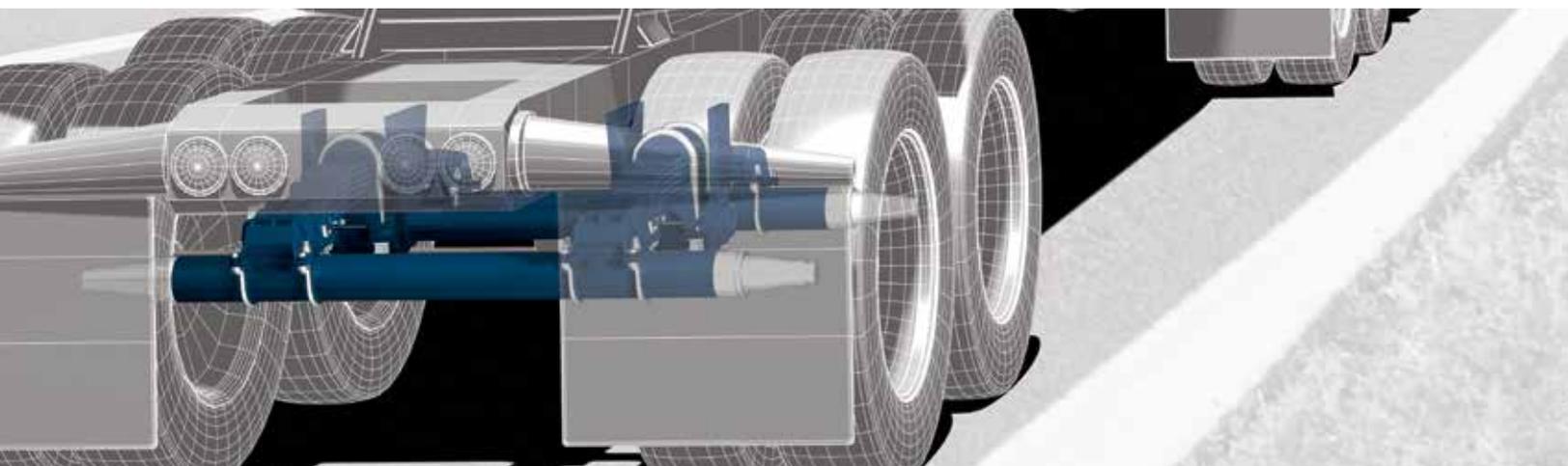
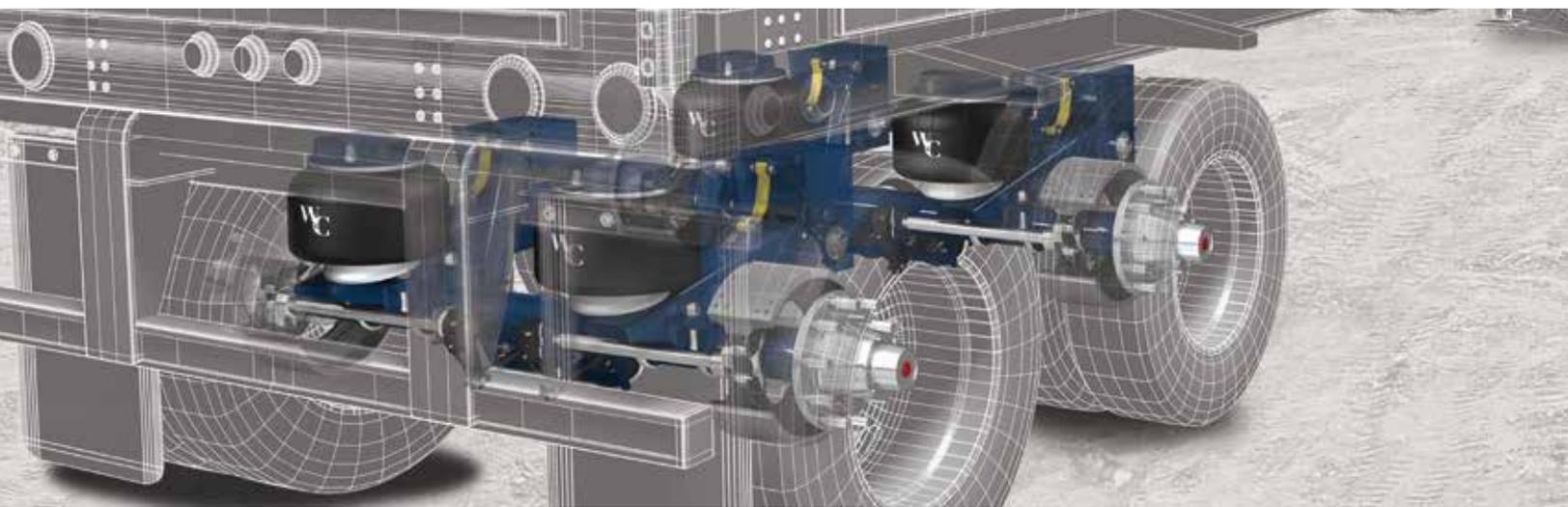
