

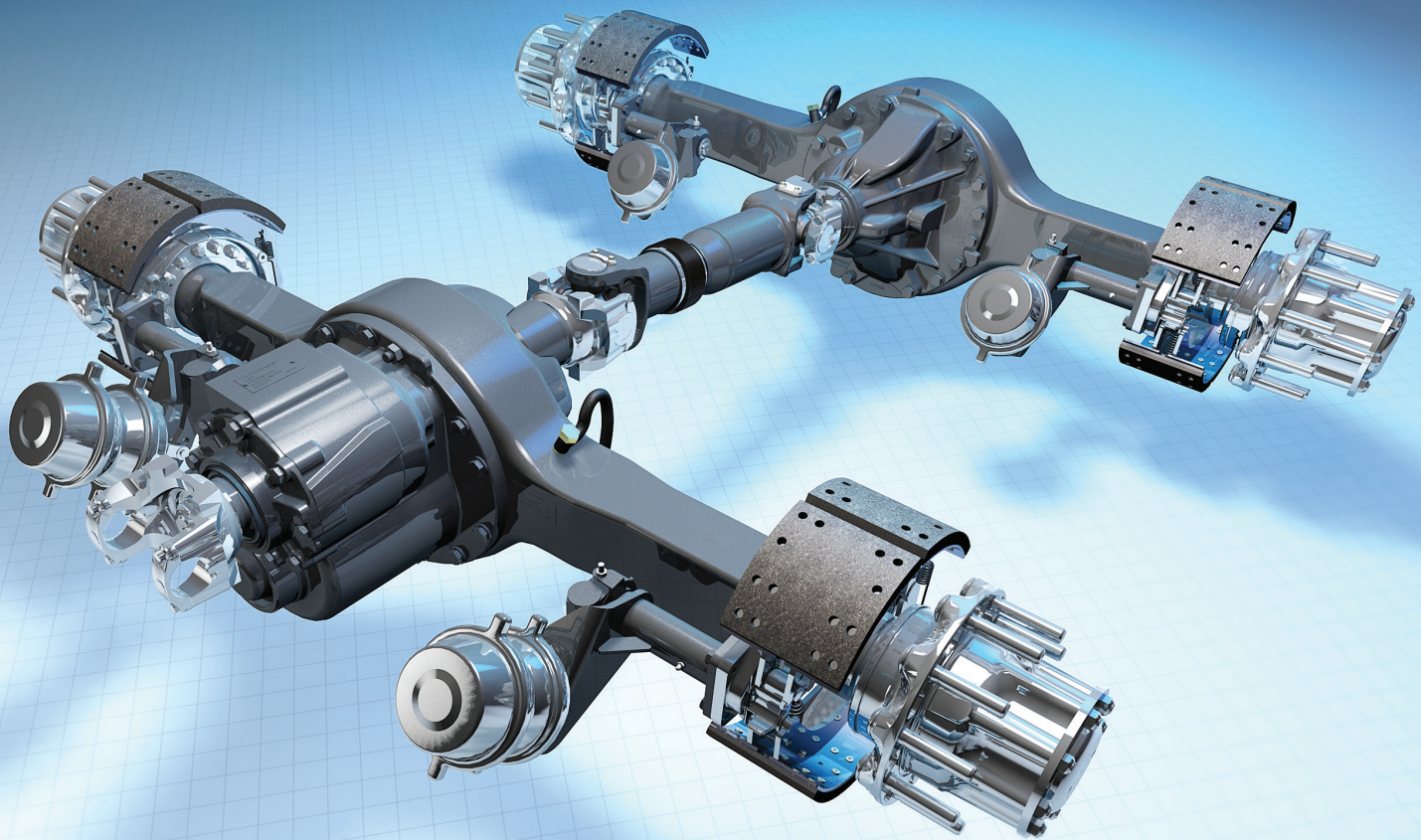
Spicer® AdvanTEK® 40 Tandem Axle

The most efficient and reliable 6x4 in the industry

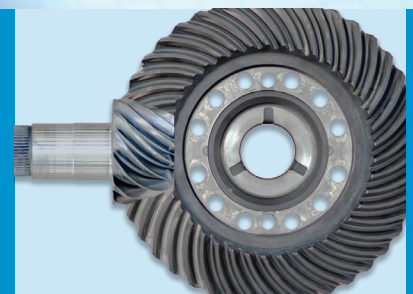


SPICER®

Drivetrain Products



The Spicer® AdvanTEK® 40 tandem axle – the most durable and reliable axle for Class 8 applications, featuring highly efficient, robust AdvanTEK® gearing. This innovative product has significant competitive advantages that allow it to withstand 30 percent higher input torque and enable more than 2 percent improved vehicle efficiency.



Spicer® AdvanTEK® 40 Tandem Axle

Engineered from the ground up to increase your bottom line

The Spicer® AdvanTEK® 40 tandem axle is the first axle for linehaul fleets to feature Dana's innovative AdvanTEK® gearing. This 6x4 was developed with the fastest axle ratios in the industry to handle higher input torques and lower engine RPM at cruise speed. Up to 37 pounds* lighter than the closest competitive standard tandem axles, the Spicer AdvanTEK 40 tandem axle increases fuel economy, reduces vehicle weight, and minimizes total ownership costs. Further refinements in the design deliver extended life of U-joints, reduced vehicle downtime, and lower maintenance costs.

Patented and innovative technologies offered exclusively by Dana:

- Tandem axle with two different hypoid offsets
- Flow-through lubrication system for inter-axle differential
- High-efficiency, on-demand lubrication pump
- Efficient lubrication enhancement with lube metering device
- No maintenance U-tube breather
- Differential lock



Big Fleet Savings Potential

Features	Benefits
Broadest range of downsped ratio offerings	7 ratios to support powertrain tuning for maximum performance and fuel economy
