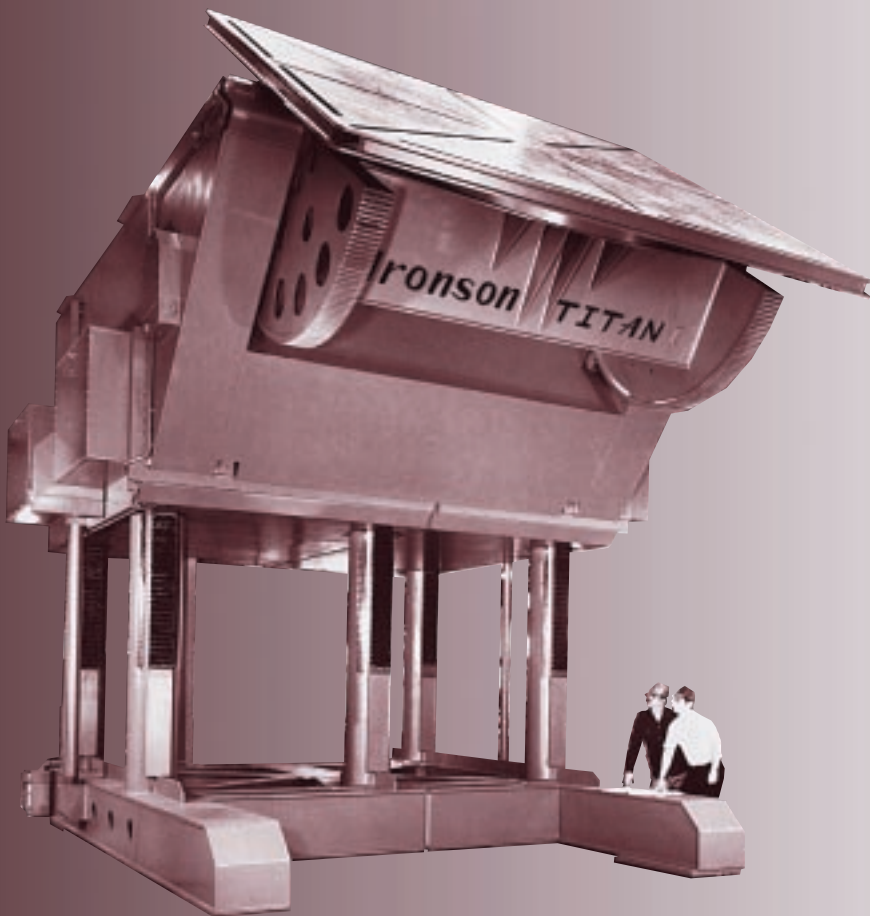

POSITIONER

Series



Geared Elevation Positioners



*Optimum Performance . . .
over a wide range of sizes*



KOIKE ARONSON, INC.

Geared Elevation Positioners

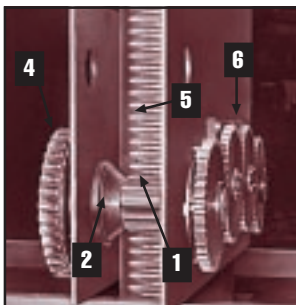


Maximum Safety and Convenience

Koike Aronson Geared Elevation[®] Positioners are closely related to conventional gear-driven positioners. Both types have powered tilt and rotating table motions, however, unlike an adjustable base geared positioner, a Koike Aronson Geared Elevation[®] Positioner lets the operator use a minimum table height to load or unload work. When floor clearance is required during tilting, the controls can be operated to power the table to the required height. In addition, the Koike Aronson unit can be power-elevated to a higher position while simultaneously tilting and rotating the workpiece. And the unit can be positioned to keep the weld seam at the lowest possible height for the welding operator.

High Performance
Efficiency
Ease of Use

Front and Rear Lift Pinions (1) in mesh with Rack Posts (5) are positively locked to run in unison or not at all by Transfer Gears (6) in lighter models.



Features

- Heavy duty design with optimum tilt and rotation provide safe, secure positioning.
- Koike Aronson Geared Elevation[®] Positioners can be loaded at minimum height, then elevated to a working position.
- Unlimited Swing:
With table flat and height adjusted to minimum, there is *nothing projecting* above the top of the chassis to limit the workpiece diameter and *no column* in the way.
- Multiple post geared elevation provide rigidity and safety.
 - Rack teeth in the posts, and pinions carried on bearings are geared together to run together.
 - The chassis is always level and steady.
- Operational safety:
The sketch at right shows that loading is down on the front racks and a lesser reactionary force is up on the rear racks. It is unlikely that all teeth will wear out and fail simultaneously, regardless of length of service or magnitude of the load. If the heavier loaded front teeth wear out or break, the chassis will jam and will not crash down as the strong teeth at the rear hold safely.