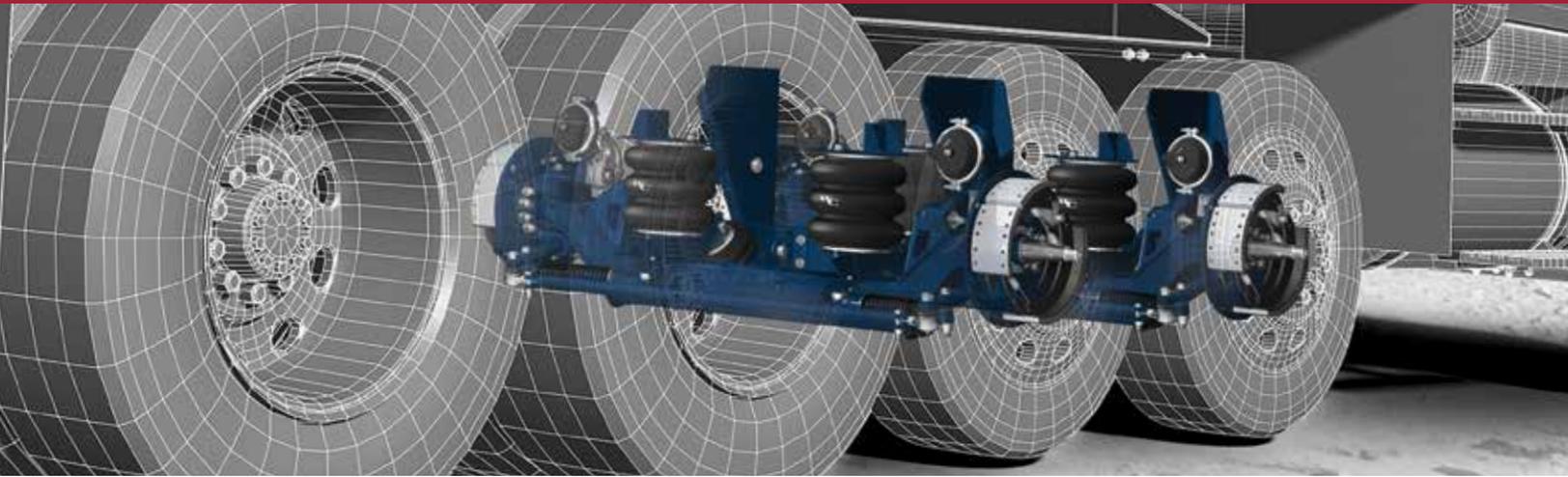




