
Axles with independent and electronically controlled suspension

- › A wide range of axles from 70 to 200 HP
- › A new integrated and revolutionary system of independent suspension with position control (patented by Carraro)
- › This system marks a radical development in the fourwheel drive market by ensuring the absorption of shocks induced to the vehicle by harsh ground conditions
- › The wheels, independently supported by a double wishbone, maintain the vehicle's set up even on rough terrain, while the hydro-pneumatic suspension provides a damping effect with wide load variation
- › This range of axles is completely interchangeable with the traditional type and does not require any modification to the chassis or transmission shaft

Features

- › Suspension range +/- 45 mm
- › Max pressure of control system 180 bar
- › Improved grip (+70% vs. rigid axle at sprung mass frequency)
- › Improved damping capacity
- › Self-trimming function
- › Suspension lock up

Advantages

- › Better handling
- › Precision steering
- › Higher cross-country speeds
- › Greater productivity
- › Greater comfort
- › Greater safety

Options

- › Oil immerseed disc brakes
- › Multi disc differential lock
- › Integrated steering sensor
- › ECU integrated in the valve unit

	20.16SI	20.19SI	20.25SI	20.32SI	20.45SI
Input Engine Power (ECE R24)	74 kW 100,6 HP	81 kW 110,2 HP	103 kW 140,1 HP	132 kW 179,5 HP	151 kW 205,4 HP
Peak Torque @ Wheels	22,4 kNm	26,6 kNm	35 kNm	44,8 kNm	63 kNm
Total Ratio	10:1 - 21:1	10:1 - 21:1	10:1 - 21:1	12:1 - 21:1	12:1 - 21:1
Dynamic Load Capacity *	36 kN	44 kN	65 kN	75 kN	80 kN
Static Load Capacity **	90 kN	110 kN	170 kN	190 kN	200 kN
Flange to Flange Distance	1640 mm	1800 mm	1800 mm	1900 mm	1900 mm
Brakes	Optional	Optional	Optional	Optional	Optional
Differential	Limited slip system Wet clutch diff. lock (optional)	Limited slip system Wet clutch diff. lock (optional)	Limited slip system Wet clutch diff. lock (optional)	Limited slip system Wet clutch diff. lock (optional)	Limited slip system Wet clutch diff. lock (optional)
Steering Sensor	Optional	Optional	Optional	Optional	Optional

* Front loader operation

** Ballasted vehicle & without implements