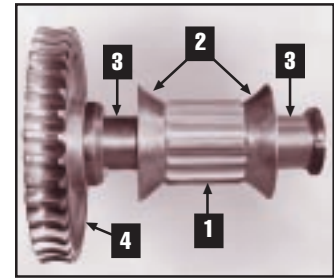
Specifications

Tilt Torque Load

To find your weldments' Tilt Torque Load, add the Inherent Overhang Inches to the Inches distance the weldments' Center-of-Gravity (CG) is from the tabletop surface. This is measured Perpendicular to the tabletop surface. Then multiply this total distance in Inches by the weight of the weldment. Do not exceed the maximum load torque shown in the "tilt" column.

Rotation Torque Load

To find your weldments' Rotation Torque load, multiply the weldment weight in Pounds by the distance in Inches that the CG will be from the center of the table. This measurement is taken Parallel to the table surface. Do not exceed the maximum load torque shown in the "rotation" column.

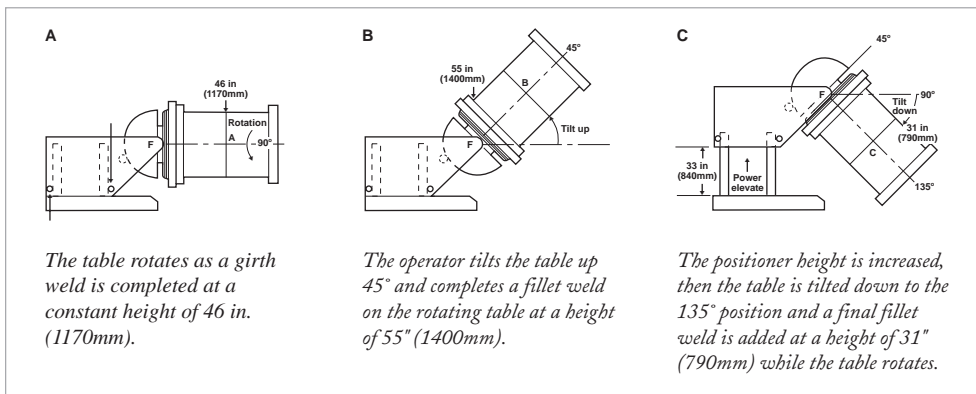


(1) 130,000 PSI Yield Alloy Steel Lift Pinion integral with axleshaft. (2) Aluminum-Bronze Guide Rollers. (3) Journals where self-aligning roller bearings are mounted. (4) Self-locking Wormgear.

Below is a comprehensive capacity chart giving the necessary information you need to select Koike Aronson Geared Elevation Positioners. You should select the positioner model based on the greatest torque requirement, either rotation or tilt torque.

Comprehensive Load Capacity Table																
Models	Lb-In Max. Torque		Inh.* O.H.	CG												
	Rotation	Tilt		@4"	@6"	@12"	@18"	@24"	@30"	@36"	@42"	@48"	@54"	@60"	@66"	@72"
GE25	15000	27500	5.0	2500	2500	1600	1200	950	780	670	580	520	460	420	380	350
GE30	36000	60750	8.2	4300	4300	3000	2300	1880	1600	1375	1200	1075	975	890	820	750
GE45	54000	91125	8.2	—	—	4500	3500	2800	2400	2050	1800	1600	1450	1300	1200	1100
GE60	72000	123000	8.5	—	—	6000	4650	3790	3200	2750	2400	2200	1900	1700	1600	1500
GE90	108000	184500	8.5	—	—	9000	7000	5700	4800	4150	3650	3250	2950	2700	2480	2300
GE120	144000	252000	9.0	—	—	12000	9300	7600	6450	5600	4950	4400	4000	3650	3350	3100
GE180	216000	369000	8.5	—	—	18000	13900	11350	9600	8300	7300	6500	5900	5400	4950	4600
GE250	300000	512500	8.5	—	—	25000	19400	15800	13300	11500	10200	9000	8200	7500	6900	6400
GE500	600000	1050000	8.8	—	—	50000	39000	32000	27000	23400	20600	18500	16700	15200	14000	13000
GE850	1020000	1800000	9.0	—	—	85000	66600	54500	48000	42000	37000	32000	29000	26000	24000	22000
GE1200	1440000	2880000	12.0	—	—	120000	96000	80000	68600	60000	53400	48000	43600	40000	37000	34200
GE3500	2640000	9300000	14.5	—	—	350000	286000	240000	210000	184000	160000	145000	135000	125000	115000	107000

* Inherent Overhang.
Models and Specifications subject to change without notice.





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Convenience to fill all your
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