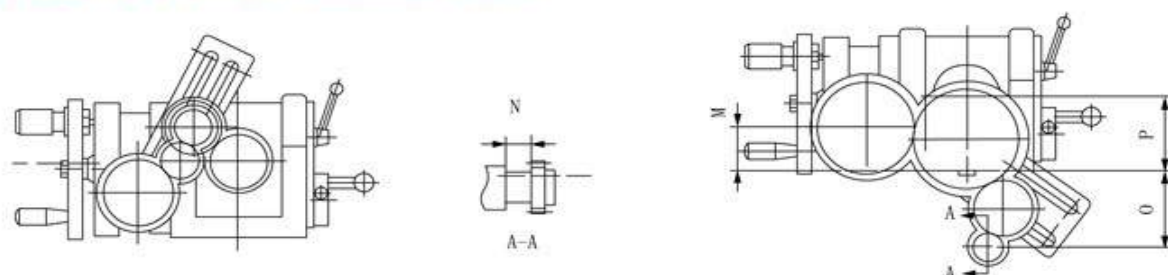




F11系列万能分度头安装尺寸图 DIMENSIONAL SKETCH



■ F11100A, F11125A, F11160A, F11200A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、阿基米德螺线凸轮等的加工工作。

■ 该产品还配有圆工作台，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，能随较大负荷。

■ F11100AL, F11125AL, F11160AL型万能分度头，分度手把为左置。

■ The universal dividing head, Type F11100A, F11125, F11160A, F11200A 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 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 customers special needed, the shafting is improved to support heavy load.

■ The universal dividing head, type F11100AL, F11125AL, F11160AL is the same as of the structures and the operation handle is

主要规格和参数: Main technical parameter:

项目 Items		规格 Specifications		F11100A	F11125A	F11160A	F11200A
中心高 Center height mm				100	125	160	200
主轴由水平位置向上转动的角度 Swivel angle of spindle from horizontal to upward				≤95°			
主轴由水平位置向下转动的角度 Horizontal position (downward)				≤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° (540grad, 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			
定位键宽度 Width of locating key mm		14		18			
主轴法兰盘定位短锥直径 Diameter of short taper of spindlenose for mounting flange mm		Φ41.275		Φ53.975	Φ53.975	Φ53.975	
分度盘孔数 Numbers of hole in dividing plate	第一面 1st plate	24, 25, 28, 30, 34, 37, 38, 39, 41, 42, 43					
	第二面 2nd 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 diving handle				±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		100		130	130	130	
净重 Net weight kg		67		101.5	113	130	
毛重 Gross weight kg		79		111.5	123	140	
箱体尺寸 Overall dimensions mm		616 × 465 × 265		635 × 530 × 530	710 × 535 × 342	710 × 535 × 342	

F11系列万能分度头安装尺寸参数: Installation sketch and dimensions:

Model	A	B	C	D	E	F	G	H	L	M	N	O	P
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	18	116	98	299	192	120	200	103	68.5	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 12 × change gear 千斤顶 Jack 顶尖 Center

分度盘 Dividing plate 法兰盘 Flange 三爪卡盘3-jaw chuck 圆工作台 (特殊订货) Round table (optional)

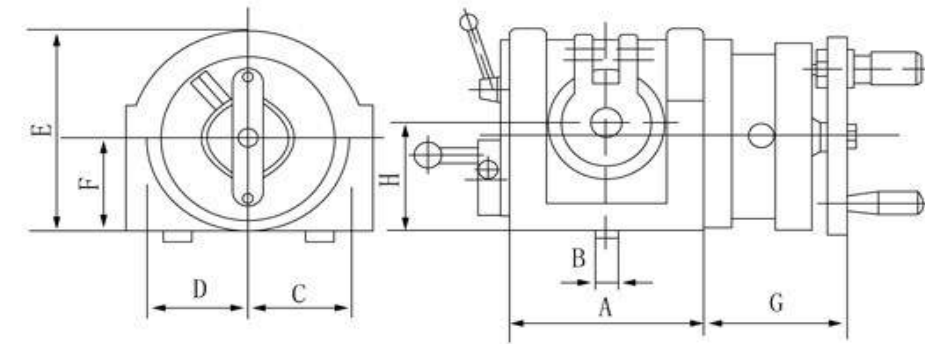


- F12系列半万能分度头是铣床上的主要附件之一，可用于简单分度也可将圆周分成任意等份的加工工作。
- F12系列为右手把。
- Type F12 series semi-universal dividing head is one of the most important attachment for milling machine. It can be used for simple indexing and divide circle into any equal parts, etc.
- The F12 series with right handwheel.