**W&C — manufacturers of truck and trailer, steerable and non-steerable, auxiliary lift axles, trailer air ride and mechanical suspensions and loose trailer axles.**

**FULL LINE PRODUCT BROCHURE**



**ENGINEERED RIDE SOLUTIONS**

# **ENGINEERED** **RIDE SOLUTIONS**

W&C is a pioneering, global supplier of truck and trailer lift axle systems; trailer suspension systems, specialty suspension systems loose axles and components to the medium- and heavy-duty transportation industry. With a market focus and customer-driven approach, W&C is committed to delivering custom-engineered ride solutions that are durable and reliable for demanding heavy-haul applications in the industry.

W&C is committed to the industry and invests in comprehensive research and development to help trucks and trailers benefit from improved uptime. Our operational excellence is guided by leadership principles in product development, quality workmanship and dedicated customer service. With this philosophy, we will create and sustain added value to exceed the demands of our customers.



**SL SERIES**



**TA SERIES**



**SP SERIES**



**LOOSE AXLES**

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**LIFT AXLE SUSPENSION SYSTEMS** 2

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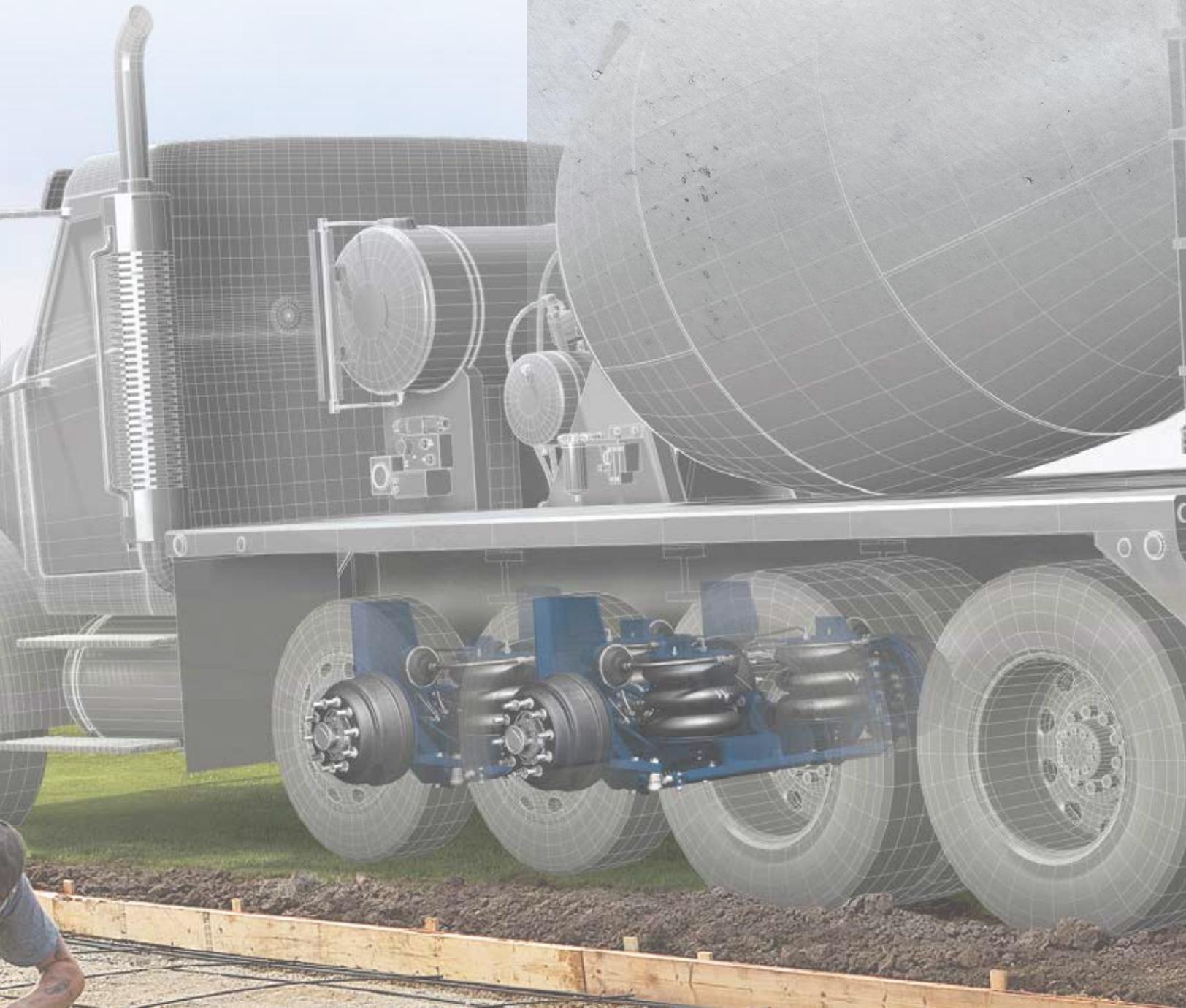
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**LOOSE AXLES & LIFT KITS** 8

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## SL — STEERABLE LIFT AXLES

- Capacities up to 25,000 lbs.
- Parallelogram design for a consistent axle caster
- Versatile, adjustable ride height and frame width features
- Packaging space as low as 22.1 in.
- Pre-plumbed configurations available
- Configurations available for most applications\*
- Custom engineering available for specific customer requirements
- Backed by a 5-year limited warranty\*\*

\* Contact your local W&C representative for a list of approved lift axle applications.

\*\* Contact your local W&C representative for complete warranty terms, conditions and limitations.



