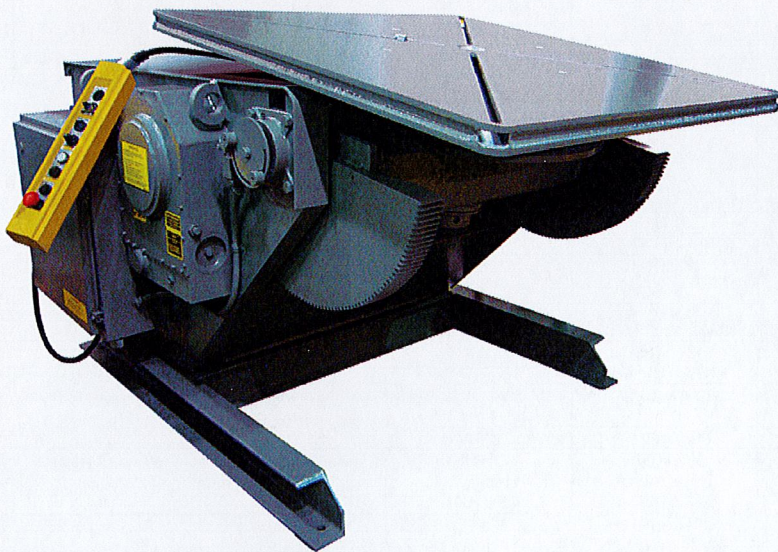


HD Series

HD25 to HD100



The HD25 to HD100 series positioners provide a mid-range lineup that can run around the clock. These machines are engineered to provide rugged performance, yet they can easily be transported through your facility.

Models larger than the HD25 utilize double tilt gears which stabilize loads and prevent chassis warpage. The entire series features up-right motors safely mounted within the chassis and straddle supported tilt pinions to prevent misalignment of the rotational drive gearing. This group of gear driven positioners are designed by Koike Aronson Inc./Ransome to offer the most in both performance and safety.

Capacities from 2,500 to 10,000 lb

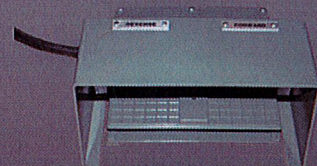


Features

- 135° powered forward tilt
- NEMA 12 Electricals
- Pin-through post manual height adjustment
- 90,000 psi aluminum-bronze low efficiency wormgear drive reduces back driving
- All steel welded gearboxes
- 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

