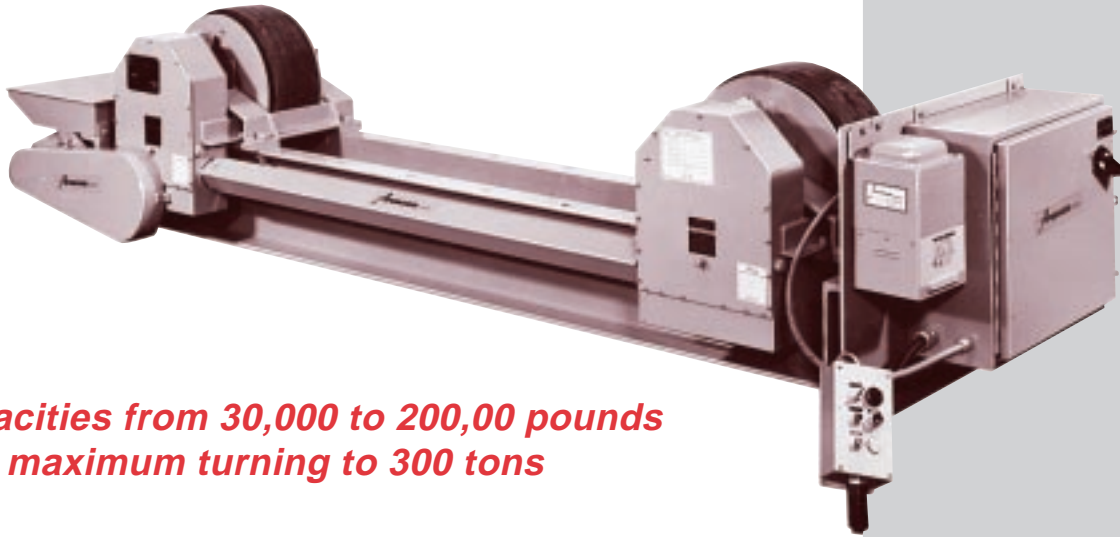


# TR Series

## Turning Rolls

Sizes 30 through 200



*WRD200 Driver and WRI Idler shows unit capacity to 200,000 pounds with maximum turning of 200 tons.*

**Capacities from 30,000 to 200,00 pounds with maximum turning to 300 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 precision wheels with overload discs that prevent excessive loads from damaging the tires. SCR drives and dynamic braking 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.

### Features

- Rubber or steel wheels
- Individual Drivers and Idlers can be placed anywhere under workpiece and can be used in various combinations
- Steel Overload Discs allow for minimum tire deformation while assuring traction and long life of tires
- Koike Aronson Tie-Rod Axle



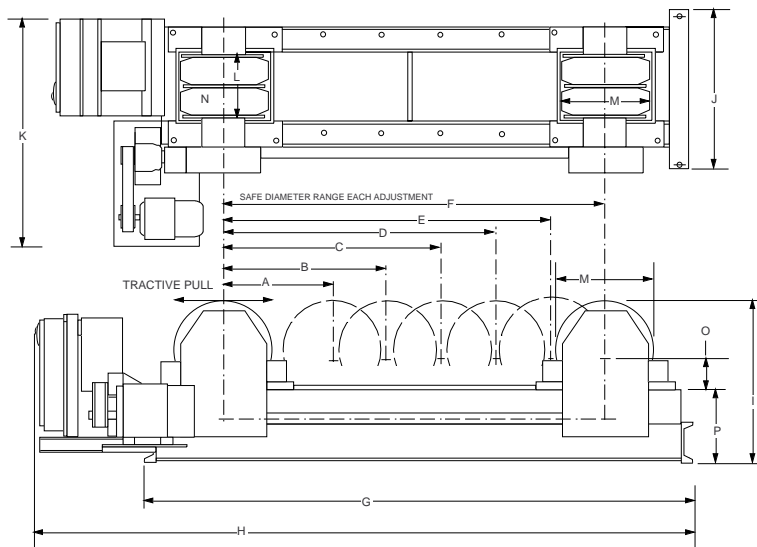
*Tie-Rod Axle is designed with compression and tension tie-rods to eliminate bending. Bearings and gearing are always in perfect alignment for a lifetime of trouble-free service.*