### SL08

*Lightweight compact design, steerable lift axle suspension system*

- Capacity of 8,000 lbs.
- Ride heights up to 19 in.
- Six stud hub for 17.5 in. wheels

Literature reference - W&C126

### SL10

*Lightweight compact design, steerable lift axle suspension system*

- Capacity of 10,000 lbs.
- Ride heights up to 19 in.
- Eight stud hub for 19.5 in. wheels

Literature reference - W&C100

### SL13

*Our most popular capacity steerable lift axle suspension system*

- Capacity 13,500 lbs.
- Ride heights up to 17 in.
- Ten stud hub for 19.5, 22.5 and 24.5 in. wheels
- Air disc brakes available

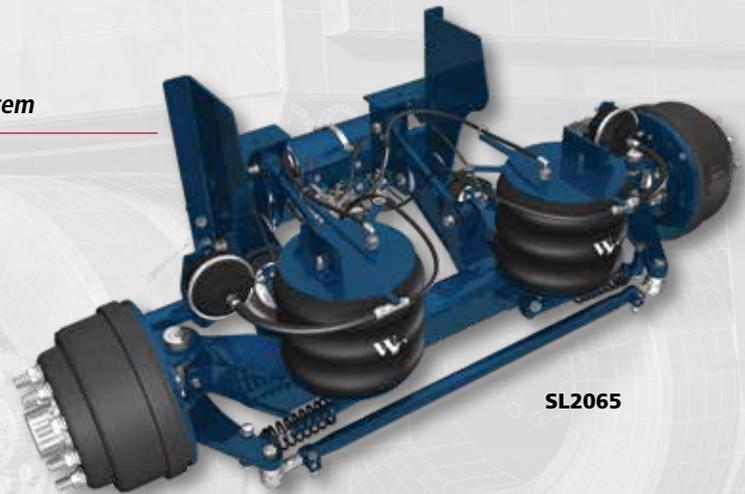
Literature reference - W&C106

## SL20

*Robust and innovative steerable lift axle suspension system*

- Capacity of 20,000 lbs.
- Ride heights up to 13 in.
- Compatible with 445/65R22.5 tires
- Hub face of 89 in. for better body clearance

*Literature reference - W&C180*



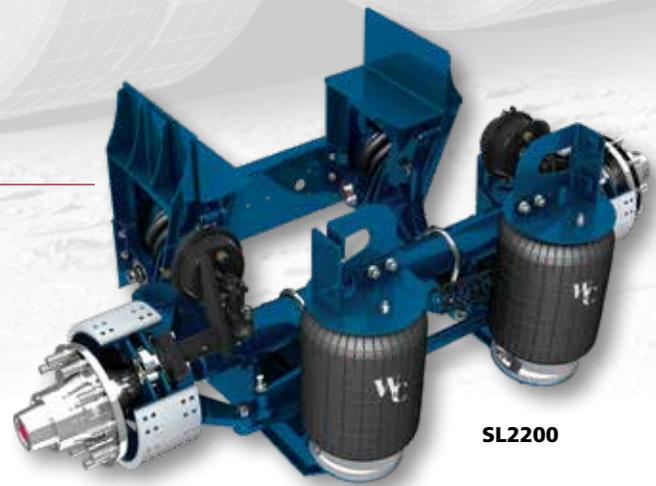
SL2065

## SL25

*Steerable lift axle suspension system designed for use with dual or super single tires*

- Capacities up to 25,000 lbs.
- Ride heights up to 14 in.
- Compliant with Ontario, Canada "SPIF" regulations

*Literature reference - W&C105*



SL2200

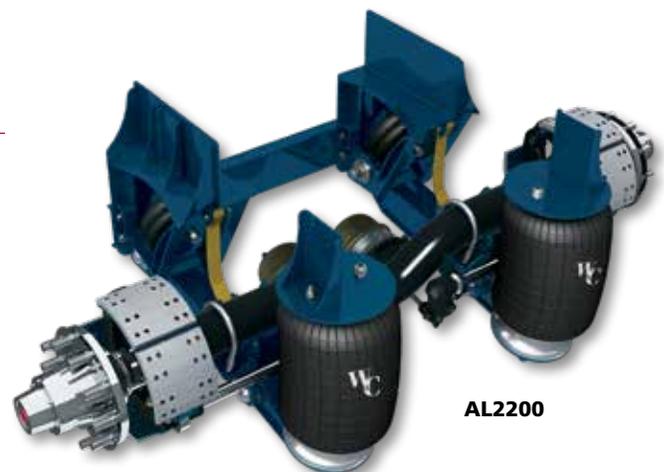
## AL — NON-STEERABLE LIFT AXLE

### AL25K

*Lift axle suspension system with outstanding performance and proven durability*

- Capacities up to 25,000 lbs.
- Ride heights up to 15 in.
- Two-pin axle connection with rubber bushings
- Positive axle stop straps
- Straight or drop axles

