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# Axles with electronically controlled suspension

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- › The new electronically controlled suspension system (Carraro patent) further enhances the already sophisticated range of Carraro axles. This system marks a further evolution in the concept of suspension-incorporated axles, ensuring perfect interchangeability with a traditional axle without the need for special preparation of the vehicle.
- › A quadrilateral which changes shape according to the roughness of the terrain, with the help of a hydropneumatic shock dampening system, ensures constant contact between the tyres and the ground in any operating conditions.

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## Features

- › Range from 70 to 260 HP
- › Suspension range +/- 45 mm
- › Max pressure of control system 180 bar
- › Electronic control integrated in valve unit
- › Improved grip (+70% vs. rigid axle at sprung mass frequency)
- › Outstanding shock absorbing ability
- › Self-trimming function
- › Suspension lock up

- › Outstanding manoevrability
- › Assured steering
- › High speed over harsh terrain
- › Greater productivity
- › Outstanding comfort
- › Greater safety

AXLE MODEL	20.19S	20.25S	20.32S	20.45S	20.50S	20.80S
<b>Input Engine Power (ECE R24)</b>	81 kW	103 kW	132 kW	151 kW	152 kW	235 kW
<b>Peak Torque @ Wheels</b>	29.4 kN	35 kN	63 kN	84 kN	93.8 kN	161 kN
<b>Total Ratio</b>	10:1 - 21:1	10:1 - 21:1	12:1 - 21:1	12:1 - 21:1	12:1 - 21:1	14:1 - 22:1
<b>Static Load Capacity *</b>	44 kN	65 kN	75 kN	85 kN	85 kN	110 kN
<b>Dynamic Load Capacity **</b>	110 kN	170 kN	190 kN	210 kN	210 kN	275 kN
<b>Overall Dimension</b>	2045 mm	2045 mm	2145 mm	2206 mm	2250 mm	2330 mm
<b>Flange to Flange Distance</b>	1800 mm	1800 mm	1900 mm	1900 mm	1900 mm	1890 mm
<b>Center to Center Distance</b>	1550 mm	1550 mm	1600 mm	1600 mm	1550 mm	1550 mm
<b>Wheel stud P.C.D.</b>	275 mm	275 mm	335 mm	335 mm	335 mm	425 mm
<b>Brakes</b>	Optional	Optional	Optional	Optional	Optional	Optional
<b>Differential</b>	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)	Limited slip system Wet clutch diff. lock (optional)
<b>Steering Sensor</b>	Optional	Optional	Optional	Optional	Optional	Optional

\* Ballasted vehicle & without implements

\*\* Front loader operation

