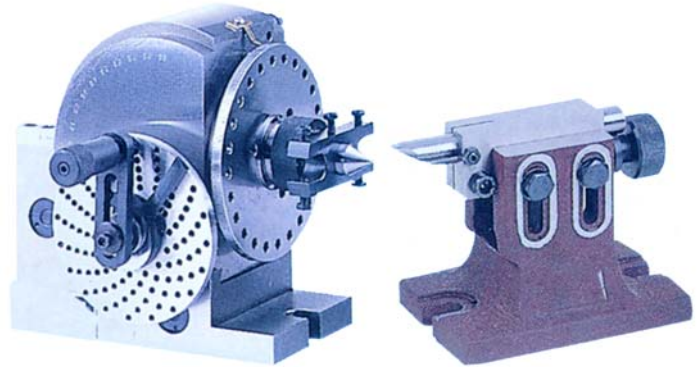


Machine Accessories

SEMI-UNIVERSAL DIVIDING HEADS

FEATURES

- Can be easily adjusted to any angle between -10° to $+90^{\circ}$ from a horizontal position.
- Hardened and ground spindleis rigidly held in a taper roller bearing.
- Divide any angle by the direct, indirect or differential methods.
- Spiral machining capability.
- All models have threaded spindle nose and 24 hole dividing plate with easy conversion to fast direct indexing on numbers 2,3,4,6,8,12, and 24.
- Hardened and ground worm gear has a 40 to 1 ratio.
- Positive locking mechanism uses a 360° brake shoe.
- Accurate precision, little back lash, fine appearance and strong structure so can assure smooth rotation.
- Three dividing plates are included.



Model No. 235-6300 / 235-6301

Standard Accessories



Number of the holes of Dividing Plates

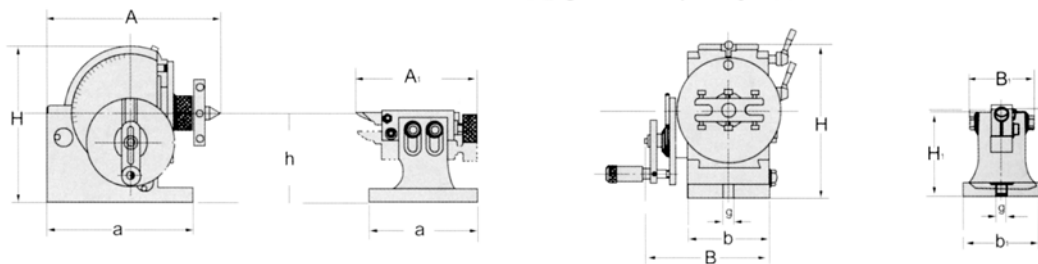
A-Plate 15,16,17,18,19,20

B-Plate 21,23,27,29,31,33

C-Plate 37,39,41,43,47,49

THREAD SPINDLE: Model No. 235-6300 1-1/2"-8 TPI

Model No. 235-6301 1-1/2"-8 TPI



Semi-Universal index B&S Type

No.0 No. 1 (Head-stock)

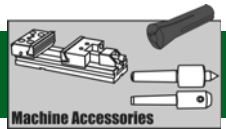
mm/inch

Model No.	A	B	H	h	a	b	g	Taper of center	Diameter of spindle hole
235-6300	193	131	173	100	166	90	16	B & S	18
	7.59	5.15	6.81	3.93	6.53	3.54	0.63	No.7	0.71
235-6301	242	168	220	128	206	113	16	B & S	20
	9.52	6.61	8.66	5.04	8.11	4.45	0.63	No.9	0.79

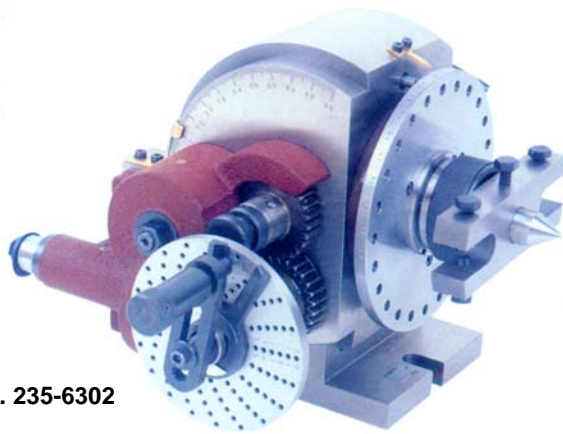
No.0 No. 1 (Tail-stock)

mm/inch

Model No.	A ₁	B ₁	H ₁	h	a ₁	b ₁	g ₁
235-6300	175	87	102	100	130	92	16
	6.89	3.24	4.02	3.93	5.12	3.62	0.63
235-6301	183	87	137	128	158	110	16
	7.20	3.24	5.39	5.04	6.22	4.33	0.63



