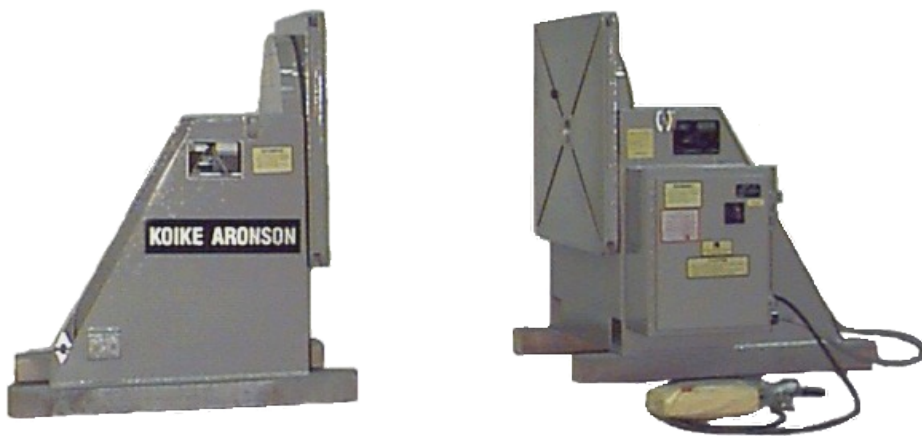


ARONSON Series

Fixed Height 2.5 ton to 10 ton Capacity



Koike Aronson / Ransome manufactures Head and Tailstock Positioners with a wide range of capacities and options. These units are a strong and simple solution for the rotation of long elliptical work pieces. When used together, they require much less floor space than a Gear Driven Positioner of similar capacity.

Head and Tailstock Positioners can be used like a lathe to maintain rotation around the horizontal axis. High quality positioned welds can be performed while saving production and handling costs. Depending on the industrial application these Positioners may be mounted on fixed bases, manually adjustable bases or powered bases.

**Capacities from 5,000 to 20,000 pounds
between Headstock and Tailstock**



KOIKE ARONSON, INC. / RANSOME

Features

- Piloted tables for centering loads
- NEMA 12 Electricals
- Full length table slots
- Chassis mounted weld current grounding blocks
- Low voltage hand control pendants
- 50:1 Variable speed drives
- AC brake motors



**Standard hand pendant
provided with all models**



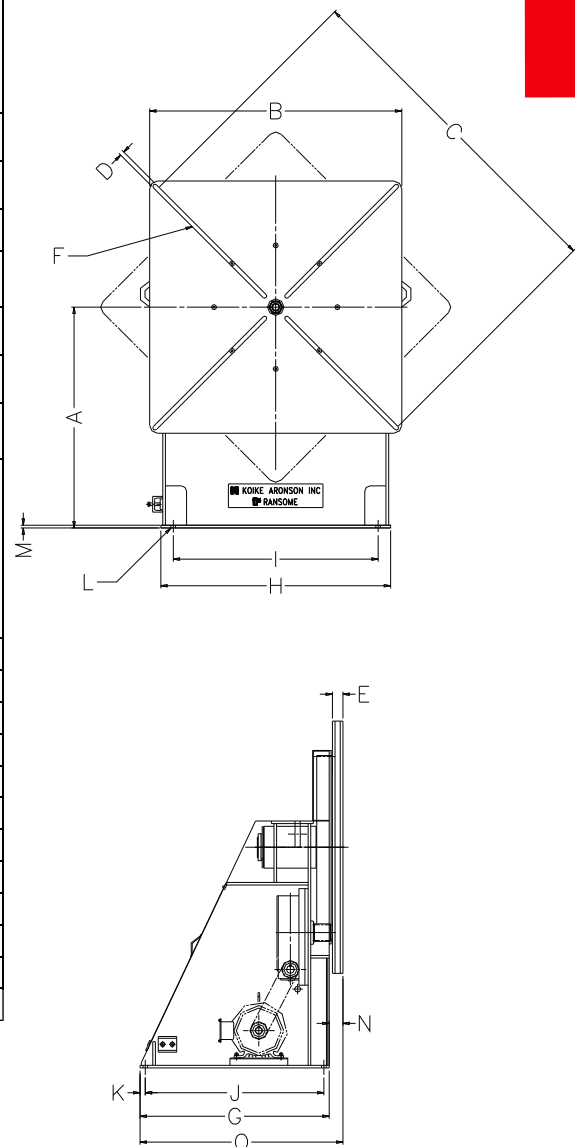
**Optional foot switch
controls available**

