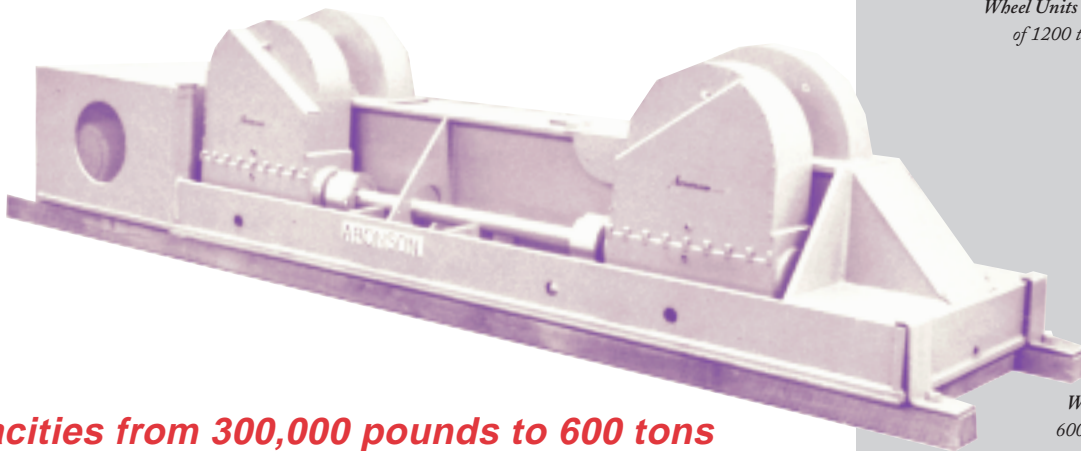


# TR Series

## Turning Rolls

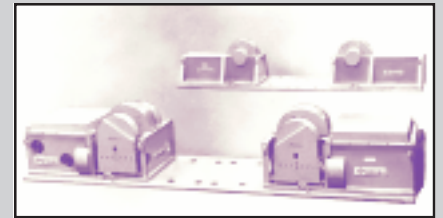
Sizes 300 through 1200



**Capacities from 300,000 pounds to 600 tons  
with maximum turning to 1200 tons**

Koike Aronson Turning Rolls have been engineered for the effective positioning of long and or cylindrical workpieces. Tanks, pressure vessels, missile casings, and pipe are all well suited for industrial applications utilizing Turning Rolls. Long objects which are not cylindrical may be adapted to these positioners with the aid of custom designed support rings.

The key to Koike Aronson's Turning Rolls performance are the AC drives and dynamic braking which provide smooth, precise operation. Along with superior performance capabilities, Koike Aronson Turning Rolls are extremely durable and utilize the strongest wormgears, gear-casings and chassis components.



*WSD-RW1200 and WSI-RW1200 Roll Wheel Units are designed for handling vessels of 1200 tons or more and have maximum rotating capacities to 1200 tons.*

*WSD600 Driver with capacity to 600,000 pounds and up to 600 tons maximum turning. 30" steel wheels.*

### Features

- Steel Wheels
- Dynamic Braking
- Rapid Traverse
- Electronic AC Drives
- Koike Aronson Tie-Rod Axles



*WSD800TD Twin Driver with capacity to 800,000 pounds and up to 800 tons maximum turning. 30" steel wheels.*



