



FW80型、F11系列万能分度头

FW80、F11 SERIES UNIVERSAL DIVIDING HEAD

- ◆ FW80,F11100A,F11125A,F11160A型万能分度头是铣床上的主要附件之一，利用分度刻度环和游标，定位销和分度盘以及交换齿轮，能将装在顶尖间或卡盘上的工件分成任意角度，可将圆周分成任意等份，辅助机床利用各种不同形状的刀具进行各种沟槽、正齿轮、螺旋正齿轮、螺旋线凸轮等的加工工作。
- ◆ 该产品还备有圆工作台，将它安装在分度头主轴上，工件可直接紧固在工作台上，也可利用装在工作台上的夹具紧固，可完成工件多方位加工。
- ◆ F11125C、F11160C型万能分度头，是根据用户要求特殊订货的产品。本产品是在F11125A,F11160A型万能分度头的基础上进行了改进，能承受较大负荷。
- ◆ F11100A L、F11125A L、F11160A L型万能分度头，与FW80一样，分度手把为左置。

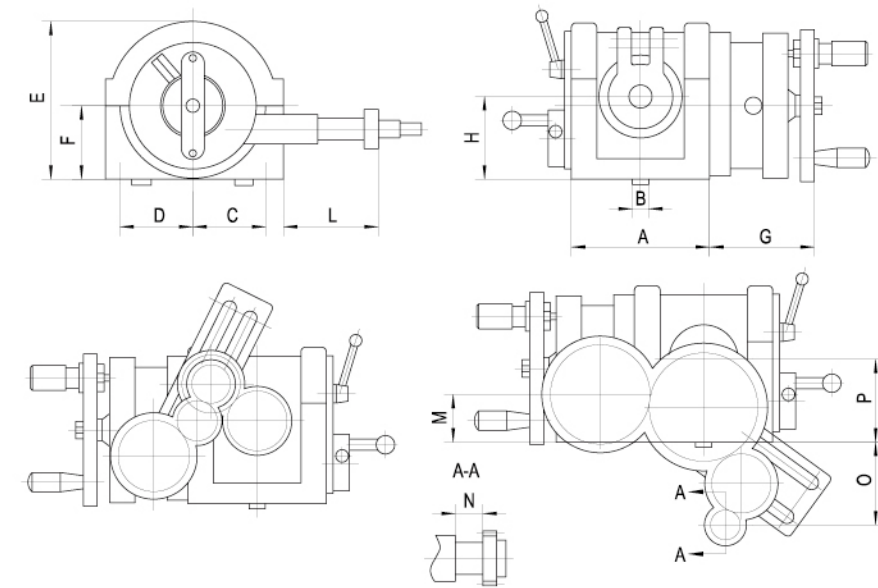
- ◆ The universal dividing head,Type FW80,F11100A,F11125A,F11160A is one of the most important attachment for milling machine. With the help of this dividing head,the workpiece held between centers,or on a chuck can be rotate to any angle as desired and the periphery of a workpiece can be divided into any divisions of equal parts.By means of all kinds of cutters,the dividing head can also help milling machine to perform the milling operation for flute,spur gear,spiral flute,Archimedean cam,helical flute and etc.
- ◆ The dividing head is equipped with a face plate that can be mounted onto the spindle nose.The workpiece can be mounted on the face plate,thus,cutting can be carried out on 4-sides of a workpiece.
- ◆ F11125C F11160C is designed for the consumers special needed,the shafting is improved to support heavy load.
- ◆ The universal dividing head,type F11100AL、F11125AL、F11160AL is the same as FW80 of the structures,and the operation handle is setted on the left.

主要规格和参数: Main specifications

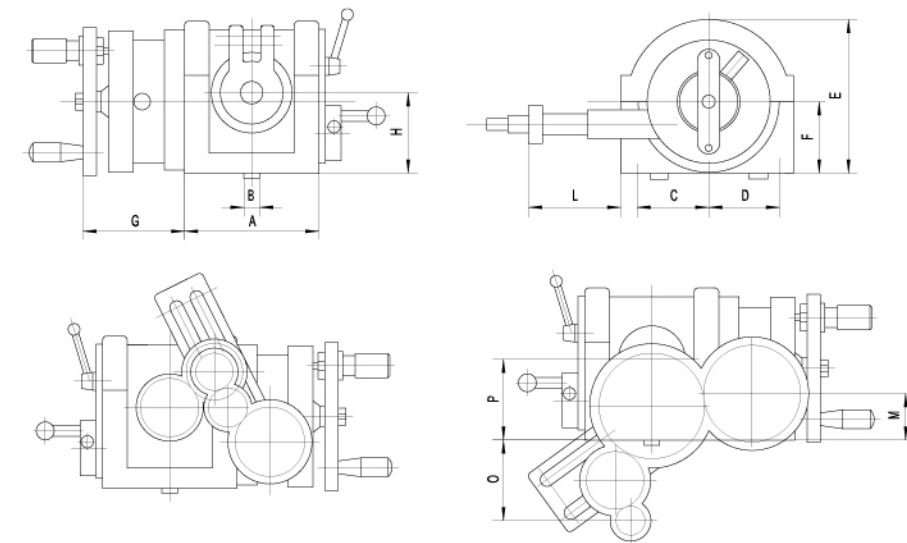
项目Items		规格Specifications		FW80	F11100A	F11125A	F11160A	F11200A
中心高 Center height mm				80	100	125	160	200
主轴由水平位置向上转动的角度 Swivel angle of spindle from it horizontal position(upward)				≤90°	≤95°			
主轴由水平位置向下转动的角度 Horizontal position(downward)				≤6°	≤5°			
分度手轮每转主轴回转角度 Rotating angle of spindle for one complete revolution of dividing handle				9°(540 grad., 1'each)				
游标最小示值 Min. reading of vernier				10"				
蜗杆副传动比 Worm gear ratio				1:40				
主轴孔锥度(莫氏) Taper of spindle bore				MT3		MT4		MT4
定位键宽度 Width of locating key,mm				14		18		22
主轴法兰盘定短锥直径 Diameter of short taper of spindlenose for mouning flange mm				Φ36.541	Φ41.275	Φ53.975	Φ53.975	Φ53.975
分度盘孔数 Hole numbers on index plate	A盘 A plate	24,25,28,30,34,37,38,39,41,42,43						
	B盘 B plate	46,47,49,51,53,54,57,58,59,62,66						
变换齿轮 Change Gear	模数 Module			1.5		2		
	齿数 Teeth Numbers			25,30,35,40,50,55,60,70,80,90,100				
分度手柄一整转主轴单个分度误差 Individual indexing error of the spindle for one complete revolution of dividing handle				60"		±45"		
主轴在任意1/4圆周上的累积误差 Cumulate error at any 1/4 periphery of spindle				±1'				
最大承载 Max.bearing Kg				80	100	130	130	130
净重 Net weight Kg				36	(63)67	(104)110	(120)130	135
毛重 Gross weight Kg				45	(75)79	(120)126	(139)149	155
箱体尺寸 Case dimensions mm				542×403×220	616×465×265	635×530×310	710×535×342	748×593×383

* 括号内为内销产品重量，括号外为出国带花盘产品重量

F11系列万能分度头安装尺寸图 Dimensional sketch



FW80系列万能分度头安装尺寸图 Dimensional sketch



FW80型、F11系列半万能分度头安装尺寸参数Installation sketch and dimensions:

	A	B	C	D	E	F	G	H	L	M	N	O	P
FW80	139	14	77	73	147	77	98	80	106	43	30	60	80
F11100A	162	14	102	87	186	95	116	100	93	54.7	30	100	100
F11125A	209	18	116	98	224	117	120	125	103	68.5	34.5	100	125
F11160A	209	18	116	98	259	152	120	160	103	68.5	34.5	100	160
F11200A	209	22	116	98	300	192	120	200	103	108.5	34.5	100	200

注: 配带附件Accessories

尾座Tailstock 挂轮架Change gear bracket 交换齿轮12件Change gears Qty.12 千斤顶Jack
顶尖Center 拨叉Carrier 分度盘Hole plate 法兰盘Flange 三爪卡盘3-jaw chuck
圆工作台 (特殊订货) face plate(Optional)



FB80型、F12系列半万能分度头

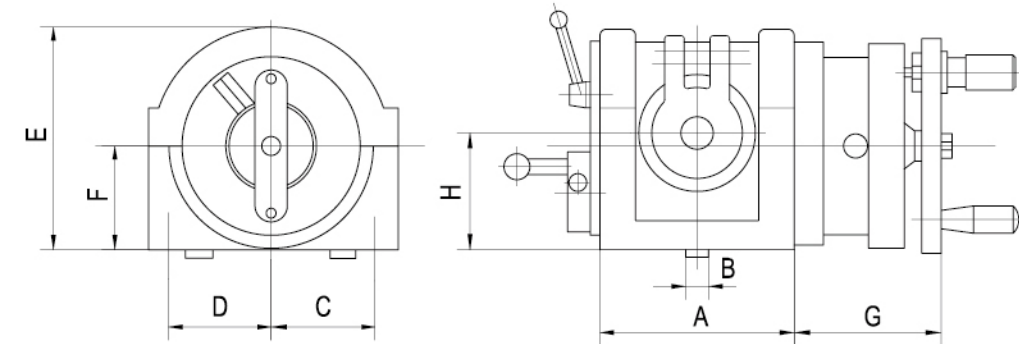
FB80、F12 SERIES SEMI-UNIVERSAL DIVIDING HEAD

- ◆FB80型、F12系列半万能分度头是铣床上的主要附件之一，可用于简单分度，也可完成将圆周分成任意等份的加工工作。
- ◆FB80、F12...L型为左手把，F12系列为右手把。
- ◆Type F12 series and FB80, the semi-universal dividing head, is one of the most important attachment for milling machine. With the help of this dividing head, the workpiece can be carried out direct indexing and simple indexing, or rotate to any angle as desired and the periphery of a workpiece can be divided into any divisions of equal parts and etc.
- ◆The operation handle of type FB80 F12...L is set on the left, the F12 series is on the right.

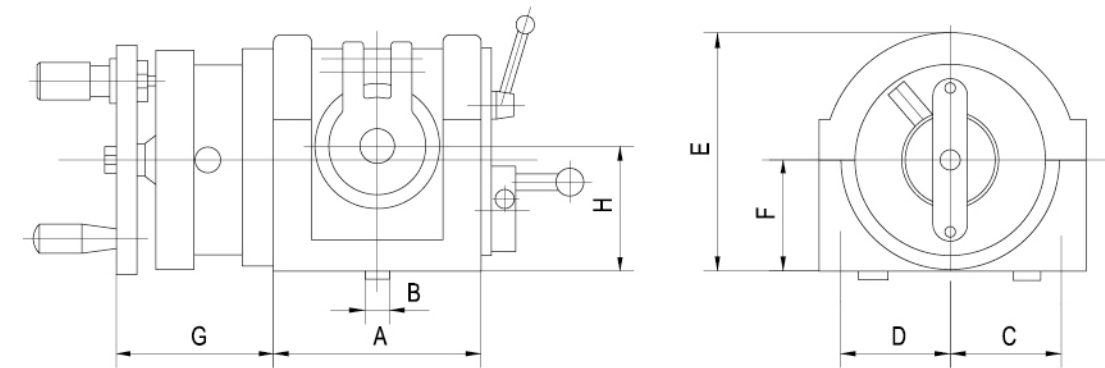
主要规格和参数: Main specifications

项目Items		规格Specifications		FB80	F12100	F12125	F12160	F12200	F12250
中心高 Center height mm				80	100	125	160	200	250
主轴由水平位置向上转动的角度 Swivel angle of spindle from its horizontal position(upward)				≤90°	≤95°				
主轴由水平位置向下转动的角度 Horizontal position(downward)				≤6°	≤5°				
分度手轮每转主轴回转角度 Rotating angle of spindle for one complete revolution of dividing handle				9°(540 grad.,1'each)					
游标最小示值 Min. reading of vernier				10"					
蜗杆副传动比 Worm gear ratio				1:40					
主轴孔锥度(莫氏) Taper of spindle bore				MT3		MT4		MT5	
定位键宽度 Width of locating key mm				14		18		22	
主轴法兰盘定短锥直径 Diameter of short taper of spindlenose for mouning flange mm				Φ36.541	Φ41.275	Φ53.975		Φ82.563	
分度盘孔数 Hole numbers on index plate		A盘 A plate	24,25,28,30,34,37,38,39,41,42,43						
		B盘 B plate	46,47,49,51,53,54,57,58,59,62,66						
分度手柄一整转主轴单个分度误差 Individual indexing error of the spindle for one complete revolution of dividing handle				60"	±45"				
主轴在任意1/4圆周上的累积误差 Cumulate error at any 1/4 periphery of spindle				70"	±1'				
最大承载 Max.bearing Kg				80	100	130	130	200	200
净重 Net weight Kg				26	57	83.5	100	265	334
毛重 Gross weight Kg				32	69	96	114	319	385
箱体尺寸 Case dimensions mm				480×360×219	610×459×255	536×460×310	710×505×342	1015×740×530	1055×740×530

