

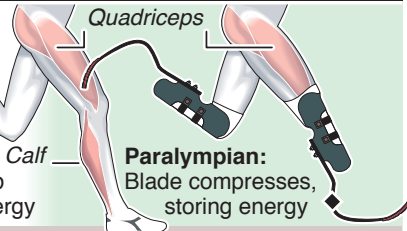
Oscar Pistorius aka "Blade Runner"

Double amputee Oscar Pistorius became the first amputee sprinter to take part in the Olympics when he ran in the 400m heats in London, and will defend his 100m, 200m and 400m titles at the Paralympic Games

"CHEETAH FLEX-FOOT" VERSUS BIOLOGICAL LIMBS

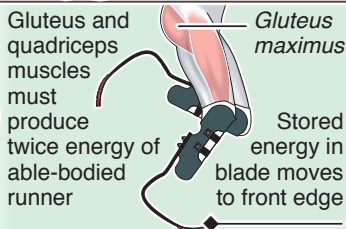
1 FOOT STRIKES GROUND

Able-bodied runner: Ankle, calf, knee and quadriceps absorb impact, storing energy



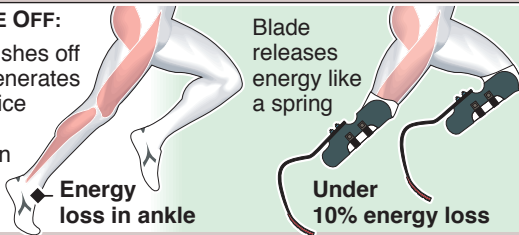
2 MID STRIDE

Calf muscle begins to fire. All leg muscles provide locomotion



3 TAKE OFF:

Foot pushes off – leg generates over twice energy stored in first impact



Socket:

Snug fit to leg

Foot: Carbon composite

Spikes

RECORD COMPARISONS

Time (seconds)

Competition	100m	200m	400m
Olympic records	9.63	19.30	43.49
Pistorius's records	10.91	21.58	45.07
Paralympic records (T43)	11.16	21.67	47.49
Paralympic records (T44)	11.08	22.62	50.98