

# HEAT TRANSFER ROLL SPECIFYING GUIDE

*A Guide for Specifying Precision Heat Transfer Rolls*

## CUSTOMER INFORMATION

Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 P.O. Box: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ St: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone: ( \_\_\_\_ ) \_\_\_\_\_  
 Fax: ( \_\_\_\_ ) \_\_\_\_\_

▶ **Be sure to complete information on both sides of this checklist**

## 1. WEB SPECIFICATIONS

	WEB #1	WEB #2	WEB #3
▶ a. Material (paper, film, foil) . . . . .	_____	_____	_____
▶ b. Basis Weight (lb/ft <sup>2</sup> , lb/hr) . . . . .	_____	_____	_____
▶ c. Web Width (inches) . . . . .	_____	_____	_____
▶ d. Web Thickness (inches) . . . . .	_____	_____	_____
▶ e. Line Speed (ft/min) . . . . .	_____	_____	_____
▶ f. Tension (pli) . . . . .	_____	_____	_____
▶ g. Density (lb/ft <sup>3</sup> ) . . . . .	_____	_____	_____
▶ h. Specific Heat (BTU/lb/°F) . . . . .	_____	_____	_____
▶ i. Thermal Conductivity (BTU/ft/hr/°F) . . . . .	_____	_____	_____
▶ j. Heat of Fusion (BTU/lb): . . . . .	_____	_____	_____
▶ k. Fusion Temperature (°F) . . . . .	_____	_____	_____
▶ l. Entering Temperature (°F) . . . . .	_____	_____	_____
▶ m. Exiting Temperature (°F) . . . . .	_____	_____	_____
▶ n. Temperature Differential (°F) . . . . .	_____	_____	_____
▶ o. Heat Transfer Fluid (water, oil, steam) . . . . .	_____	_____	_____
▶ p. Heat Transfer Fluid Temperature (°F) . . . . .	_____	_____	_____
▶ q. Limitation on Wrap Angle . . . . .	_____	_____	_____
▶ r. Other Requirements or Limitations. . . . .	_____	_____	_____

## THE WEBEX "TOTAL SATISFACTION" GUARANTEE



**"Your Heat Transfer Roll must work to your satisfaction or return it at our expense and we'll repair or replace it."**

*To provide this guarantee, we need to know your specific performance and operating specifications. As long as these specifications or operating conditions don't change, the "Total Satisfaction Guarantee" will be in force.*

# HEAT TRANSFER ROLL SPECIFYING GUIDE

(Continued from other side)

## 2. ROLL SPECIFICATIONS

- ▶ a. Number of Rolls: \_\_\_\_\_
- ▶ b. Roll Diameter and Face Length: \_\_\_\_\_
- ▶ c. Journal Diameters and Lengths: \_\_\_\_\_
- ▶ d. Concentricity (TIR) Bearing Journals to Roll Face: \_\_\_\_\_
- ▶ e. Flow Arrangement (mono- or duo-flow) and Union Size: \_\_\_\_\_
- ▶ f. Anticipated Fluid Flow in GPM: \_\_\_\_\_
- ▶ g. Material(s) of Construction (steel, aluminum, other): \_\_\_\_\_
- ▶ h. PLATING
  - Plating Type: \_\_\_\_\_
  - Extent of Plating Coverage: \_\_\_\_\_
  - Retained Plating Thickness: \_\_\_\_\_
  - Plating Finish (micro-inches, RMS): \_\_\_\_\_
- ▶ i. Bearing Centerline to Face Dimensions: \_\_\_\_\_
- ▶ j. Nip Loads (magnitude and direction): \_\_\_\_\_
- ▶ k. Maximum Allowable Center Deflection: \_\_\_\_\_
- ▶ l. BALANCE
  - Balance Required (static or dynamic): \_\_\_\_\_
  - Balance Tolerances: \_\_\_\_\_

*Use this diagram to identify your roll dimensions and any other details important to the design and manufacturing process.*

