

Sport Prostheses

The summaries are organized in three levels depending on the detail of information. The overview table (Level 1) lists all the relevant publications dealing with a particular product (topic) as well as researched categories (e.g. level walking, safety, activities, etc). The Level 2 summaries list all relevant information on the device concerning a specific category (e.g. sprinting, running, jumping; biomechanics; clinical aspects; etc.).

For those interested in learning more about individual studies, the summaries (Level 3) provide a concise synthesis of the respective references.

Reference		Category										Prosthesis
		Activities		Participation				Body function			Other	
Author	Year	Sprinting, running, jumping	Other sports	Leisure / recreational sports	Competitive sports	Paralympic sports	Preference, satisfaction, QoL	Biomechanics (kinematics / kinetics)	Clinical (metabolic / performance)	Medical (pain / injuries)	Technical aspects / alignment	
<u>Beck</u>	2022	x						x	x			Bilateral amputated sprinter, 1E90, stiffness category 3
<u>Hobara</u>	2019	x						x				3R95, 3S80, 1E90, 1E91
<u>Namiki</u>	2019	x						x				3S80, 1E90
<u>Beck</u>	2017a							x				Bilateral amputees, 1E90, Catapult FX6 (FI) and Cheetah Xtend (Össur)
<u>Beck</u>	2017b								x			Unilaterall amputees, 1E90, Catapult FX6 (FI) and Flex-Run (Össur)
<u>Makimoto</u>	2017	x						x				3S80, 1E90
<u>Schmalz</u>	2017	x						x				1E95 Challenger Foot, 3S80 Sport Knee Joint and 1E90 Sprinter foot
Total number: 7		5	0	0	0	0	0	6	2	0	0	