**KOIKE ARONSON, INC.**

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# Specifications



SPECIFICATIONS	Size 30	Size 40	Size 60	Size 80	Size 90	Size 120	Size 160	Size 200
Driver, Rubber Tired Idler, Rubber Tired	WRD 30 WRI 30	WRD 40 WRI 40	WRD 60 WRI 60	WRD 80 WRI 80	WRD 90 WRI 90	WRD 120 WRI 120	WRD 160 WRI 160	WRD 200 WRI 200
Driver, Steel Wheel Idler, Steel Wheel	- -	WSD 40 WSI 40	WSD 60 WSI 60	- -	WSD 90 WSI 90	WSD 120 WSI 120	WSD 160 WSI 160	WSD 200 WSI 200
Capacity per Unit	30,000# (13607kg)	40,000# (18143kg)	60,000# (27215kg)	80,000# (36287kg)	90,000# (40823kg)	120,000# (54431kg)	160,000# (72574kg)	200,000# (90718kg)
Capacity Driver & 1 Idler	30 tons (27215kg)	40 tons (36287kg)	60 tons (54431kg)	80 tons (72574kg)	90 tons (81646kg)	120 tons (108862kg)	160 tons (145149kg)	200 tons (181436kg)
Capacity Driver & 2 Idler	45 tons (40823kg)	60 tons (54431kg)	90 tons (81646kg)	120 tons (108862kg)	135 tons (122469kg)	160 tons (145149kg)	180 tons (163293kg)	200 tons (181436kg)
Diameter Range, Standard	8'-18" (203-5486mm)	8'-18" (203-5486mm)	8'-18" (203-5486mm)	8'-18" (203-5486mm)	8'-18" (203-5486mm)	8'-18" (203-5486mm)	8'-18" (203-5486mm)	8'-18" (203-5486mm)
A: Center - Distance Diameter - Range	25" (635mm) 8'- 48" (203-1219mm)	25" (635mm) 8'- 48" (203-1219mm)	25" (635mm) 8'- 48" (203-1219mm)	25" (635mm) 8'- 48" (203-1219mm)	25" (635mm) 8'- 48" (203-1219mm)	25" (635mm) 8'- 48" (203-1219mm)	25" (635mm) 8'- 48" (203-1219mm)	25" (635mm) 8'- 48" (203-1219mm)
B: Center - Distance Diameter - Range	36 1/4" (920mm) 30'- 72" (762-1828mm)	36 1/4" (920mm) 30'- 72" (762-1828mm)	36 1/4" (920mm) 30'- 72" (762-1828mm)	36 1/4" (920mm) 30'- 72" (762-1828mm)	36 1/4" (920mm) 30'- 72" (762-1828mm)	36 1/4" (920mm) 30'- 72" (762-1828mm)	36 1/4" (920mm) 30'- 72" (762-1828mm)	36 1/4" (920mm) 30'- 72" (762-1828mm)
C: Center - Distance Diameter - Range	47 1/2" (1206mm) 4'- 9" (1.2-2.7m)	47 1/2" (1206mm) 4'- 9" (1.2-2.7m)	47 1/2" (1206mm) 4'- 9" (1.2-2.7m)	47 1/2" (1206mm) 4'- 9" (1.2-2.7m)	47 1/2" (1206mm) 4'- 9" (1.2-2.7m)	47 1/2" (1206mm) 4'- 9" (1.2-2.7m)	47 1/2" (1206mm) 4'- 9" (1.2-2.7m)	47 1/2" (1206mm) 4'- 9" (1.2-2.7m)
D: Center - Distance Diameter - Range	58 3/4" (1492mm) 5'- 11" (1.5-3.35m)	58 3/4" (1492mm) 5'- 11" (1.5-3.35m)	58 3/4" (1492mm) 5'- 11" (1.5-3.35m)	58 3/4" (1492mm) 5'- 11" (1.5-3.35m)	58 3/4" (1492mm) 5'- 11" (1.5-3.35m)	58 3/4" (1492mm) 5'- 11" (1.5-3.35m)	58 3/4" (1492mm) 5'- 11" (1.5-3.35m)	58 3/4" (1492mm) 5'- 11" (1.5-3.35m)
E: Center - Distance Diameter - Range	70" (1778mm) 7'- 14" (2.1-4.26m)	70" (1778mm) 7'- 14" (2.1-4.26m)	70" (1778mm) 7'- 14" (2.1-4.26m)	70" (1778mm) 7'- 14" (2.1-4.26m)	70" (1778mm) 7'- 14" (2.1-4.26m)	70" (1778mm) 7'- 14" (2.1-4.26m)	70" (1778mm) 7'- 14" (2.1-4.26m)	70" (1778mm) 7'- 14" (2.1-4.26m)
F: Center - Distance Diameter - Range	81 1/4" (2063.7mm) 9'- 18" (2.74-5.49m)	81 1/4" (2063.7mm) 9'- 18" (2.74-5.49m)	81 1/4" (2063.7mm) 9'- 18" (2.74-5.49m)	81 1/4" (2063.7mm) 9'- 18" (2.74-5.49m)	81 1/4" (2063.7mm) 9'- 18" (2.74-5.49m)	81 1/4" (2063.7mm) 9'- 18" (2.74-5.49m)	81 1/4" (2063.7mm) 9'- 18" (2.74-5.49m)	81 1/4" (2063.7mm) 9'- 18" (2.74-5.49m)
