

## PRODUCT OPTION

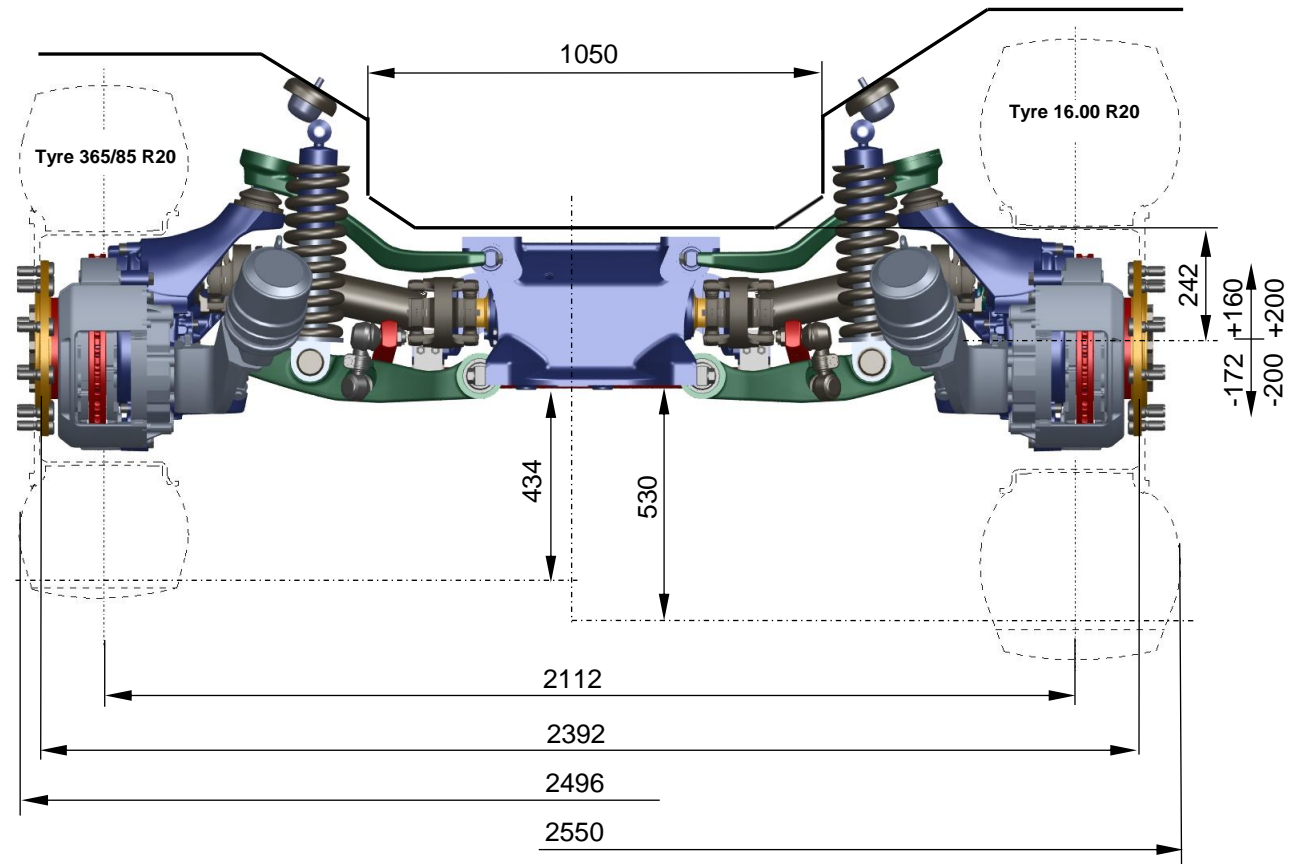
# INDEPENDENT SUSPENSION AXLE SYSTEM AX80

## TECHNICAL DATA

Static Axle Load – Front	up to 10 000 kg
– Rear	up to 11 500 kg
Axle Differential Ratio	1,75 ÷ 2,36
Wheel Gear Ratio	2,57
Overall Ratio	4,5 ÷ 6,06
Maximum Input Torque	12 000 Nm
Maximum Input Speed	3 000 RPM
Suspension	Coil Spring
Damping	Hydraulic Damper
Total wheel travel	330 ÷ 400mm
Maximum Wheel Angle Inside / Outside	35° / 29,5°
Differential Oil Capacity	9,0 l
Oil Capacity	1,4 l
Oil Specification	SAE 75W-90, Multi-Purpose Gear Oil, API-GL-5 or MIL-L-2105C or CD
Max. Working Differential Temperature	120°C
Max. Working Temperature of Wheel Gear	100°C
Brake	Pneumatic Brakes Wabco, Ventilated Disc Ø410
Tyre	from 365/85 R20 to 16.00 R20
Wheel Mount	20" 10-Bolt - Hub Piloted, 335mm (13,19")
Weight	Front Axle 900kg, Rear Axle 870kg, Drive Through Axle 960kg

