~35	160	BT50-CK2-140	EMR25-50-CK2	CK2	190	140	24	4.32
	EMR32-195	32~45	150	BT50-CK3-135	EMR32-60-CK3	CK3	195	135	31	4.13
	EMR32-235	32~45	190	BT50-CK3-175	EMR32-60-CK3	CK3	235	175	31	4.41
	EMR40-200	40~55	160	BT50-CK4-125	EMR40-74-CK4	CK4	200	125	39	4.56
	EMR40-260	40~55	220	BT50-CK4-185	EMR40-74-CK4	CK4	260	185	39	5.08
	EMR52-220	52~75	180	BT50-CK5-140	EMR52-80-CK5	CK5	220	140	49	4.96
	EMR52-290	52~75	250	BT50-CK5-210	EMR52-80-CK5	CK5	290	210	49	6.40
	EMR68-185	68~100	145	BT50-CK6-95	EMR68-90-CK6	CK6	185	95	62	5.87
	EMR68-260	68~100	200	BT50-CK6-170	EMR68-90-CK6	CK6	260	170	62	7.11
	EMR68-320	68~100	280	BT50-CK6-230	EMR68-90-CK6	CK6	320	230	62	7.53
	EMR90-195	90~130	155	BT50-CK6-95	EMR90-100-CK6	CK6	195	95	62	6.65
	EMR90-270	90~130	210	BT50-CK6-170	EMR90-100-CK6	CK6	270	170	62	7.90
	EMR90-330	90~130	290	BT50-CK6-230	EMR90-100-CK6	CK6	330	230	62	8.33
	EMR120-195	120~164	155	BT50-BST-100	EMR120-95-BST	BST	195	100	95	7.38
	EMR120-245	120~164	205	BT50-BST150	EMR120-95-BST	BST	245	150	95	8.63
	EMR120-295	120~164	255	BT50-BST-200	EMR120-95-BST	BST	295	200	95	9.04
	EMR120-345	120~164	305	BT50-BST-250	EMR120-95-BST	BST	345	250	95	9.98
	EMR120-395	120~164	365	BT50-BST300	EMR120-95-BST	BST	395	300	95	11.72
	EMR160-195	160~204	155	BT50-BST-100	EMR160-95-BST	BST	195	100	95	8.57
	EMR160-245	160~204	205	BT50-BST150	EMR160-95-BST	BST	245	150	95	9.81
	EMR160-295	160~204	255	BT50-BST-200	EMR160-95-BST	BST	295	200	95	10.23
	EMR160-345	160~204	305	BT50-BST-250	EMR160-95-BST	BST	345	250	95	10.98
	EMR160-395	160~204	365	BT50-BST300	EMR160-95-BST	BST	395	300	95	12.31