This study includes a part of the project named New Talents in Golf and started in 1998 with the support of the Turkish Golf Federation. In this study, a profile was drawn by examining the motor and physical characteristics of the national golf team. Body composition and somatotype characteristics of the golfers were determined and their some motor and physiological parameters were measured and evaluated. Height, weight, bone length and width, muscle circumference and skinfold thickness were measured as the physical parameters. Measurements were taken according to the antropometric standardization Manuel. Heath-Carter anthropometric method was used in somatotype evaluation and Yuhazs formula was used in body composition evaluation.

As the motor characteristics, handgrip dynamometer was used for the static strength. The other equipments used for the motor characteristics were Lafayette balance equipment for the dynamic balance, flamingo balance for the static balance, Lafayette reaction measurement equipment for the reaction time, Lafayette anticipating timer for the anticipating time. The golfers were asked to stop the light which advanced in three different speed (1 mph, 10 mph, 40 mph) at the target for the anticipating time measurement. They were asked to do total 15 times (5 times per speed) in the test. The resting time between the repetitions was 0,5-2 seconds while it was 45 seconds between the sets.

In dynamic balance measurements, the time when the golfers kept balance in the balance platform according to the angle values (5 degree for right, 5 degree for left) was recorded as seconds. The test was repeated twice and total test time was evaluated as 60 seconds. Static strength was measured both as right and left hands with the hand grip and total of both hands were evaluated. The golfers were asked to follow the lines on the target in the two arm coordination equipment. The number of errors the outside of the target area and execution time was recorded as millisecond.

All the golfers who participated in the study were selected from the project New talents in Golf. They have played golf for 5-8 years and they do training at least 3 hours per day. The team became the European champion in 2005. Mean age of the athletes was 19.7±0.9, mean height was 173.8±4.8 and mean weight was 65.6±4.2. When they were compared with the other athletes in various sports, they were at medium height and weight. It was determined that body mass index of the golfers was low, somatotype values were balanced mesomorphic (2, 8 – 4, 5 – 3). Also it was seen that mean values of skinfold thicknesses were low, fat percent was low and lean body weight was high. When static strength average level was compared with the athletes in different sports, it was found that dominant hands were stronger, anticipating time and dynamic and static balance abilities were above average.