



OVERVIEW

AxleTech is introducing the TA277, a new rigid axle for baggage and cargo tractors with short wheel bases, intended to replace the time-tested TA267 with a modern and elegant design to increase axle life and serviceability. Featuring a quieter and stronger differential, full-floating axle shafts, and an all-new wheel-end design, the TA277 is the next generation axle of an industry standard with the intent to raise market expectations by reducing downtime and total cost of ownership.

TECHNICAL SPECIFICATIONS

Axle capacity lb (kg)	6,000 (2,700)
Draw bar pull	6,000 (2,700)
Axle type	Full floating rigid axle
Axle ratios	14.14, 17.00, or 20.00
Housing	Ductile iron center section with steel tubes
Wheel mount in (mm)	Hub piloted 8 stud - 6.50 (165) bolt circle with a 4.74 (120) pilot diameter
Input flange	1310 companion flange or as specified
Brakes in (mm)	Hydraulic disc, single or dual caliper, 13.0 (330)
Parking brake	Optional hand lever, cable-actuated brake at input
Minimum rim size in (mm)	15.0 (381)
Hub flange to flange in (mm)	36.1 (917), 37.8 (960), 47.6 (1,210), or 51.2 (1,300)

FEATURES AND BENEFITS

Full-floating wheel end design	Extends wheel seal and bearing life
Pressed-in tube housing	Facilitates variations in track widths
Outboard brake rotors	Significantly shorten the time it takes to service brakes
Independent caliper brackets	Simplify extensive brake service by allowing removal of calipers and rotors without draining or disassembling the wheel end
Double reduction design	Reduces fuel consumption by delivering power more efficiently when compared to triple reduction designs
Adjustment-free differential housing	Makes servicing easy by eliminating bevel gear adjustments
Deep groove ball bearings in drop box	Minimize service as they do not require complex shim adjustment procedures and special tools as in common tapered roller bearing configurations

IMPROVEMENTS

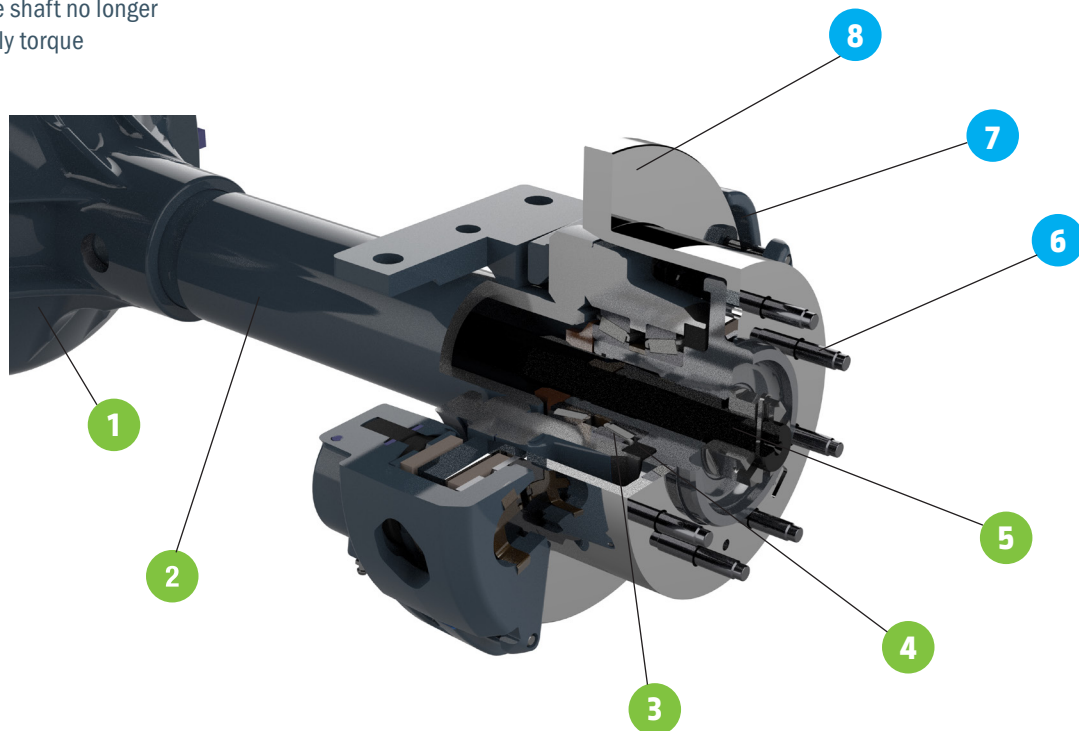
As a replacement of the TA267, the new TA277 provides several new design and service features intended to make the axle more robust and easy to service, both contributing to overall downtime reduction.

NEW DESIGN FEATURES

- 1** Quieter and stronger differential
- 2** Increased axle tube diameter for greater housing strength
- 3** Improved wheel bearing design, using same bearings as differential
- 4** Better wheel end sealing
- 5** Full floating axle shaft no longer carries load, only torque

NEW SERVICE FEATURES

- 6** Easy wheel stud replacement
- 7** Independent caliper brackets
- 8** Outboard brake rotors



HEADQUARTERS

AxleTech
1400 Rochester Road
Troy, Michigan 48083
USA

+1 877-877-9717
Int'l +1 248-658-7200

EMAIL

OE: sales@axletech.com
Aftermarket: aftermarket@axletech.com

AXLETECH.COM