Estimated up to 1.2 percent improved axle efficiency**	Enables up to 200 RPM lower engine speed for 2 percent greater vehicle efficiency
Up to 37 pounds* lighter than standard axle	Lower fuel costs/year and increased payload
Six pints less lube	Lower maintenance costs
Optimum inter-axle driveline angles	Low NVH and extended life of U-joints for most air ride suspensions
Reliability improvements	Reduced vehicle downtime and service costs
SelecTTrac™ 11 mm wall, diff-lock, pump	Customized to improve fleet operation and maximize resale value

*D40-155 model is up to 6 pounds lighter. **Versus DS404 3.55 RAR.

Spicer® AdvanTEK® 40 Tandem Axle Specifications

Axle Model	Ratings		Ratios	Axle Shaft			Nominal Ring Gear Diameter in (mm)	Axle Housing			Wheel-end Series	Weight Difference †† lbs (kg) [Nominal]	Options			
	Max GAW lbs. (kg)	Max GCW† Hwy lbs. (kg)		Body Diameter in (mm)	Number of Splines	Spline Diameter in (mm)		Box Section Width in (mm)	Box Section Height in (mm)	Wall Thickness at Spring Seat in (mm)			LMS® Hub	Differential Lock	SelecTTrac™	Pump
D40-155	40,000 (18,144)	110,000 (49,895)	2.26, 2.39, 2.47, 2.53, 2.64, 2.79, 2.93	1.88 (48)	41	2.10 (53)	15.75 (400)	4.61 (117)	5.24 (133)	R	-6 (-3)	✓	✓	✓	✓	
D40-155H												0.43 (11)	✓	✓	✓	✓
D40-156	145,000 (65,771)	2.79, 2.93, 3.08, 3.23, 3.36, 3.42, 3.55, 3.70, 3.91	0.37 (9.5)									✓	✓	✓	✓	
D40-156H			0.43 (11)									✓	✓	✓	✓	

Rating is subject to Dana engineering application approval. † For 3% maximum grade. †† Versus DS404 3.55 RAR.

✓ Check marks indicate availability.

Dana Commercial Vehicle Driveline Technologies

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Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.