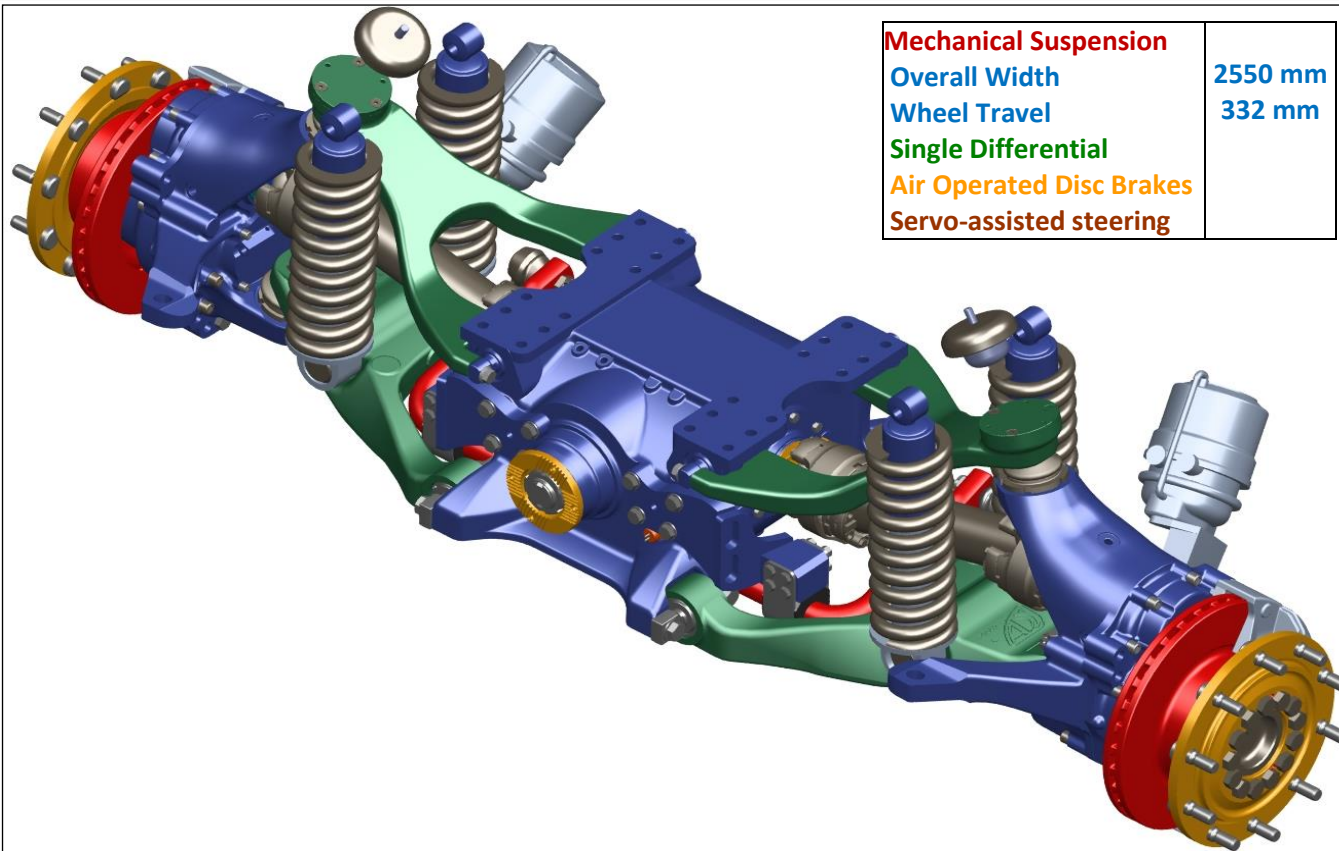
### Option:

Suspension	Hydropneumatic with Height Management System option
Width	Up to 3000mm / Total wheel travel 400mm
Differential	Drive through differential with IAD 1:1
Brake	Hydraulic Brakes Knott 2x calipers 4x70/wheel
AWS	Remote electro-hydraulic steering

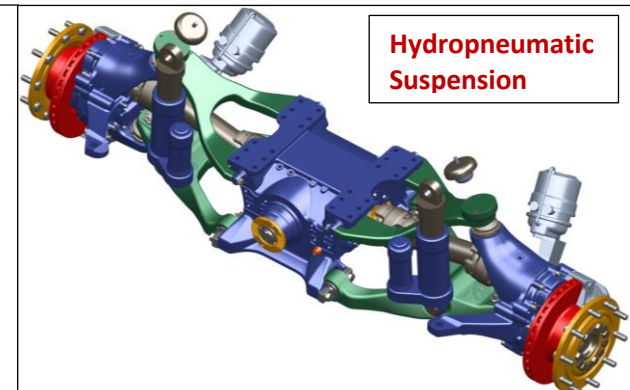


**PRODUCT OPTION**

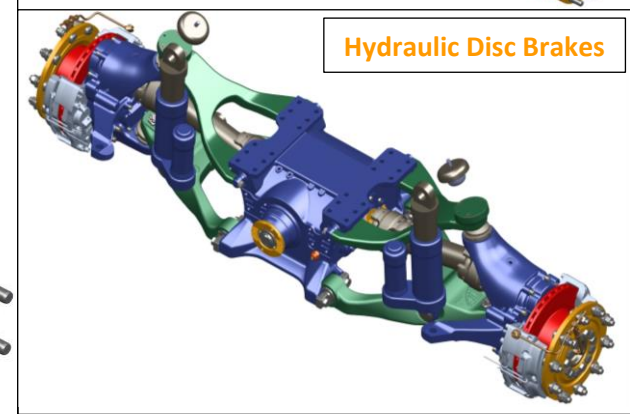
**INDEPENDENT SUSPENSION AXLE SYSTEM AX80**



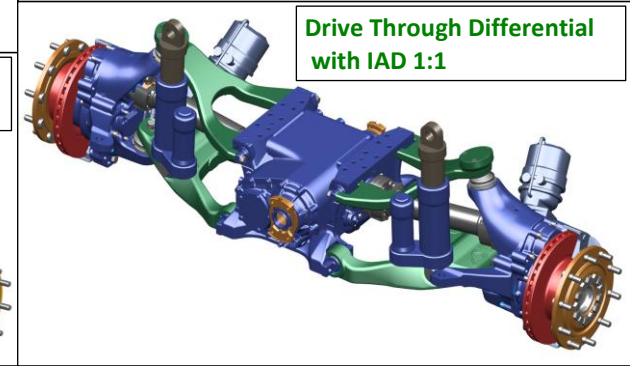
<b>Mechanical Suspension</b>	
Overall Width	2550 mm
Wheel Travel	332 mm
Single Differential	
Air Operated Disc Brakes	
Servo-assisted steering	



**Hydropneumatic Suspension**

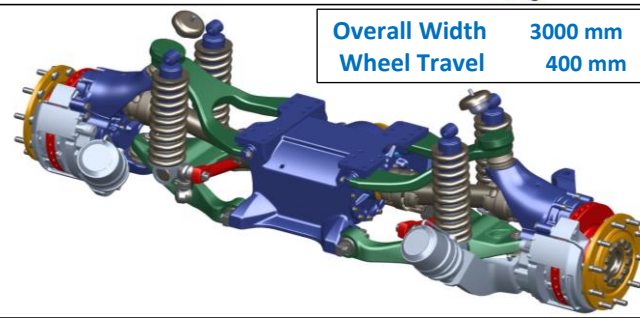
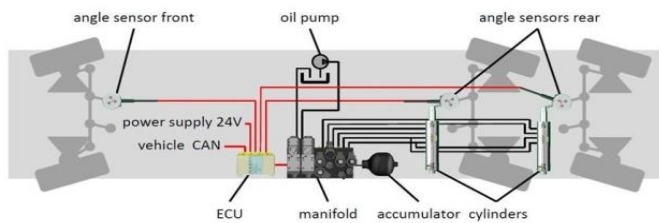


**Hydraulic Disc Brakes**



**Drive Through Differential with IAD 1:1**

**Remote Electro-hydraulic Steering, AWS**



Overall Width	3000 mm
Wheel Travel	400 mm