Specifications

HTS 5 to HTS 20

MODEL	HTS5	HTS9	HTS12	HTS20
Load Capacity, lb (kg) Max. Between Head & Tail	5,000 lb (2268)	9,000 lb (4082)	12,000 lb (5443)	20,000 lb (9072)
Overhung load 6" CG Height	2,500 (1134)	4,500 (2041)	6,000 (2721)	10,000 (4536)
on either or both 12" CG Height	1,500 (680)	2,700 (1225)	6,000 (2721)	10,000 (4536)
Head or Tailstock 18" CG Height	1,100 (499)	2,000 (907)	4,400 (1996)	7,350 (3334)
24" CG Height	850 (386)	1,550 (703)	3,450 (1565)	5,850 (2653)
30" CG Height	700 (317)	1,300 (590)	2,850 (1293)	4,850 (2200)
36" CG Height	600 (272)	1,100 (499)	2,400 (1089)	4,100 (1860)
42" CG Height	500 (227)	950 (431)	2,100 (952)	3,600 (1633)
48" CG Height	450 (204)	871 (395)	1,850 (839)	3,200 (1451)
54" CG Height	400 (181)	783 (355)	1,650 (748)	2,850 (1293)
60" CG Height	350 (159)	711 (323)	1,500 (680)	2,600 (1179)
72" CG Height	300 (136)	651 (296)	1,250 (567)	2,200 (998)
Tailstock model	TS 2	TS 4	TS 6	TS 10
Headstock model	HS 2VF	HS 4VF	HS 6VF	HS 10VF
Rotation: Torque, in-lb (N.m)	30,000 (3390)	54,000 (6102)	72,000 (8136)	120,000 (13560)
Rotation: Speed Range Motor HP (AC variable Frequency)	1.13 - 0.02 rpm 1-1/2	1.2 - 0.02 rpm 3	1.3 - 0.03 rpm 3	1.0 - 0.02 rpm 5
Pendant cable length	20'	20'	20'	20'
Ground current (Amps)	1500	1500	2000	2000
A: Rotation centerline height Matching Positioner	27-3/4" (705) HD25-HD45	27-3/4" (705) HD25-HD45	36" (914) HD60	36" (914) HD100
B: Table Size (Square)	30"(762)	30"(762)	48"(1219)	48"(1219)
C: Max. Clamping Dia.	38-1/2" (978)	38-1/2" (978)	64" (1626)	64" (1626)
D: No. of slots and width	(4) 13/16" (21)	(4) 13/16" (21)	(4) 13/16" (21)	(4) 13/16" (21)
E: Table Thickness	1-3/4" (44)	1-3/4" (44)	2" (51)	2" (51)
Pilot hole and Depth	3.130" x 1/2"	3.130" x 1/2"	3.130" x 1/2"	3.130" x 1/2"
Thru-hole	none	none	none	none
F: Table nut thread	3/4"-10	3/4"-10	3/4"-10	3/4"-10
Dim G	30" (762)	30" (762)	36" (914)	36" (914)
Dim H	30-3/4" (781)	30-3/4" (781)	43" (1092)	43-3/4" (1111)
Dim I	27" (686)	27" (686)	39" (991)	39" (991)
Dim J	27" (686)	27" (686)	34" (864)	34" (864)
Dim K	1-1/2" (38)	1-1/2" (38)	1" (25)	1" (25)
Dim L	13/16" (20.6)	13/16" (20.6)	7/8" (22)	7/8" (22)
Dim M	3/8" (9)	3/8" (9)	1/2" (13)	1/2" (13)
Dim N	2" (51)	2" (51)	2-1/2" (63)	2-1/2" (63)
Dim O	32" (813)	32" (813)	38-1/2" (978)	38-1/2" (978)
Approx. Weight HS lb (Kg)	1,210 (549)	1,270 (576)	2,650 (1202)	3,250 (1474)
Approx. Weight TS lb (kg)	950 (431)	1,015 (460)	2,354 (1068)	2,605 (1182)
Standard Voltage	460/3/60	460/3/60	460/3/60	460/3/60

All dimensions are for reference only and subject to change without notice.