HD25VF - HD100VF

SPECIFICATIONS	HD25VF	HD30VF	HD45VF	HD60VF	HD100VF
Tilt: Load torque lb-in (N.m)	31,875 (3602)	56,250 (6356)	84,375 (9534)	123,000 (13899)	205,000 (23165)
Rating lb (kg) @ 6 in (152mm) CG Height	2,500 (1134)	3,000 (1361)	4,500 (2041)	6,000 (2721)	10,000 (4536)
Rating lb (kg) @ 12 in (305mm) CG Height	1,700 (771)	3,000 (1361)	4,500 (2041)	6,000 (2721)	10,000 (4536)
Rating lb (kg) @ 18 in (457mm) CG Height	1,285 (583)	2,270 (1030)	3,400 (1542)	4,650 (2109)	7,700 (3493)
Rating lb (kg) @ 24 in (609mm) CG Height	1,035 (469)	1,830 (830)	2,750 (1247)	3,790 (1719)	6,300 (2858)
Rating lb (kg) @ 30 in (762mm) CG Height	875 (397)	1,530 (694)	2,300 (1043)	3,200 (1451)	5,300 (2404)
Rating lb (kg) @ 36 in (914mm) CG Height	750 (340)	1,300 (590)	1,975 (896)	2,750 (1247)	4,600 (2086)
Rating lb (kg) @ 42 in (1067mm) CG Height	650 (295)	1,100 (499)	1,720 (780)	2,400 (1089)	4,000 (1814)
Rating lb (kg) @ 48 in (1219mm) CG Height	580 (263)	1,000 (453)	1,530 (694)	2,200 (998)	3,600 (1633)
Rating lb (kg) @ 54 in (1371mm) CG Height	520 (236)	900 (408)	1,380 (626)	1,900 (862)	3,200 (1451)
Rating lb (kg) @ 60 in (1524mm) CG Height	470 (213)	830 (376)	1,250 (567)	1,700 (771)	3,000 (1361)
Rating lb (kg) @ 66 in (1676mm) CG Height	430 (195)	760 (345)	1,150 (522)	1,600 (726)	2,700 (1225)
Rating lb (kg) @ 72 in (1829mm) CG Height	400 (181)	700 (317)	1,100 (499)	1,500 (680)	2,500 (1134)
Rotation: Load torque lb-in (N.m)	15,000 (1695)	36,000 (4068)	54,000 (6102)	72,000 (8136)	120,000 (13560)
Rating lb (kg) 6 in (152mm) Eccentric	2,500 (1134)	3,000 (1361)	4,500 (2041)	6,000 (2721)	10,000 (4536)
Rating lb (kg) @ 12 in (305mm) Eccentric	1,250 (567)	3,000 (1350)	4,500 (2041)	6,000 (2721)	10,000 (4536)
Tilt: 135° in how many seconds	23 sec	20 sec	20 sec	24 sec	49 sec
Tilt Motor horse power	1 HP	2 HP	3 HP	3 HP	3 HP
Rotation: Speed range 50:1 AC Drive	2.0 - .040 rpm	1.2 - .024 rpm	1.2 - .024 rpm	1.5 - .030 rpm	1.0 - .020 rpm
Rotation motor horse power	1/4 HP	1 HP	1 1/2 HP	3 HP	5 HP
Pendant cable length (m)	20 ft (3.66)	20 ft (3.66)	20 ft (3.66)	20 ft (3.66)	20 ft (3.66)
A: Table size (mm)	30 x 30 in (762 x 762)	36 x 36 in (914 x 914)	36 x 36 in (914 x 914)	48 x 48 in (1219 x 1219)	48 x 48 in (1219 x 1219)
B: Maximum clamping diameter (mm)	38 1/2 in (978)	47 in (1194)	47 in (1194)	65 in (1651)	65 in (1651)
C: Number of slots and width (mm)	(Qty 4) 13/16 in (20.6)	(Qty 4) 13/16 in (20.6)	(Qty 4) 13/16 in (20.6)	(Qty 4) 13/16 in (20.6)	(Qty 4) 13/16 in (20.6)
Number of table nuts and thread (mm)	(Qty 4) 3/4 - 10	(Qty 4) 3/4 - 10	(Qty 4) 3/4 - 10	(Qty 4) 3/4 - 10	(Qty 4) 3/4 - 10
D: Pilot hole and depth (mm)	3.130 x 1/2 in (79.5 x 13)	3.130 x 1/2 in (79.5 x 13)	3.130 x 1/2 in (79.5 x 13)	3.130 x 1/2 in (79.5 x 12.7)	3.130 x 1/2 in (79.5 x 12.7)
E: Table thickness (mm)	1 3/4 in (44.4)	1 3/4 in (44.4)	1 3/4 in (44.4)	2 in (50.8)	2 in (50.8)
F: Inherent overhang (mm)	6 3/4 in (171.4)	6 3/4 in (171.4)	6 3/4 in (171.4)	8 1/2 in (215.9)	8 1/2 in (215.9)
Spindle OD bearing bore (mm)	2 1/2 in (63.5)	2 1/2 in (63.5)	3 in (76.2)	3 in (76.2)	4 in (101.6)
Hollow spindle diameter	None	None	None	None	None
Weld current conduction	1,500 Amp	1,500 Amp	2,000 Amp	2,000 Amp	2,000 Amp
G: Table flat, Minimum height (mm)	34 1/2 in (870)	34 1/2 in (870)	34 1/2 in (870)	44 1/2 in (1130.3)	44 1/2 in (1130.3)
Table flat, Maximum height (mm)	56 1/2 in (1435)	54 1/2 in (1384.3)	54 1/2 in (1384.3)	68 1/2 in (1740)	74 1/2 in (1892.3)
Adjustment increments (mm)	5 1/2 in (139.7)	5 in (127)	5 in (127)	6 in (152.4)	6 in (152.4)
H: Rotation axis, Minimum height (mm)	27 3/4 in (704.8)	27 3/4 in (704.8)	27 3/4 in (704.8)	36 in (914.4)	36 1/4 in (920.8)
Rotation axis, Maximum height (mm)	49 3/4 in (1263.6)	47 3/4 in (1212.8)	47 3/4 in (1212.8)	60 in (1524)	66 1/4 in (1682.8)
Matching TS	TS2	TS2	TS4	TS6	TS10
I: Tie down hole size (mm)	(Qty 6) 9/16 in (14.3)	(Qty 6) 13/16 in (20.6)	(Qty 6) 13/16 in (20.6)	(Qty 6) 13/16 in (20.6)	(Qty 6) 13/16 in (20.6)
J: Front Mounting hole location (mm)	1 1/2 in (38.1)	1 1/2 in (38.1)	1 1/2 in (38.1)	2 in (50.8)	2 in (50.8)
K: Center mounting hole location (mm)	19 in (482.6)	23 in (584.2)	23 in (584.2)	30 in (762)	30 in (762)
L: Rear mounting hole location (mm)	19 in (482.6)	20 in (508)	20 in (508)	24 in (609.6)	24 in (609.6)
M: Bolt hole pattern pitch (mm)	33 15/16 in (862)	35 3/4 in (908)	35 3/4 in (908)	47 1/2 in (1206.5)	47 1/2 in (1206.5)
N: Overall base length (mm)	42 1/4 in (1073.1)	48 in (1219.2)	48 in (1219.2)	60 in (1524)	60 in (1524)
O: Overall machine width (mm)	47 in (1194)	49 3/4 in (1263.7)	49 3/4 in (1263.7)	63 3/8 in (1610)	61 3/4 in (1568)
P: Overall machine length (mm)	50 3/4 in (1289)	60 in (1524)	60 in (1524)	76 in (1930.4)	76 in (1930.4)
Standard primary voltage	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
Shipping weight (kg)	1,500 lb (680)	1,892 lb (858)	2,000 lb (907)	3,400 lb (1542)	4,400 lb (1996)

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

