

2021

***SPECIFICATIONS FOR
SQUASH BALLS***

**WORLD
SQUASH**

WSF

RECOMMENDED STANDARDS
APPROVED BY THE WSF

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SPECIFICATIONS OF SQUASH BALLS

1. A STANDARD DOUBLE YELLOW DOT (Competition) BALL

The following specification is the standard for a double yellow dot (Competition) ball to be used under the Rules of Squash.

Diameter	(millimetres)	40.0 + or - 0.5
Weight	(grams)	24.0 + or - 1.0
Stiffness	(N/mm) @ 23 degrees C.	3.2 + or - 0.4
Seam Strength	(N/mm)	6.0 minimum
Rebound Resilience	- from 254 centimetres	
@ 23 degrees C.	12% minimum	
@ 45 degrees C.	25% - 30%	

2. A STANDARD SINGLE YELLOW DOT (Club) BALL

The following specification is the standard for a single yellow dot (Club) ball to be used under the Rules of Squash.

Diameter	(millimetres)	40.0 + or - 0.5
Weight	(grams)	24.0 + or - 1.0
Stiffness	(N/mm) @ 23 degrees C.	3.2 + or - 0.4
Seam Strength	(N/mm)	6.0 minimum
Rebound Resilience	- from 254 centimetres	
@ 23 degrees C.	15% minimum	
@ 45 degrees C.	30% - 35%	

3. SPECIFICATION FOR A HIGH ALTITUDE SQUASH BALL

The following specification is the standard for a green dot High Altitude squash ball to be used under the Rules of Squash.

Diameter	(millimetres)	40.0 + or - 0.5
Weight	(grams)	24.0 + or - 1.0
Stiffness	(N/mm) @ 23 degrees C.	3.2 + or - 0.4
Seam Strength	(N/mm)	6.0 minimum
Rebound Resilience	- from 254 centimetres	
@ 23 degrees C.	9% minimum	
@ 45 degrees C.	25% - 30%	

NOTES

1. The full procedure for testing balls to the above specifications is available from the WSF. The WSF will arrange for testing of balls under standard procedures if requested.

2. No specifications are set for faster or slower speeds of ball, which may be used by players of greater or lesser ability or in court conditions which are hotter or colder than those used to determine the Club and Competition specifications. Where faster speeds of ball are produced they may vary from the diameter and weight in the above specifications. It is recommended that balls bear a permanent colour code or marking to indicate their speed or category of usage. It is also recommended that balls for beginners and improvers conform generally to the rebound resilience figures below.

Beginner	Rebound resilience @ 23 degrees C	not less than 17%
	Rebound resilience @ 45 degrees C	36% to 38%
Improver	Rebound resilience @ 23 degrees C	not less than 15%
	Rebound resilience @ 45 degrees C	33% to 36%

Specifications for balls currently fulfilling these requirements can be obtained from the WSF on request.

The speed of balls may also be indicated as follows:

Super slow	double yellow dot & green dot (high altitude ball)
Slow	single yellow dot
Medium	red dot (this ball can be larger than 40mm diameter)
Fast	blue dot (this ball can be larger than 40mm diameter)

3. Balls which are used at World Championships or at similar standards of play must meet the above specifications for the Standard Double Dot (Competition) ball. Additional subjective testing may be carried out by the WSF with players of the identified standard to determine the suitability of the nominated ball for Championship usage.
4. Yellow dot balls of a larger diameter than 40.0mm specified above, but which otherwise meet the specification, may be authorised for use in tournaments by the official organising body.