*Literature reference - W&C101*



AL2200

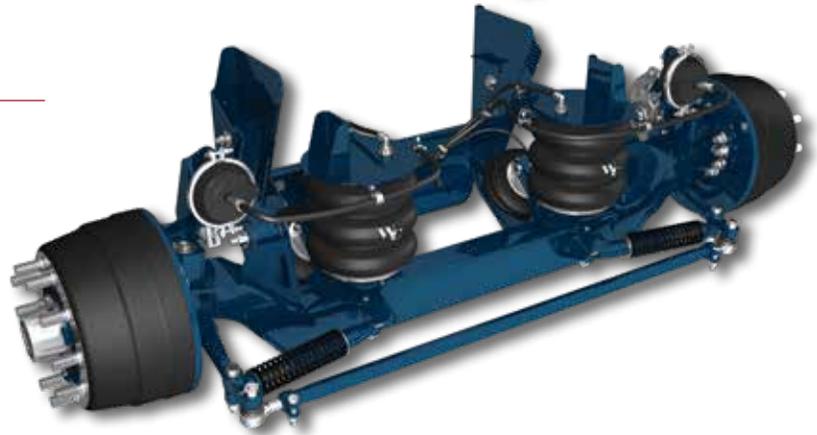
## Air Disc Brake

- Better stopping power
- Improved vehicle safety
- Higher and more consistent brake torque output
- Fewer service intervals over the life of the product
- Decreased service time (quicker pad changes)



## Pre-Plumbing System

- Fewer fittings reduce leak potential
- Better response when air is engaged
- Saves on installation time and money
- 100 percent leak tested at the factory

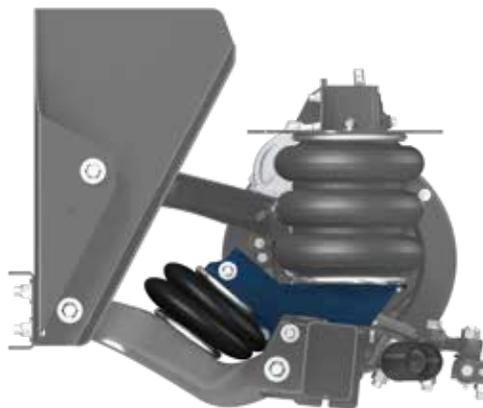


### SL / AL SERIES QUICK REFERENCE (STANDARD MODELS)

MODEL	CAPACITY (LBS)	WEIGHT (LBS)	RIDE HEIGHT (IN)	LIFT (IN)	PACKAGE SPACE (IN)	NOMINAL DRUM FACE (IN)	BRAKE SIZE	STUDS	WHEEL SIZE (IN)
SL08	8,000	672	13 - 19	8	22.1	86	325 × 100mm	6	17.5
SL10	10,000	719	13 - 19	8	22.1	89	325 × 100mm	8	19.5
SL13	13,500	819	8 - 17	9	22.1	92	15 × 4, 16.5 × 5, Disc	10	22.5
SL20	20,000	1,297	8 - 13	8.8	26.5	89	16.5 × 6 in.	10	22.5
SL25	Up to 25,000	1,500	7 - 14	5	25	71.5 Track	16.5 × 7 in.	10	22.5
AL25K	Up to 25,000	1,222	8 - 15	7	25	71.5 Track	16.5 × 7 in.	10	22.5

