

SUCTION ROLL

The suction pick-up roll is a perforated shell that rotates around a stationary suction box, which acts as a receptor for excess water. Using vacuum, the suction pick-up roll transitions the sheet from the forming section to the press section while continuing to dewater the sheet. The shell material is selected based on the specific and operating environment to ensure that the shell has the best possible resistance to corrosion, pitting and erosion and to ensure longest possible shell life under the designed operating condition. Depending on the operating condition, the shell material can be Phosphor Bronze or Stainless Steel.

For better Operational convenience, all Suction Roll will have adjustment mechanism on the front end plate for

- End deckle adjustment.
- Water connection for lubricating shower.
- Air connection for tail feed and seal loading.
- Suction box positioning.
- Bearing lubrication fittings.

Salient Features:

- Box made of sturdy stainless steel construction.
- Fitted with pneumatic air tube loaded seals, lubricating showers, front and back deckle adjustment mechanism.
- The shell Diameter and Wall Thickness is calculated based on the stress and deflection analysis for the application.
- High strength steel journals bolted on the shell and Head fixed with high tensile fasteners.

Technical Specifications :

Shell Face Length :	Upto 6000 mm
Diameter :	Upto 1000 mm
Speed :	Upto 700 MPM

Additional Services:

- ❖ Supplying of complete internals for existing shells.
- ❖ Complete reconditioning and rebuilding of existing Suction Rolls.



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