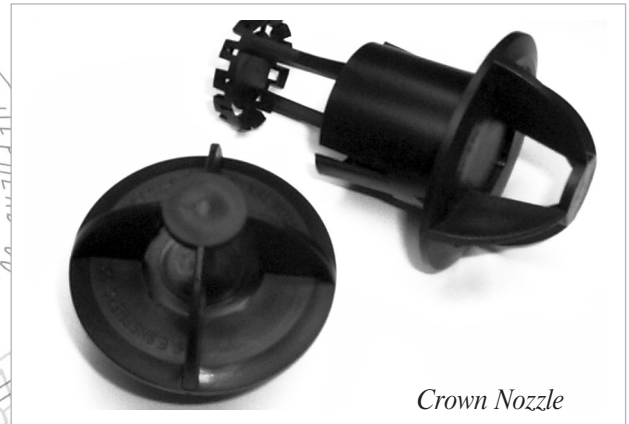


Crown Nozzles

Your Single Source for Cooling Tower Components!

Since the 1960's, C. E. Shepherd Company has offered an outstanding line of high quality cooling tower components. Shepherd components resist corrosion from extended exposure to water and hostile environmental conditions better than any competitive products. Engineered for retrofit or new construction, Shepherd Cooling Tower Components are easy to install and reduce overall labor costs.



Crown Nozzle

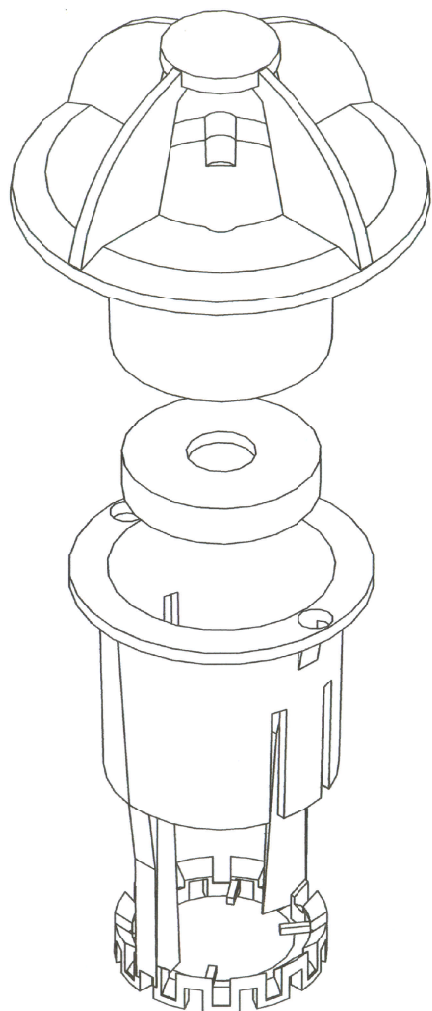
Features & Benefits

- The special crown eliminates the vortex spiral of water to achieve a uniform diffusion pattern regardless of height of head water.
- Crown restricts debris to keep the nozzle free of clogs.
- Interchangeable orifices snap securely into the crown. If water flow requirements change, simply remove and snap in another appropriately sized orifice.
- Tabs on the nozzle body simplify installation of the nozzle into the hot water deck, locking in only upon insertion of the vortex crown.
- Improved diffusion plate design provides superior water distribution in all directions.

A single source for prompt delivery from stock streamlines purchasing, reduces costs and ensures a fully integrated system thus assuring the same high degree of quality cooling tower professionals have come to expect from C. E. Shepherd Company.