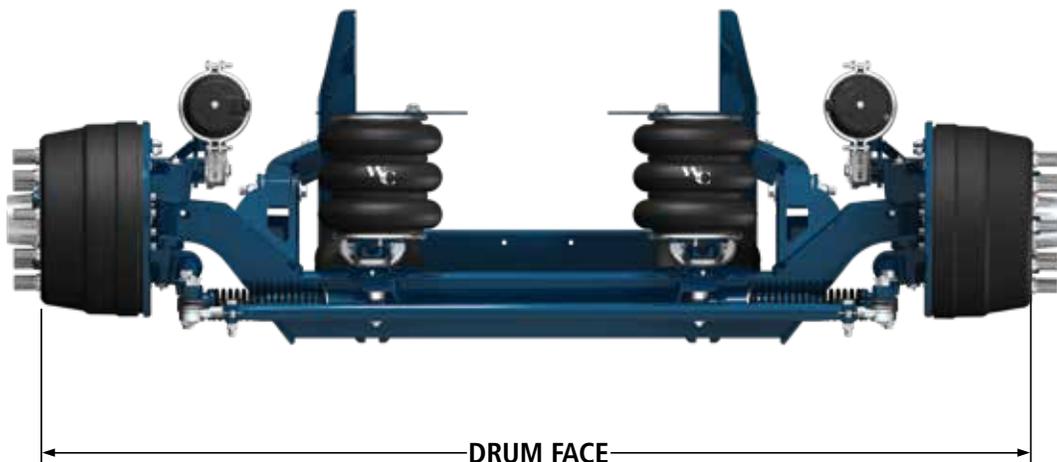
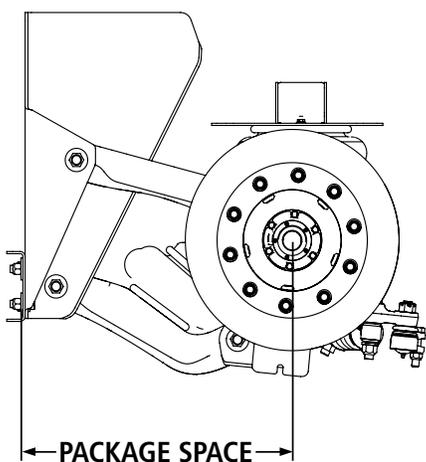
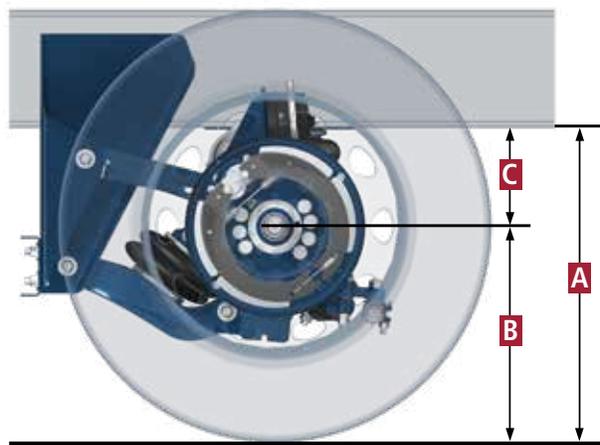
## Ride Height Adjustability

- Available on SL8K, SL10K, SL13K and SL20K (SL2065)
- Accomplished through interchangeable lower air spring plate
- Can also be used to limit lift if run height and driveline clearance fall within allowable criteria



## Ride Height Measurement Concept

- A.** Loaded Ground To Frame (GTF) Measurement
- B.** Static Loaded Radius (SLR) of tire
- C.** Ride Height ( $A - B = C$ )

