



The Swim Breath

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WCCTC Tri News

Cycling Drill

Freestyle Stroke Phases part 4 of 5

Cycling drills are designed to improve your pedaling efficiency by improving your neuromuscular engagement during each pedal stroke. The following drill should be incorporated into your training throughout the season emphasized more during the base and building phases of your training.

One Leg -

- Drill: Flat reps at 85+ rpm, HR at long endurance or as indicated.
- Position: In the saddle, focusing on the working muscles, and maintaining an efficient pedal stroke.
- Time: 30 sec right leg and 30 sec left leg.
- Reps: Start with 3 (right and left leg is one set) and build up to 5.
- Frequency: 1-2 times per week.
- Even pressure throughout the entire pedal stroke. Non-working foot is clipped out of the pedal. The foot should move straight forward over the top of the pedal

In order to better understand stroke mechanics the arm stroke is broken down into 6 different phases - entry, catch, down-sweep, in-sweep, upsweep and recovery. Each arm goes through this cycle in about on second.

In-Sweep Phase - This phase begins at the deepest point of the down-sweep phase. The insweep starts outside and below the shoulder and finishes close to the center of the body as you are driving the hips and rolling to the side. As the hand and upper arm begin to travel toward the center of the body, the elbow flexes to allow the hand to rise. During this phase, it is important for the hand to be pressing through the water not slicing through the water. Remember not to lift the head up during your breathing pattern. Many novice swimmers will fist lift their head forward then turn to breathe which again can cause in efficient lateral movement.

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