

ottobock.

Joy of movement

Everyday knee joint and sport prosthesis solutions for children



Quality for life

Rio is unstoppable

Nine-year-old Rio keeps his parents on their toes day in and day out with his exuberant spirit and zest for action. The latest child-friendly prosthetic technologies help him take part in life and fulfill his dreams. It's something his parents would not have thought possible at the time of his amputation, around seven years ago.

Rio's right leg was amputated due to an extremely rare bone deformity when he was just an infant. The young Brit received his first leg prosthesis before his second birthday. A mere seven years later, his family's initial concern has been supplanted by the certainty that Rio will not only master his young life, but likely attract attention through outstanding performance in sports. "Rio," his father Trevor proudly notes, "is an extremely active lad – he is always in motion, plays football with his friends at school or in the garden, and even romps around constantly on the living room furniture."

Seeing Rio at school and at home today makes you wonder if this young boy could ever take no for an answer. Rio can keep up with his peers in any activity, thanks to his mechanical prosthetic knee joint designed just for children.

On the playground, in the classroom, or during school sports – Rio feels equal to his classmates, because he can match them in all respects. But that's far from enough for this little whirlwind from the UK. His goal is to compete in the Paralympic Games as a sprinter one day. That's why being able to use a special sport prosthesis with a running blade, in addition to his everyday knee joint, is a matter of course for Rio. The nine-year-old easily switches between his two prostheses as needed.





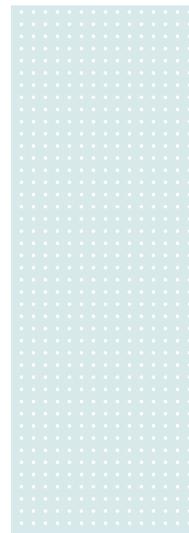
“My friends think it’s cool that I don’t need any special attention. I can do anything we want to do at the moment.”

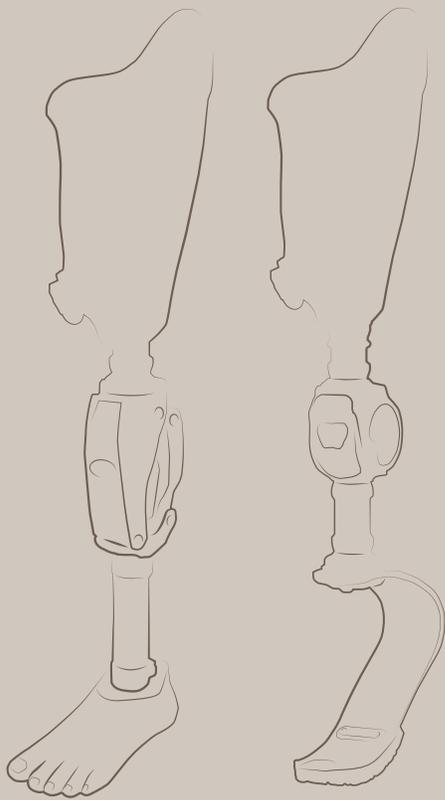


Leading by example

Rio owes his healthy self-confidence to the feedback he has received from many people who are inspired by his positive attitude and his enthusiasm for sports.

“My friends are often amazed at how tough I am when we play football. I give everything I’ve got on the pitch to help my team win.”





Tailor-made support for active children

Developed on the basis of the 3R60 knee joint for adults which has been tried and tested over many years, we modified the kid's knee joint especially for the needs of young users. The joint gives small users great freedom of movement with a net weight of just 18 ounces and an especially high flexion angle of 150°. Hydraulics equipped with a special oil control the swing phase during walking, allowing the child to move at different walking speeds. Thanks to its multi-axial structure, the knee joint also offers your child a high level of stability. Active children who love to move are elated by the joint's suitability for everyday use and don't want to be without it.

Children who also want to train more intensively or, like Rio, have dedicated themselves to a specific discipline, also benefit from our special combination of sport components. Consisting of a 3S80=1 Sport knee joint for children and a dynamic prosthetic sport foot, the Runner junior™, this combination opens new prospects for a future in sports for highly active children.



3R67™



3S80=1 Sport



Runner junior™

Optimized for a child's everyday life

Kneeling made easy

Be impulsive: Children in particular want to move easily in everyday life. They also want kneeling down to be easy, so they can pet the neighbor's dogs or search for a coin that has rolled under the furniture. Thanks to the high 150° flexion angle of our 3R67™ hydraulic knee joint for children, Rio bends down just as quickly as other children – without thinking about it.



From cozy to active

Rio loves being spontaneous, and he expects his knee joint to adapt immediately to his current walking speed. Whether the nine-year-old is sauntering across the school playground during break or running to the ice cream shop on the corner – the integrated hydraulics in his 3R67™ knee joint provide reliable support at any speed of movement.



Robust and durable

Children want to compete with their peers as equals, without giving a second thought to delicate prosthesis components. Thanks to its robust design, the knee joint for children stands up to high levels of strain – even when things get a bit rough while playing or during sports. It also features a multi-axial structure which offers enhanced safety for young users.