F12系列半万能分度头安装尺寸图 Dimensional sketch



FB80型半万能分度头安装尺寸图 Dimensional sketch



FB80型、F12系列半万能分度头安装尺寸参数 Installation sketch and dimensions:

	A	B	C	D	E	F	G	H
FB80	139	14	77	73	147	77	78	80
F12100	162	14	102	87	186	95	116	100
F12125	209	18	116	98	224	117	120	125
F12160	209	18	116	98	259	152	120	160
F12200	323	22	181	145	355	190	171	200
F12250	323	22	181	145	405	240	171	250

注: 配带附件Accessories

尾座Tailstock 千斤顶Jack 顶尖Center 拨叉Carrier 分度盘Hole plate
法兰盘Flange 三爪卡盘3-jaw chuck 圆工作台(特殊订货) face plate(Optional)

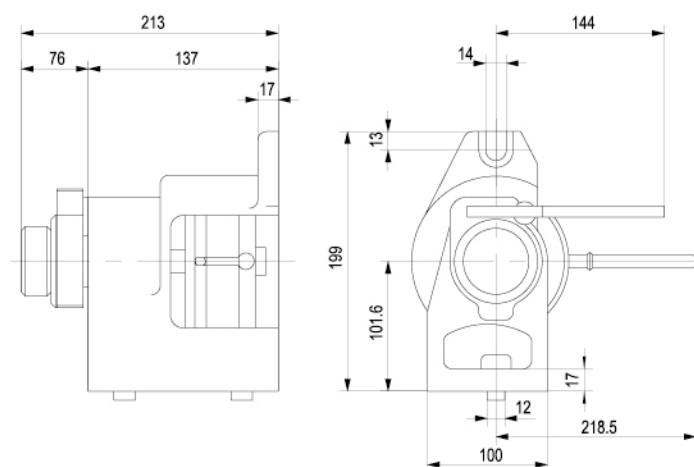


FNL100B型立卧等分分度头

FNL100B HORIZONTAL VERTICAL COLLET INDEX

- ◆ FNL100B立卧等分分度头可安装在铣、磨、钻及其它各种机床上，协助机床完成2、3、4、6、8、12、24七种等分的分度加工。亦可用于对零件进行等分划线工作。该装置体积小、重量轻，可安装5C弹簧夹头。
- ◆ FNL 100B can be mounted on milling machine, grinding machine, drilling machine and other machine tools. The divisions of 2, 3, 4, 6, 8, 12, and 24 can be divided. It can also be used for marking out of components. This index has the advantage of use in horizontal and vertical, compact construction, light in weight, operating by single handle. It can accept a 5C collet. Consequently, it is a reliable device for enhancing work efficiency.

FNL100B型立卧等分分度头安装尺寸图Dimensional sketch



注：配带附件Accessories
内六方扳手(4mm、8mm各1件)
Socket hexagon

主要规格和参数：Main specifications

项目Items	规格Specifications	FNL100B
中心高 Center height mm		101.6
主轴内孔直径 Min.ID of spindle mm		Φ31.75
可分等分数 Divisions		2、3、4、6、8、12、24
主轴头螺纹 Spindle screw		2 1/4 × 8
可配弹簧夹头 Collet		5C
每个间隔分度误差 Dividing accuracy: individual spacing error		±3'
净重 Net weight Kg		12
毛重 Gross weight Kg		15
箱体尺寸 Case dimensions mm		284×250×260

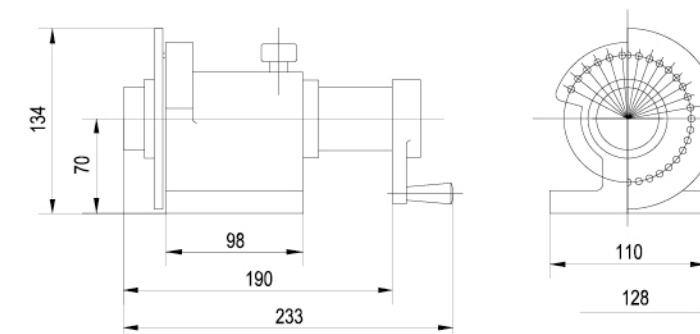


F1-5C型旋转分度装置

TYPE F1-5C INDEX

- ◆ F1-5C分度装置的主轴孔可安装5C弹簧夹头，适用于铣床、磨床、钻床等机床上进行分度工作，可分等分数为2、3、4、6、9、12、18、36，还可采用分度盘和本体上的游标孔来完成1°~360°范围内最小间隔为1°的分度工作。其结构简单，操作方便，性能稳定。
- ◆ This dividing device is suitable for milling, grinding and drilling machines. It is simple in construction, easy in operation, and reliable. It not only can divide 2, 3, 4, 6, 9, 12, 18, 36 divisions, but also utilize the dividing plate and vernier hole on the body, the divisions from 1° to 360° which min. space is 1° can be made.

F1-5C型旋转分度装置安装尺寸图Dimensional sketch



主要规格和参数：Main specifications

项目Items	规格Specifications	F1-5C
中心高 Center height mm		70
主轴内孔直径 Min.ID of spindle mm		Φ31.75
可分等分数 Divisions		2、3、4、6、9、12、18、36
最小分度值 Min.dividing angle		1°
最小刻度值 Min.graduated value		5°
可配弹簧夹头 Collet		5C
每个分度误差 Individual spacing error		±4'
净重 Net weight Kg		7
毛重 Gross weight Kg		8
箱体尺寸 Case dimensions mm		284×184×193



F2、F2-6型立卧等分分度头

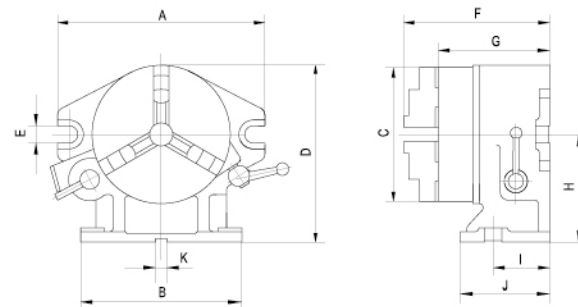
TYPE F2、F2-6 SUPER SPACER

- ◆ F2、F2-6等分分度头是立卧式的，主轴可与机床工作台成水平与垂直两种情况下使用，用途广泛。可用于铣床、磨床、钻床及刨床上，可将工件分成2、3、4、6、8、12、24等分，也可利用主轴上的刻度环和游标进行任意分度。
- ◆ Type F2、F2-6 super spacer is designed for using and indexing in both horizontal and vertical position. It is the most optimum in use for milling machines, grinding machines, drilling machines and planer etc. The divisions in 2, 3, 4, 6, 8, 12, 24 are permitted by notched plate, any desired angular indexing can be performed too by using a graduated ring on the spindle and a vernier.

主要规格和参数: Main specifications

项目Items	规格Specifications	F2	F2-6
中心高 Center height mm		149.25	130
主轴定心直径 Center diameter of the spindle mm		Φ119.774	Φ80
可分等分数 Divisions		2、3、4、6、8、12、24	
主轴轴肩支撑面至底面高度（主轴直立时） Height between external centering diameter of the spindle to the base(in vertical position)mm		96	89.5
主轴轴肩直径 Locating diameter of the spindle mm		Φ212	Φ170
定位键宽度 Width of the locating key mm		16	
可配卡盘 Matched chuck		K31210A	K31167
24等分单个分度误差 24 divisions individual error		25"	
净重 Net weight Kg		52	33
毛重 Gross weight Kg		60	39
箱体尺寸 Case dimensions mm		405×370×345	372×340×304

F2、F2-6型立卧等分分度头安装尺寸图 Dimensional sketch



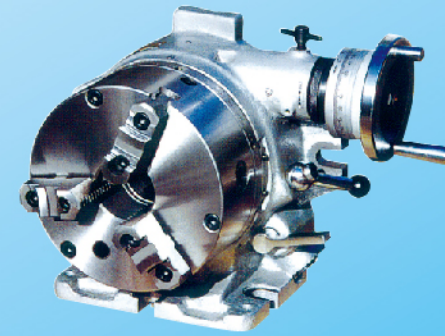
F2、F2-6型立卧等分分度头安装尺寸参数 Installation sketch and dimensions:

	A	B	C	D	E	F	G	H	I	J	K
F2	310	255	Φ210	255.25	18	214	171.5	149.25	80	150	16
F2-6	260	220	Φ167	220	18	197.5	155.5	130	70	130	16

注: 配带附件Accessories

护板6件Six Mask plates 六方扳手3个Three 6-square spanner wrenches 三爪卡盘3-jaw chuck

花盘(特殊定货)face plate(Optional)



F3、F3-6型立卧等分分度头

TYPE F3、F3-6 SUPER SPACER

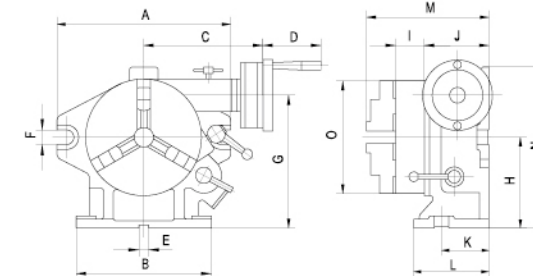
- ◆ F3、F3-6等分分度头是立卧式的，主轴可与机床工作台成水平与垂直两种情况下使用。可用于铣床、磨床、钻床及刨床上，可将工件分成2、3、4、6、8、12、24等分，也可用蜗轮副传动进行任意分度。
- ◆ Type F3、F3-6 super spacer is designed for using and indexing in both horizontal and vertical position. It is the most optimum in use for milling machines, grinding machines, drilling machines, planer and etc. The divisions in 2, 3, 4, 6, 8, 12, 24 are permitted by notched plate, and any desired angular indexing can be performed by worm and worm shaft, two methods can be switched over conveniently.

主要规格和参数: Main specifications

项目Items	规格Specifications	F3	F3-6
中心高 Center height mm		150	130
主轴定心直径 Center diameter of the spindle mm		Φ119.774	Φ80
主轴轴肩直径 Locating diameter of the spindle mm		Φ212	Φ170
可分等分数 Divisions		2、3、4、6、8、12、24	
主轴圆周刻度 Graduated disc of spindle		360°	
蜗轮副模数 Modules of worm and worm gear		1.5	1.25
蜗轮副传动比 Transmission ratio of worm and worm gear		1:90	
蜗轮每转所代表的转台度数 Showed degree of worktable per revolution of worm		4°	
游标最小示值 Minimum value of vernier		10"	
定位键宽度 Width of the locating key mm		16	
可配卡盘 Matched chuck		K31210A	K31167
24等分单个分度误差 24 divisions individual error		25"	
蜗轮副分度误差 Worm gear dividing error		±60"	
净重 Net weight Kg		(62)77	(40)50
毛重 Gross weight Kg		(73)88	(50)60
箱体尺寸 Case dimensions mm		490×425×380	470×350×360

* 括号内中英文不带花盘重量

F3、F3-6型立卧等分分度头安装尺寸图 Dimensional sketch



配带附件Accessories

护板6件Six Mask plates

六方扳手3个Three 6-square spanner wrenches

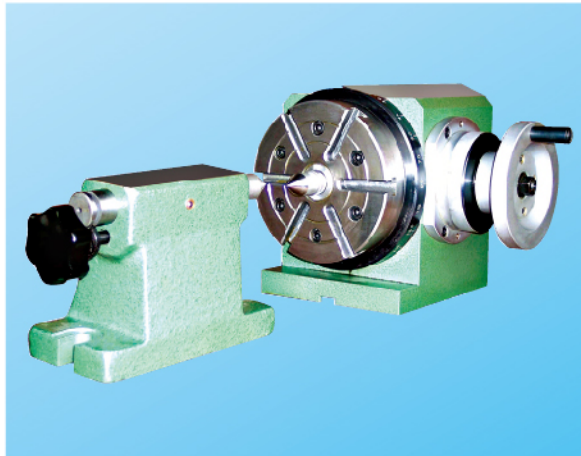
三爪卡盘3-jaw chuck

花盘(特殊定货)

face plate(Optional)

F3、F3-6型立卧等分分度头安装尺寸参数 Installation sketch and dimensions:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
F3	310	255	200	78	16	18	230	150	75	126	90	155	244	285	Φ210
F3-6	250	220	188	78	16	18	198.75	130	66	112	80	150	220	235	Φ167



F58125、F58160型手动立卧等分分度头

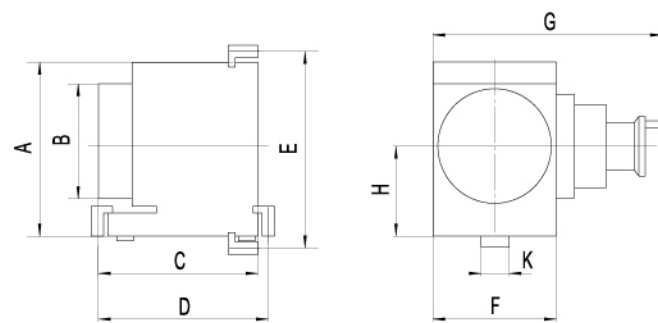
F58125、F58160 VER./HOR.DIVIDING HEAD

- ◆ F58125、F58160型手动立卧等分分度头是磨床、钻床等的主要附件之一，精度高，刚性好，可将工件分成2、3、4、6、8、12、24等分。
- ◆ 主轴上还可配备K11160K卡盘。
- ◆ F58125 manually operated indexer, which can be mounted either vertically or horizontally, is mainly used on milling and boring machines. With non-lifting Hirth coupling indexing, it features high accuracy and perfect rigidity.
- One scroll chuck "K11160" is equipped besides the indexer.