Cross Flow Crown Nozzles

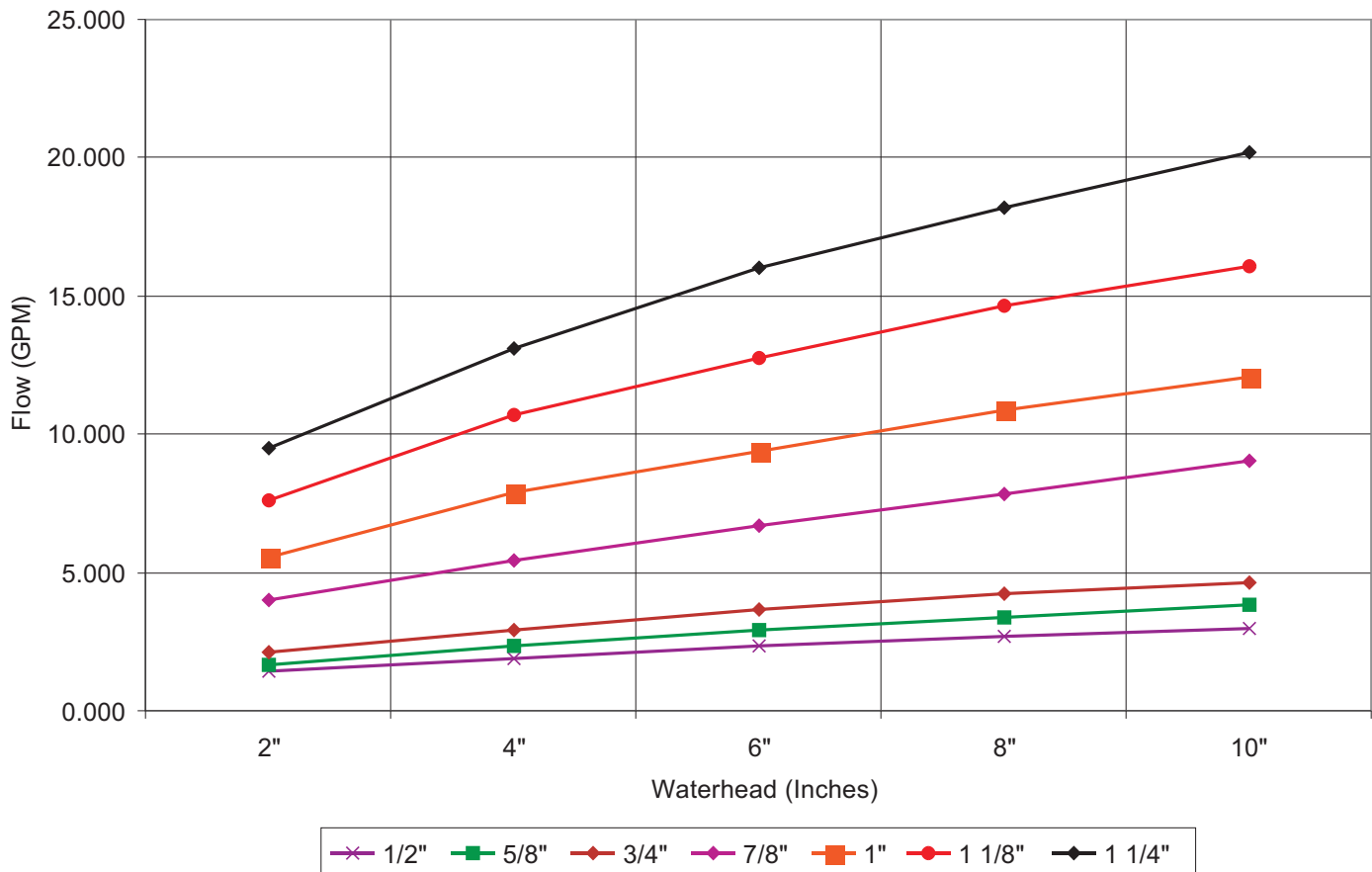
Shepherd Cross Flow Cooling Tower Nozzle Assemblies provide better water distribution at various head and flow rates, are longer lasting and fit standard 1-3/4" deck holes. Crown Nozzles, available in standard 3" x 4.6" length size, eliminate the vortex spiral of water thus creating the same consistent uniform diffusion pattern at any height of head. The improved diffusion plate design is superior in the distribution of water allowing uniform spread in all directions. Lock-in tabs on the telescoping nozzle body allow for ease of installation into the hot water deck. These tabs lock into place only upon insertion of the vortex crown. The vortex crown also provides an anti-clog feature which restricts debris from entering the orifice. The fully interchangeable orifices ranging in size from 1/2 to 1-1/4 inch diameter snap securely into place allowing for changes in water flows as desired.