主要规格和参数: Main technical parameter

项目 Items	规格 Specifications	F12100	F12125	F12160	F12200
中心高 Center height mm		100	125	160	200
主轴由水平位置向上转动的角度 Swivel angle of spindle from horizontal to upward		≤95°			
主轴由水平位置向下转动的角度 Horizontal position (downward)		≤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° (540grad., 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		
定位键宽度 Width of locating key, mm		14	18		
主轴法兰盘定位短锥直径 Diameter of short taper of spindle nose for mounting flange mm		Φ41, 275	Φ53, 975	Φ53, 975	Φ53, 975
分度盘孔数 Numbers of hole in dividing plate	第一面 1st plate	24, 25, 28, 30, 34, 37, 38, 39, 41, 42, 43			
	第二面 2nd 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 diving handle		±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		100	130	130	130
净重 Net weight kg		57	83.5	100	130
毛重 Gross weight kg		69	96	114	140
箱体尺寸 Overall dimensions mm		610 × 495 × 255	536 × 460 × 310	710 × 505 × 342	710 × 535 × 342

F12系列万能分度头安装尺寸图 DIMENSIONAL SKETCH



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

Model	A	B	C	D	E	F	G	H	L	M	N	O	P
F12100	162	14	102	87	186	95	116	100	93	54.7	30	100	100
F12125	209	18	116	98	224	117	120	125	103	68.5	34.5	100	125
F12160	209	18	116	98	259	152	120	160	103	68.5	34.5	100	160
F12200	209	18	116	98	299	192	120	200	103	68.5	34.5	100	200

注: 配带附件 Accessories

尾座 Tailstock 顶尖 Center 分度盘 Dividing plate 法兰盘 Flange 三爪卡盘 3-jaw chuck

圆工作台 (特殊订货) Round table (optional)

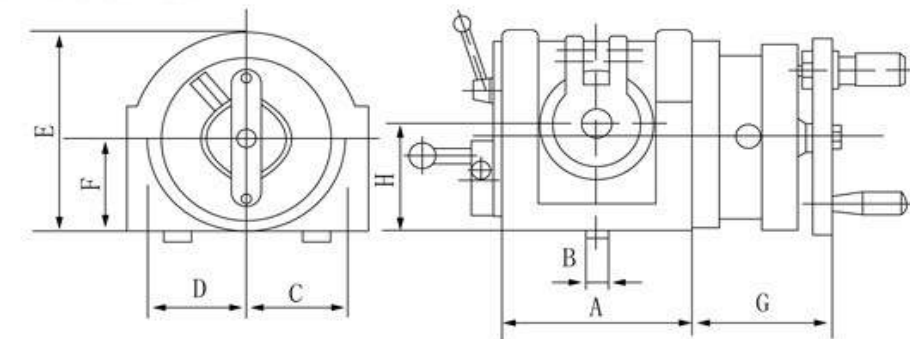


- 重型F12系列半万能分度头是大型铣床上的主要附件之一，可用于简单分度也可将圆周分成任意等份等的加工工作。
- F12系列为右手把。
- Heavy F12 series semi-universal dividing head is one of the most important attachment for Big milling machine. It can be used for simple indexing and divide circle into any equal parts, etc.
- The F12 series with right handwheel.

主要规格和参数: Main technical parameter

项目 Items	规格 Specifications	F11200	F11260	F11300	F11400	F12500	F121000
中心高 Center height mm		200	260	300	400	500	1000
主轴由水平位置向上转动的角度 Swivel angle of spindle from horizontal to upward		≤95°	≤95°	≤95°	≤95°	≤95°	≤95°
主轴由水平位置向下转动的角度 Horizontal position (downward)		≤5°	≤5°	≤5°	≤5°	≤5°	≤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°	9°	9°	9°	9°	9°
游标最小示值 Min. reading of vernier		10"	10"	10"	10"	10"	10"
蜗杆副传动比 Worm gear ratio		1 : 40	1 : 40	1 : 40	1 : 40	1 : 40	1 : 40
主轴孔锥度 (莫氏) Taper of spindle bore		MT6	MT6	MT6	MT6	MT5	MT5
定位键宽度 Width of locating key mm		18/20	18/20	18/20	18/20	22	22
主轴法兰盘定位短锥直径 Diameter of short taper of spindle nose for mounting flange mm		Φ82.563	Φ82.563	Φ82.563	Φ82.563	Φ106.375	Φ212.375
分度盘孔数 Numbers of hole in dividing plate	第一面 1st. plate	24, 25, 28, 30, 34, 37, 38, 39, 41, 42, 43					
	第二面 2nd. 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 diving handle		80"	80"	80"	80"	500	1000
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"	±70"	±70"	±70"		±1"
最大承载 Max. bearing kg		380	380	380	380	100	500

F12系列半万能分度头安装尺寸图 DIMENSIONAL SKETCH



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

Model	A	B	C	D	E	F	G	H
F12500	490	22	300	330	790	500	160	500

注: 配带附件 Accessories

尾座 Tailstock 分度盘 Dividing plate 法兰盘 Flange 三爪卡盘 3-jaw chuck 圆工作台 (特殊订货) Round table (optional)