主要规格和参数: Main specifications

项目Items	规格Specifications	F58125	F58160
中心高 Center height mm		125	160
可分等分数 Divisions		2、3、4、6、8、12、24	
工作台直径 Table diameter mm		Φ160	
分度头总厚度 Thickness with table horizontal mm		210	
主轴孔锥度 Taper of spindle bore		MT3	
定位键宽度 Width of locating key mm		18	
"T" 型槽宽度 Width of T-slot mm		10	
分度精度 Indexing accuracy		30"	
主轴水平时锁紧力矩 Load capacity of Hor.Spindle Kg		50	
净重 Net weight Kg		67	
毛重 Gross weight Kg		77	
箱体尺寸 Case dimensions mm		580×385×353	

F58125、F58160型手动立卧等分分度头安装尺寸图 Dimensional sketch



F58125、F58160型手动立卧等分分度头安装尺寸参数 Installation sketch and dimensions:

	A	B	C	D	E	F	G	H	K
F58125	230	Φ160	210	223	276	170	300	125	18
F58160	230	Φ160	210	223	276	170	300	160	18

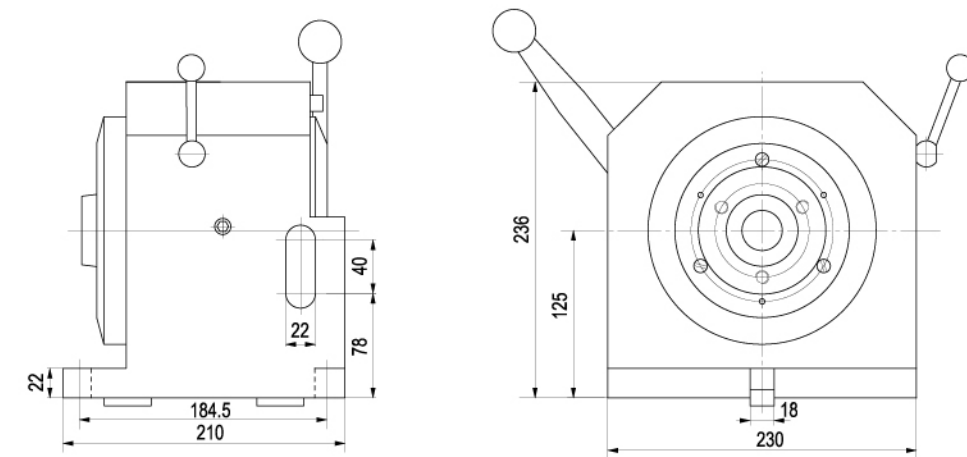


F43125D立卧等分分度头

F43125D HORIZONTAL VERTICAL DIVIDING HEAD

- ◆ F43125D立卧等分分度头是铣床、钻床、磨床、刨床的主要附件之一，主轴可与机床工作台呈水平、垂直两种状态下使用，协助机床可完成2、3、4、6、8、12、24等分的分度加工，主轴端部可以安装卡盘或花盘。
- ◆ F43125D can be mounted on milling machine, grinding machine, drilling machine and other machine tools. It is designed for using and indexing in both horizontal and vertical position and can carry out 2, 3, 4, 6, 8, 12, 24 divisions. This product is equipped with a face plate or chuck.

F43125D立卧等分分度头安装尺寸图 Dimensional sketch



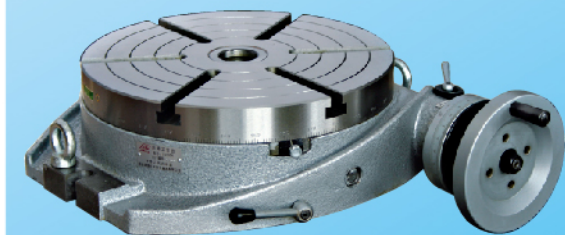
主要规格和参数: Main specifications

项目 Items	参数 Parameter
中心高 Center height mm	125
主轴法兰盘定位短锥直径 Dia. of short taper of spindle nose for mounting flange mm	Φ53.975
定位键宽度 Width of locating key mm	18
可分等分数 Divisions	2、3、4、6、8、12、24
可配卡盘 Matched chuck	K11160
24等分单个分度误差 24 divisions individual error	±40"
净重 Net weight Kg	50
毛重 Gross weight Kg	55
箱体尺寸 Case dimensions mm	480×355×358

注: 配带附件 Accessories

法兰盘 Flange 三爪卡盘 3-Jaw chuck T型槽用螺栓组 2套 T-slot bolt set 2 sets

圆工作台(特殊订货) Face plate (Optional)



TS...A系列回转工作台

TS...A SERIES ROTARY TABLE

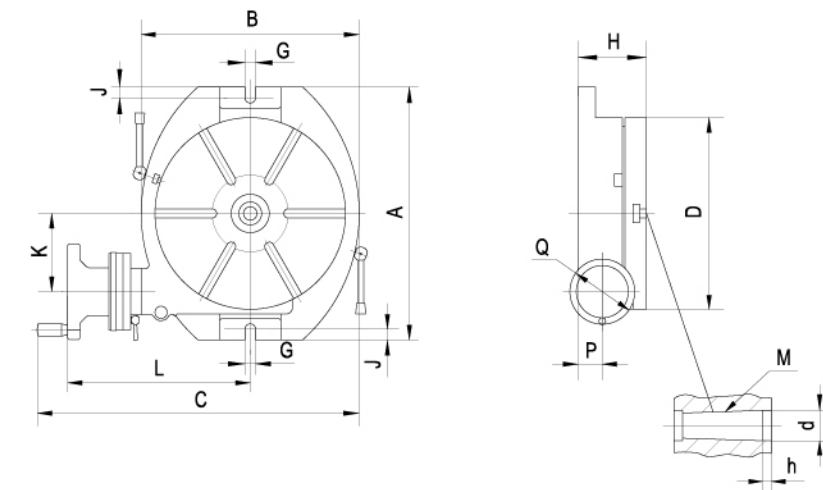
- ◆TS...A系列回转工作台(平转台)是铣床的主要附件之一, 可用在铣床上进行分度钻孔或铣削、圆周切削、圆周曲面加工、平面及部分线段的直线加工等工作。
- ◆每个规格的转台分别提供连接不同卡盘的法兰盘, 作为特殊订货, 并将法兰盘独立包装。另外, 为特殊订货所提供的分度盘附件可实现由2至66间所有整数和由67到132间能被2,3和5整除的所有整数的分度。

- ◆The TS series horizontal rotary tables are for indexing,circular cutting,angle setting,boring,spot facing operations and similar work in conjunction with a milling machine.
- ◆A flange for connecting scroll chuck is special supplied,an be packed independent.For special order,the dividing plates accessory allows the operator to accurately divide the 360°rotation of the clamping surface into divisions of 2 through 66,and all divisible of 2,3 and 5 from 67-132.

主要规格和参数: Main specifications

项目Items	规格Specifications	TS160A	TS200A	TS250A	TS320A	TS400A	TS500A	TS630A	TS800B	TS1000A	TS1250A
工作台直径 Table diameter mm		Φ160	Φ200	Φ250	Φ320	Φ400	Φ500	Φ630	Φ800	Φ1000	Φ1250
台面中心孔锥度 (莫氏) Morse taper of the center hole		2 #	3 #	4 #	5 #	6 #	-	-	-	-	-
台面定位孔直径 Diameter of the center hole mm		Φ25×6	Φ30×6	Φ40×10	Φ50×12	Φ75×14	-	-	-	-	-
台面T型槽宽度 Width of T-slot mm		10	12	14	18	22	-	-	-	-	-
台面T型槽相邻角度 Adjacent angle of T-slot		90°	60°	45°	-	-	-	-	-	-	-
定位键宽度 Width of the locating key mm		12	14	18	-	-	-	-	-	-	-
蜗轮副模数 Modules of worm and worm gear		1.5	1.75	2	2.5	3.5	4.5	5.5	5	-	-
蜗轮副传动比 Transmission ratio of the worm gear		1:90	1:120	1:180	-	-	-	-	-	-	-
工作台圆周刻度 Graduation of the table		360°	-	-	-	-	-	-	-	-	-
手轮每转台转过度数 Rotating angle of table with one revolution of the worm		4°(1'per graduation)	3°(1'per graduation)	2°	-	-	-	-	-	-	-
游标最小示值 Minimum value of vernier		10"	-	-	-	-	-	-	-	-	-
分度精度 Indexing accuracy		80"	60"	60"	-	-	-	-	-	-	-
工作台最大承载 Max.workload kg		100	150	200	250	300	550	700	1250	2000	3000
净重 Net weight Kg		16.5	22.5	33.5	65	125	215	345	845	1300	1900
毛重 Gross weight Kg		21.5	31	44.5	76	145	238	377	900	1400	2000
箱体尺寸 Case dimensions mm		400×330×200	440×360×208	500×400×210	580×480×238	750×616×280	850×730×302	995×900×326	1197×1088×440	1424×1348×468	1585×1580×503
可配卡盘 Maching chuck		K11125	K11160	K11200	K11250	K11325	K11400	K11500A	K11630A	K11630A	-

TS...A系列回转工作台安装尺寸图 Dimensional sketch



TS...A系列回转工作台安装尺寸参数 Installation sketch and dimensions:

	TS160A	TS200A	TS250A	TS320A	TS400A	TS500A	TS630A	TS800B	TS1000A	TS1250A
A	260	290	330	410	530	640	820	980	1170	1400
B	196	236	286	360	450	560	700	890	1080	1300
C	332	369	422	493	612	753	898	1080	1295	1420
D	Φ 160	Φ 200	Φ 250	Φ 320	Φ 400	Φ 500	Φ 630	Φ 800	Φ 1000	Φ 1250
G	12	14	18	22	22	-	-	-	-	-
H	75	80	90	110	140	158.5	160	245	250	283
J	12	14	18	20	30	-	-	-	-	-
K	76	91.25	102.5	128.5	180	230	295	364	364	487.5
L	194	211	241	273	337	393	468	535	654	690
M	MT2	MT3	MT4	MT5	MT6	-	-	-	-	-
P	27	27	30.5	44	60	65	68	106	106	116
Q	125	160	180	220	250	-	-	-	-	-
d	Φ 25	Φ 30	Φ 40	Φ 50	Φ 75	-	-	-	-	-
h	6	10	12	14	-	-	-	-	-	-

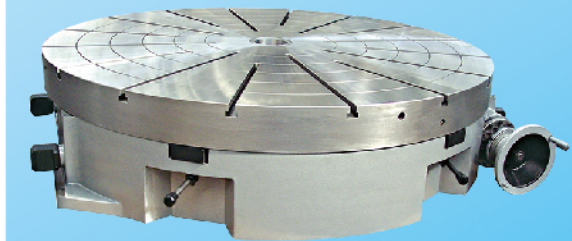
注: 配带附件Accessories

T型槽螺钉组2套 T-slot bolt set 2 sets

特殊订货Optional:

分度盘附件1套 Hole plate 1set

法兰盘附件1套 Flange 1set



TS...A系列回转工作台

TS...A SERIES ROTARY TABLE

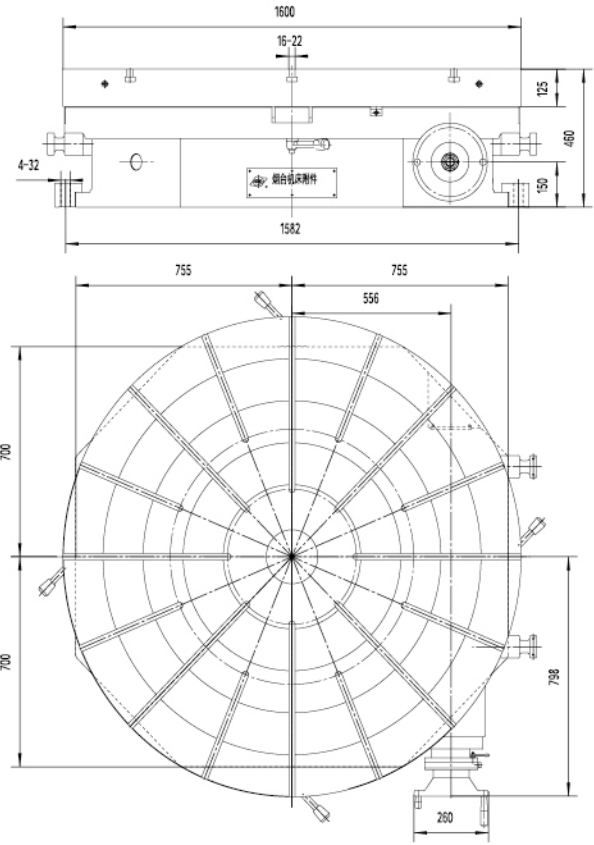
- ◆TS...A系列回转工作台(平转台)是铣床的主要附件之一, 可用在铣床上进行分度钻孔或铣削、圆周切削、圆周曲面加工、平面及部分线段的直线加工等工作。
- 每个规格的转台分别提供连接不同卡盘的法兰盘, 作为特殊订货, 并将法兰盘独立包装。另外, 为特殊订货所提供的分度盘附件可实现由2至66间所有整数和由67到132间能被2,3和5整除的所有整数的分度。

- ◆The TS series horizontal rotary tables are for indexing,circular cutting,angle setting,boring,spot facing operations and similar work in conjunction with a milling machine.
- ◆A flange for connecting scroll chuck is special supplied,an be packed independent.For special order,the dividing plates accessory allows the operator to accurately divide the 360°rotation of the clamping surface into divisions of 2 through 66,and all divisible of 2,3 and 5 from 67-132.

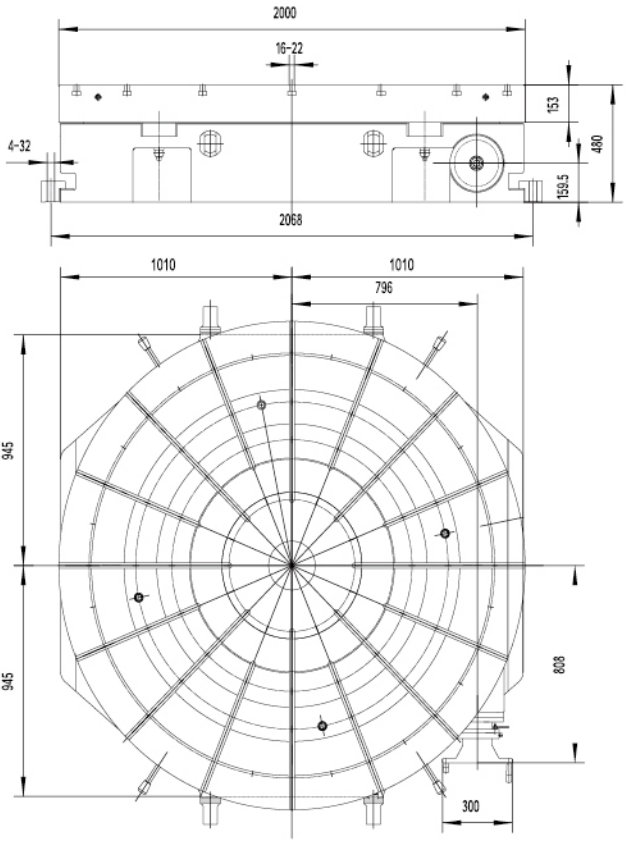
主要规格和参数: Main specifications

项目Items	规格Specifications	TS1600A	TS2000A	TS2500A
工作台直径 Table diameter mm		Φ1600	Φ2000	Φ2500
台面中心通孔 Diameter of the through hole		Φ100	Φ120	-
台面定位孔直径 Diameter of the center hole mm		Φ120×25	Φ150×30	
台面T型槽宽度 Width of T-slot mm		22		
台面T型槽相邻角度 Adjacent angle of T-slot		22.5°		
蜗轮副模数 Modules of worm and worm gear		8		
蜗轮副传动比 Transmission ratio of the worm gear		1:120	1:180	
工作台圆周刻度 Graduation of the table		360°		
手轮每转台转过度数 Rotating angle of table with one revolution of the worm		3°	2°	
游标最小示值 Minimum value of vernier		10"		
分度精度 Indexing accuracy		60"		
工作台最大承载 Max.workload kg		5500	8500	10000
净重 Net weight Kg			7500	
毛重 Gross weight Kg				
箱体尺寸 Case dimensions mm				

TS...A系列回转工作台安装尺寸图 Dimensional sketch



TS1600A外形图



TS2000A外形图



TSL系列回转工作台

TSL SERIES ROTARY TABLE

- ◆ TSL系列回转工作台是铣床的主要附件之一，可用在铣床上进行分度钻孔或铣削、圆周切削、镗孔铰平面等工作。工作台垂直位置与尾座配合使用时，还可对较复杂的工件进行圆周分度钻削和铣削。
- ◆ 每个规格的转台分别提供连接不同卡盘的法兰盘，作为特殊订货，并将法兰盘独立包装。另外，为特殊订货所提供的分度盘附件可实现由2至66间所有整数和由67到132间能被2，3和5整除的所有整数的分度。

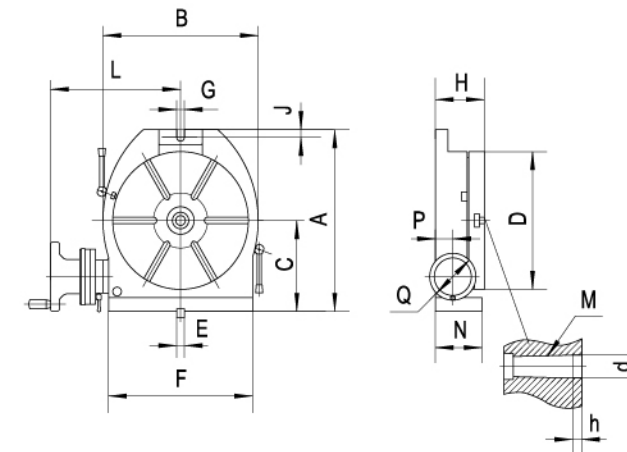
◆The TSL series horizontal and vertical rotary tables are for indexing,circular cutting,angle setting,boring,spot facing operations and similar work in conjunction with a milling machine.This type rotary table is so designed as to permit machining operations at a higher dimension than that of TS type rotary table.The base can be used in a vertical position to enable to carry out center work with the help of tailstock.

◆A flange for connecting scroll chuck is special supplied,and be packed independent.For special order,the dividing plates accessory allows the operator to accurately divide the 360°rotation of the clamping of the clamping surface into divisions of 2 through 66,and all divisible of 2,3 and 5 from 67-132.

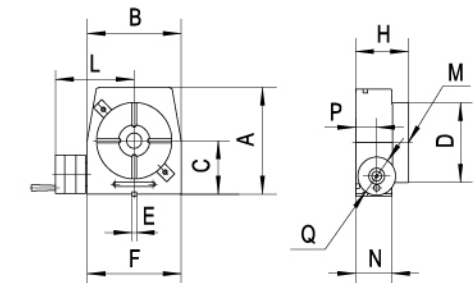
主要规格和参数: Main specifications

项目Items	规格Specifications		TSL100	TSL160	TSL200	TSL250	TSL320	TSL400	TSL800
工作台面直径 Diameter of table mm	Φ100	Φ160	Φ200	Φ250	Φ320	Φ400	Φ800		
台面中心孔锥度（莫氏） Morse taper of the center hole	2 #		3 #		4 #		6 #		
台面定位孔直径 Diameter of the center hole mm	Φ20×8	Φ25×6	Φ30×6		Φ40×10		Φ75×14		
工作台垂直时中心高 Height of center for Verti.mounting mm	70	125	150	170	210	260	500		
台面T型槽宽度 Width of T-slot mm	6	10	12		14		22		
台面T型槽相邻角度 Adjacent angle of T-slot	90°				60°				45°
定位键宽度 Width of the locating key mm	10	12	14		18		22		
蜗轮副模数 Modules of worm and worm gear	1	1.5	1.75	2	2.5	3.5	5.5		
蜗轮副传动比 Transmission ratio of the worm gear	1:72	1:90						1:120	
工作台圆周刻度 Graduation of the table	360°								
轮台手轮刻度值 Readout of the handwheel	2'	1'							
游标最小示值 Minimum value of vernier	10"								
分度精度 Indexing accuracy	120"	80"	60"						
最大承载(卧式) Max.bearing(with table Hor.)kg	20	100	150	200	250	300	1500		
最大承载(立式) Max.bearing(with table Vert.)kg	10	50	75	100	125	150	750		
净重 Net weight Kg	7	23	31.5	46	77	150			
毛重 Gross weight Kg	8	30	42	57	92	175	1200		
箱体尺寸 Case dimensions mm	245×165×112	432×432×220	450×440×235	510×460×240	590×580×250	750×684×286	1247×1222×510		
可配卡盘 Maching chuck	K1180	K11125	K11160	K11200	K11250	K11325	K11630A		

TSL160、200、250、320、400、800
回转工作台安装尺寸图 Dimensional sketch



TSL100回转工作台安装尺寸图
Dimensional sketch



TSL系列回转工作台安装尺寸参数 Installation sketch and dimensions:

	TSL100	TSL160	TSL200	TSL250	TSL320	TSL400	TSL800
A	125	242	285	328	410	525	980
B	125	196	236	286	360	450	890
C	70	125	150	170	210	260	500
D	Φ100	Φ160	Φ200	Φ250	Φ320	Φ400	Φ800
E	10	12	14		18		22
F	125	186	208	253	320	400	800
G	/	12	14		18		22
H	70	85	100	110	120	150	300
J	/	12	15	16			30
L	114	194	211	241	273	337	534
M	MT2		MT3		MT4		MT6
N	48	82	99	106	118	145	295
P	30	37	48			65	136
Q	50	125			140	160	250
d	Φ20	Φ25	Φ30		Φ40		Φ75
h	8	6			10		14

注: 配带附件Accessories

T型槽螺钉组 4套 T-slot bolt set 4 sets

特殊订货Optional:

分度盘附件1套 Hole plate 1set 法兰盘附件1套 Flange 1set 固定尾座1台 Tailstock Quantity 1

T型槽螺钉组2套 T-slot bolt set 2set 顶尖1个 Center Quantity 1



TSK系列可倾回转工作台

TSK SERIES TILTING ROTARY TABLE

- ◆ TSK系列可倾回转工作台是铣床、镗床、钻床的主要附件之一，主要用于加工斜孔或通过一次装夹定位加工除支撑面以外要求从工件中的各方位进行加工的工件。另外，工作台可以垂直位置与尾座配合使用，对工件进行圆周分度钻削和铣削。
- ◆ 工作台可从水平位置到垂直位置间(0°~90°)任意调整并锁紧。
- ◆ 每个规格的转台分别提供连接不同卡盘的法兰盘，作为特殊订货，并将法兰盘独立包装。另外，为特殊订货所提供的分度盘附件可实现由2至66间所有整数和由67到132间能被2，3和5整除的所有整数的分度。

◆The TSK series tilting rotary tables are one of main accessories for milling,boring an drilling machines.They can be used for machining,the oblique hole or surface and hole of compound angle at one set-up.Besides this,it is so designed as to be used in a vertical position to carry out center work with a tailstock.

