

# RANSOME MICARTA

## Turning Rolls

MICARTA TURNING ROLLS

Ransome has been manufacturing "Micarta" Turning Rolls for the Utility Industry for over 30 years. Ransome originally developed this special design for Westinghouse for their original manufacture of Turbine Rotors. The development was necessary because conventional rolls made of steel were totally unsuitable for the precision machined and polished surface of the rotor journals. Conventional rolls with rubber or Neothane tires develop flat spots when supporting heavy static loads. Micarta is a Westinghouse trade name for a phenolic resin in a canvas substrate. It is a tough, corrosion and chemical resistant material.



- A Set of Micarta Turning Rolls consists of one Power and one Idler Roll.
- Each roller will be a solid Micarta Roller Assembly.
- Steel retainers with tie rods will hold the complete roller assembly.
- A solid roller axle, with both roller surface and axle machined true to each other, will support each roller. The axles are supported by heavy roller bearings.
- Power is transmitted to the rollers through a self-locking primary reducer that is directly coupled to the Ransome exclusive secondary gearboxes. (No primary chain drive).
- Ransome gearboxes feature combination steel and bronze worm wheel. The bronze wheel is reinforced with the steel hub to absorb heavy shock loading and to protect the gear from overloading condition.
- Gear train is self-locking to prevent creep under eccentric load.
- Power roll will be wired for 460 volt, 3 phase, 60 cycle service with all operators controls stepped down to 115 volts for operators safety.
- Pendant control will be mounted on 40' of control cable and include pushbuttons for Forward, Reverse, Stop, 10 turn potentiometer and rapid traverse.
- All electricals are in accordance with Nema-12 standards.

Quality that lasts....



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<b>Capacity-Tons</b>	50	75	100	125	150	175	200	225	250
<b>Power Roll Model</b>	50 RPM	75 RPM	100 RPM	125 RPM	150 RPM	175 RPM	200 RPM	225 RPM	250 RPM
<b>Idler Roll Model</b>	25 IRM	35.5 IRM	50 IRM	62.5 IRM	75 IRM	87.5 IRM	100 IRM	112.5 IRM	125 IRM
<b>Roller Diameter</b>	22" O.D.	22" O.D.	22" O.D.	22" O.D.	22" O.D.	22" O.D.	22" O.D.	22" O.D.	22" O.D.
<b>Roller Width</b>	4"	6"	8"	10"	12"	14"	16"	18"	20"
<b>Roller Center Line Distance</b>	23"	23"	23"	23"	23"	23"	23"	23"	23"
<b>Work Dia. Range at 23" setting</b>	8" to 32"	8" to 32"	8" to 32"	8" to 32"	8" to 32"	8" to 32"	8" to 32"	8" to 32"	8" to 32"
<b>Electronic SCR Drive Horse Power</b>	2	3	3	5	5	7.5	7.5	10	10
<b>Surface Speed of Roller</b>	1.5 to 60 IPM	1.5 to 60 IPM	1.5 to 60 IPM	1.5 to 60 IPM	1.5 to 60 IPM	1.5 to 60 IPM	1.5 to 60 IPM	1.5 to 60 IPM	1.5 to 60 IPM