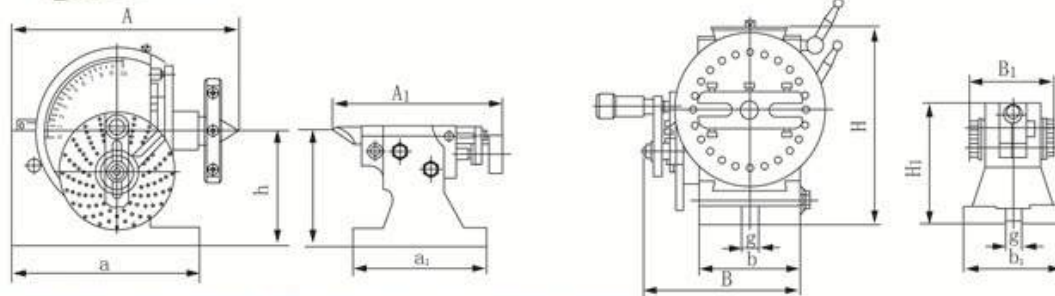
BS系列万能分度头 BS SERIES UNIVERSAL DIVIDING HEAD

分度头

半万能分度头是简易的分度中心，可直接、间接分度，完成面、槽、齿加工，不需配件。但整体结构与万能分度头相同，快速分度的24孔直接进行2、3、4、6、8、12、24等分度，随机附3个分度板间接分度等分数2-50，51-380。

Features:

Semi-Universal Dividing Head is a simple Index Center and can be used for direct and indirect dividing. Complete the gear, face, flute processing and no need accessories, but the whole construction is the same as universal type. The 24 quick-dividing holes can complete 2, 3, 4, 6, 8, 12, 24 division indexing. Attaches 3 dividing plate along with the dividing head indirect dividing in any division indexing 2-50, 51-380.



SEMI-UNIVERSAL INDEX CENTER B&S TYPE NO.0, NO.1 (HEAD-STOCK)

Model	A	B	H	h	a	b	g	Taper of Center	Diameter of Spindle hole	N.W. (kg)
BS-0	193	140	173	100	166	90	16	MT2	18	23.8
	7.59	5.51	6.81	3.93	6.53	3.54	0.63	B&S NO. 7		
BS-1	242	168	220	128	206	113	16	MT3	20	35.8
	9.52	6.61	8.66	5.04	8.11	4.45	0.63	B&S NO. 9		

STANDARD ACCESSORIES

Dividing plate A, B, C.

Numbers of holes of dividing plate (worm gear reduction ratio 1 : 40)

Numbers of hole	Plate A	15	16	17	18	19	20
	Plate B	21	23	27	29	31	33
	Plate C	37	39	41	43	47	49

SEMI-UNIVERSAL INDEX CENTER B&S TYPE NO.0, NO.1 (TAIL-STOCK)

Model	A1	B1	H1	h	a1	b1	g1	N.W. (kg)	Measurement m ³
BS-0	175	87	107	100	130	92	16		Packed with the Dividing Head
	6.89	3.42	4.21	3.93	5.12	3.62	0.63		
BS-1	183	87	137	128	158	110	16		Packed with the Dividing Head
	7.20	3.42	5.39	5.04	6.22	4.33	0.63		

OPTIONAL ACCESSORY

3-jaw Chuck

4" or 5" 3-jaw Chuck for BS-0

5" or 6" 3-jaw Chuck for BS-1

6" or 7" or 8" 3-jaw Chuck for BS-2

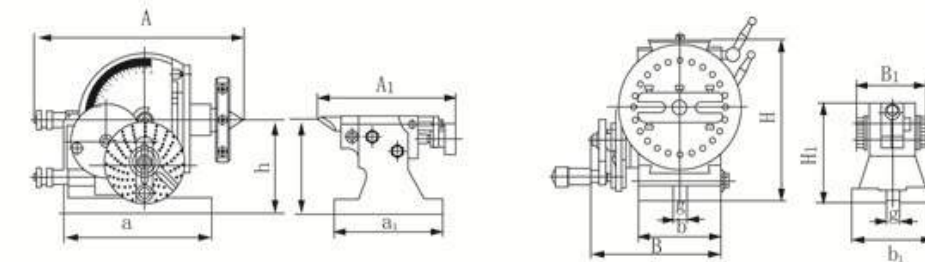


万能分度中心 (分度头)

万能分度头为综合型辅助设备，分度精确，操作灵活及螺旋连作较以往加工倍速提高效率。中心面可在仰角90° 俯角10° 间任意调节，此中心适用于高标准的检验及测试，为保证客户满意蜗轮副设计为1 : 40。

Features:

The Universal dividing head (Index Center) has been designed to carry out all types of gear cutting. Precision dividing and spiral word with greater precision and efficiency than before. The center face can adjust from elevation 90 to depression 10, it suits for high standard inspection and test. In order to satisfied customers, the worm gear ratio is designed for 1 : 40.



