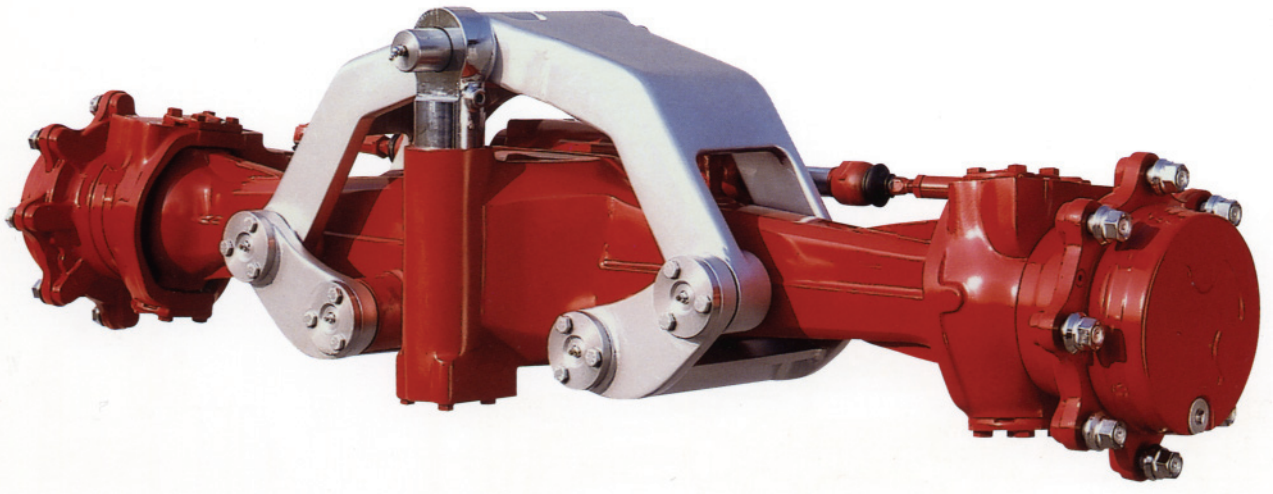


Axles with electronically controlled suspension

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.



