

Soil Compactor solutions

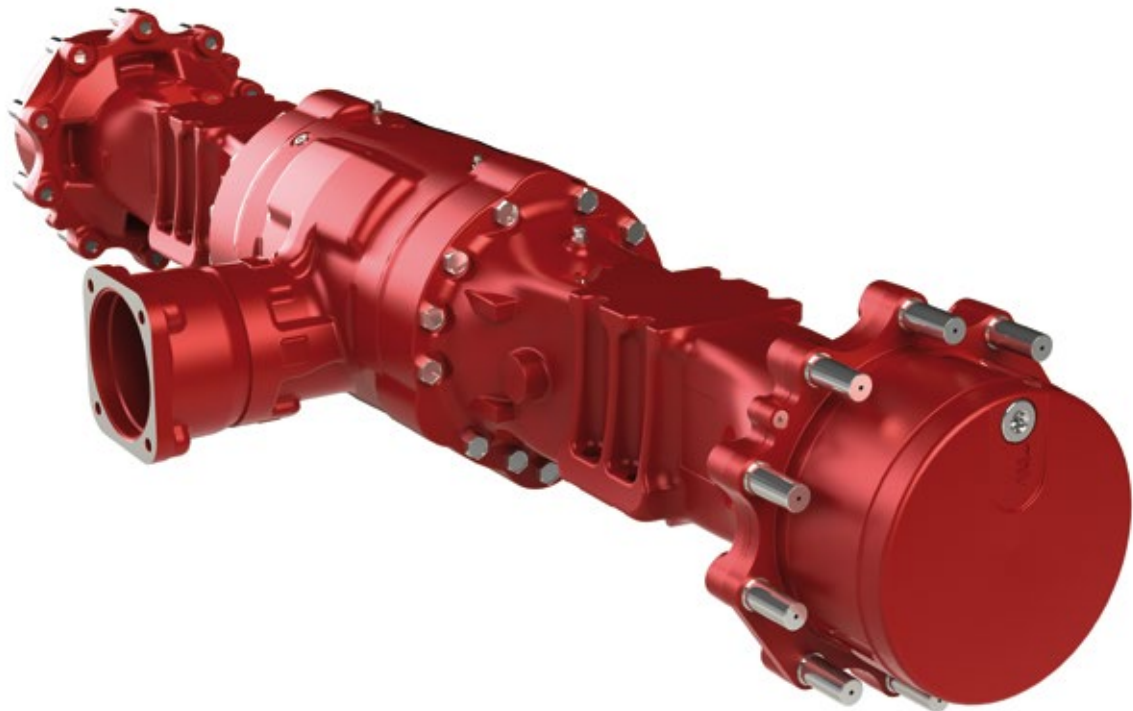
Carraro has created a complete range of rear-drive axles for Soil Compactor Machines, whether they be very compact or quite large.

All these axles are made with a modular structure which leverages common components to other applications, although some features have been specifically designed for this application, such as: direct mounting for the hydrostatic motor; a high reduction ratio, obtained through either a hypoid gear set or an input reduction box; Spring Applied Hydraulic Release Wet disc brakes; NO SPIN or Limited Slip differential.

Every axle model has been designed to offer a high load capacity and a robust gear design to ensure an extended service life with improved durability, even under the specific, demanding working conditions of this application.

Vehicle weight tons	Rear axle model	Gearbox option
From 1.5 to 4	28.16 R Hypoid	TB172 Hydrostatic single speed
From 5 to 8	28.25 R Hypoid	TB172 Hydrostatic single speed
From 9 to 11	28.32 R Hypoid	TB172 Hydrostatic single speed
From 12 to 15	28.48 R Hypoid	TB172 Hydrostatic single speed
From 16 to 19	28.60 R Hypoid	TB172 Hydrostatic single speed
From 20 to 25	28.80 R Hypoid	TB172 Hydrostatic single speed

All specifications can be subject to changes without prior advice by Carraro



AXLES – SOIL COMPACTORS

MODEL		28.16 R	28.25 R	28.32 R
Overall width	mm	1,260	1,512	1,860
Flange to flange distance	mm	1,100	1,270	1,654
Wheel mounting dimension		n° 6 M18x1.5 on ø 205 mm n° 8 M18x1.5 on ø 275 mm	n° 8 M18x1.5 on ø 275 mm	n° 10 M22x1.5 on ø 335 mm
Total reduction		From 30 to 110	From 40 to 110	From 40 to 110
Peak torque	kNm	22.5	35	45
Dynamic load capacity	kN	50	80	90
Static load capacity	kN	125	200	225

MODEL		28.48 R	28.60 R	28.80 R
Overall width	mm	1,988	1,928	2,040
Flange to flange distance	mm	1,700	1,640	1,740
Wheel mounting dimension		n° 10 M20x1.5 on ø 335 mm	n° 10 M20x1.5 on ø 335 mm	n° 12 M22x1.5 on ø 425 mm
Total reduction		From 43 to 110	From 43 to 110	From 43 to 110
Peak torque	kNm	67.2	84	112
Dynamic load capacity	kN	90	110	120
Static load capacity	kN	225	275	300

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