UNIVERSAL INDEX CENTER B&S NO.2 (HEAD-STOCK)

Model	A	B	H	h	a	b	g	Work hole taper	N.W. (kg)
BS-2	370	280	236	133	212	134	16	MT4	73
	14.57	11.02	9.29	5.24	8.35	5.28	0.63	B&S NO. 10	

UNIVERSAL INDEX CENTER B&S NO.2 (TAIL-STOCK)

Model	A1	B1	H1	h	a1	b1	g1	N.W. (kg)	Measurement m ³
BS-2	183	87	156	133	175	122	16		Packed with the Dividing Head
	7.2	3.42	6.14	5.24	6.89	4.80	0.63		

STANDARD ACCESSORIES

Dividing plate A, B, C.

Numbers of holes of dividing plate (worm gear reduction ratio 1 : 40)

Numbers of hole	Plate A	15	16	17	18	19	20
	Plate B	21	23	27	29	31	33
	Plate C	37	39	41	43	47	49



型号: BS-3

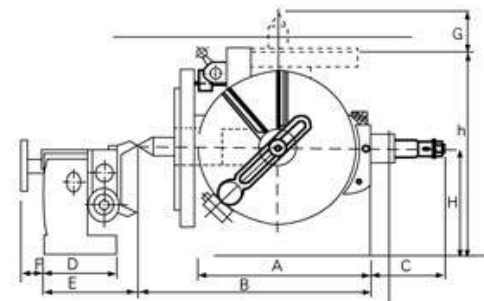
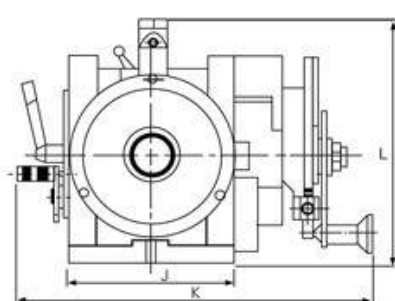
- 可作简易型分度, 透过搭配齿轮或传动齿轮组, 亦可作螺旋切削
- 采55mm(深度)主轴中心孔径贯穿设计, 适用于强力切削, 稳定性更高
- 可倾斜0~90度, 采MT6锥度顶针
- 主轴、蜗杆采用高级钢材制成, 经热处理、精密研磨, 具耐用性及精度, 蜗轮采用钢材, 以增加其延展性

标准配件

- 尾座
- 最高中心距为: 165mm
- 最低中心距为: 38mm
- 蜂巢板 (蜗杆及蜗轮之减速比40:1)
- A面孔数: 24, 25, 28, 30, 34, 37, 39, 41, 42, 43
- B面孔数: 46, 47, 49, 51, 53, 54, 57, 58, 59, 62, 66
- 12片齿轮组: (24, 28, 32, 38, 40, 44, 48, 56, 64, 72, 86, 100)
- 传动齿轮组
- 中心轴/轴轮架

FEATURES:

- The BS-3 is designed and made according to characteristics and advantages to all kinds of dividing heads, suitable for general dividing, gear and rack spindle cutting, in many use.
- Designed for super hole 55.5mm of diameter, shaft hole. Slope of end hole is Morse's taper No. 6 and the BS-3 can be adjusted from being level or vertical (0° ~ 90°)
- All the BS-3's shaft, spindle center, worm and gear are made of super steels through grinding, heat treatment, to achieve rigid construction.
- Its tailstock designed in dovetail joint, very strong in structure which is available for heavy-duty load, also the degree can be adjusted in every direction.
- The ratio of worm and worm gear is 1:40.
- The Dividing plate is available in two sides, A and B. A Face 24, 25, 28, 30, 34, 37, 39, 41, 42, 43, B Face 46, 47, 49, 51, 53, 54, 57, 58, 59, 62, 66.
- The changeable gears are 24, 28, 32, 38, 40, 44, 48, 56, 64, 72, 86 and 100
- Standard accessories are: Center, Carrier, Gear Bracket, Gear Set.
- Center Height of Tail Stock
- Max. 165mm
- Min. 38mm



规格表

型号	A	B	C	D	E	F	G
BS-3	245	921/23	322	1211/16	152	6	166
型号	H	h	J	K	L	重量 (kg)	
BS-3	143	55/8	278	1015/16	194	75/8	465