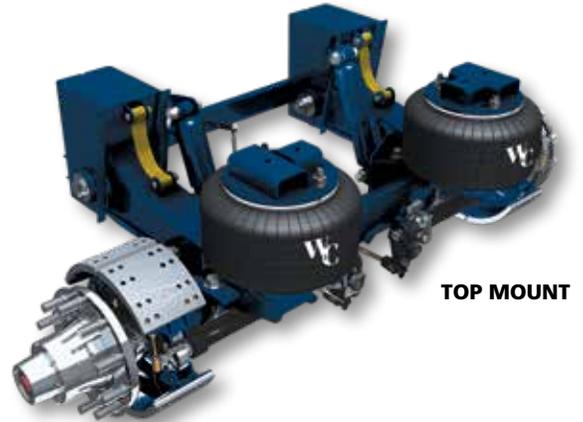


## TA — TRAILER AIR SUSPENSIONS

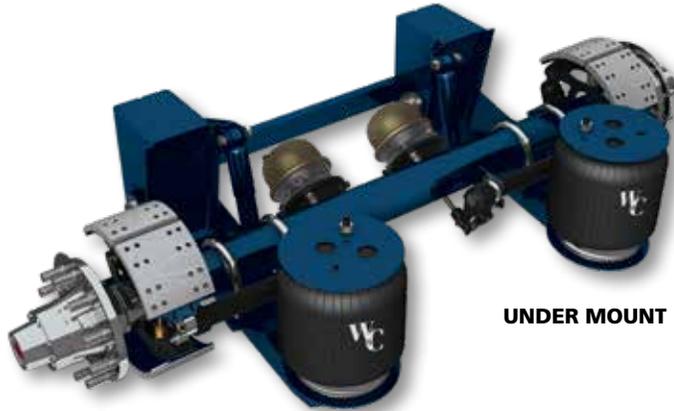
- Proven technology for a wide range of applications
- Capacities of 23,000 - 30,000 lbs.
- Ride heights up to 24 in.
- Available as suspension kit or as an assembly with axles
- Special axle tracks available
- Three types of alignment systems
  - Weld Collars
  - Dual Eccentrics
  - ALIGN-TRAC™ – Quick, easy alignment system
- 5-year limited warranty\*

Literature reference - W&C107 and W&C109

\* Contact your local W&C representative for complete warranty terms, conditions and limitations.



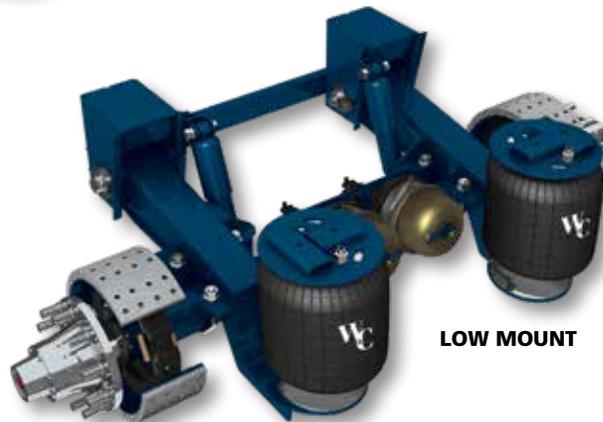
TOP MOUNT



UNDER MOUNT



TOP MOUNT KIT



LOW MOUNT

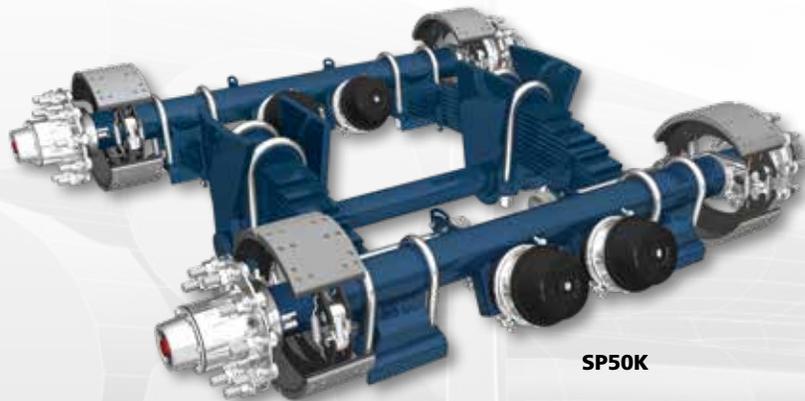
## SP — SINGLE POINT SUSPENSIONS

7

- Durable spring trailer suspension for on- and off-highway trailer applications
- Capacity: 50,000 thru 80,000 lbs.
- Severe-duty straddle or trunnion mounts available
  - Mounting heights from 2.5 in. to 30 in.
- Available as suspension kit or as an assembly with axles
- 5-year limited warranty\*
- Applications: End Dump, Side Dump, Belly Dump, Logger, Container Chassis and more

Literature reference - W&C104 and W&C181

\* Contact your local W&C representative for complete warranty terms, conditions and limitations.



SP50K

Optional rubber bushing now available

## LOOSE AXLES

Offering a full line of axles which helps to finalize the full line of trailer suspensions such as the TA, Single Point and Multi-Spring families.