LET	DATE	BY	REV				
DIMENSIONS IN INCHES UNLESS NOTED				C.E. SHEPHERD Co. Inc.			
TOLERANCES UNLESS NOTED:				2221 CANADA DRY ST. HOUSTON, TEXAS 77023			
FRACTIONAL + OR -	1/64	DRAWN BY	JS	DATE	11-30-01	REV/LET	SCALE 1:1
DECIMAL + OR -	.XX .03 .XXX .005 .XXXX .0005	DRAWN BY		DRAWING IS PROPERTY OF C.E. SHEPHERD CO. INC. (WHICH IS CONFIDENTIAL PROPERTY)		SHEET	1 OF 2
ANGULAR +/- 1/2°				CROSSFLOW CROWN NOZZLE (ISO)			
FILE				B 10424			
				TOLERANCE			

Flow Characteristics

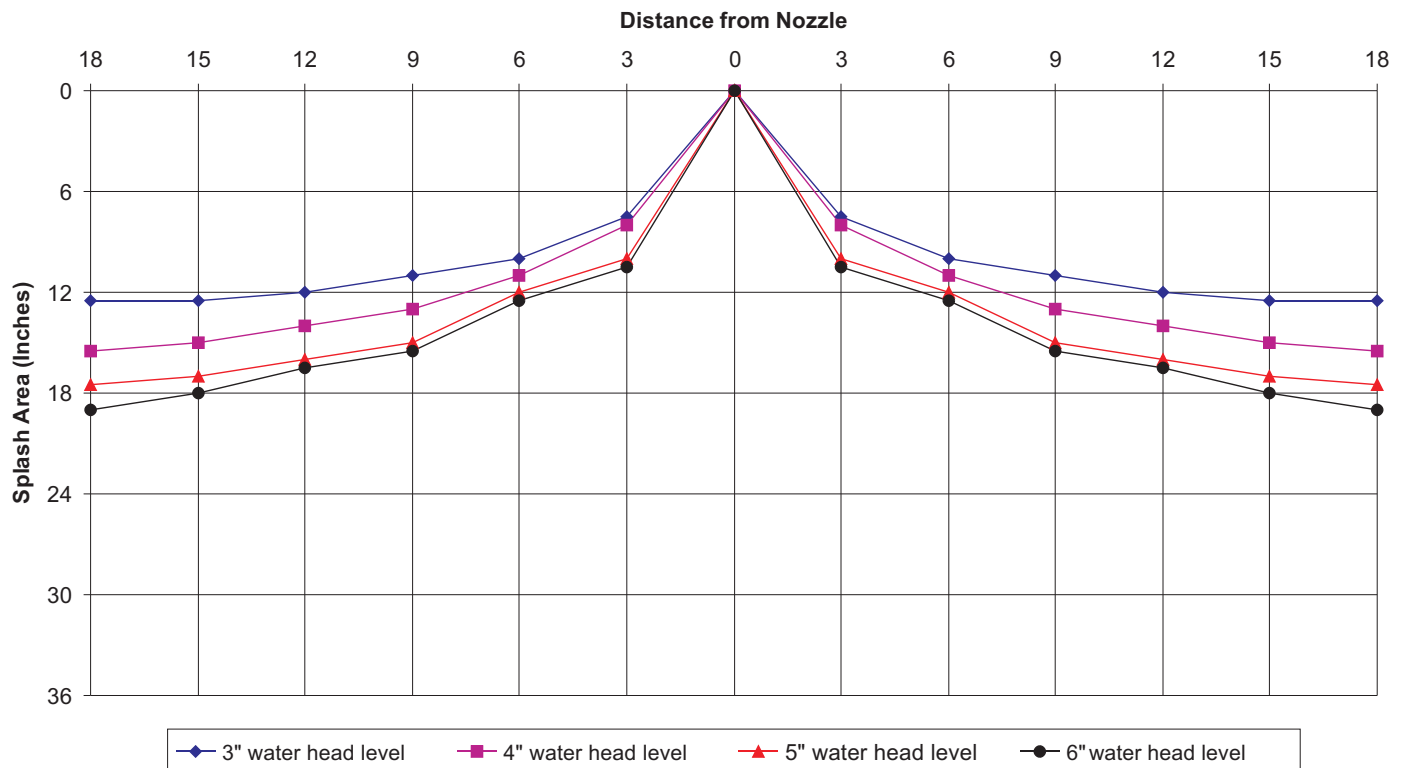
C. E. Shepherd Crown Nozzles for Cross Flow Cooling Towers



C. E. Shepherd Company certifies that Crown Nozzles will perform in a manner consistent with the technical data provided. This information was compiled using independent testing, under controlled conditions, and is believed to be accurate and reproducible within the industry standards though ultimate performance of the nozzles in a specific installation may vary slightly due to inherent differences in each tower.