迷你型立卧两用分度盘
MINI SERIES ROTARY TABLE

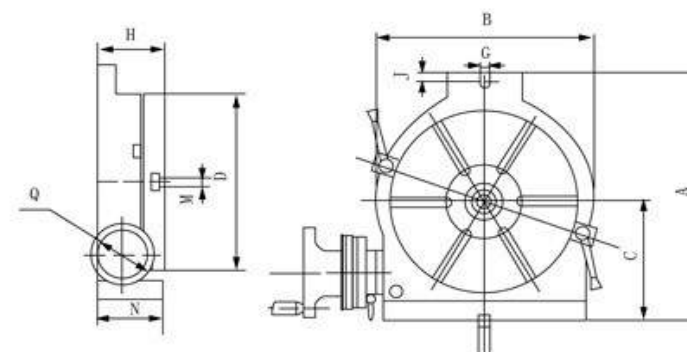


主要规格和参数: Main technical parameter:

项目 Items	规格 Specifications	3"	4"	5"
工作面直径 Table diameter mm		Φ76.2	Φ110	Φ127
台面中心孔锥度 (莫氏) Morse taper of the center hole		MT2		
工作台垂直时中心高 Height of center for Vert. mounting mm		59	81.5	90
台面T型槽宽度 Width of the T-slot mm		8	12	12
台面T型槽相邻角度 Adjacent angle of table T-slot		90°	120°	120°
定位键宽度 Width of the locating key mm		12	12	12
蜗杆副模数 Module of the worm gear		1	1	1
蜗杆副传动比 Transmission ratio of the worm gear		1:36	1:72	1:72
工作台圆周刻度 Graduation of the table		360°	360°	360°
蜗杆每转所代表的转台度数 Rotating angle of table with one revolution of the worm		10°	5°	5°
游标最小示值 Minimum value of vernier				
分度精度 Indexing accuracy				
最大承载 (卧式) Max. bearing (with table Hor.) kg		100	150	200
最大承载 (立式) Max. bearing (with table Vert.) kg		50	75	100

- 迷你型立卧两用分度盘是小型及家用铣床的主要附件之一, 可用在铣床进行分度钻孔式铣削, 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作进行圆周分度钻削和铣削。

- mini H/V rotary table is one of the main accessories of DIY and home use milling machines it is used for index boring, milling, circle cutting, spot facing and boring hole etc on milling machine. Rotary table in vertical with tailstock working together, it can used on complex work for circle index boring and milling.



Model	HV-3"	HV-4"	HV-5"
A	98	145	155
B	78	114	127
C	59	85.5	90
D	Φ76.2	Φ110	Φ127
E	12	12	12
G			
H	83	85	85
J			15
M	MT2	MT2	MT2
N	71	68	68



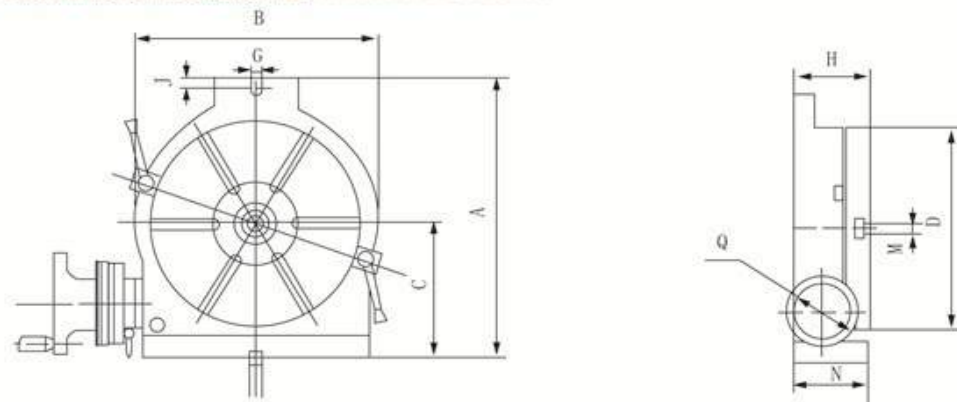
■ TSL型立卧回转工作台是铣床的主要附件之一，可用在铣床上进行分度钻孔或铣削，圆周切削，镗孔铰平面等工作。工作台垂直位置与尾座配合使用时，还可对较复杂的工作进行圆周分度钻削和铣削。

■ 根据用户特殊要求，可提供手轮左置转台TSL系列。

■ TSL vertical&horizontal rotary table is one of the main accessory of milling machine, it is used for index boring, milling, circle cutting, spot facing and boring hole etc on milling machine. Rotary table in vertical with tailstock working together, it can used on complex work for circle index boring and milling.

■ As clients' special requirements the TSL with left handwheel can be offered.