Speed Range, IPM, Variable Tractive Pull, Pounds HP, 30:1 SCR, DC, RSC DYN, Brake, Rapid Traverse	40-1.4IPM (1016-35.5mm) 6,000 (2721.5kg) 2 yes	40-1.4IPM (1016-35.5mm) 6,000 (2721.5kg) 2 yes	40-1.4IPM (1016-35.5mm) 9,000 (4082.3kg) 3 yes	35-1.2 IPM (889-30.5mm) 10,000 (4535.9kg) 3 yes	35-1.2 IPM (889-30.5mm) 10,000 (4535.9kg) 3 yes	35-1.2 IPM (889-30.5mm) 16,000 (7257.4kg) 5 yes	35-1.2 IPM (889-30.5mm) 16,000 (7257.4kg) 5 yes	35-1.2 IPM (889-30.5mm) 16,000 (7257.4kg) 5 yes
G: Frame Length	112 1/4" (2863.8mm)	112 1/4" (2863.8mm)	112 1/4" (2863.8mm)	112 1/4" (2863.8mm)	112 1/4" (2863.8mm)	112 1/4" (2863.8mm)	114" (2895.6mm)	114" (2895.6mm)
H: Length Overall, Idler Length Overall, Driver	112 1/4" (2863.8mm) 140" (3556mm)	112 1/4" (2863.8mm) 140" (3556mm)	112 1/4" (2863.8mm) 140" (3556mm)	112 1/4" (2863.8mm) 140" (3556mm)	112 1/4" (2863.8mm) 140" (3556mm)	112 1/4" (2863.8mm) 144" (3657.6mm)	114" (2895.6mm) 144" (3657.6mm)	114" (2895.6mm) 144" (3657.6mm)
I: Height Overall, D & I	27 3/4" (704.85mm)	27 3/4" (704.85mm)	27 3/4" (704.85mm)	27 3/4" (704.85mm)	27 3/4" (704.85mm)	27 3/4" (704.85mm)	30 3/4" (781mm)	30 3/4" (781mm)
J: Frame Width, D & I, Rubber Frame Width, D & I, Steel	28" (711.2mm) -	28" (711.2mm) -	34" (863.6mm) 28" (711.2mm)	34" (863.6mm) 28" (711.2mm)	42" (1066.8mm) 28" (711.2mm)	42" (1066.8mm) 34" (863.6mm)	42" (1066.8mm) 34" (863.6mm)	50" (1270mm) 34" (863.6mm)
K: Width OA, Driver, Rubber Width OA, Driver, Steel	34" (863.6mm) -	34" (863.6mm) -	42" (1066.8mm) 34" (863.6mm)	42" (1066.8mm) 34" (863.6mm)	48" (1219.2mm) 50 1/2" (1282.7mm)	52 1/2" (1333.5mm) 50 1/2" (1282.7mm)	65 1/2" (1663.7mm) 65 1/2" (1663.7mm)	73 1/2" (1866.9mm) 73 1/2" (1866.9mm)
L: Total Face Rubber Wheel Total Face Steel Wheel	7" (177.8mm) -	9" (228.6mm) 5" (127mm)	13 1/2" (342.9mm) 5" (127mm)	17 1/2" (444.5mm) -	20" (508mm) 5" hardfaced (127mm)	26" (660.4mm) 5" hardfaced (127mm)	26" (660.4mm) 5" hardfaced (127mm)	34 1/2" (876.3mm) 5" hardfaced (127mm)
M: Diameter Rubber Wheel Diameter Steel Wheel	20" (508mm) -	20" (508mm) 20" Solid (508mm)	20" (508mm) 20" Solid (508mm)	20" (508mm) -	20" (508mm) 20" Solid (508mm)	20" (508mm) 20" Solid (508mm)	20" (508mm) 20" Solid (508mm)	20" (508mm) 20" Solid (508mm)
N: Tire Size (No. /Axle) Overload Disc /Axle Tie Rods/Axle	20 x 6 (1) 2 4	20 x 8 (1) 2 4	20 x 6 (2) 3 4	20 x 8 (2) 3 8	20 x 6 (3) 4 8	20 x 8 (3) 4 8	20 x 8 (3) Ure. 4 8	20 x 8 (4) Ure. 5 8
O: Axle Center to Frame P: Total Depth of Frame	5 1/2" (139.7mm) 12 1/4" (311.15mm)	5 1/2" (139.7mm) 12 1/4" (311.15mm)	5 1/2" (139.7mm) 12 1/4" (311.15mm)	5 1/2" (139.7mm) 12 1/4" (311.15mm)	5 1/2" (139.7mm) 12 1/4" (311.15mm)	5 1/2" (139.7mm) 12 1/4" (311.15mm)	5 1/2" (139.7mm) 15 1/4" (387.35mm)	5 1/2" (139.7mm) 15 1/4" (387.35mm)



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