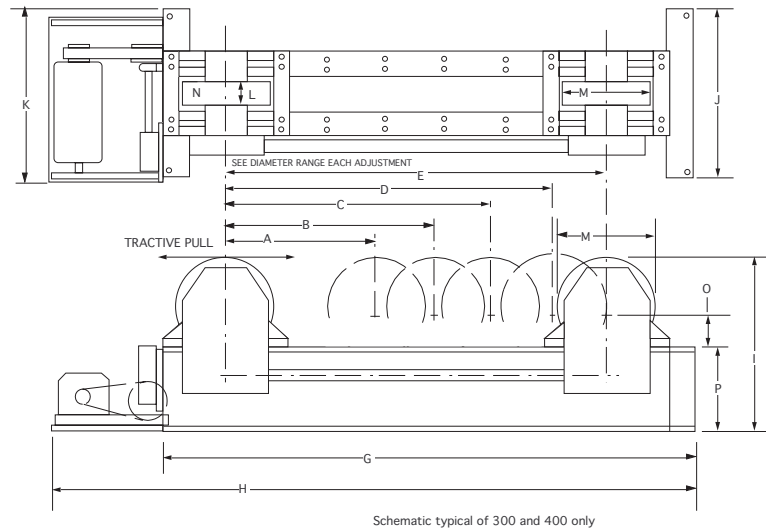
**KOIKE ARONSON, INC.**

P.O. Box 307, Arcade, New York 14009  
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# Specifications



The Koike Aronson 600 Tonner Driver and Idler Turning Rolls shown positioning a Steam Drum.