ARONSON Series

Fixed Height 16 ton to 120 ton Capacity



Koike Aronson / Ransome manufactures Head and Tailstock Positioners with a wide range of capacities and options. These units are a strong and simple solution for the rotation of long elliptical work pieces. When used together, they require much less floor space than a Gear Driven Positioner of similar capacity.

Head and Tailstock Positioners can be used like a lathe to maintain rotation around the horizontal axis. High quality positioned welds can be performed while saving production and handling costs. Depending on the industrial application these Positioners may be mounted on fixed bases, manually adjustable bases or powered bases.

**Capacities from 32,000 to 240,000 pounds
between Head and Tailstock**



KOIKE ARONSON, INC. / RANSOME

Features

- Piloted tables for centering loads
- NEMA 12 Electricals
- Full length table slots
- Chassis mounted weld current grounding blocks
- Low voltage hand control pendants
- 50:1 Variable speed drives
- AC brake motors



**Standard hand pendant
provided with all models**

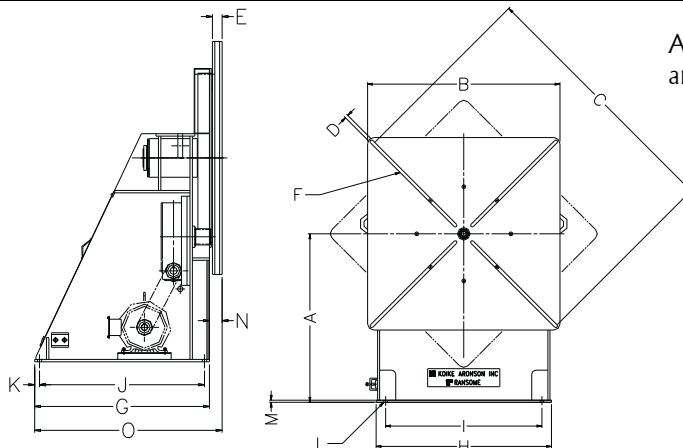


**Optional foot switch
controls available**

Specifications

HTS 32 to HTS 240

MODEL	HTS32	HTS40	HTS50	HTS60	HTS90	HTS160	HTS240
Load Capacity, lb (kg) Max. Between Head & Tail	32,000 lb (14515)	40,000 lb (18144)	50,000 lb (22680)	60,000 lb (27215)	90,000 lb (40823)	160,000 lb (72575)	240,000 lb (108862)
Overhung load 12" CG Height	16,000 (7257)	20,000 (9072)	25,000 (11340)	30,000 (13608)	45,000 (20214)	80,000 (36287)	120,000 (54431)
on either or both 18" CG Height	12,000 (5443)	15,000 (6804)	18,900 (8573)	22,850 (10364)	34,400 (15603)	61,150 (27737)	92,000 (41730)
Head or Tailstock 24" CG Height	9,600 (4354)	12,000 (5443)	15,200 (6895)	18,450 (8369)	27,850 (12632)	49,500 (22453)	75,000 (34019)
30" CG Height	8,000 (3629)	10,000 (4536)	12,750 (5783)	15,500 (7031)	23,400 (10614)	41,600 (18869)	63,000 (28576)
36" CG Height	6,850 (3107)	8,550 (3878)	10,950 (4967)	13,350 (6055)	20,150 (9140)	35,850 (16261)	54,000 (24494)
42" CG Height	6,000 (2721)	7,500 (3402)	9,600 (4354)	12,200 (5534)	17,700 (8028)	31,500 (14288)	48,000 (21772)
48" CG Height	5,300 (2404)	6,650 (3016)	8,550 (3878)	10,450 (4740)	15,800 (7167)	28,100 (12746)	42,000 (19051)
54" CG Height	4,800 (2177)	6,000 (2721)	7,700 (3493)	9,400 (4264)	14,250 (6464)	25,350 (11498)	38,000 (17236)
60" CG Height	4,350 (1973)	5,450 (2472)	7,000 (3175)	8,550 (3878)	13,000 (5897)	23,100 (10478)	35,000 (15876)
72" CG Height	3650 (1656)	4,600 (2086)	5950 (2699)	7,250 (3288)	11,000 (4989)	19,600 (8890)	30,000 (13608)
Tailstock model	TS 16	TS 20	TS 25	TS 30	TS 45	TS 80	TS 120