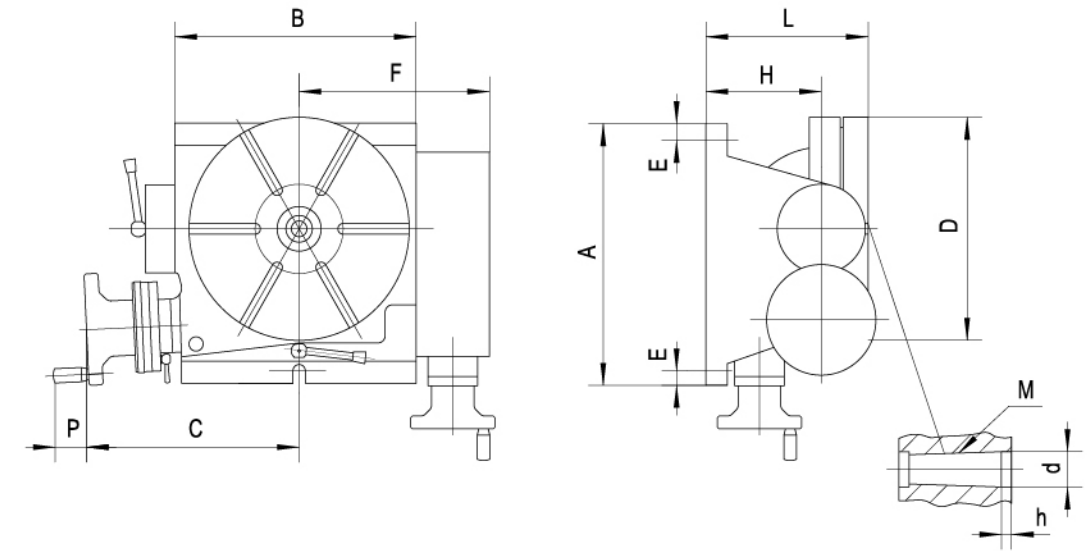
◆This table can be tilted to any position from 0°to 90°and locked.

◆A flange for connecting scroll chuck is special supplied,and be packed independent.For special order,the dividing plates accessory allows the operator to accurately divide the 360°rotation of the clamping surface into divisions of 2 through 66,and all divisible of 2,3 and 5 from 67-132.

主要规格和参数: Main specifications

项目Items	规格Specifications	TSK160	TSK200	TSK250	TSK320	TSK400
工作台直径 Diameter of table mm		Φ160	Φ200	Φ250	Φ320	Φ400
台面中心孔锥度 (莫氏) Morse taper of the center hole		2 #	3 #	4 #		
台面定位孔直径 Diameter of the center hole mm		Φ25×6	Φ30×6	Φ40×10		
台面T型槽宽度 Width of T-slot mm		10	12	14		
蜗轮副模数 Modules of worm and worm gear		1.5	1.75	2	2.5	3.5
定位键宽度 Width of the locating key mm		12	14	18		
台面T型槽相邻角度 Adjacent angle of T-slot		90°		60°		
蜗轮副传动比 Transmission ratio of the worm gear				1:90		
工作台圆周刻度 Graduation of the table				360°		
工作台可倾角度 Tilting angle				0°~ 90°		
轮台手轮刻度值 Readout of the handwheel				1'		
游标最小示值 Minimum value of vernier				10"		
可倾游标最小示值 Minimum reading of the tilting vernier				2'		
分度精度 Indexing accuracy		80"		60"		
最大承载(卧式) Max.bearing(with table Hor.)kg		100	150	200	250	300
最大承载(立式) Max.bearing(with table Vert.)kg		50	75	100	125	150
净重 Net weight Kg		36	57	80	135	280
毛重 Gross weight Kg		44	67	93	150	305
箱体尺寸 Case dimensions mm		425×380×300	492×423×306	550×430×330	630×490×395	830×600×460
可配卡盘 Maching chuck		K11125	K11160	K11200	K11250	K11325

TSK系列可倾回转工作台安装尺寸图 Dimensional sketch



TSK系列可倾回转工作台安装尺寸参数 Installation sketch and dimensions:

	TSK160	TSK200	TSK250	TSK320	TSK400
A	255	296	310	380	500
B	172	213	252	322	400
C	168	186	235	252	306
D	Φ160	Φ200	Φ250	Φ320	Φ400
E	11	14		16	
F	138	175.5	199	241	295
H	100	120	140	175	217
L	160	180	205	255	320
M	MT2	MT3		MT4	
P		40			50
d	Φ25	Φ30		Φ40	
h		6		10	

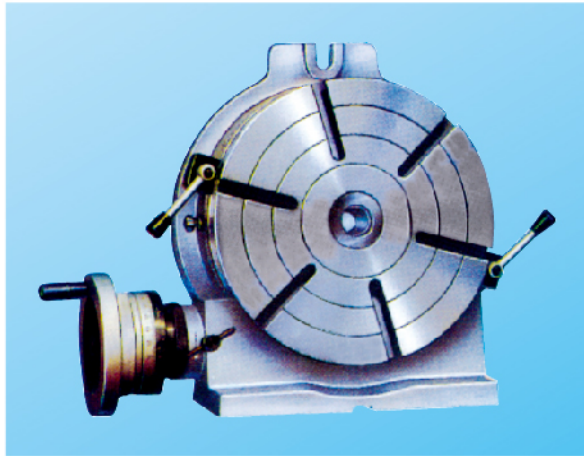
注: 配带附件Accessories

T型槽螺钉组 2套 T-slot bolt set 2sets

特殊订货Optional:

分度盘附件1套 Hole plate 1set

法兰盘附件1套 Flange 1set



T13...B型系列回转工作台

T13...B SERIES ROTARY TABLE

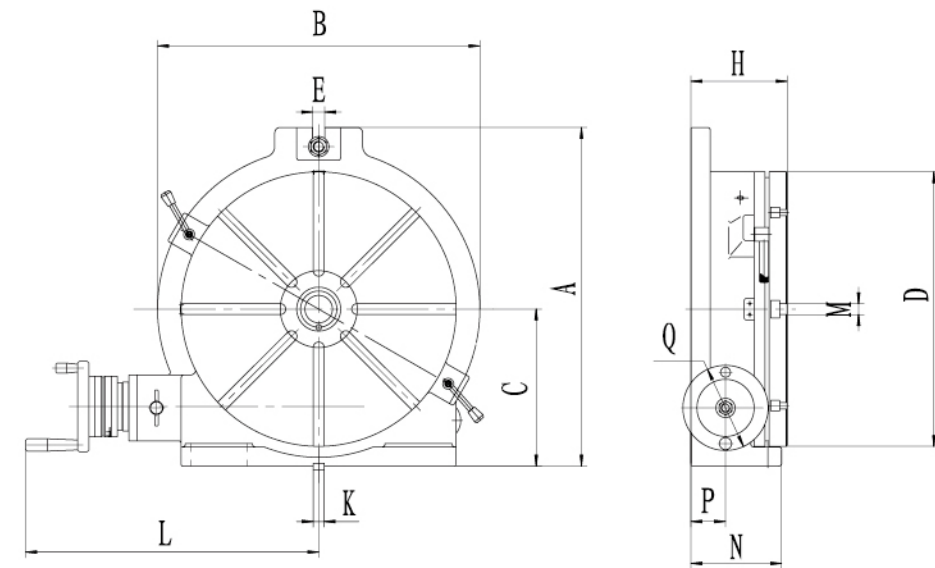
- ◆ T13...B型立卧回转工作台的用途、使用性能及参数与T S L系列转台基本相同，但两种转台的锁紧方式及外形有所不同，用户可根据自己的情况，选择不同的产品。
- ◆ T13...B系列回转工作台是铣床的主要附件之一，可用在铣床上进行分度钻孔或铣削、圆周切削、镗孔铰平面等工作。工作台垂直位置与尾座配合使用时，还可对较复杂的工件进行圆周分度钻削和铣削。
- ◆ 根据用户特殊要求，可提供手轮左置转台T13...L系列。

- ◆ The usage and specifications of the type T13...B series rotary tables are almost the same as the type TSL series. Only figure and clamping of the two kinds are different. You can choose either one you like.
- ◆ The T13...B series horizontal rotary tables are for indexing, circular cutting, angle setting, boring, spot facing operations and similar work in conjunction with a milling machine. This type rotary table is so designed as to permit machining operations at a higher dimension than that of TS type rotary table. The base can be in a vertical position to enable to carry out center work with the help of tailstock.
- ◆ Type T13...L is the same as T13...B series of the structures, only the operation is set on the left.

主要规格和参数: Main specifications

项目Items	规格Specifications	T13200B	T13250B	T13300B	T13400B	T13500B
工作台面直径 Diameter of table mm		Φ200	Φ250	Φ300	Φ400	Φ500
台面中心孔锥度 (莫氏) Morse taper of the center hole		3 #		4 #		
台面定位孔直径 Diameter of the center hole mm		Φ30×6		Φ40×10		Φ50×15
工作台垂直时中心高 Height of center for Vert.mounting mm		135	165	195	260	286
台面T型槽宽度 Width of T-slot mm		12		14		20
台面T型槽相邻角度 Adjacent angle of T-slot		90°	60°			45°
定位键宽度 Width of the locating key mm		16			18	22
蜗轮副模数 Modules of worm and worm gear		1.5	2	2.5	3.5	
蜗轮副传动比 Transmission ratio of the worm gear		1:90				
工作台圆周刻度 Graduation of the table		360°				
蜗杆每转所代表的转台度数 Rotating angle of table with one revolution of the worm		4°(1' per graduation)				
游标最小示值 Minimum value of vernier		10"				
分度精度 Indexing accuracy		80"	60"			
最大承载(卧式) Max.bearing(with table Hor.)kg		150	200	250	300	550
最大承载(立式) Max.bearing(with table Vert.)kg		75	100	125	150	275

T13...B系列回转工作台安装尺寸图 Dimensional sketch

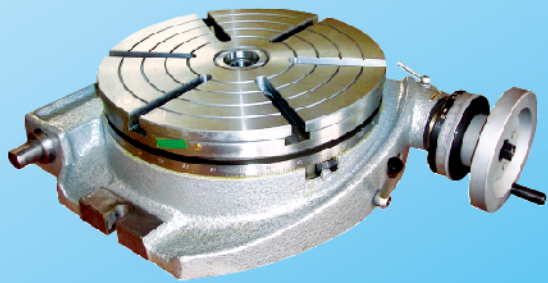


T13...B系列回转工作台安装尺寸参数 Installation sketch and dimensions:

	T13200B	T13250B	T13300B	T13400B	T13500B
A	265	325	388	520	617
B	220	280	330	450	586
C	135	165	195	260	286
D	Φ200	Φ250	Φ300	Φ400	Φ500
E	17	17	18	18	22
H	100	115	135	160	175
L	262	282	315	398	519
M	MT3	MT4	MT4	MT4	MT5
N	98	113	133	155	165
K	16	16	16	18	22
P	35	38	46	55	63
Q	125	125	140	165	165
净重Net weight Kg	27	43	67	130	225
毛重Gross weight Kg	33	51	77	150	260
箱体尺寸(mm)Case dimensions	488×324×232	530×395×245	603×458×274	730×580×294	955×690×337

注: 配带附件Accessories

T型槽螺钉组 3套 T-slot bolt set 3sets



T11系列机动转台

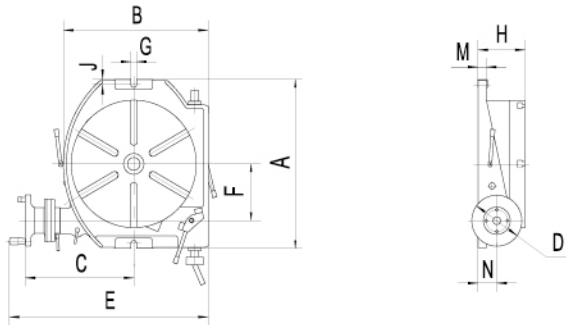
TYPE T11 SERIES POWER-OPERATED ROTARY TABLE

- ◆ T11系列机动转台是铣床的主要附件之一，它可以机动和手动两种方式。可用在铣床上进行分度钻孔或铣削、圆周切削、圆弧曲面切削、平面及部分线段的直线加工等工作。
- ◆ The T11 series power-operated rotary table is one of the main accessories of the milling machine, It is forced by power or operated. And can make circular cutting, circle curved surface processing, straight line processing of the plane and some line segments. It can work on the drilling machines, slotting machines and planing machines in different process according to the fixed shares.