SPECIFICATIONS	Size 300	Size 400	Size 600	Size 800	Size 800HT	Size 800TD	Size 1200
Driver, Steel Wheel	WSD 300	WSD 400	WSD 600	WSD 800	WSD 800HT	WSD 800TD	WSD 1200
Idler, Steel Wheel	WSI 300	WSI 400	WSI 600	WSI 800	WSI 800	WSI 800	WSI 1200
Capacity per Unit	300,000# (136078kg)	400,000# (181437kg)	600,000# (272155kg)	800,000# (362874kg)	800,000# (362874kg)	800,000# (362874kg)	600 tons/Pr. (544311kg/Pr)
Capacity Driver & 1 Idler	300 tons (272155kg)	400 tons (362874kg)	600 tons (544311kg)	800 tons (725748kg)	800 tons (725748kg)	800 tons (725748kg)	1200 tons (1088621kg)
Diameter Range, Standard	2' - 20' (6.6m)	2' - 20' (6.6m)	3' - 16' (9.4.9m)	5' - 25' (1.5-7.6m)	5' - 25' (1.5-7.6m)	5' - 25' (1.5-7.6m)	2' - 36' (6.1-11m)
A: Center - Distance	42" (1067mm)	42" (1067mm)	52" (1321mm)	66" (1676mm)	66" (1676mm)	66" (1676mm)	64" (1626mm)
Diameter - Range	2' - 8" (6.2.4mm)	2' - 8" (6.2.4mm)	3' - 9" (9.2.7m)	5' - 14" (1.5-4.3m)	5' - 14" (1.5-4.3m)	5' - 14" (1.5-4.3m)	2' - 14" (6.4.3m)
B: Center - Distance	58 1/8" (1495mm)	58 1/8" (1495mm)	72" (1829mm)	86" (2184mm)	86" (2184mm)	86" (2184mm)	88" (2235mm)
Diameter - Range	5' - 12" (1.5-3.6m)	5' - 12" (1.5-3.6m)	7' - 16" (2.1-4.9m)	10' - 25' (3-7.6m)	10' - 25' (3-7.6m)	10' - 25' (3-7.6m)	8' - 20' (2.4-6.1m)
C: Center - Distance	75 1/4" (1924kg)	75 1/4" (1924kg)	Extra 92" (2337mm)	Extra 106" (2692mm)	Extra 106" (2692mm)	Extra 106" (2692mm)	112" (2845mm)
Diameter - Range	7' - 16" (2.1-4.9m)	7' - 16" (2.1-4.9m)	11' - 24" (3.3-7.3m)	15' - 35" (4.6-10.7m)	Extra 126" (3200mm)	Extra 126" (3200mm)	12' - 25' (3.6-7.6m)
D: Center - Distance	92 1/8" (2353mm)	92 1/8" (2353mm)	Extra 112" (2845mm)	Extra 126" (3200mm)	Extra 126" (3200mm)	Extra 126" (3200mm)	136" (3454mm)
Diameter - Range	10' - 20' (3-6m)	10' - 20' (3-6m)	16' - 35" (4.9-10.7m)	20' - 40" (6.1-12.2m)	20' - 40" (6.1-12.2m)	20' - 40" (6.1-12.2m)	16' - 30" (4.9-9.1m)
E: Center - Distance	Extra 109 1/2" (2781mm)	Extra 109 1/2" (2781mm)	-	-	-	-	160" (4064mm)
Diameter - Range	16' - 30" (4.9-9.1m)	16' - 30" (4.9-9.1m)	-	-	-	-	20' - 36" (6.1-11m)
F: Center - Distance	-	-	-	-	-	-	Unlimited
Diameter - Range	-	-	-	-	-	-	Unlimited
Speed Range, IPM, Variable	48-8 IPM (1219-20mm)	48-8 IPM (1219-20mm)	48-8 IPM (1219-20mm)	48-8 IPM (1219-20mm)	48-8 IPM (1219-20mm)	48-8 IPM (1219-20mm)	48-8 IPM (1219-20mm)
Tractive Pull, Pounds	25,000 (11340kg)	38,000 (17236kg)	38,000 (17236kg)	50,000 (22680kg)	62,500 (28349kg)	75,000 (34019kg)	120,000 (54431kg)
HP, 30:1 SCR, DC, RSC	10	15	15	20	25	25	40
DYN, Brake, Rapid Traverse	yes	yes	yes	yes	yes	yes	yes
G: Frame Length	152" (3861mm)	135" (3429mm)	140" (3556mm)	154" (3912mm)	154" (3912mm)	154" (3912mm)	8' (2.4m) / RW Unit
H: Length Overall, Idler	152" (3861mm)	135" (3429mm)	140" (3556mm)	154" (3912mm)	154" (3912mm)	154" (3912mm)	8' (2.4m) / RW Unit
Length Overall, Driver	179" (4547mm)	166" (4216mm)	170" (4318mm)	184" (4674mm)	184" (4674mm)	184" (4674mm)	8' (2.4m) / RW Unit
I: Height Overall, D & I	47 1/2" (1206mm)	40 1/4" (1035mm)	40 1/2" (1029mm)	40 1/2" (1029mm)	40 1/2" (1029mm)	40 1/2" (1029mm)	57 1/2" (1460mm)
J: Frame Width, D & I, Rubber	42" (1067mm)	42" (1067mm)	42" (1067mm)	48" (1219mm)	48" (1219mm)	48" (1219mm)	48" (1219mm)
K: Width OA, Driver, Rubber	42" (1067mm)	42" (1067mm)	42" (1067mm)	48" (1219mm)	48" (1219mm)	48" (1219mm)	48" (1219mm)
L: Total Face Rubber Wheel	19 1/2" (502mm)	-	-	-	-	-	-
Total Face Steel Wheel	5" (127mm)	5" (127mm) Hardfaced	7" (178mm) Hardfaced	7" (178mm) Hardfaced	7" (178mm) Hardfaced	7" (178mm) Hardfaced	10" (254mm) hardfaced
M: Diameter Rubber Wheel	28" (711mm)	-	-	-	-	-	-
Diameter Steel Wheel	28" (711mm)	28" (711mm) Solid	30" (762mm) Solid	30" (762mm) Solid	30" (762mm) Solid	30" (762mm) Solid	32" (813mm) Solid
N: Tire Size [No./Axle]	28 x 7 x 22 [2] (711x178x559mm)	-	-	-	-	-	-
Overload Disc/Axle	3	-	-	-	-	-	-
Tie Rods/Axle	6	-	-	-	-	-	-
O: Axle Center to Frame	3 1/2" (89mm)	7" (178mm)	0"	0"	0"	0"	30" (762mm) to Plate
P: Total Depth of Frame	19 1/8" (492mm)	19 1/4" (502mm)	25 1/2" (648mm)	25 1/2" (648mm)	25 1/2" (648mm)	25 1/2" (648mm)	Use 2" (51mm) Plate



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