

Dana® Spicer® DS404 Tandem Axle

Dare to Compare 40,000 lb. Tandem Axles:

Dana® Spicer® vs. Meritor®



SPICER®

Drivetrain Products



Dana® Spicer® DS404 vs. Meritor® MT40-14x

Dana® Spicer® DS404 Tandem Axle

Dependable and durable, Spicer 40,000 lb. tandem axles have billions of miles of proven performance and give you what you want -- *More time on the road.*

Provides consistent protection against impact and spin-out events

Industry proven performance & reliability

| Tandem Axle Features | Dana® Spicer® DS404 | Meritor® *MT40-14x | Comments |
|---|--|--|--|
| "Hypoid" Gearing | ✓ Strong 15.4" [391mm] Diameter "Hypoid" Gearing | 15.3" [389mm] Diameter with Mixed Amboid & Hypoid Design Depending on Ratio | DS404 Provides Same Fit-up for Brackets and Inter-axle for ALL Ratios. |
| Preferred Ratio Offering | ✓ 18 Ratios from 2.64-6.50 Including New 3.42 | 18 Ratios from 2.47-7.17 | Most Popular Ratios Available |
| Patented No-Maintenance Axle Housing Breather | ✓ Unrestricted Air-flow Design Eliminates Clogging | New Vertical Mount Hose and and Internal Spring | Dana Patented Breather Proven in Over 4 Million Axles |
| Lightweight Iron Carrier Design (Includes Axle Shafts) | ✓ Light Weight Tandem at 1239 lbs. | Weight Not Published but Estimated at 1259 lbs. | DS404 is Estimated to be 20 Pounds Lighter |
| Thick & Robust Carrier to Housing Joint | ✓ Premium Attachment System for Better Retention Under Load | Standard Bolted Joint | DS404 Design Protects Against Leaks Better Than Thin Flange Bolted Designs |
| Exclusive Micro-Lip™ Seal and Slinger System | ✓ Keeps Lube In and Contamination Out in Forward and Reverse Operation | Uni-directional, Unitised and Loose Sleeve Seal Designs | DS404 uses Bi-directional Seal Design to Improve Performance |
| 16 Bolt Rigid Ring Gear Mounting (16 mm diameter) | ✓ High Clamp Load for Reliable Performance | 12 Bolts (16mm) | DS404 has High Clampload with 25% More Fasteners |
| "Straddle-Mount" 3 Bearing Pinion Support System | ✓ Less Deflection - Increased Pinion Gear and Bearing System Life | 2 Bearings "Overhung" Design | DS404 uses Premium Bearings and 33% More Bearings Per Pinion |
| Wide Helical Gear with 2 Bronze Shaft Bushings | ✓ Increased Strength with Less Wear for Longer Life | Uses Needle Rollers in Helical Gear | DS404 Bushings Have Greater Surface Contact Area Under Load |
| Patented "Wheel-Diff" Lube System | ✓ Protects Against Wheel Spin-Out | Splash Only | DS404 has Forced Lube Flow to the Wheel Differential |
| Patented Power Divider Unit "Flow-Thru" Lube System | ✓ Forced Lube System (Std.) That Protects Against IAD Spin-out | Splash Only with Lube Reservoir | DS404 has Forced Lube Flow to the Inter-axle Differential |
| Dana Spicer Service and Support | ✓ An Experienced and Professional Team Dedicated to Keeping Your Business Moving Forward | No | Dana Spicer Provides Broad Professional Customer Support Before, During and After the Sale |
| Fast Ratio Offering for Low RPM Engine Operation at Higher Speeds | 2.64:1 Ratio | ✓ 2.47:1 Ratio | 2.64 Ratio is Not Fully Proven to Achieve Long-term Drivetrain Reliability & Performance |
| Minimize Joint Working Angles in Problematic Suspensions | Standard Configuration for Most Air-Ride Suspensions | ✓ Amboid Design can Reduce Inter-Axle Driveline Angularity for Certain Ratios Only | Dana Offers Optional DST40 Tandem to Reduce Driveline Angles |

* Based on May 2010 Available Information per SP-0907 10-08 & SP-1084 3-10

Learn more about Dana® Spicer® 40,000 lb. tandem axle solutions at www.dana.com.

Dana® Spicer® DS404 Tandem Axle

The Dana® Spicer® DS404 tandem axle offers the best value available. In addition to the quality construction and rugged durability you've come to expect from Dana, the DS404 offers many additional value-added benefits.

Offers premium Carrier to Housing attachment system for improved robustness under load

Increased strength for less wear and longer life

Premium road-tested features for trusted long haul reliability

| Tandem Axle Features | Dana® Spicer® DS404 | Meritor®*MT40-14x | Comments |
|--|---|---|--|
| Available Options: | | | |
| 500,000 Miles - No Initial Drain | ✓ First with Spicer Lube Approval | With Roadranger Lube | DS404 was Developed with Spicer Approved Lubes |
| High Efficiency Lube Pump | ✓ Patented On-Demand Pump Saves Fuel | Old Pump Design - Always Pumping | DS404 Avoids Additional Heat or Horsepower Loss by Running Continuously |
| Wheel Differential Lock With Large Clutch & Curvic Teeth | ✓ Maximum Traction & Durability in Adverse Driving Conditions | Forward Axle Only | DS404 Diff-Lock Option is Available for Both Axles |
| LMS Hub System | ✓ Eliminates Bearing Adjustment & Extends Wheel-end Life | Not Published | Dana LMS Hubs are Designed to Work with Standard 'R' - Series Spindles |
| Housings | Wide-Track Axles and Various Wall Thicknesses Available | Wide-Track Axles and Various Wall Thicknesses Available | |
| Lightweight Aluminum Carrier | Not Available - Light-Weight Iron Carrier Only | Not Available - Standard Iron Carrier Only | Use Dana S23-170D & S21-060B for 400 Pound Savings in 6x2 Vehicle Configuration. |

* Based on May 2010 Available Information per SP-0907 10-08 & SP-1084 3-10

The DS404 is backed by an experienced industry team.
Dana® Spicer® Service & Support



Dana Service and Support

For superior drivetrain solutions and technical support, you can depend on Dana. Through a unique combination of under-the-vehicle knowledge and advanced electronic tools, our experts can respond to customer sales and service requests quickly and help you make the most efficient use of your vehicles.

Find out about warranty coverage, parts and vehicle specifications, repair strategies, and more from an experienced team dedicated to keeping your business moving forward. For more information and assistance, contact the Dana Call Center at 1-877-777-5360.

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