

- Engineered for a wide variety of cooling or heating applications
- Proprietary computational analysis for guaranteed mechanical and thermal performance
- Surface finishes and tolerances to meet your processing requirements
- Manufactured to stringent industry standards and safety practices

For more than 40 years, Webex has been the industry’s first choice in maintaining consistent and cost-effective temperature management with our Precision Engineered Heat Transfer Rolls. Webex Engineers rely upon industry experience and a proprietary analysis process to predict exactly what the heat transfer results will be prior to manufacturing. We also specialize in rolls with ultra-tight tolerances, special plating and finishing.

To meet your exact application parameters, every Webex Heat Transfer Roll is designed for optimal balance between heat transfer, minimal pressure drop inside the roll, correct fluid velocity and minimum temperature rise across the roll face. Whatever roll size or specification you need, Webex is the proven source for heat transfer roll performance.

### HEAT TRANSFER ROLL SPECIFICATIONS

Optional Certifications Available	ISO 9001 ASME Certified Pressure Vessels (Stamp U and R)
Size Range Capabilities	Diameters from 2 - 48 inches Lengths up to 511 inch
Design Options	Single shell, double shell Double shell - spiral: gain pitch or straight pitch Fluid flow: mono-flow (standard) or duo-flow (optional) Guaranteed temperatures to within +/- 1 degree F across the face of the roll Unique gain-pitch spiral design controls cross product temperature differentials and overall heat transfer characteristics
Typical Tolerances	Diametrical within +/- 0.001 inch Concentricity and straightness within 0.001 inch Optional precision concentricity and straightness to < 0.0001 inch Optional flawless mirror and a wide range of matte finishing available
Finish	Chrome, Nickel Rubber, Plasma, Ceramic, Teflon Coating Surface Hardened or Weld Overlay
Base Materials	Carbon Steel, Alloy Steel, Stainless Steel Aluminum, Copper

**CUSTOM SIZES AND CONFIGURATIONS AVAILABLE**

# THERMEX HEAT TRANSFER ROLLS TX

## TX-800

Double wall internal spiral baffle design

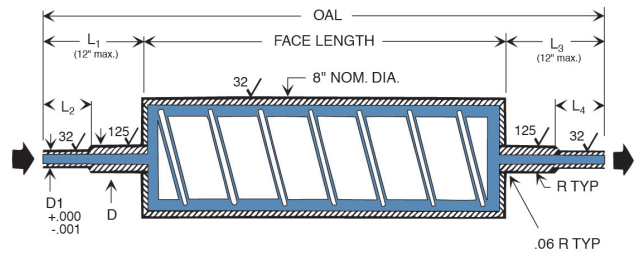
8 inch rolls will have 1 inch NPT each end with 25 GPM flow rate

Balanced up to 1,500 FPM (unless otherwise specified)

32 Ra finish on roll face

Concentricity and straightness held within 0.002 inch (unless otherwise specified)

Actual diameter 7.875 inches  $\pm$  0.001 inch



## TX-1250

Double wall internal spiral baffle design

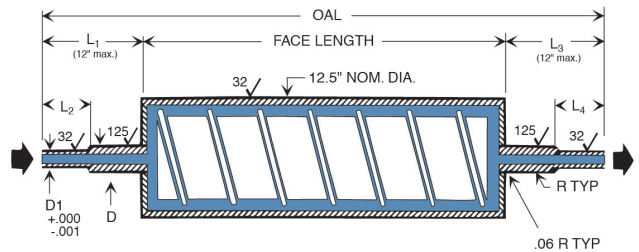
12.5 inch rolls will have 1 inch NPT each end with 25 GPM flow rate

Balanced up to 1,500 FPM (unless otherwise specified)

32 Ra finish on roll face

Concentricity and straightness held within 0.002 inch (unless otherwise specified)

Actual diameter 12.500 inches  $\pm$  0.001 inch



## TX-1800

Double wall internal spiral baffle design

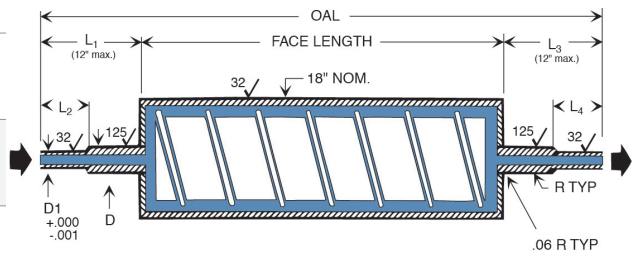
18 inch rolls will have 1.25 inch NPT each end with 40 GPM flow rate

Balanced up to 1,500 FPM (unless otherwise specified)

32 Ra finish on roll face

Concentricity and straightness held within 0.002 inch (unless otherwise specified)

Actual diameter 17.625 inches  $\pm$  0.001 inch



# THERMEX HEAT TRANSFER ROLLS TX

## TX-2400

Double wall internal spiral baffle design

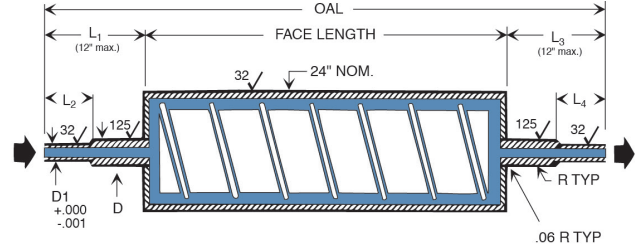
24 inch rolls will have 1.5 inch NPT each end with 60 GPM flow rate

Balanced up to 1,500 FPM (unless otherwise specified)

32 Ra finish on roll face

Concentricity and straightness held within 0.002 inch (unless otherwise specified)

Actual diameter 23.625 inches  $\pm$  0.001 inch



## SPECIFICATION CHART

Additional information on journal length, journal diameter and line speed would ideally be filled in using this Specification Chart.

For single diameter journals,  
L1 = L2 and L3 = L4

D	
D1	
L1	
L2	
L3	
L4	
FACE	
OAL	
SPEED	

Strength Journal

Bearing Diameter

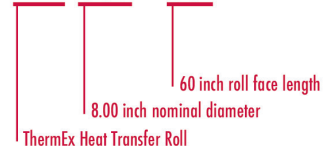
**CUSTOM SIZES AND METRIC OPTIONS AVAILABLE**

*Speak with a roll expert!*

Call 1.920.729.6666 or email [sales@webexinc.com](mailto:sales@webexinc.com)

**ORDERING IS EASY WITH WEBEX'S  
SIMPLE MODEL NOMENCLATURE.**

**TX -800 x 60"**



# 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 enforced.

## Application Information / Thermal Performance Analysis

For fast and helpful support, please gather the following details and call 1.920.729.6666 or email [sales@webexinc.com](mailto:sales@webexinc.com).

Web Material \_\_\_\_\_

Mass Rate \_\_\_\_\_

Web Width \_\_\_\_\_

Web Thickness \_\_\_\_\_

Line Speed \_\_\_\_\_

Web Tension \_\_\_\_\_

Density (If known) \_\_\_\_\_

Specific Heat (If known) \_\_\_\_\_

Thermal Conductivity (If known) \_\_\_\_\_

Entering Temperature \_\_\_\_\_

Exiting Temperature \_\_\_\_\_

Allowable Temperature Differential (Crossweb) \_\_\_\_\_

Heat Transfer Fluid \_\_\_\_\_

Heat Transfer Fluid Temperature \_\_\_\_\_

Roll Diameter \_\_\_\_\_

Wrap Angle \_\_\_\_\_

Other Requirements or Limitations \_\_\_\_\_



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