Distance from Centerline

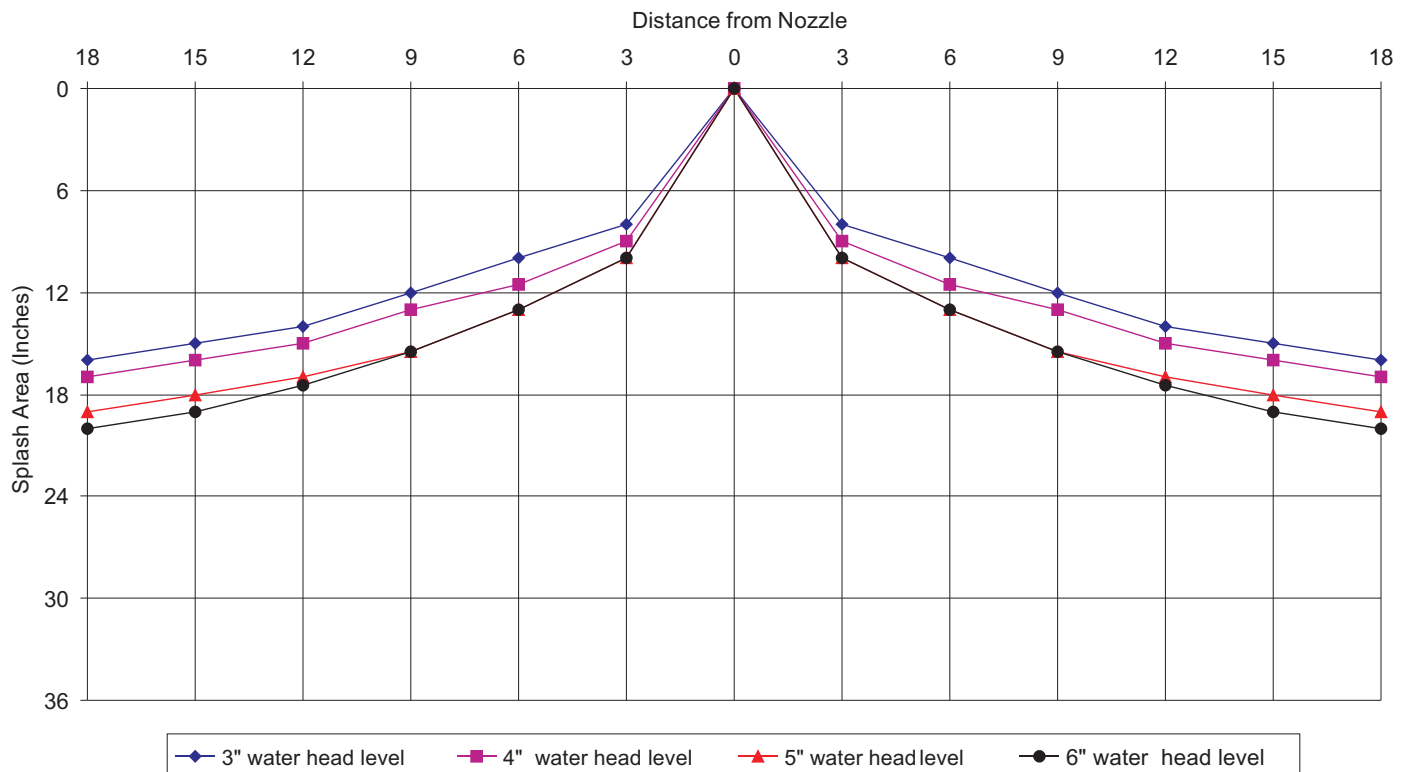
C. E. Shepherd Crown Nozzles (5/8" orifice) for Cross Flow Cooling Towers



C. E. Shepherd Company certifies that Crown Nozzles will perform in a manner consistent with the technical data provided. This information was compiled using independent testing, under controlled conditions, and is believed to be accurate and reproducible within the industry standards though ultimate performance of the nozzles in a specific installation may vary slightly due to inherent differences in each tower.