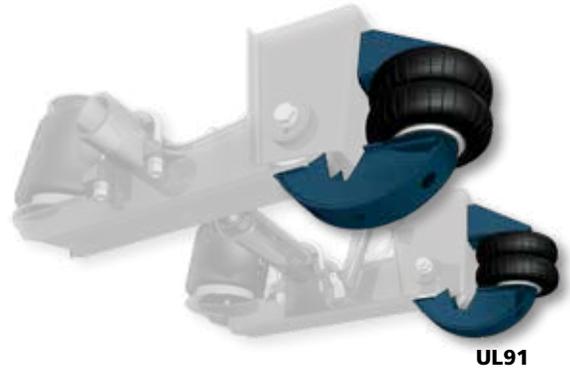
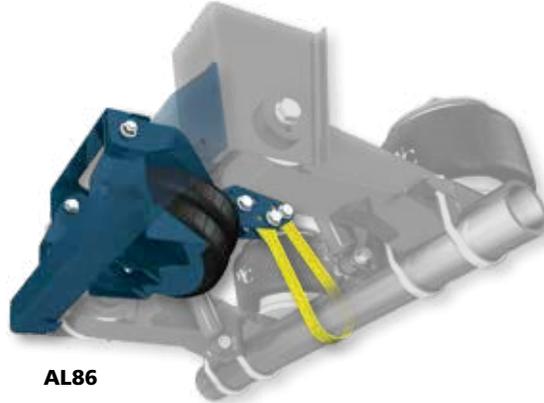
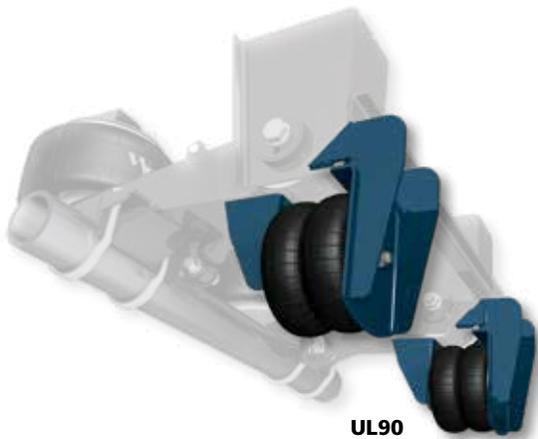
- Axle capacity up to 30,000 lbs.
- Straight, 6- or 9-in. drop
- Axle tracks: 71.5- and 77.5-in. standard
- Axle wall: 1/2-, 5/8- and 3/4-in.
- N or P spindles
- Air disc brakes available
- Special axle tracks available
- Tire inflation system available

Literature reference - W&C157



## TRAILER LIFT KITS

- Different designs depending on specific applications
- Configurations for limited ground clearance or frame space
- Air control kits available for correct operation





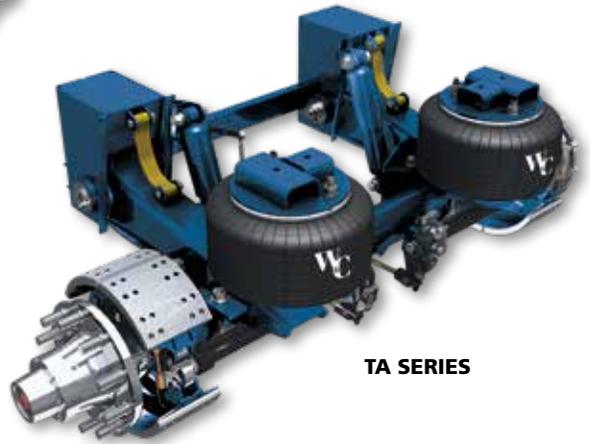
# RESEARCH & DEVELOPMENT

## Capabilities

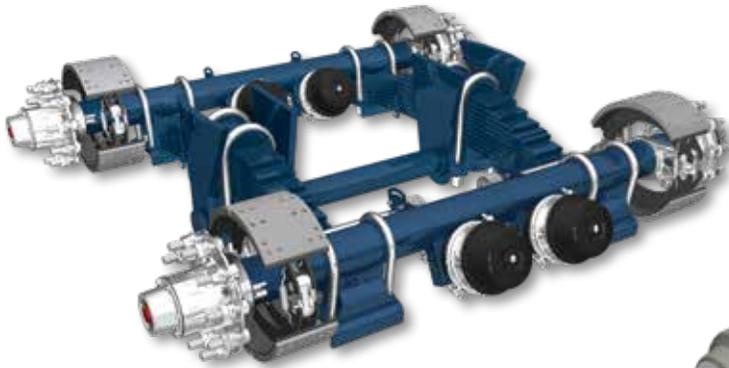
W&C's business spans more than 30 years. During this time, our product offerings and capabilities have expanded with manufacturing excellence initiatives and a state-of-the-art R&D facility fostering new product development. We are dedicated to providing engineered ride solutions, ensuring low life-cycle cost and maximum uptime for our customers.



**SL SERIES**



**TA SERIES**



**SP SERIES**



**LOOSE AXLES**

**ENGINEERED RIDE SOLUTIONS**



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