



Emulsion Rolls

PFE Rolls has supplied “Emulsion Rolls” over the years to various OEMs and end-users for use in tissue manufacturing processes.

The Emulsion Roll, also known as an E-Roll, is a precision, double-shelled roll with variable-pitch internal fluid-flow spirals to maximize the heat transfer capabilities of the roll. The roll is designed so that fluid enters and exits the roll from the same end.

The roll shafts are bolt-on type to simplify shaft repairs in the event of a bearing failure. This allows the shafts to be easily removed for repair rather than ship the total roll assembly to a repair facility.

The roll measures 18.645” diameter with a 224” face length and an overall length of 266.5”. The roll face is chrome plated to retain .010” plating thickness and finish ground to a 10 micro-inch Ra surface finish with a maximum runout and straightness tolerance of .001”

With over 20 years experience in supplying rolls to the paper and tissue industries, PFE has engineered, manufactured and repaired rolls for nearly every position in the papermaking and converting processes.