

Gait

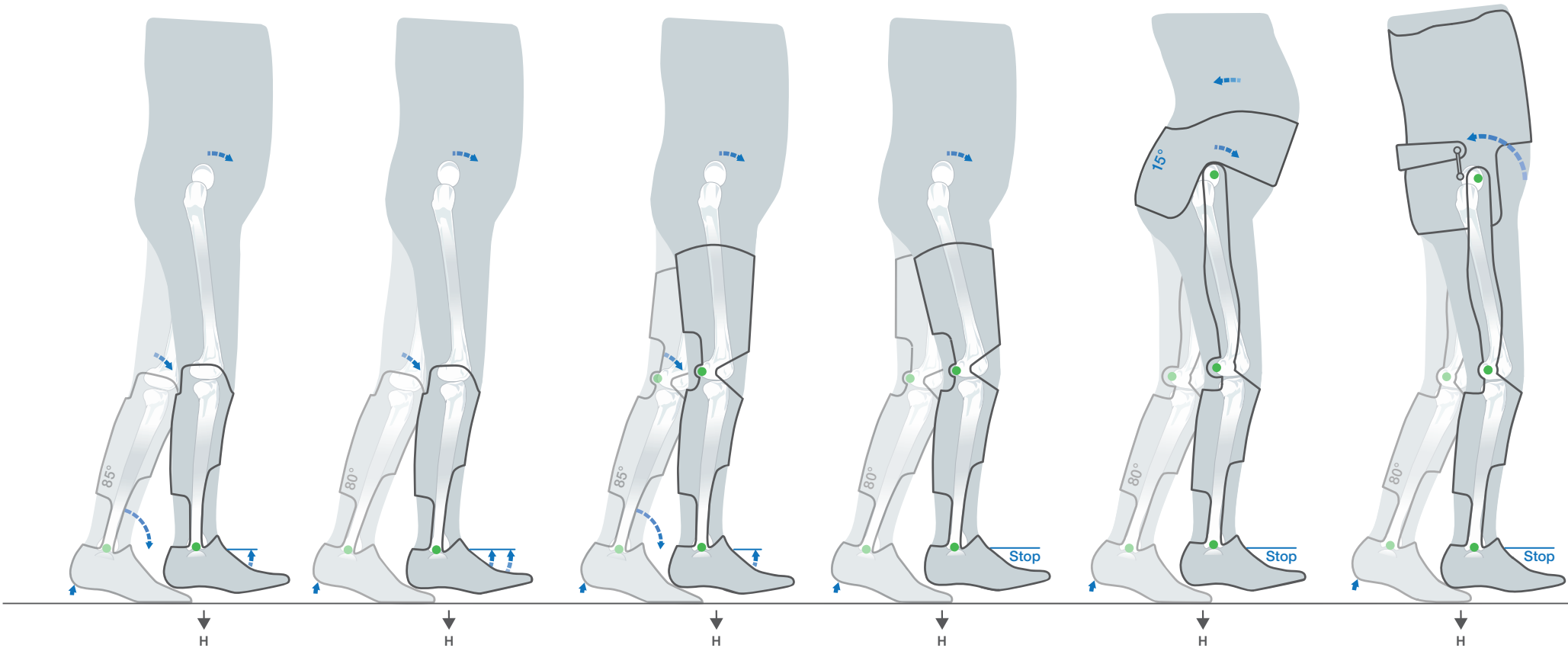
Walking's fundamental characteristic is its alternating leg movement, which guarantees continuous contact with the ground.

Among healthy individuals, walking styles vary: some walk with hyperextended legs, whereas others significantly bend their knees. AFO wearers, depending on their condition, can sometimes maintain what is considered a normal gait pattern. However, for those using orthoses above the AFO level, such as a KAFO, achieving a normal gait pattern is usually no longer feasible.



Walking With an Orthosis

differs significantly from the natural, muscle-controlled movements of a healthy person. The orthosis restricts certain movements while supporting others, requiring the wearer adopt an alternative gait to move forward. The following examples demonstrate step initiation using different orthoses.



	AFO	AFO	KAFO	KAFO	HKAFO	RGO
Hip					Fokus	Buran
Knee			Liber	Liber-Extensor	Liber	Konso-0
Ankle	Shuttle-Turbo (uprighting force)	Ela-Dor	Shuttle-Uno-front (uprighting force)	Jumper	Naveta	Shuttle