

Compact Drives

Oerlikon Fairfield's CR31 and CR51 roller drives are purposely designed to meet the unique requirements for mobile compaction machinery.

Features

- Ultra compact length
- Integrated parking brake
- Double or triple planetary designs
- Spindle side brake release and oil ports
- Tapered roller bearings
- Cartridge motor mounts
- Face seal
- Robust design with an excellent service history



CR31A1

- Double planetary with 46:1 ratio
- 31,000 Nm Max Torque – 4 planet output stage
- 2 Speed Bent Axis 110cc Input (Sauer-Danfoss 51 Series)
- Applied on 12 to 15 metric ton Single Drum Compactors

CR31A2

- Double planetary with 46:1 ratio
- 23,500 Nm Max Torque – 3 planet output stage
- Fixed Axial Piston 55cc or 75cc Input Options (S-D 90 Series)
- 2 Speed Bent Axis 80cc Input Options (S-D 51 Series)
- Applied on 8 to 12 metric ton Single Drum Compactors

CR51

- 51 KNm Max Torque Triple Planetary with 74:1 ratio (5 planet output)
- 2 Speed Bent Axis 110cc Input (Sauer-Danfoss 51 Series)
- Applied on 12 to 15 metric ton Single Drum Compactors

Basic Gearbox Performance Data

	Dimension	CR31A1	CR31A2	CR51
Max. Output Torque (int.)	Nm (lb-in)	31 000 (274 370)	23 250 (205 780)	51 000 (451 380)
Max. Output Torque (cont.)	Nm (lb-in)	23 000 (203 560)	17 435 (154 300)	38 000 (336 330)
Dyn. Load Capacity Max.	kN (lb)	65 (14 610)	65 (14 610)	90 (20 230)
Output Speed Max.	min ⁻¹ (rpm)	50	50	50
Brake Torque Max. (static)	Nm (lb-in)	725 (6416)	725 (6416)	725 (6416)
Ratio	I	45.57:1	45.57:1	73.50:1

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