UNIVERSAL DIVIDING HEAD

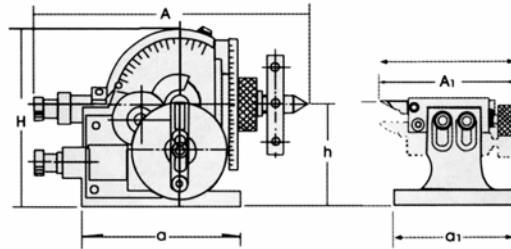
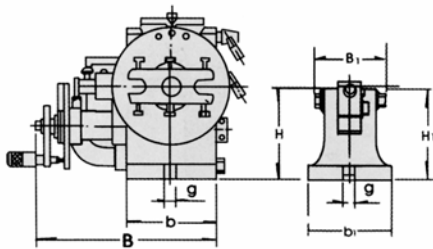


Model No. 235-6302

Standard Accessories



THREAD SPINDLE: 2-1/4"-8TPI



Universal index B&S Type

No.2 (Head-stock) mm/inch

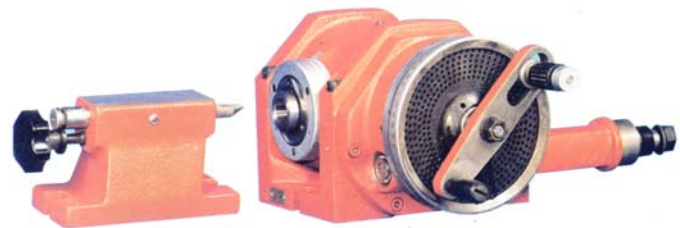
Model No.	A	B	H	h	a	b	g	Taper of center	Diameter of spindle hole
235-6302	370	280	236	133	212	134	16	B & S	25.4
	14.56	11.02	9.29	5.24	8.35	5.27	0.63	No.10	1

No.0 No. 1 (Tail-stock) mm/inch

Model No.	A ₁	B ₁	H ₁	h	a ₁	b ₁	g ₁
235-6302	183	87	156	133	175	122	16
	7.20	3.42	6.14	5.24	6.89	4.80	0.63

ACCURACY	MAXIMUM VARIATION
Center concentricity	0.0006" 0.015mm
Inside taper concentricity of dividing spindle	
(1) Measured at spindle nose	(1) 0.0004" 0.01mm
(2) Measured at arbor (8" long)	(2) 0.0012" 0.03mm
Axial movement of dividing spindle	0.0004" 0.01mm
Alignment of dividing head and tailstock	
(1) Vertical plane	(1) 0.0008" 0.02mm
(2) Horizontal plane	(2) 0.0008" 0.02mm
DIVIDING ACCURACY OF WORM DRIVE	
Maximum cumulative spacing error	1'30"

UNIVERSAL DIVIDING HEAD



Specification	Model No. 235-6008	Model No. 235-6100	Model No. 235-6125	Model No. 235-6160
Center height	80mm	100mm	125mm	160mm
Rotating angle of the spindle of the diving handle	9°			
Min. value of the vernier	10"			
Worm gear ratio	1:40			
Dia. of spindle register taper	36.541mm 1.441mm	41.275mm 1.63mm	53.975mm 2.13mm	53.975mm 2.13mm
Spindle taper	MT3	MT3	MT4	MT4
Width of the locating key	14mm	14mm	18mm	18mm
Hole No. of hole plate	first face: 24, 25, 28, 30, 34, 37, 38, 39, 41, 42, 43 second face: 46, 47, 49, 51, 53, 54, 57, 58, 59, 62, 66			
Mould of change gears	1.5	1.5	2	2
Teeth No. of change gears	25, 30, 35, 40, 50, 55, 60, 70, 80, 90, 100			
Accuracy of the dividing handle	60"	± 45"	± 45"	± 45"
Accuracy of each of quadrants	± 1"			