

Competitor Racing Lanes

4" Competitor Racing Lanes

Designed for optimum control of the water surface, our patented flow thru design allows the waves to be dispersed along the channel of revolving disks. COMPETITOR lanes have been selected and used in numerous Olympic Games, World Championships and National swimming events. Each lane comes completely assembled and is offered in a variety of colors and lengths to meet any needs.

Each COMPETITOR lane consists of a series of 4" plastic disks and donuts strung on a vinyl coated 3/16ths inch stainless steel cable. Each disk is designed to rotate independently of the others allowing the swimmers wake energy to be absorbed and dispersed along the channel provided within the lane. This feature allows for a consistency of wave quelling from one lane to another, a unique feature not found in other products on the market.

COMPETITOR Racing Lanes are attached to the pool wall using a stainless steel tension spring at one end and a stainless steel ratchet reel at the other end allowing for customized tension.



Specifications for the 4" COMPETITOR Racing Lane—

Photo shows 6" Gold Medal and 4" COMPETITOR Lanes

Use these detail specification when submitting specifications to architects and design consultants.

Covers products starting with COMPETITOR Part No# 200329000 through 200345000.

Each individual disc measures 4 inches in diameter and consists of a series of 5 fins projecting from the center hub. Mid way on the length of the disc hub is a radially extended web member, which supports an annular-section ring-shaped flanges in co-axial relationship with the central bore. To assist in damping the longitudinal wave forces, the web member is formed with a multiplicity of circular openings. The web in conjunction with the multiple fins combine to impede, aerate, dampen and break up the other. Both the web and the fins functions are very important in that most waves will not intersect the lane in a perpendicular manner.

Each disc has the capability to revolve independently from any other disk mounted on the 3/16th inch braided stainless steel cable. Which has a clear vinyl coating to protect the disks from excessive wear. Flotation is aided by the introduction of a hollow toroidally-shaped body, having a central radial web and a co-axial opening to position the float for freely sliding movement on the cable. These floats are deployed in an uniformly spaced interval and surrounded by a pair of modified discs on either side to accommodate the float without substantially altering the wave quelling properties of the lane as an assembled unit.

Assembly for each lane is completed at one end with a bronze nickel plated spool encased in a stainless steel tension mechanism to provide customized adjustment of lane torque. The other end has a stainless steel spring assembly to maintain equal pressure during use.

Color combinations are limited to any or all groupings of the following: Black, Blue, Green, Maroon, Orange, Purple, Red, White and Yellow. It is suggested that at least two colors be used, with 5 meters from each end of the pool being distinct in color pattern from the remainder of the lane. FINA requires a backstroke turn marking of a contrasting color 15 meters from each end of the lane.

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