

zeroG® vs. Torque Arms

Torque arms are commonly used in a variety of manufacturing environments. While valuable for certain repetitive, high-torque tasks where angular freedom is not required, torque arms have restrictions that limit their utility.

Features	<i>zeroG</i> ®	Torque Arms
Freedom of Motion	Full freedom of motion: The operator is able to maneuver his tool with every degree and angle of freedom needed – just without the weight.	Limited: Torque arms were designed to provide support - not freedom of motion. The delay between the operator’s action and the arms’ reaction can also create difficulties - especially for repeated or precision tasks.
Mounting Flexibility	Total Flexibility in Mounting: <i>zeroG</i> ®’s universal mounting system and small footprint enable seamless integration in almost any manufacturing environment.	Limited Flexibility: Torque arms often require overhead mounting or bulky infrastructure.
Power Source	Zero Energy Required: <i>zeroG</i> ® is 100% mechanical and requires no electrical, hydraulic, or pneumatic power source to operate.	Required: The need for a power source – hydraulic, pneumatic or electric – adds to the complexity and expense of operation.
Payload Capacity	Low-to-Medium Weight: <i>zeroG</i> ® technology was designed to support tools, parts and other payloads up to 36 lbs.	Wide Range: Torque arms vary greatly in their payload capacity. Some arms support tools weighing a few pounds while others can support several hundred pounds. The utility of a torque arm increases greatly with increased payloads.