TSL系列回转工作台安装尺寸图 DIMENSIONAL SKETCH



主要规格和参数: Main technical parameter:

项目 Items	规格 Specifications	TSL150(HV-6)	TSL200(HV-8)	TSL250(HV-10)	TSL300(HV-12)	TSL350(HV-14)	TSL400(HV-16)
工作面直径 Table diameter mm		Φ150	Φ200	Φ250	Φ300	Φ350	Φ400
台面中心孔锥度 (莫氏) Morse taper of the center hole		3#			4#	4#	4#
工作台垂直时中心高 Height of center for Vert. mounting mm		100	135	165	195	230	260
台面T型槽宽度 Width of the T-slot mm		12			14		
台面T型槽相邻角度 Adjacent angle of table T-slot		90°			60°		
定位键宽度 Width of the locating key mm		16			18		
蜗杆副模数 Module of the worm gear		1.5		2		2.5	3.5
蜗杆副传动比 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		100	150	200	250	300	350
最大承载 (立式) Max bearing (with table Vert.) kg		50	75	100	125	150	175

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

Model	TSL150(HV-6)	TSL200(HV-8)	TSL250(HV-10)	TSL300(HV-12)	TSL350(HV-14)	TSL400(HV-16)
A	200	265	325	388	450	525
B	160	220	280	330	390	450
C	100	135	165	195	230	260
D	Φ150	Φ200	Φ250	Φ300	Φ350	Φ400
E	16					18
G	17					
H	83	105	115	135	138	150
J	10	10	15			
M	MT2	MT3	MT4			
N	78	98	113	133	128	145
净重 Net weight kg	14	28	43	71	83	93
毛重 Gross weight kg	15	30	45	73	85	95
箱体尺寸(mm) Case dimensions	27×24×13	38×30×16	45×35×18	55×45×19	55×48×19	55×50×20

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, 为特殊订货所提的分度盘附件可实现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。

■ TS...A series rotary table is one of the most important accessory of milling machine. It is widely used for index boring, milling, circle cutting, circle curve plane and segment etc operation.

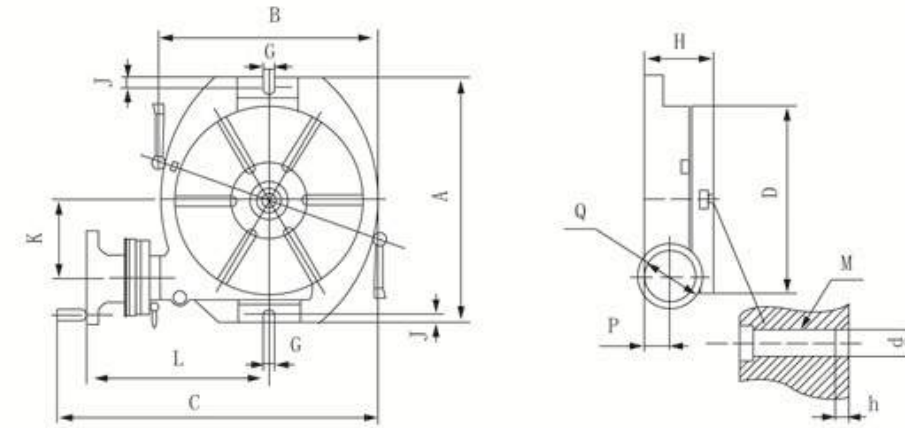
■ As a option, different table supply different flange, flange will be packed separately, otherwise, dividing plates which provides from the option can indexing all of the integer between 2 and 66 also can indexing the numbers between 67 and 132 which can be divided exactly by number 2, 3 and 5.

主要规格和参数: Main technical parameter:

项目 Items	规格 Specifications	TS160A	TS200A	TS250A	TS320A	TS400A	TS500A	TS630A	TS800A	TS1000A
工作面直径 Table diameter mm		Φ160	Φ200	Φ250	Φ320	Φ400	Φ500	Φ630	Φ800	Φ1000
台面中心孔锥度 (莫氏) Morse taper of the center hole		2#	3#	4#	5#	6#				
台面T型槽宽度 Width of the T-slot mm		10	12	14	18	22				
台面T型槽相邻角度 Adjacent angle of table T-slot		90°	60°	45°						
定位键宽度 Width of the locating key mm		12	14	18	—	—	—	—		
工作台周刻度 Graduation of the table		360°								
游标最小示值 Minimum value of vernier		10°								
分度精度 Indexing accuracy		80°	60°							
工作台最大承载 Max. workload kg		100	150	200	250	300	550	700	1200	2000
净重 Net weight kg		16.5	22.5	33.5	65	125	215	345	800	1300
毛重 Gross weight kg		21.5	31	44.5	76	145	238	377	855	1400
箱体尺寸		400 × 330 × 200	400 × 360 × 200	500 × 400 × 210	580 × 480 × 330	750 × 616 × 380	850 × 730 × 480	995 × 900 × 580	1175 × 1090 × 680	1430 × 1224 × 780

TS...A系列回转工作台 TS...A SERIES ROTARY TABLE

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:

Model	TS160A	TS200A	TS250A	TS320A	TS400A	TS500A	TS630A	TS800A	TS1000A
A	260	290	330	410	530	640	920	1000	1170
B	196	238	286	360	450	560	700	890	1080
C	332	368	422	493	612	753	898	1090	1295
D	Φ160	Φ200	Φ250	Φ320	Φ400	Φ500	Φ630	Φ900	Φ1000
G	12	14	18	22	22	—			
H	75	80	90	110	140	158.5	160	215	250
J	12	14	18	22	30	—			
K	76	91.25	102.5	128.5	180	230	295	364	364
L	194	211	241	273	337	383	488	535	654
M	MT2	MT3	MT4	MT5	MT6				
P	27	27	30.5	44	60	65	60	78	108
Q	125	160	180	220	250				
d	Φ25	Φ30	Φ40	Φ50	Φ50				
h	6	10	12	14					

特殊订货 Optional:



■ 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到下132间能被2、3和5整除的所有整数的分度。

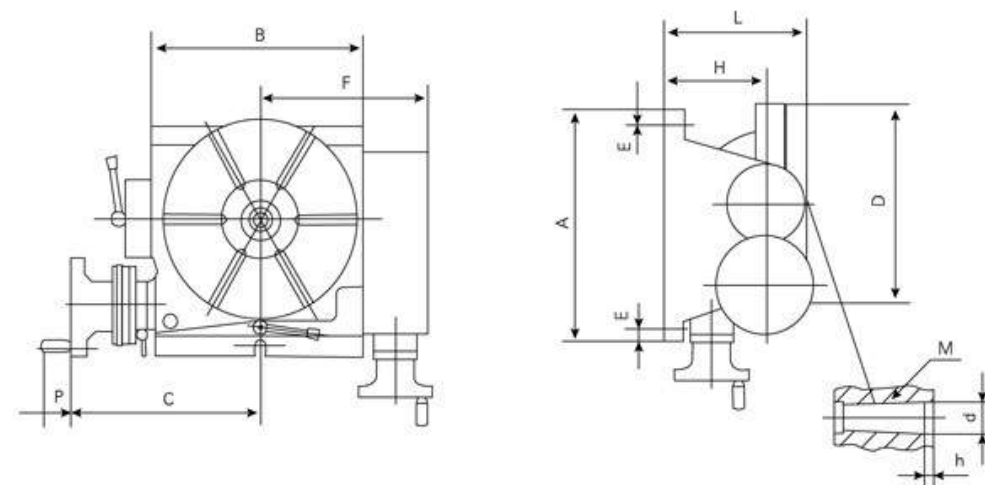
■ The TSK series tilting rotary tables are one of main accessories for milling, boring and drilling machines. They can be used for machining the oblique hole or surface and hole of compound angle at one set-up. Besides this, it is so designed as to be used in a vertical position to carry out center work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

项目Items	规格Specifications	TSK160	TSK250	TSK320	TSK400
工作台直径 Diameter of table mm		Φ160	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 X 6	Φ30 X 6	Φ40 X10	
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	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	200	250	300
最大承载 (立式) Max. bearing (with table Vert.)k.g		50	100	125	150
净重 Net weight Kg		36	80	135	280
毛重 Gross weight Kg		44	93	150	305
箱体尺寸 Overall dimensions mm		425 X 380 X 300	550 X 430 X 330	630 X 490 X 395	830 X 600 X 460

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	F25	Φ30		40	
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



Model No. CS-6

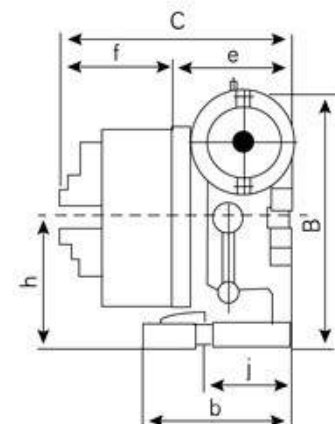
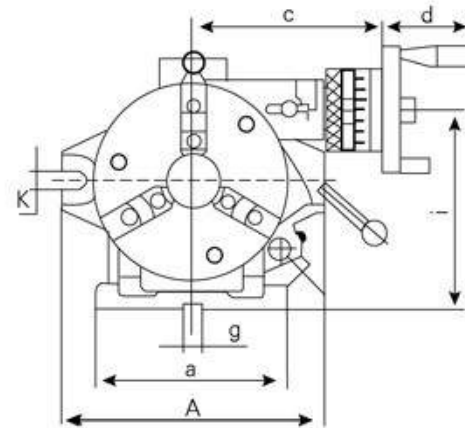
FEATURES

- Solid Meehanite casting, specially designed for milling, drilling and boring.
- Hardened and ground 24 position master plate.
- Hardened and ground worm gear.
- Precision ground steel spindle.
- Heavy duty shoe type spindle brake ensuring maximum rigidity for milling cuts.
- 360° Graduated ring.
- Chrome plated graduated ring with five minute vernier reading.
- The center through hole is big to be suitable for the large and long workpiece.
- Used the key guide block, the center can be corrected both quickly and accurately.
- Eccentric worm housing for spindle disengagement.
- When the chuck is removed the unit can be used as a horizontal and vertical type rotary table.
- The operating handle to rotary table worm gear reduction ratio is 1:90.
- Horizontal and vertical mounting positions.