-
- 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

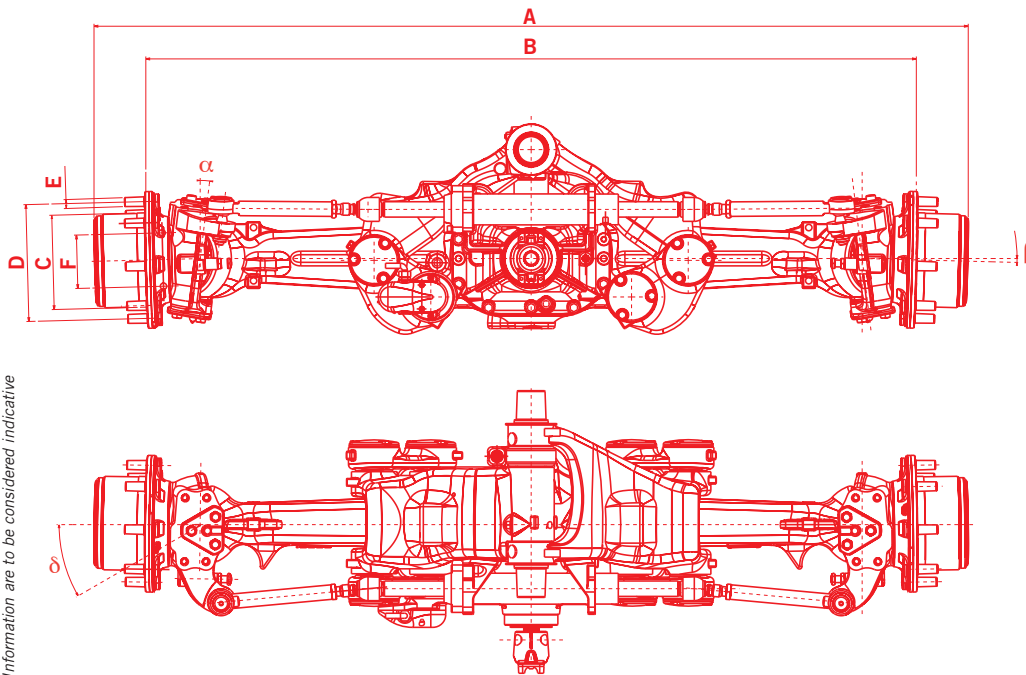
Assured steering

High speed over harsh terrain

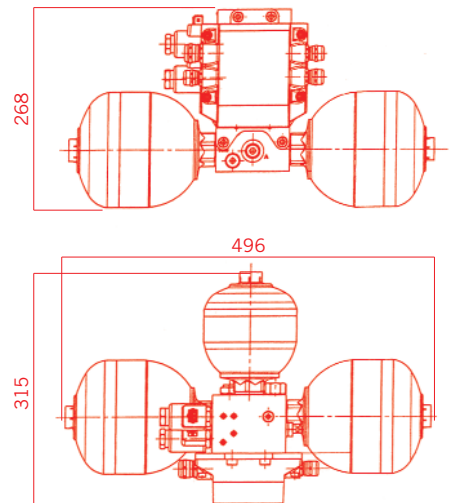
- **Greater productivity**
 - **Outstanding comfort**
 - **Greater safety**
-

Axles with electronically controlled suspension

Model	A Overall width (mm)	B Flange to flange (mm)	δ Max. steering angle	C Hub spigot diameter (mm)	D Wheel studs P.C.D. (mm)	E Wheel studs size	F Susp. wheel travel (mm)	α King - pin angle	β Camber angle	ϕ Caster angle	Peak torque (Nm)	Dynamic load capacity (N)	Static load capacity (N)
20.14S	1800	1640	55°	220.8	275	n. 8 studs M18 x 1.5	±45	7°	1°30'	6°	20500	36000	90000
20.16S	1800	1640	55°	220.8	275	n. 8 studs M18 x 1.5	±45	7°	1°30'	6°	22500	36000	90000
20.19S	2045	1900	55°	220.8	275	n. 8 studs M20 x 1.5	±45	7°	1°30'	6°	29000	44000	110000
20.22S	2045	1900	55°	220.8	275	n. 8 studs M20 x 1.5	±45	7°	1°30'	6°	33000	50000	125000
20.25S	2090	1890	55°	280.8	335	n. 5 studs M22 x 1.5	±45	7°	1°30'	6°	35000	65000	170000
20.29S	2150	1900	55°	280.8	335	n. 10 studs M22 x 1.5	±45	7°	1°30'	6°	45000	75000	190000
20.43S	2206	1900	55°	280.8	335	n. 10 studs M22 x 1.5	±45	7°	1°30'	6°	60000	85000	210000
20.48S	2245	1890	55°	280.8	335	n. 10 studs M22 x 1.5	±45	7°	1°30'	6°	67000	85000	210000

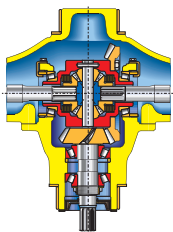


Control unit:
main dimensions

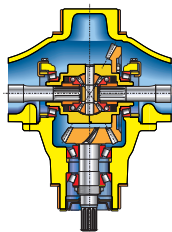


Information are to be considered indicative

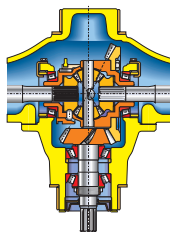
Limited slip differential lock



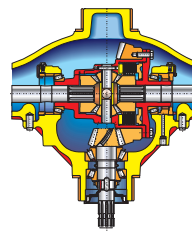
"Ball-type" lim-slip differential lock (Carraro patent)



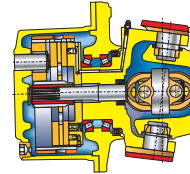
100% mechanical (hydraulic actuation) differential lock



Differential lock with multidisc wet clutch



Wet brakes



Waterproof seals