主要规格和参数: Main specifications

项目 Items	规格 Specifications	T11320	T11400
工作台面直径 Diameter of table mm		Φ320	Φ400
台面中心孔锥度(莫氏) Morse taper of the center hole		4 #	
台面定位孔直径 Diameter of the center hole mm		Φ40	
台面T型槽宽度 Width of the T-slot mm		14	
定位键宽度 Width of the locating key mm		18	
蜗轮副模数 Modules of worm gear		2.5	3.5
蜗轮副传动比 Transmission ratio of the worm gear		1:90	
工作台圆周刻度 Graduation of the table		360°	
蜗轮每转所代表的转台度数 Rotating angle of table with one revolution of the worm		4° (1' per graduation)	
游标最小示值 Minimum reading of vernier		10"	
分度精度 Indexing accuracy		60"	
净重 Net weight Kg		83	145
毛重 Gross weight Kg		100	165
箱体尺寸 Case dimensions mm		690×530×253	820×640×280

T11系列机动转台安装尺寸图 Dimensional sketch



T11系列机动转台安装尺寸参数 Installation sketch and dimensions:

	A	B	C	D	E	F	G	H	J	M	N
T11320	410	371	276	125	507	128.5	18	125	16	28	40
T11400	530	463	347	160	635	177.5	18	150	16	30	55

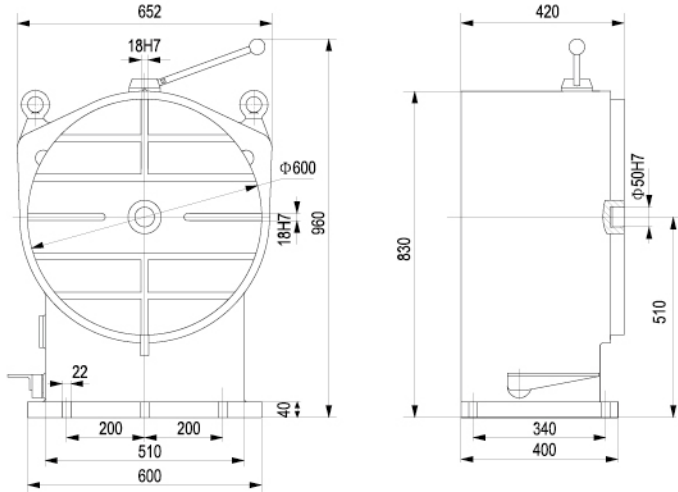


T36600X12型立式等分回转工作台

T36600X12 VERTICAL DIVIDING HEAD

- ◆ T36600X12型立式等分回转工作台是手动分度钻孔，可将工件分为12等分，具有稳定性好、操作方便等特点，能迅速快捷地完成孔加工工作。
- ◆ T36600X12 vertical dividing head is one of the most important attachment for drilling machine. With the help of the product, the workpiece 12 divisions can be carried out. It is simple in construction, easy in operation and reliable.

T36600X12型立式等分回转工作台安装尺寸图 Dimensional sketch



主要规格和参数: Main specifications

项目 Items	参数 Parameter
工作台直径 (mm) Table diameter	Φ600
工作台中心高 (mm) Center height	510
工作台总高度 (mm) Table whole height	960
工作台总厚度 (mm) Table whole thickness	420
中心孔 (直径x深度) (mm) Centre hole (Dia. x depth)	Φ50H7x35
台面T型槽宽度 (mm) Width of T-slot	18H7、18H12
可分等分数 Divisions	12
12等分单个分度误差 Divisions individual error	±30"
净重 Net weight Kg	-
毛重 Gross weight Kg	660
箱体尺寸 Case dimensions mm	1080 x 868 x 582



TX13系列数显转台

TYPE TX13 SERIES DIGITAL DISPLAY/ROTARY TABLE

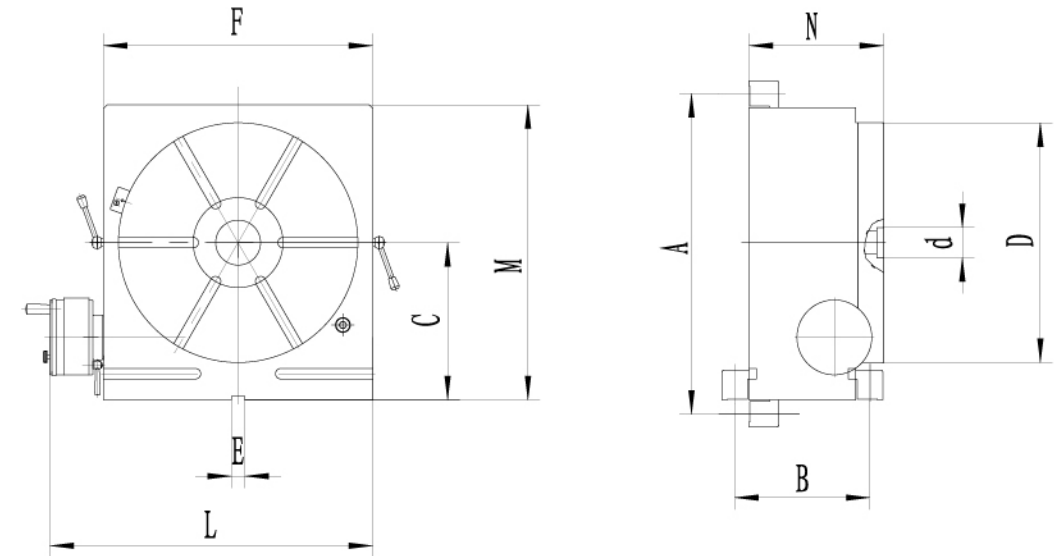
◆TX13系列数显转台具有分度精度高、稳定性好、操作方便等特点是机床的主要附件之一，在机械加工中作为精密铣床、镗床、磨床及其它高精度机床的精密附件，协助主机完成对具有角度要求的零件加工。另外，在计量工作中，还可用于精密角度的测量。回转工作台具有刹紧和分度蜗杆副脱落机构。

◆The TX13 series digital display rotary table is for indexing, circular cutting, angle setting, boring, spot facing operations and similar work in conjunction with a milling machine. This type rotary table is so designed as to permit machining operations at a higher dimension. It can also be used for measuring exact angle.

主要规格和参数: Main specifications

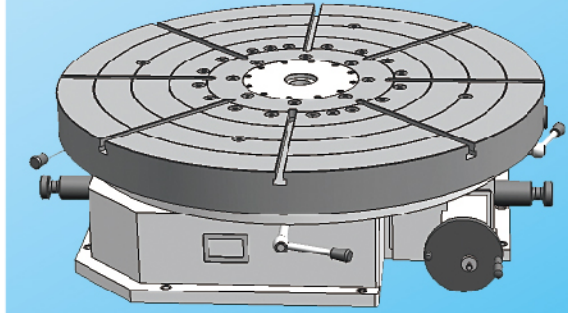
项目Items	规格Specifications				TX13160	TX13200	TX13250	TX13320	TX13400
工作台面直径 Diameter of table mm					Φ160	Φ200	Φ250	Φ320	Φ400
台面中心孔锥度(莫氏) Morse taper of the center hole					2#	3 #		4 #	
台面定位孔直径 Diameter of the center hole mm					Φ25×6	Φ30×6		Φ40×10	
工作台面垂直时中心高 Height of center for Vert.mounting mm					125	150	170	210	260
台面T型槽宽度 Width of the T-slot mm					10	12		14	
台面T型槽相邻角度 Adjacent angel of table T-slot					90°		60°		
定位键宽度 Width of the locating key mm					12	14		18	
蜗轮副模数 Modules of worm gear					1.5	1.75	2	2.5	3.5
蜗轮副传动比 Transmission ratio of the worm gear					1:90				
微调传动比 Tobletransmission ratio of the worm gear					1:5400				
工作台面周刻度° Graduation of the table					360°				
转台分辨率 Minimum reading ditigal display rotary table					2"				
分度精度 Indexing accuracy					±10"				
最大承载（卧式） Max.bearing(with table Hor.)Kg					100	150	200	250	300
最大承载（立式） Max.bearing(with table Vert.)Kg					50	75	100	125	150
净重 Net weight Kg									
毛重 Gross weight Kg					35	51	67	135	225
箱体尺寸 Case dimensions mm					412×294×252	482×362×259	498×390×262	570×500×308	730×561×362

TX13系列数显转台安装尺寸图 Dimensional sketch



TX13系列数显转台: Installation sketch and dimensions

	TX13160	TX13200	TX13250	TX13320	TX13400
A	246	318	352	428	523
B		147	155	180	235
C	125	150	170	210	260
D	Φ160	Φ200	Φ250	Φ320	Φ400
E	12	14	14	18	18
F	200	264	280	360	450
M	220	282	310	390	475
N	137	140	143	180	229
L	284	348	364	431.5	555.5
d	Φ25	Φ30	Φ30	Φ40	Φ40



TX121500数显手动机动转台

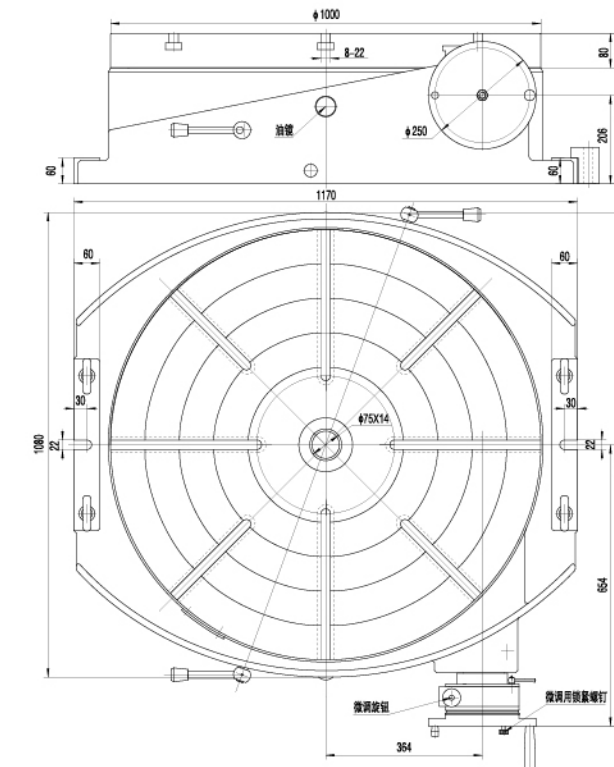
TYPE TX121500

- ◆TX121000 是在TS1000A基础上增加了海德汉编码器作为分度显示元件，协助完成工作台准确定位。
- TX121500 数显手动机动转台,工作时以水平方式安装在工作面上。它以高精度的双导程蜗杆副作为主要分度元件，以高精度的海德汉编码器作为分度显示元件，协助完成工作台准确定位。另外，在计量工作中，还可用于精密角度的测量。工作时，先用变频电机驱动蜗杆副实现粗定位，通过数显设备读数，电机停转后，通过蜗杆另一端的手轮实施粗微调，最后再通过微调旋钮实施微调，以实现准确定位。

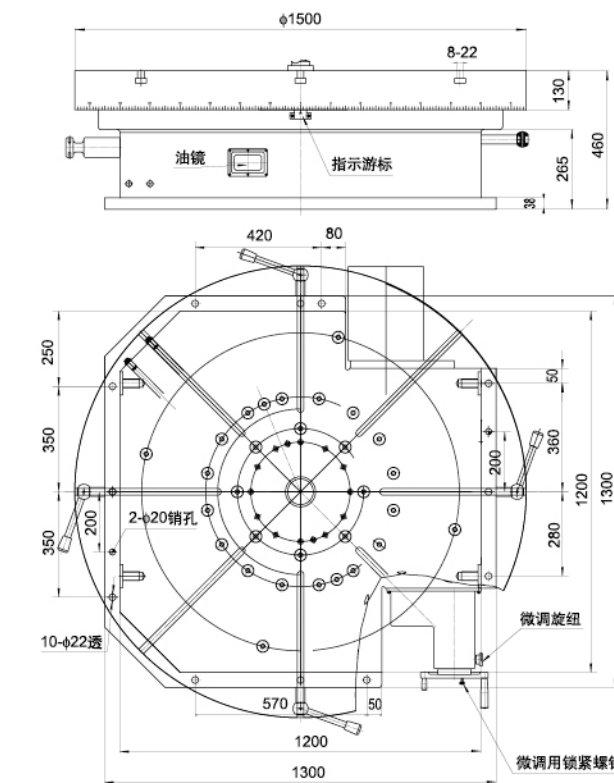
主要规格和参数: Main specifications

No.	项目ITEMS	TX121000	TX121200	TX121500
1	工作台面直径 mm Diameter of table	1000		1500
2	工作台总厚度mm Total thickness	350		460
3	工作台中心定位孔直径mm Center bore diameter	Φ75		Φ100
4	中心孔莫氏锥孔 Morse taper of the centr hole	莫氏6号		莫氏6号
5	台面T型槽宽度mm Width of the T-slot	8-22		8-22
6	蜗杆副模数 mm Module of worm gear	5.5		5
7	蜗杆副传动比 Worm gear ratio	1:120		1:144
8	总传动比(手轮和电机处传动比) Total reduction ratio of motor or handwheel			1:360
9	微调传动比 Total transmission ratio	1:7200		1:14400
10	工作台转速范围 Table gyration angle per pulse			0.1-4r/min
11	工作台静态锁紧力矩 (气压0.5Mpa)(N.m) Max torque capacity of worm gear	500		800
12	工作台最大载重量Kg Load capacity	2500		3000
13	工作台圆周刻度 Graduation of the table	360° (每格1°)		360° (每格1°)
14	数显表最小示值 Minimum angular resolution	1"		1"
15	分度精度 Dividig accuracy	10"		5"
16	重复定位精度 Repeatability accuracy	4"		3"