Headstock model	HS 16VF	HS 20VF	HS 25VF	HS 30VF	HS 45VF	HS 80VF	HS 120VF
Rotation: Torque, in-lb (N.m)	192,000 (21696)	240,000 (27120)	300,000 (33900)	360,000 (40680)	540,000 (61020)	960,000 (108480)	1,440,000 (162720)
Rotation: Speed Range Motor HP (AC variable frequency)	0.60 - 0.012 rpm 5	0.50 - 0.010 rpm 5	0.40 - 0.008 rpm 5	0.50 - 0.010 rpm 10	0.50 - 0.010 rpm 10	0.40 - 0.008 rpm 15	0.40 - 0.008 rpm 20
Pendant cable length	20'	20'	20'	20'	20'	20'	20'
Ground current (Amps)	2000	2000	2000	3000	3000	3000	3000
A: Rotation centerline height Matching Positioner	50" (1270) HD160	50" (1270) HD240	50" (1270) HD240	50" (1270) —	50" (1270) —	50" (1270) —	72" (1829) —
B: Table Size (Square)	54" (1372) 70" (1778)	54" (1372) 70" (1778)	60" (1524) 77" (1956)	54" (1372) 70" (1778)	54" (1372) 70" (1778)	54" (1372) 70" (1778)	84" (2134) 108" (2743)
C: Max. Clamping Dia.	70" (1778)	70" (1778)	77" (1956)	70" (1778)	70" (1778)	70" (1778)	108" (2743)
D: No. of slots and width	(4) 1-1/16" (27)	(4) 1-1/16" (27)	(4) 1-1/16" (27)	(4) 1-5/16" (33)	(4) 1-5/16" (33)	(4) 1-5/16" (33)	(4) 1-7/8" (48)
E: Table Thickness	2-1/2" (64)	2-1/2" (64)	2-3/4" (70)	2-3/4" (70)	3" (76)	3" (76)	3-1/2" (89)
F: Pilot hole and Depth	8.627" x 1"	8.627" x 1"	8.627" x 1"	12.253" x 1"	12.253" x 1"	12.253" x 1"	12.000" x 1-3/4"
G: Thru-hole	8-1/2" thru	8-1/2" thru	8-1/2" thru	11-7/8" thru	11-7/8" thru	11-7/8" thru	11-7/8" thru
H: Table nut thread	1"-8	1"-8	1"-8	1"-8	1.25"-7	1"-8	1-3/4"-8
Dim G	48" (1219)	48" (1219)	48" (1219)	50" (1270)	60" (1524)	60" (1524)	72" (1829)
Dim H	48" (1219)	48" (1219)	48" (1219)	52" (1321)	65" (1651)	65" (1651)	80" (2032)
Dim I	46" (1168)	46" (1168)	46" (1168)	46" (1168)	58" (1473)	58" (1473)	76" (1930)
Dim J	46" (1168)	46" (1168)	46" (1168)	46" (1168)	56" (1422)	56" (1422)	68" (1727)
Dim K	1" (25)	1" (25)	1" (25)	2" (51)	2" (51)	2" (51)	2" (51)
Dim L	1-1/16" (27)	1-1/16" (27)	1-1/16" (27)	1-5/8" (41)	2-1/8" (54)	2-1/8" (54)	2-1/8" (54)
Dim M	1-1/2" (38)	1-1/2" (38)	1-1/2" (38)	3/4" (19)	1" (25)	1" (25)	1-1/4" (32)
Dim N	2-3/4" (70)	2-3/4" (70)	2-3/4" (70)	2-3/4" (70)	3-1/2" (89)	3-1/2" (89)	4" (102)
Dim O	50-3/4" (1289)	50-3/4" (1289)	50-3/4" (1289)	52-3/4" (1340)	63-1/2" (1613)	63-1/2" (1613)	74" (1880)
Approx. Weight HS lb (kg)	5,100 (2313)	5,300 (2404)	5,820 (2640)	6,000 (2721)	9,532 (4234)	10,000 (4536)	21,850 (9910)
Approx. Weight TS lb (kg)	4,255 (1930)	4,255 (1930)	4,930 (2236)	5,000 (2268)	7,891 (3579)	8,960 (4064)	19,480 (8836)
Standard Voltage	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60



All dimensions are for reference only and subject to change without notice.