



# INVACARE®

## 4SURE™ SUSPENSION SYSTEM



***Yes, you can:***



Design. Technology. Performance.

# Invacare 4Sure Suspension System

## Enjoy the ride

**When it comes to traction, there's no substitute for all four wheels in contact with the ground at all times.**

The advanced 4Sure Suspension System includes articulating front anti-tippers, true shock absorbers and elastomer dampeners all working together to help keep all four wheels on the ground and the seat plane as level as possible, even over curbs and other obstacles.

Its patented four-bar linkage with floating pivot points creates important driving performance advantages, from its soft ride, to superior traction, to powerful climbing even at low speed.

### Obstacles are no obstacle

- ▼ As the user navigates an obstacle, the active anti-tippers cushion the impact as they deflect up, causing the chassis to rotate back and the rear springs to compress on the rear swing arms, forcing them down.



- ▼ As the drive wheel impacts the obstacle, some of the impact is absorbed by the compression of the front shock absorbers.



- ▼ After the drive wheel climbs the curb, the chassis returns to level and the rear springs return to an uncompressed position.



- ▼ Finally, the rear casters come into contact with the curb and the rear springs will absorb the impact and compress.



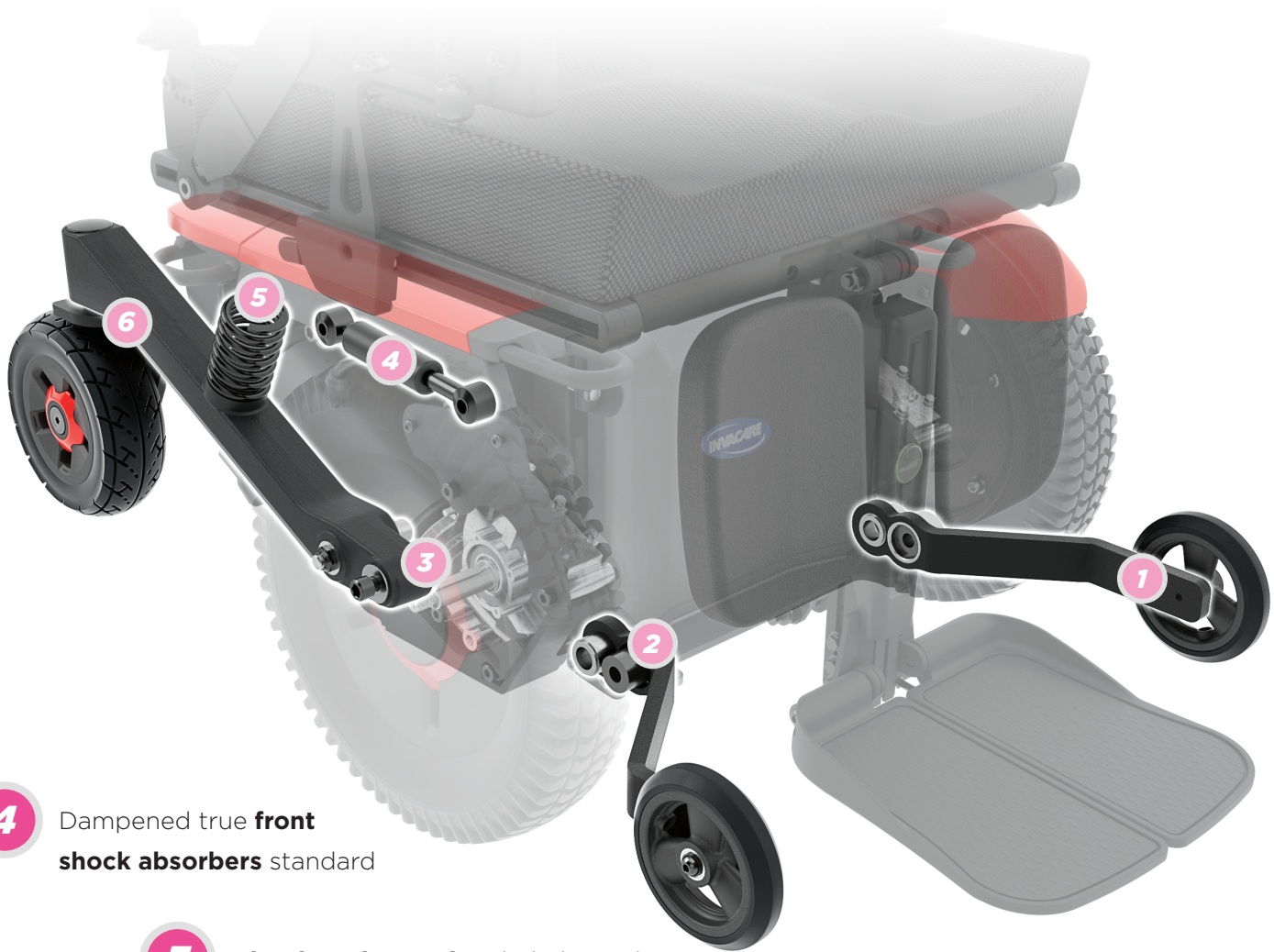
The result is confident control and traction for the user, as the seat plane remains as level as possible. And thanks to the powerful climbing ability and stability, little or no runway is needed to traverse obstacles in the AVIVA™ FX Power Wheelchair.



# An advanced system at a glance

**5** **Springs help cushion impacts** and compress rear swing arms for traction

**6** Long **swing arms** create smooth movement by minimizing rocking over obstacles



**4** Dampened true **front shock absorbers** standard

**3** **Floating pivot points** help keep the user as level as possible even when traversing obstacles at slow speed

**2** **Elastomer dampeners** reduce vibration for smooth ride

**1** **Active anti-tippers** are connected to chassis for stability when climbing

# Unbeatable



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