Distance from Centerline

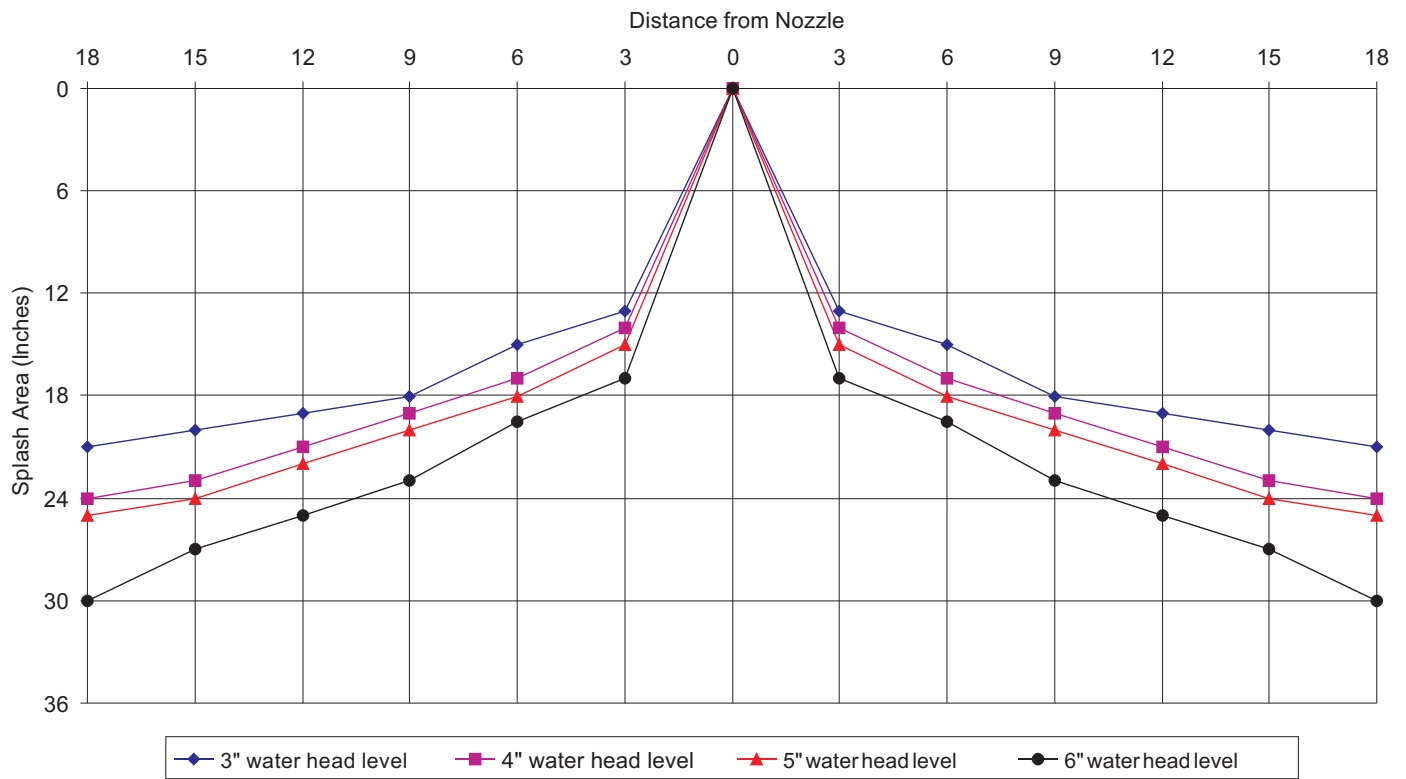
C. E. Shepherd Crown Nozzles (3/4" orifice) for Cross Flow Cooling Towers



C. E. Shepherd Company certifies that Crown Nozzles will perform in a manner consistent with the technical data provided. This information was compiled using independent testing, under controlled conditions, and is believed to be accurate and reproducible within the industry standards though ultimate performance of the nozzles in a specific installation may vary slightly due to inherent differences in each tower.

