

# Dana® Spicer® Single Reduction Tandem Axles

DSH40-(P)

44,000 lbs. [19,958 kg]



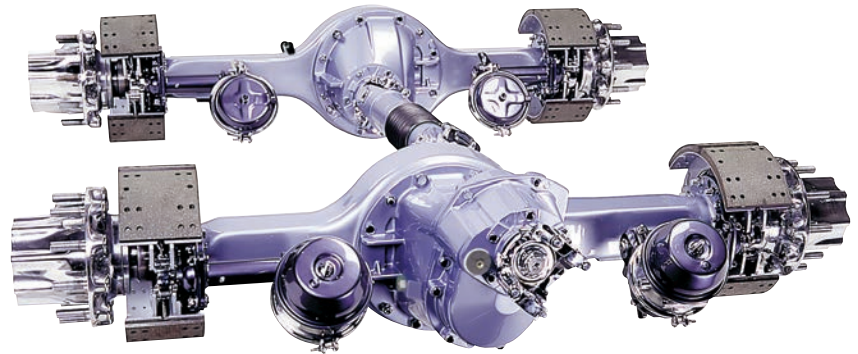
**SPICER®**

Drivetrain Products

## More Power, More Life. Introducing the Spicer® High Performance-40® Tandem Drive Axle.

HPD™ “High Power Density” design provides optimum axle performance with high torque, high horsepower engines in increased payload applications.

- Eliminates the requirement for strict drivetrain and engine control settings.
- Approved specifically for applications with engines up to 650 HP and 2050 lbs.ft.
- More than 400 lbs. lighter than typical 18” ring gear tandems for high torque applications.
- HPD™ design features:
  - Large 15.75” hypoid gearing for minimized weight, longer life, and greater capacity at higher loads.
  - Premium process, high strength alloy steel replaces standard components throughout torque carrying systems.
  - Higher capacity bearings for longer life at higher loads.
  - Thick wall, square-edge, high strength, axle housing design for today’s air-ride suspensions. Standard with induction hardened spindles.
- Patented Flow-Thru™ lube system to maximize lubrication for high performance applications.



### **HIGH PERFORMANCE-40**

- Low Cost per Mile Features:
  - 500,000 mile lube drain interval with approved synthetic lube and oil bath seal or LMS™ Hub System for linehaul applications.
  - Patented, no-maintenance axle venting system.
  - Exclusive Micro-Lip XL™ seal and slinger system keeps lube in and contamination out.
- Premium Spicer LMS™ Hub System virtually eliminates wheel seal failures and bearing adjustment.
- Popular range of axle ratios from 3.08 to 4.88 to cover a variety of high performance applications.
- Backed by comprehensive Dana® service support – the best in the business.

# Dana® Spicer® High Performance-40® Tandem Axle Specifications

## GAW Ratings:

### MODELS

DSH40-(P) 40,000 lbs.

## Available Ratios:

### MODELS RATIOS

DSH40-(P) 3.08, 3.25, 3.36, 3.55, 3.70, 3.90, 4.11, 4.33, 4.63, 4.88

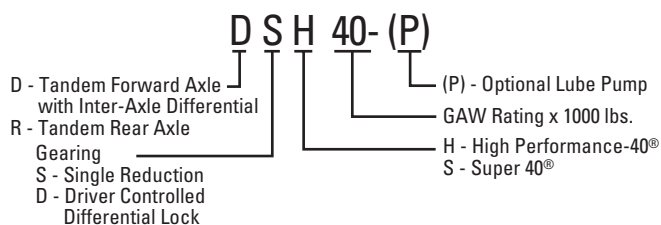
## Spicer® 40,000 lb. On-Highway Tandems:

AXLE MODEL	TYPICAL APPLICATION	MAX. ENGINE HORSEPOWER	MAX. ENGINE TORQUE (LBS.FT.)	MAX. GCW* LBS.
404 Tandem Axles Model: DS404-(P)	Standard Fleet Vehicle	475 550	1650 1850	110,000 80,000
<b>High Performance-40®</b> Model: <b>DSH40-(P)</b>	<b>Owner/Operator &amp; premium high horsepower &amp; torque vehicles</b>	<b>650</b>	<b>2050</b>	<b>110,000</b>
Super 40® Tandem Model: DSS40-(P)	Highest GCW & torque vehicle configurations	650	2050	140,000

Note: These ratings are general guidelines. Please refer to Spicer Application Guidelines, Item AXAG0200, for detailed application information. Actual load rating varies with application duty cycle. Applications require Spicer Heavy Axle & Brake Division Engineering approval.

\* Ratings indicated for line haul service applications.

## Model Nomenclature:



Dana Commercial Vehicle Products Group

3939 Technology Drive  
Maumee, Ohio, USA 43537

[www.dana.com](http://www.dana.com)



**SPICER®**

Drivetrain Products