



HIGH PRECISION DIVIDING HEAD

550 series

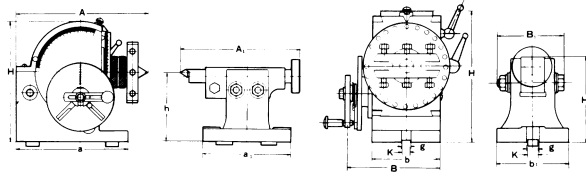
2 YEAR WARRANTY

FEATURES:

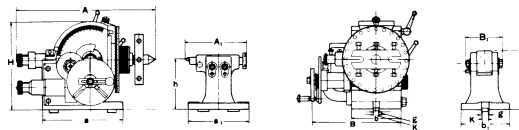
- ▶ Can be easily adjusted to any angle between -10° to +90° from a horizontal position
Divide any angle by the direct, indirect or differential methods
- ▶ Spiral machining capability
- ▶ Spindles with taper roller bearings are an integral part of all dividing heads
- ▶ Direct mounted index plate has 24 divisions
- ▶ Hardened and ground worm gear has a 40 to 1 ratio
- ▶ Positive locking mechanism uses a 360° brake shoe
- ▶ Face plate provided for use with Accu-Chuck®
- ▶ Optional Accu-Chucks® are available
- ▶ Three dividing plates are included
- ▶
- ▶



No. 550-030, -031 Semi-Universal



No. 550-032, -033 Universal Dividing Head



Inch/(mm)

SPECIFICATIONS	MAXIMUM VARIATION (inches / seconds)
Center concentricity	0.0004 (0.01)
Inside taper concentricity of dividing spindle	
Measured at spindle nose	0.0004 (0.01)
Measured at arbor (12" long)	0.0008 (0.02)
Axial movement of dividing spindle	0.0002 (0.005)
Alignment of dividing head and tailstock	
Vertical plane	0.0008 (0.02)
Horizontal plane	0.0008 (0.02)
Maximum cumulative spacing error	
Models 550-030, 550-031	1 minute
Models 550-032, 550-033	50 seconds

DIMENSIONS

MODEL	H	A	B	h	a	b	g	H1	A1	B1	a1	b1	g1	K
550-030	6.81 (173)	7.44 (189)	5.51 (140)	3.94 (100)	6.30 (160)	3.58 (91)	0.59 (15)	4.25 (108)	6.57 (167)	3.15 (80)	5.12 (130)	3.62 (92)	0.59 (15)	0.55 (14)
550-031	8.66 (220)	9.84 (250)	6.14 (156)	5.04 (128)	8.15 (207)	4.49 (114)	0.59 (15)	5.39 (137)	7.52 (191)	3.46 (88)	5.91 (150)	4.25 (108)	0.59 (15)	0.55 (14)
550-032	9.29 (236)	14.37 (365)	10.71 (272)	5.24 (133)	8.39 (213)	5.28 (134)	0.67 (17)	5.47 (139)	8.86 (225)	3.46 (88)	7.40 (188)	5.43 (138)	0.71 (18)	0.63 (16)
550-033	11.85 (300)	18.07 (459)	13.78 (350)	6.69 (170)	10.71 (272)	6.69 (170)	0.83 (21)	7.05 (179)	11.65 (295)	4.49 (114)	8.86 (225)	6.46 (164)	0.83 (21)	0.79 (20)

MODEL	SPINDLE THREAD (mm)	SIZE	WEIGHT lbs./(kg)	CENTER HOLE TAPER	CENTER HEIGHT	OPTION	
						CHUCK NUMBER	CHUCK DIAMETER
550-030	M30 X P3	6" Semi-Universal	50 (22.7)	B&S 7	3.937 (100)	585-005	5 1/4 (133)
550-031	M40 X P3	10" Semi-Universal	80 (36)	B&S 9	5.039 (128)	585-106	6 1/2 (165)
550-032	M55 X P3	10" Universal	175 (79.5)	B&S 10	5.236 (133)	585-108	8 1/4 (210)
550-033	M70 X P4	12" Universal	302 (137)	B&S 11	6.693 (170)	585-110	10 3/4 (273)

NOTE: Each unit is supplied with the Accu-Flange® plate.