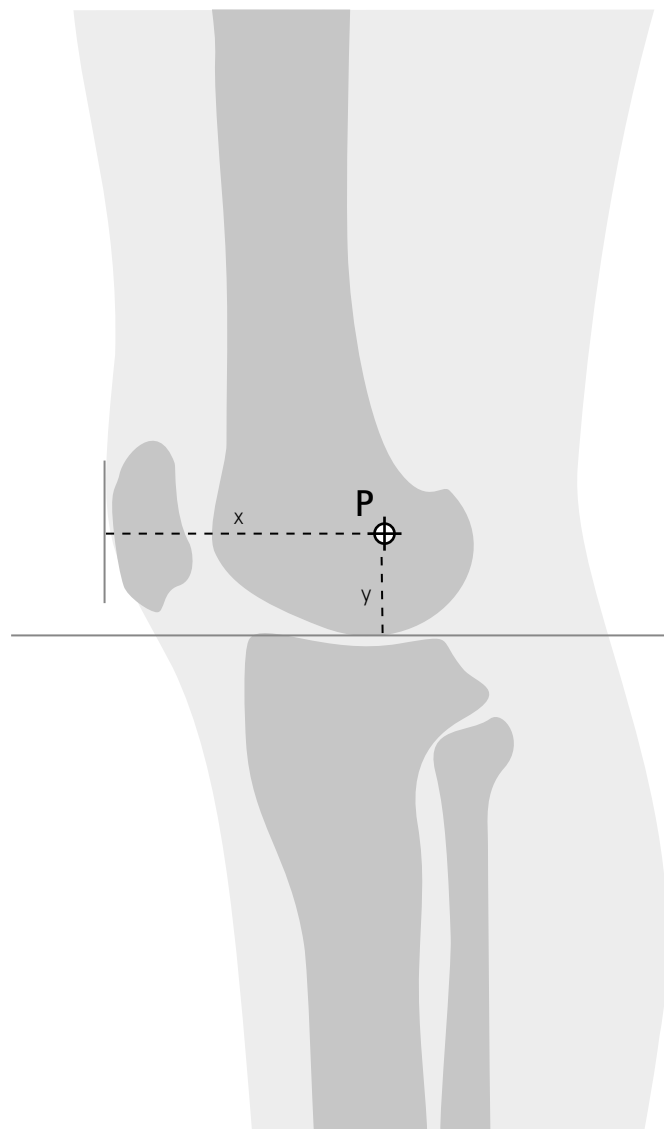



# Position of the Mechanical Pivot Point at Knee Height at Knee Orthoses

The Orthosis Configurator has calculated the exact mechanical pivot point P for your planned orthosis. For knee orthoses, point P is directly located on the anatomical compromise pivot point according to Nietert. You will find the calculated value in the table below. We recommend you place the orthotic knee joint directly on this calculated pivot point P. To do so, mark point P on the patient's leg according to our production technique. Later, the alignment aid is pierced through point P on the negative cast.

Due to the rolling and sliding motion of the human knee, the anatomical pivot point moves on a centrode during flexion and extension. The anatomical compromise pivot point centres the several pivot points of the centrode as precisely as possible on only one point.

For patients without any impairment on the muscles, it makes sense to place the axis of the orthotic knee joint on the anatomical compromise pivot point according to Nietert.



**P**  **mechanical pivot point**  
(corresponds to the anatomical compromise pivot point according to Nietert)

## Patient Data

first name .....	surname .....
body height ..... cm	leg side .....
centre distance ..... mm	ap measurement .....
muscle strength hip extension .....	x ..... mm
muscle strength knee extension .....	mechanical pivot point (P) y ..... mm

**Note:** In order to ensure an exact calculation of the pivot point, the stated patient data and especially the ap measurement must be as precise as possible.