Standard Accessories

- 3-jaw chuck
- Six masking plates (2, 3, 4, 6, 8 & 12 position)
- T-slotted face plate (8" or 10")

ACCURACY for CS-6, 8 CC-6, 8	TOLERANCE (Max.)
Parallelism of table surface to base	.0006" .015m/m
Axial movement of table surface	.0006" .015m/m
True running of center boss	.0004" .01m/m
Squareness of base to angle face per 12"	.0008" .02m/m
Positioning accuracy	45 sec.



SPECIFICATIONS

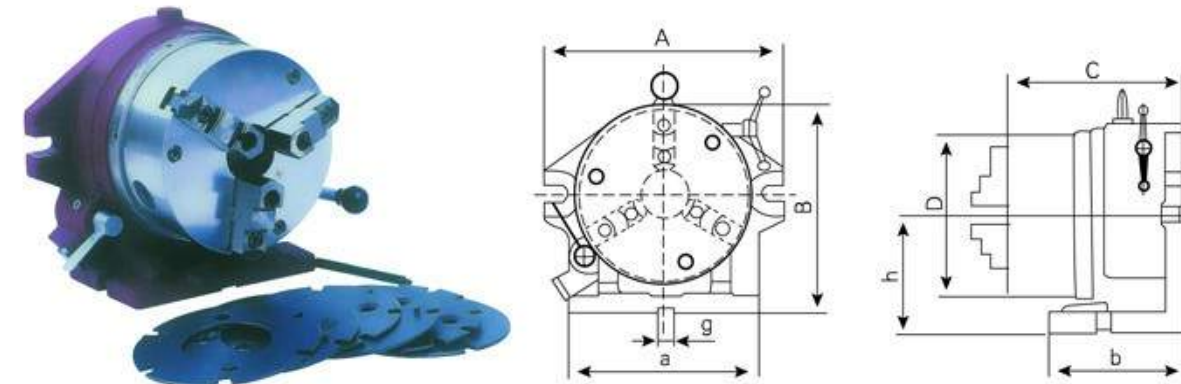
Unit: mm/inches

MODEL NO.	Chuck				Face Plate	
	Outer Dia.	Thru Hole Dia.	Inner Jaw	Outer Jaw	Outer Dia.	Thickness
CS-6	160 6.30	40 1.57	3~55 0.12~2.17	55~145 2.17~5.71	205 8.07	40 1.57
CS-8	200 7.87	65 2.56	4~85 0.16~3.35	65~200 2.55~7.87	254 10	42 1.65

MODEL NO.	Guide Block	Turret Hole Dia.	A	B	C	a	b	c	d	e	f	g	h	i	j	k	Gross Weight kgs./lbs
CS-6	16 0.63	50 1.97	250 9.84	238 9.37	207 8.15	182 7.17	140 5.51	186 7.32	93 3.66	112 4.41	65 2.56	16 0.63	122 4.80	191 7.52	80 3.15	16 0.63	48 105
CS-8	16 0.63	63 2.48	320 12.60	294 11.57	235.5 9.27	230 9.06	160 6.30	213 8.39	93 3.66	126.5 4.99	75 2.95	16 0.63	155 6.10	234.67 9.24	95 3.74	20 0.79	74 162

立卧两用简易型分度盘

HORIZONTAL/VERTICAL BASIC INDEXING SPACERS



FEATURES

- Solid Meehanite casting, specially designed for milling, drilling and boring.
- Hardened and ground 24 position master plate.
- Precision ground steel spindle.
- Heavy duty shoe type spindle brake ensuring maximum rigidity for milling cuts. 360° graduation ring.
- Chrome plated graduated ring with five minute vernier reading.
- The center through hole is big to be suitable for the large and long workpiece.
- Used the key guide block, the center can be corrected both quickly and accurately.
- Horizontal and vertical mounting positions.

Standard Accessories

- 3-jaw chuck
- Six masking plates (2, 3, 4, 6, 8 and 12 position)

SPECIFICATIONS

Model No.	Chuck				Guide Block	Turret Hole Dia.	A	B	C	D	a	b	h	Cross Weight (kgs./lbs)
	Outer Dia.	Thru Hole Dia.	Inner Jaw	Outer Jaw										
CC-6	160 6.30	40 1.57	3~55 0.12~2.17	55~145 2.17~5.71	16 0.63	50 1.97	255 10.04	255 8.86	152 5.98	160 6.30	190 7.48	115 4.53	130 5.12	32 70
CC-8	200 7.87	65 2.56	4~85 0.16~3.35	65~200 2.56~7.87	16 0.63	63 2.48	320 12.60	272 10.71	174 6.85	200 7.87	230 9.06	154 6.06	154 6.06	52 114