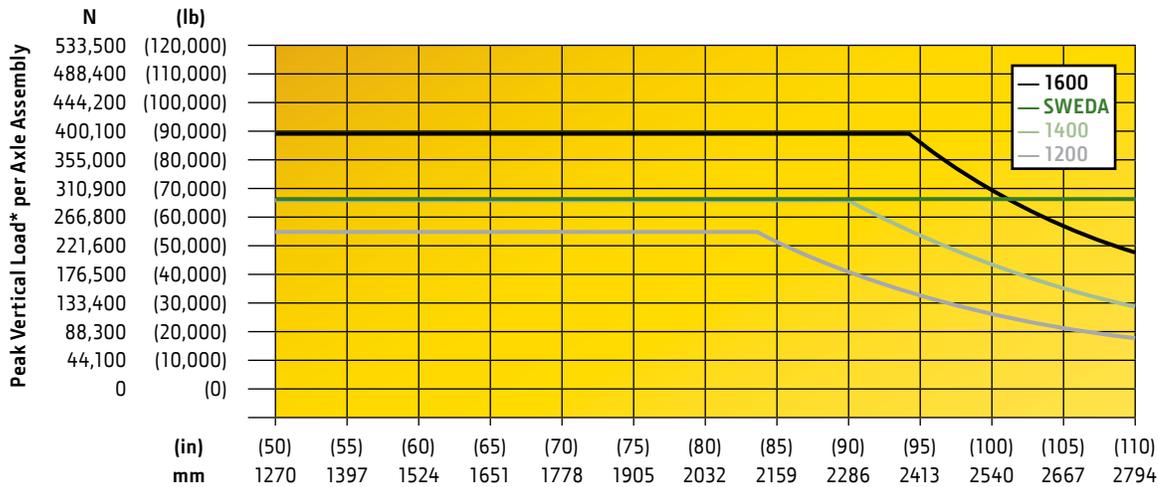


Performance data



Flange to Flange

*Peak load level (fixed axle) assuming traction-limited condition, 0.5 traction coefficient, and a specified loaded tire rolling radius.

Features and benefits

Custom features

- Inboard planetary final drive design
 - Increases tire size flexibility since the planetary does not compete for wheel space
 - Enables a wider variety of acceptable track widths than outboard designs
 - One integral oiling and cooling system
 - Reduces heat transfer to tires
- Independent or dual-service brake actuation
- Spiral bevel gear set design allows bidirectional operation
- Input housings designed for use with oscillation hardware
- Spring-applied hydraulic release or manually applied parking brakes on fixed mounted axles
- Inboard wet brakes increase reliability and provide spark-free operation for regulatory compliance in hazardous environments
- One oil supply for all planetary, brake, and differential components for better cooling

Cost-effectiveness

John Deere can custom build an axle to your specific torque and load requirements. Our building-block design consists of 12 modules of varying sizes, load capacities, ratios, and specifications. The best torque and load carrying capacity will be selected based on your application.

- Three axle families to better match your requirements
- Gray or ductile iron axle housings for improved load-matching
- Standard or heavy-duty wheel bearings
- Standard or extra-wide planetaries for better torque, shock, and reverse load-matching

Long axle life

- Final drives, spiral bevel gear set, and structural components designed for extreme applications
- Planetaries not packaged into the wheel, allowing for larger size, making torque and forward-reverse transitions reliable
- Sliding tooth contact spiral bevel gear set is minimized for longer life
- Large oil sump ensures cool operation, prolonging life of the spiral bevel gear set, final drives, differential bearings, and pinion bearings
- Inboard wet disc brakes protected from contaminants and last up to four times longer than dry disc brakes
- Inboard wet disc brakes operate cooler and last longer due to large sump
- No brake lines at the wheel end that require protection
- Inboard wet brakes provide spark-free operation for regulatory compliance in hazardous environments

Reliability

- Application engineers ensure axle specifications meet your vehicle torque, load, and operating performance requirements

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All values at rated speed and power with standard options unless otherwise noted. Specifications and design subject to change without notice.