

TR Series

Turbine Rotor Turning Rolls Micarta Rolls



Turbine Rotor Turning Rolls are specialty Positioners which are very cost effective when compared to other industry alternatives such as V-blocks. Objects such as steam and gas turbines may be manipulated for sonic inspection and welding repair with the use of cranes only for mounting and unloading. Once turbines are placed upon Positioners, operators may rotate them and easily perform desired procedures. Rolls are powered with AC variable frequency drives and motors providing a large range of rotation speeds. Handheld operator pendants are standard, with optional foot switch controls available.

The single-fixed centerline setting provides a wide diameter range to accommodate many different size rotors.

The Phenolic wheels provide a hard, dense surface that will not mar the machined turbine journal like steel rollers and unlike rubber tires, Micarta will not deflect and absorbs debris that can also damage the rotor journal.

Sub-base risers can be added for large diameter fins, providing swing clearance for a free 360° of continuous rotation.

Oversized wheels for increased clearances, larger capacities and special engineering available!

Capacities from 50 Ton to 250 Ton



KOIKE ARONSON, INC. / RANSOME

Features

- Precision machined wheels in rigid chassis to prevent end creep
- Phenolic laminated wheels
- Variable Frequency drives and motors
- 8" to 32" Diameter capacities
- 50:1 AC Variable speed drives
- Optional fixed height sub-bases
- Optional infinitely adjustable power elevating sub-bases



Standard hand pendant provided with all models

Specifications

Micarta Rolls (Turbine Rolls)

Micarta Roll Sets	Weight Capacity (set)	Concentric Turning Capacity	Diameter Range	Speed (IPM)	DIM 'A'	Dim 'B'	Dim 'C'	Dim 'D'	Dim 'E'	Dim 'F'	Dim 'G'	Dim 'H'	Dim 'I'	Dim 'J'
50 PRM / 25 IRM	50 ton (100,000 lb)	50 ton	8" - 32"	1.3 - 63	49"	73 5/16"	16 3/4"	3"	4 3/16"	11 3/8"	28 3/4"	7 1/2"	51 1/8"	14 1/4"
75 PRM / 37.5 IRM	75 ton (150,000 lb)	75 ton	8" - 32"	1.2 - 60	49"	73 5/16"	16 3/4"	3"	6 5/16"	13 1/2"	28 3/4"	7 1/2"	51 1/8"	16 1/16"
100 PRM / 50 IRM	100 ton (200,000 lb)	100 ton	8" - 32"	1.3 - 63	49"	73 5/16"	17 3/4"	3"	8 7/16"	17 1/4"	32"	6 5/8"	52 1/8"	22 1/4"
125 PRM / 62.5 IRM	125 ton (250,000 lb)	125 ton	8" - 32"	1.3 - 63	49"	79 7/16"	17 3/4"	3"	10 1/2"	21 5/8"	38 7/8"	6 5/8"	52 1/8"	24 3/8"
150 PRM / 75 IRM	150 ton (300,000 lb)	150 ton	8" - 32"	1.3 - 63	49"	79 7/16"	17 3/4"	3"	12 9/16"	23 5/8"	38 7/8"	6 5/8"	52 1/8"	26 3/8"
175 PRM / 87.5 IRM	175 ton (350,000 lb)	175 ton	8" - 32"	1.3 - 63	49"	80 3/4"	17 3/4"	3"	14 5/8"	25 3/4"	42 1/2"	6 5/8"	52 1/8"	28 1/2"
200 PRM / 100 IRM	200 ton (200,000 lb)	200 ton	8" - 32"	1.3 - 63	49"	80 3/4"	17 3/4"	3"	16 3/4"	27 7/8"	45"	6 5/8"	52 1/8"	30 5/8"
225 PRM / 112.5 IRM	225 ton (450,000 lb)	225 ton	8" - 32"	1.3 - 63	49"	80 3/4"	18 1/4"	3"	18 3/4"	27 7/8"	48"	6 5/8"	52 1/8"	33 1/4"
250 PRM / 125 IRM	250 ton (500,000 lb)	250 ton	8" - 32"	1.3 - 63	49"	80 3/4"	18 1/4"	3"	21"	32"	49 1/16"	6 5/8"	52 1/8"	35 5/16"

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