Distance from Centerline

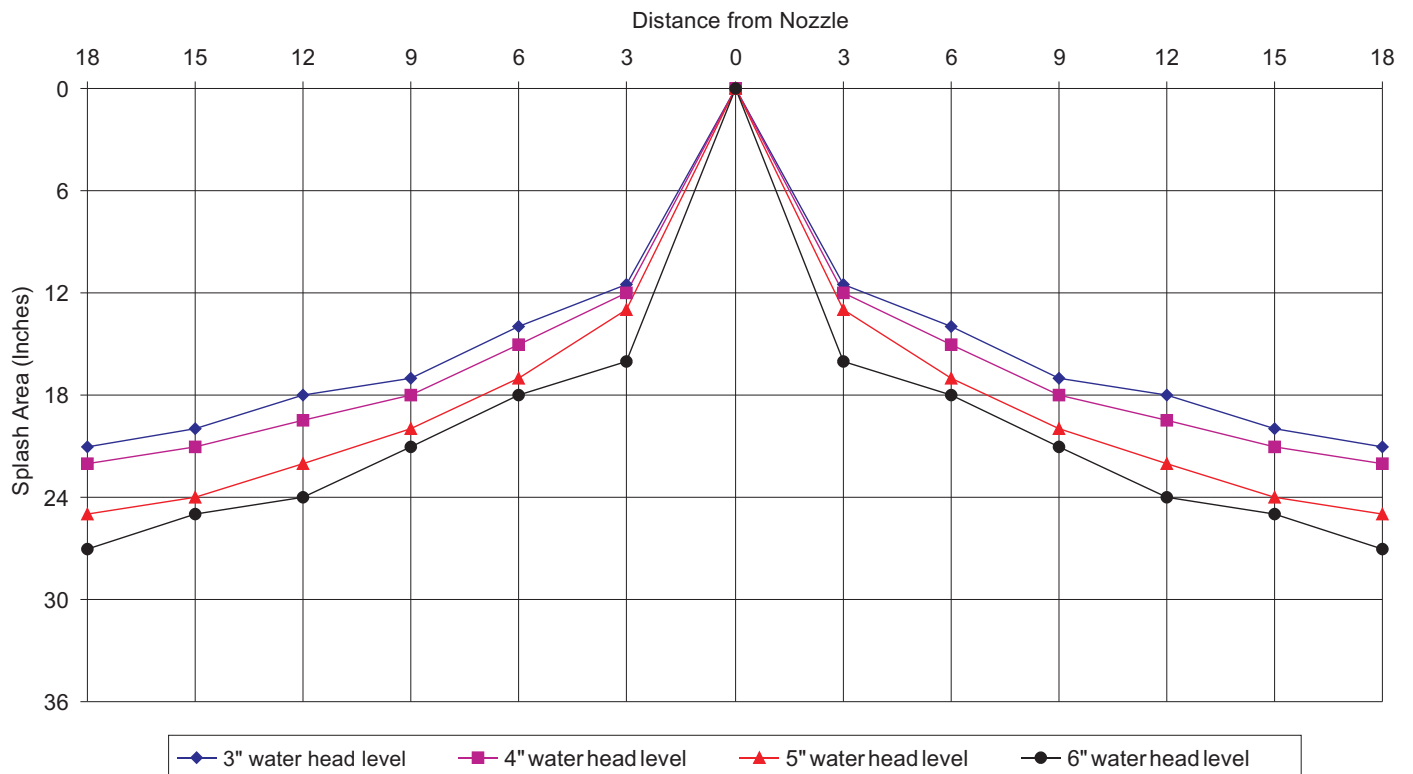
C. E. Shepherd Crown Nozzles (1" orifice) for Cross Flow Cooling Towers



C. E. Shepherd Company certifies that Crown Nozzles will perform in a manner consistent with the technical data provided. This information was compiled using independent testing, under controlled conditions, and is believed to be accurate and reproducible within the industry standards though ultimate performance of the nozzles in a specific installation may vary slightly due to inherent differences in each tower.

