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ESPN Roscoe Tanner



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<b>Title</b>	ESPN Roscoe Tanner
<b>Subtitle</b>	Fastest Tennis Serve
<b>Description</b>	Analyzing the fastest serve in the World
<b>Subject</b>	Performance Analysis;Sports;Tennis
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## Future Sport Interview with Roscoe Tanner

In this episode of Future Sport, we have the fastest server in the world, Roscoe Tanner. Roscoe shares his journey into tennis, which started at the age of six as a social game with his friends.

We also delve into the science behind his powerful serve. In our laboratory, we measure the forces going through the ground during Roscoe's serve. The results reveal that Roscoe generates 349 pounds of force on the ground, which is twice his body weight. This force is what allows him to hit the ball at speeds of 130-140 miles per hour.




Roscoe's technique is likened to shooting a cannon ball with his foot firmly on the ground, demonstrating the importance of grounding in tennis.

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## Audio transcription

Frame	#	Time	Spoken text
	0.	00:00:00	Learn how to play tennis.
	1.	00:00:09	With us today on Future Sport, fastest done in the West.
	2.	00:00:12	That's fastest served in the world.
	3.	00:00:14	Roscoe Tanner. Roscoe, nice having you with us.
	4.	00:00:16	Thanks. It's great to be here.
	5.	00:00:17	How did you get started in tennis, Roscoe?
	6.	00:00:19	Well, when I was six years old, my dad wanted me to be able to
	7.	00:00:23	learn how to play tennis just so that I could play.
	8.	00:00:26	I probably became a lawyer or something I got to do after work.
	9.	00:00:29	It was a social game, and there was about four or five of us
	10.	00:00:32	that started taking lessons together in tennis.
	11.	00:00:34	We did little league baseball, we played football together,
	12.	00:00:36	and everything else, and we were very competitive,

Frame	#	Time	Spoken text
	13.	00:00:39	<i>and we just started playing tennis together and really enjoyed it</i>
	14.	00:00:43	<i>and played all the time.</i>
	15.	00:00:44	<i>We have a way in our laboratory of measuring precisely</i>
	16.	00:00:47	<i>how much power is going into that thing</i>
	17.	00:00:49	<i>by measuring the forces going through the ground.</i>
	18.	00:00:51	<i>So we're going to go in right now and take a look at how you serve</i>
	19.	00:00:55	<i>and how many forces go through the ground,</i>
	20.	00:00:57	<i>and have to get in there.</i>
	21.	00:01:02	<i>All right, Roscoe, what we want to do now is to measure</i>
	22.	00:01:04	<i>how much force you're able to throw into that serve,</i>
	23.	00:01:06	<i>and Dr. Ariel is inside on his magic machine.</i>
	24.	00:01:08	<i>All you got to do is come up, hit your regular serve,</i>
	25.	00:01:11	<i>stand on this fourth plate.</i>
	26.	00:01:12	<i>Whatever goes through the ground is going into the serve.</i>
	27.	00:01:15	<i>Anytime you're ready.</i>
	28.	00:01:22	<i>All right, let's take a look. Get in.</i>
	29.	00:01:26	<i>Well, Vic, this is amazing.</i>
	30.	00:01:28	<i>Look on Roscoe 10 and how much force you generate on the ground.</i>
	31.	00:01:31	<i>349 pounds.</i>
	32.	00:01:33	<i>Well, some people might say, why 349 pounds on the ground?</i>
	33.	00:01:37	<i>I am generating it on the racket.</i>
	34.	00:01:39	<i>Well, anything you generate on the ground has to come to the racket</i>
	35.	00:01:42	<i>and vice versa.</i>
	36.	00:01:44	<i>Newton knew that a long time ago, action in reaction,</i>
	37.	00:01:47	<i>349 pounds, Roscoe 10 away only 175 pounds.</i>
	38.	00:01:53	<i>So all the force is going down has to come up.</i>
	39.	00:01:56	<i>349 pounds, that's amazing.</i>
	40.	00:01:58	<i>Not how much you wait.</i>
	41.	00:01:59	<i>170.</i>
	42.	00:02:00	<i>Gideon's right on.</i>
	43.	00:02:01	<i>So that's two times body weight.</i>
	44.	00:02:03	<i>So you put your foot against the fourth plate, you dig in,</i>
	45.	00:02:05	<i>and you hit the ball.</i>
	46.	00:02:06	<i>You hit the ball 130, 140 miles an hour.</i>
	47.	00:02:09	<i>That's amazing to me.</i>
48.	00:02:10	<i>You generate 349 pounds.</i>	

Frame	#	Time	Spoken text
	49.	<b>00:02:12</b>	<i>As Gideon says, you shoot your cannon ball</i>
	50.	<b>00:02:14</b>	<i>by keeping your foot on the ground, and that's why,</i>
	51.	<b>00:02:16</b>	<i>because you can't shoot a cannon out of a canoe.</i>
	52.	<b>00:02:19</b>	<i>Anyway, Roscoe, great having you with the sun.</i>
	53.	<b>00:02:21</b>	<i>Thanks.</i>
	54.	<b>00:02:22</b>	<i>It was great to be here.</i>

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