TX121000数显手动机动转台安装尺寸图 Dimensional sketch



TX121500数显手动机动转台安装尺寸图 Dimensional sketch



TX121500安装尺寸图



WZK型系列可调尾座

TYPE WZK SERIES ADJUSTABLE TAILSTOCK

- ◆ WZK100-1,WZK140,WZK180,WZK224可调尾座是TSL系列立卧回转工作台及其它机床附件配套附件之一。它与TSL系列回转工作台及其他机床附件配合使用，可加工顶尖支承的轴类工件。
- ◆ 注：WZ K100-1可调尾座配用F N L100B分度头，WZ K140可调尾座配用TSL160转台，WZK180可调尾座配用TSL200、TSL250转台，WZK224可调尾座配用TSL320转台。

◆WZK100-1,WZK140,WZK180,WZK224 is designed for use with the vertical rotary tables.The tailstock is used to hold center shaft,cylinders and other

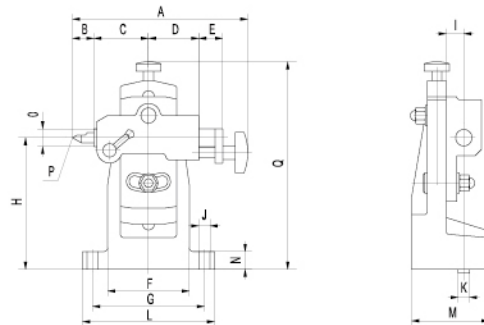
workpieces for the machining of grooves,splines,flats,keyways,ect.The center height and angle are adjustable. The center is retractable for repeated operations.Center is securely locked into position with clamp.

◆Note:Type WZK100-1 adjustable tailstock is matched to FNL100B.Type WZK140 adjustable tailstock is matched to TSL160.Type WZK180 adjustable tailstock is matched to TSL200 and TSL250.WZK224 adjustable tailstock is mached to TSL320.

主要规格和参数：Main specifications

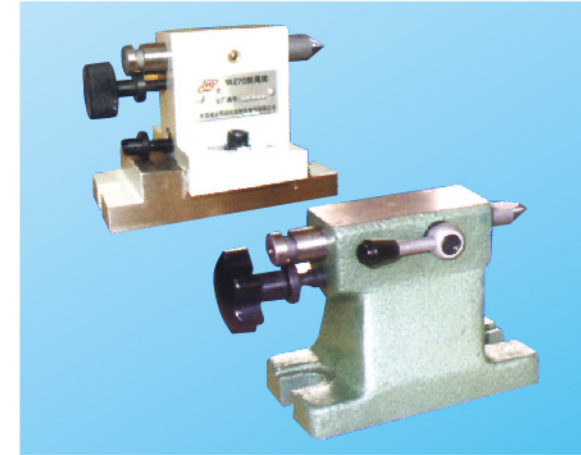
项目Items	规格Specifications	WZK100-1	WZK140	WZK180	WZK224
顶尖锥孔中心至底平面距离 Distance between taper center to base mm		Max.100 Min.80	Max.140 Min.100	Max.180 Min.140	Max.224 Min.180
顶尖套中心孔锥度 Taper of Center				MT2	
定位键宽度 Width of locating key mm		12	14	14	18
顶尖中心轴线可倾角度 Tilting angle of center axes		$\pm 11^\circ$			
顶尖套轴向最大移动量 Stroke of center mm		25			
净重 Net weight Kg		6	8	14.5	16.5
毛重 Gross weight Kg		8	10	18.5	21
箱体尺寸 Case dimensions mm		257×230×192	284×230×194	353×308×223	398×308×223

WZK型系列可调尾座安装尺寸图 Dimensional sketch



WZK型系列可调尾座安装尺寸参数：Installation sketch and dimensions:

	A	B	C	D	E	F	G	H	I	J	K	I	M	N	O	P	Q
WZK100-1	169	34	50	45	18	100	130	80-100	18	Φ12	12k7	152	95	20	Φ18H7		188
WZK140	169	34	50	45	18	110	140	100-140	18	Φ14	14k7	162	98	20	Φ18H7		228
WZK180	281	36	87	80	38	130	172	140-180	28	Φ14	14k7	200	125	24	Φ28H7	MT2	277
WZK224	281	36	87	80	38	130	178	180-224	28	Φ18	18k7	210	125	28	Φ28H7	MT2	321



WZ型固定尾座

TYPE WZ TAILSTOCK

- ◆WZ70, TSL400-2尾座是TSL系列立卧回转工作台及其它机床附件配套附件之一。它与TSL系列回转工作台及其他机床附件配合使用，可加工用顶尖支承的轴类工件。
- ◆注：WZ70尾座配用TSL100转台,TSL400-2尾座配用TSL400转台。
- ◆用户订货时，配用转台的尾座，需特别说明。

◆WZ70,TSL400-2 is designed for use with the vertical rotary tables.The tailstock is used to hold center shaft,cylinders and other workpieces for the machining of

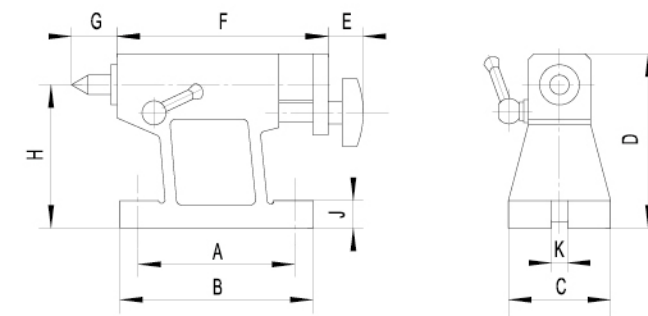
grooves,splines,flats,keyways,etc. The center is retractable for repeated operations.Center is securely locked into position with clamp.

◆Note:Type WZ70 tailstock is matched to TSL100.Type TSL400-2 tailstock is matched to TSL400.The tailstock for rotary table is special supplied.

主要规格和参数：Main specifications

项目Items	规格Specifications	WZ70	TSL400-2
顶尖锥孔中心至底平面距离 Distance between taper center to base mm		70	260
顶尖套中心孔锥度 Taper of Center		-	MT3
定位键宽度 Width of locating key mm		10	18
顶尖套轴向最大移动量 Stroke of center mm		12	30
净重 Net weight Kg		2.5	28
毛重 Gross weight Kg		3	32
箱体尺寸 Case dimensions mm		200×120×202	375×355×260

WZ型固定尾座安装尺寸图 Dimensional sketch



WZ型固定尾座安装尺寸参数：Installation sketch and dimensions

	A	B	C	D	E	F	G	H	J	K
WZ70	95	110	65	67.56	25	69	25	70	12	10
TSL400-2	193	225	150	290	40	216	49	260	28	18



(TS...A、TSL、TSK)系列分度盘

(TS...A、TSL、TSK SERIES)DIVIDING PLATE ACCESSORY

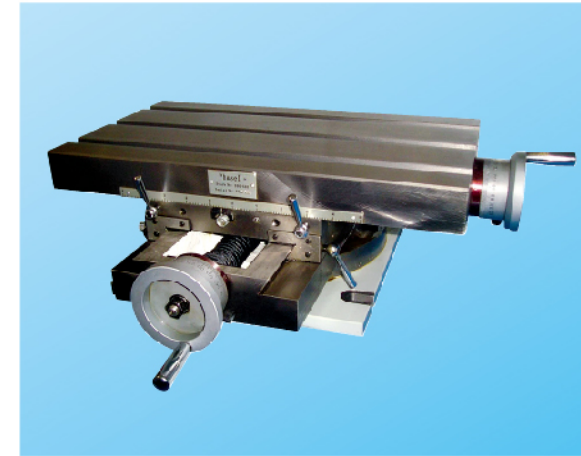
- ◆该装置包括分度盘，手柄杠杆组，螺钉，计孔叉和垫，其中，分度盘为分别具有2组孔数的A、B盘，可实现由2至66间所有整数和由67到132间能被2，3和5整除的所有整数的分度。
- ◆注：为T S L100提供的等分分度装置可实现所有30' 整数倍的等分分度，分度盘只有一件，孔数为10。

◆Dividing plates,crank handle sets,screws,sectors and washer are included in the accessory.There are 2 dividing plates(A and B)with hole numbers as in the table.All of dividing of 2-66,and all divisible by 2,3 and 5 from 67-132 can be carried out accurately and quickly with this accessory.

◆NOTE:The dividing plate accessory for TSL100 is used to divide one 360°table rotation into division of all dlvisibles of 30' ,only one dividing plate with 10 holes is supplied.

主要规格和参数：Main specifications

规格Spec	参数Items	分度盘直径mm Diameter of dividing plates	分度盘孔数 Number of holes in two.dividing plates	可匹配产品 Matching products
TS250A分度盘附件 TS250A Dividing Plate Accessory		Φ130	A:34,37,38,39,41,43,44,50,52,56,61 B:46,47,49,51,53,54,57,58,59,62,64	TS160A,TS200A,TS250A,TS320A,TSL160,TSL200,TSL250,TSL320,TSK160,TSK200,TSK250,TSK320
TS400A分度盘附件 TS400A Dividing Plate Accessory		Φ170	A:34,37,38,39,41,43,44,50,52,56,61 B:46,47,49,51,53,54,57,58,59,62,64	TS400A,TSL400,TSK400
TS500A分度盘附件 TS500A Dividing Plate Accessory		Φ170	A:33,34,37,38,39,41,43,44,50,52,56,61 B:46,47,49,51,53,54,57,58,59,62,63,64	TS500A,TS630A,TS800A,TS1000A



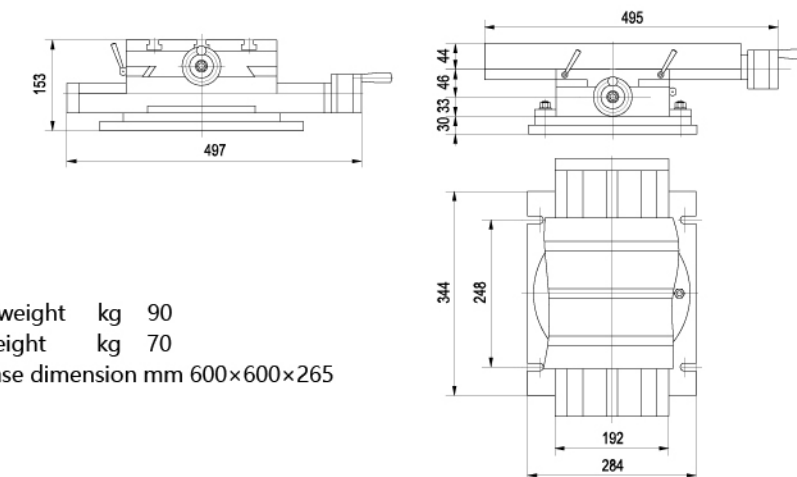
MG-2A/2C可转位十字滑台

MG-2A/2C CROSS SLIDE WITH SWIVEL BASE

- ◆MG-2A/2C型可转位十字滑台主要用于普通铣床、钻床等，可利用手动等方式实现纵横两坐标向的移动，以及角度(0°-360°)回转。主要应用于精度要求较高的工件铣槽边，有相对坐标位置的孔系等加工。
- ◆MG-2A是英制单位，MG-2C是公制单位。

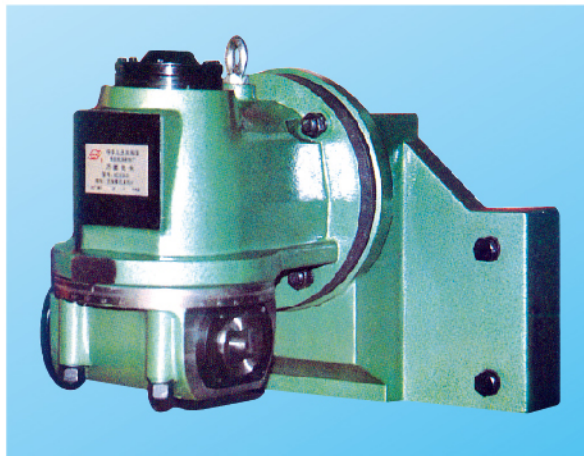
◆MG-2A/2C cross slide table with swivel base is a functional multipurpose attachment for general milling machine,small-sized drilling machine and other machine tools.With X,Yaxis travel and swivelling of the cross slide table base can be achieved by simple manual operation.It is mostly used in such metal cutting as lightduty milling or drilling with rather a reasionable precision.