Distance from Centerline

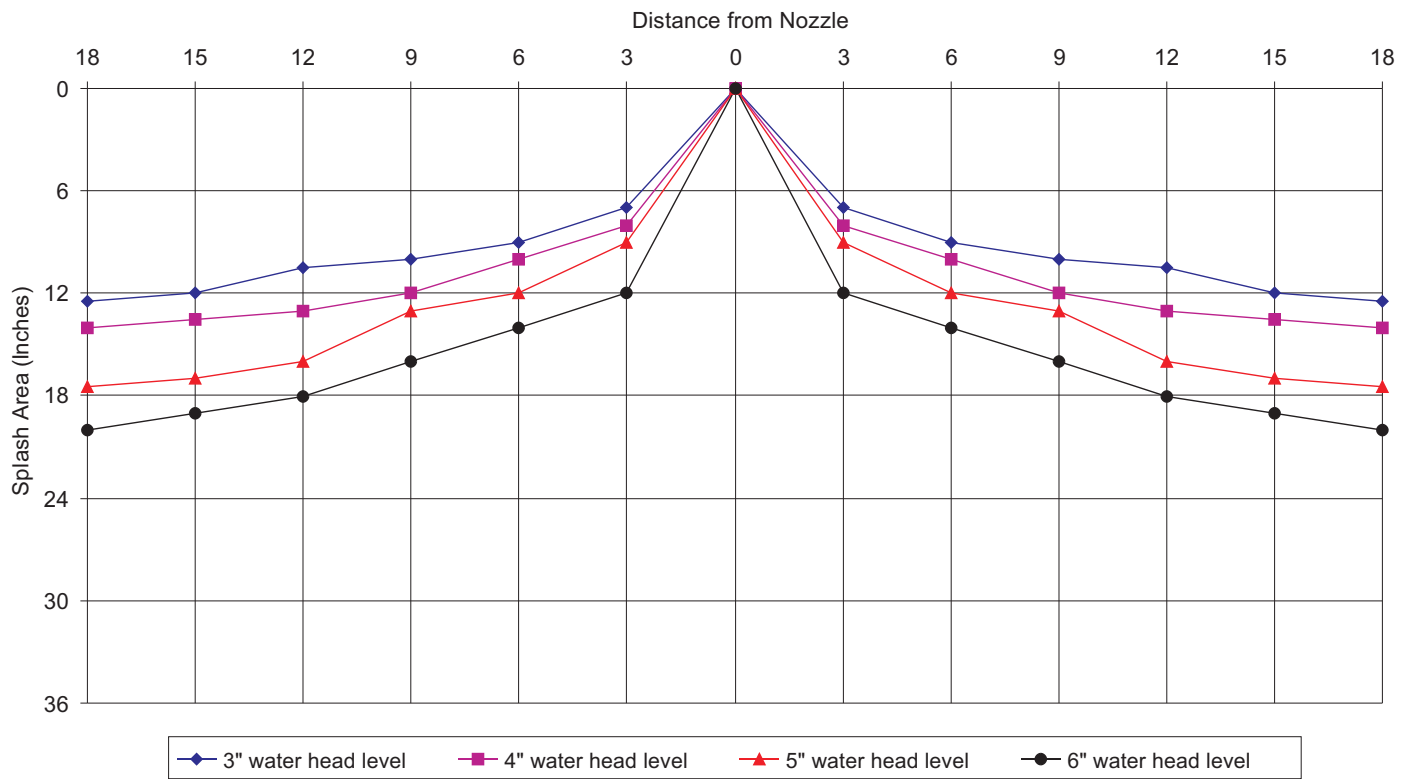
C. E. Shepherd Crown Nozzles (1-1/8" orifice) for Cross Flow Cooling Towers



C. E. Shepherd Company certifies that Crown Nozzles will perform in a manner consistent with the technical data provided. This information was compiled using independent testing, under controlled conditions, and is believed to be accurate and reproducible within the industry standards though ultimate performance of the nozzles in a specific installation may vary slightly due to inherent differences in each tower.

Distance from Centerline

C. E. Shepherd Crown Nozzles (1-3/8" orifice) for Cross Flow Cooling Towers



C. E. Shepherd Company certifies that Crown Nozzles will perform in a manner consistent with the technical data provided. This information was compiled using independent testing, under controlled conditions, and is believed to be accurate and reproducible within the industry standards though ultimate performance of the nozzles in a specific installation may vary slightly due to inherent differences in each tower.

End of Section

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