MG-2A/2C可转位十字滑台安装尺寸图Dimensional sketch



主要规格和参数 Main specifications:

项目Items	规格Specifications	MG-2A/2C
工作台面尺寸 Table size mm		254×444
滑台总高度 Thickness of cross slide table mm		153
工作台横向行程 Table transverse travel mm		±114
工作台纵向行程 Table longitudinal travel mm		±76
工作台T型槽宽度 The width of T-slot mm		15.875 / 14
工作台T型槽距 Adjacent distance of table T-slot mm		80
手轮最小刻度值 Min. reading of handwheel		0.001英寸 / 0.025毫米
滑台中心最大承重 Max. workload for center of table kg		250
滑台中心位置最大承受切削力 Max. working cutting force for center of table kg		700
工作台台面的平面度 Straightness of table surface mm		0.03(-)
滑台纵向移动的垂直度 Perpendicularity of longitudinal motion mm		0.03/100
工作台面的平行度 Parallelism of table surface to bottom mm		0.05
0°~360°回转时台面到底面的跳动 Run out of the table surface to the bottom turning in 0° ~360° mm		0.08
纵横移动的定位精度 Linear positioning accuracy mm		0.05/100
纵横移动的重复定位精度 Repeating accuracy mm		0.02



XC系列万能铣头

XC SERIES UNIVERSAL MILLING HEAD

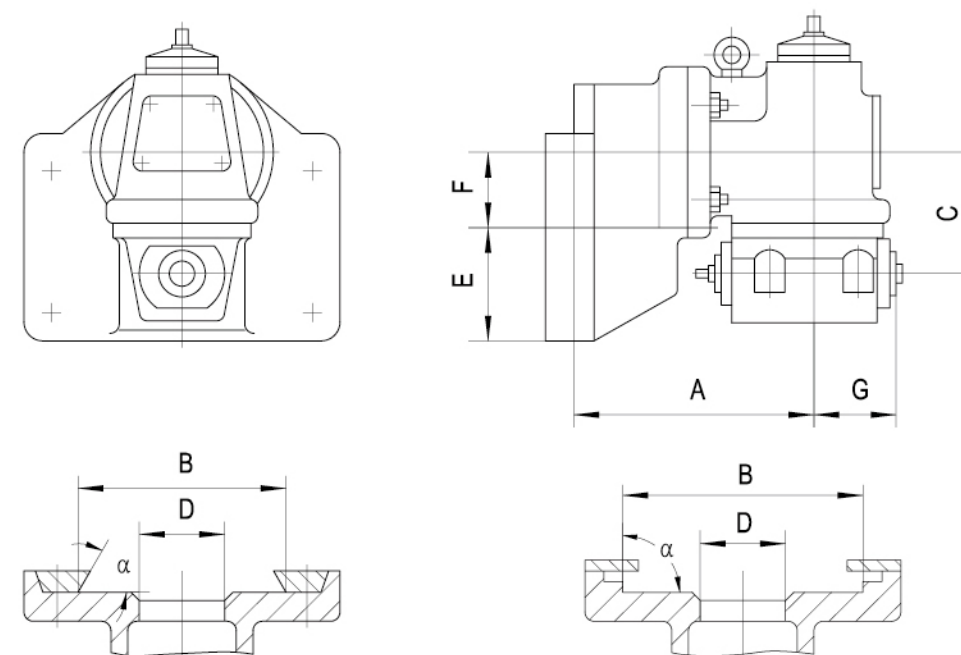
◆ 万能铣头主轴可以在相互垂直的两个回转平面内回转，不仅能完成立铣、平铣工作，而且可以在工件一次装夹中，进行各种角度的多面、多棱、多槽的铣削。特别适用于单件、小批及维修加工。

◆ The spindle of the XC series universal milling head can be turned into two rotary planes vertically each other. It not only can finish the works of vertical milling, horizontal milling, but also complete many planes, edges and flutes on varies of angles by once mounted. It especially fits for the machining of singles workpiece, small batches and servicing.

主要规格和参数: Main specifications

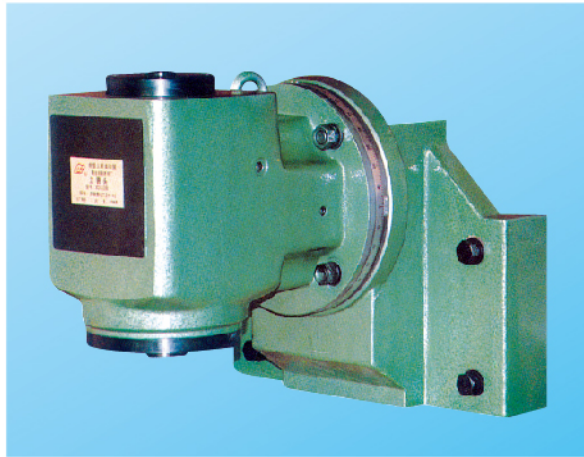
项目 Items 铣头型号 Model	铣头主轴 锥孔锥度 Taper of spindle bore	铣头回转角度 Rotating angles		配套 铣床型号	配套铣床 生产厂	与铣床 传动比	与铣床主轴 连接锥度
		水平 Horizontal	垂直 Vertical	Matched type with milling machine	Name of milling machine maker	Ratio with milling machine	Taper with spindle of milling machine
XC624A	MT4	360°	360°	X62 X62W X6132	长征、皖南 北一、江东、长春二机	1:1	7:24 (Φ69.85)
XC624C				X6132A	齐二、青海		
XC634A				X63 X63W B ₁ 400W	北一、蚌埠		
XC634C				X6040 X6140	齐二		
XC63T4A				X63T X63WT	上海四机 蚌埠		
XC624A1				XL6036A	鲁南机床		
XC624A3				XN6132	威达重工		7:24 (Φ44.45)
XC624C3-40	X6125			皖南机床			
XC624A-40	7:24 (Φ44.45)			X62 X62W X6132	长征、皖南 北一、江东、长春二机		7:24 (Φ69.85)
XC624C1-40				XW6032A	山东威达		
XC624C2-40				X6036	滕州		
XC644C				FX6045 FX6145	长征		

XC系列万能铣头安装尺寸图 Dimensional sketch



XC系列万能铣头安装尺寸参数 Installation sketch and dimensions:

项目 Items 铣头型号Model	A	B	C	D	E	F	G	α	毛重 GW kg	箱体尺寸 Case dimensions mm		
XC624A	340	320	140	Φ165	133	112	110	55°	147	575×520×480		
XC624C		340		Φ170					150	575×530×480		
XC634A	350	400		Φ165				55°	154	585×600×480		
XC634C				Φ170					162	595×605×480		
XC63T4A		360		Φ210				50°	156	585×575×480		
XC624A1	340	300		Φ190	110				147	575×520×480		
XC624A3	310	250		Φ150				55°	140	535×520×455		
XC624C3-40		252		Φ128.88					140	535×530×455		
XC624A-40	340	320		Φ165	133	112	120	55°	147	575×520×480		
XC624C1-40		300		Φ190					145	575×530×480		
XC624C2-40		320		Φ190				90°	145	575×530×480		
XC644C	470	500	221	260	160	112	170	90°	325	760×700×615		



XC系列立铣头

XC SERIES VERTICAL MILLING HEAD

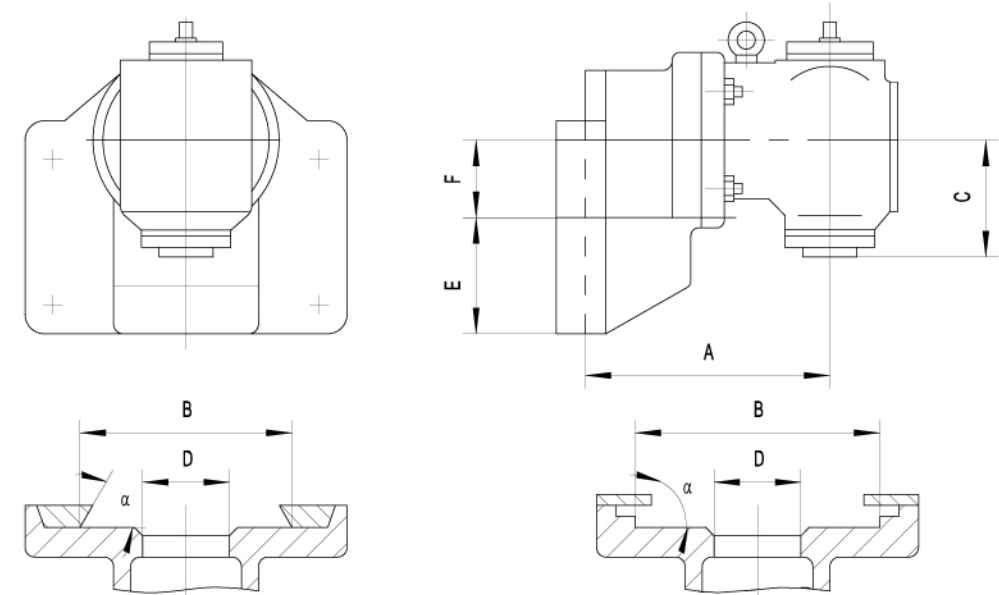
◆立铣头有一垂直的回转平面，主要用于立铣，可辅助机床加工不同角度平面、棱角和沟槽。主轴刚性强，传递功率大，是扩大卧式升降台铣床加工范围的重要附件。

◆The XC series vertical milling head have a upright rotary plane.It is mostly used in vertical milling and can help milling machine to perform the milling operation for planes,edges and flutes on all kinds of angles.It has rigid spindle and high great transferring power,and an important accessory for expanding area of horizontal down-up milling machine.

主要规格和参数: Main specifications

项目 Items 铣头型号 Model	铣头主轴 锥孔锥度 Taper of spindle bore	铣头回转角度 Rotating angles	配套 铣床型号 Matched type with milling machine	配套铣床 生产厂 Name of milling machine maker	与铣床 传动比 Ratio with milling machine	与铣床主轴 连接锥度 Taper with spindle of milling machine
XC57-32B	7:24 (Φ44.45)	360°	X57-3	宿迁、皖南	1:1.5	MT3
XC602B			X60 X60W	桂林 宿迁	1:1	7:24 (Φ44.45)
XC612B			X61 X61W X6130A	桂林、皖南、大连四机 齐二		
XC612C			X6130 X6130A	齐二 青海		
XC622B			X62 X62W X6132	长征、皖南 北一、江东、长春二机		
XC622C			X6132A	齐二、青海		
XC632B			X63 X63W B ₁ 400W	北一、蚌埠	7:24 (Φ69.85)	
XC632C			X6040 X6140	齐二		
XC63T2B			X63T X63WT	上海四机 蚌埠		
XC632BZ			X63 X63W B ₁ 400W	北一蚌埠		
XC632CZ	X6040 X6140		齐二			
XC642CZ	FX6045 FX6145		长征			
C3150×425L	X6142		蚌埠			
C3150×400L-1A	X6140A		桂林			
C3140×300L-1A	7:24 (Φ44.45)		X6130T	桂林		

XC系列立铣头安装尺寸图 Dimensional sketch



XC系列立铣头安装尺寸参数 Installation sketch and dimensions:

项目 Items 铣头型号 Model	A	B	C	D	E	F	α	毛重 GW kg	箱体尺寸 Case dimensions mm	
XC57-32B	255	192	127	Φ134	132	75	60°	76	430×410×415	
XC602B	265	250		Φ152	95	102	55°	82	440×435×405	
XC612B	254	280		Φ190	110		50°	84	430×465×420	
XC612C		300		Φ130	110		90°	88	440×480×420	
XC622B	360	320	154	Φ165	133	112	55°	150	575×520×475	
XC622C		340		Φ170			90°	155	575×530×475	
XC632B	370	400		Φ165			55°	158	585×600×475	
XC632C				Φ170	90°		168	595×605×475		
XC63T2B		360		Φ210	50°		160	585×575×475		
XC632BZ	400	400	170	Φ165	150		90°	55°	234	635×600×545
XC632CZ				Φ170				244	640×600×545	
XC642CZ	470	500		Φ260	160			274	710×700×555	
C3150×425L	400	350	170	Φ210	150			240	630×565×545	
C3150×400L-1A	400	420	170	Φ218	150				246	640×625×545
C3140×300L-1A	254	300	127	Φ168	110	102	88		440×480×420	