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Simmons Car Puller Data Sheet

The **Simmons Car Puller** allows an underfloor wheel reprofiling machine operator to position a rail vehicle over the machine without utilizing the vehicle's propulsion system. The Car Puller is available as a standalone unit, or in combination with the **Stanray® Underfloor Wheel Truing Machines** or **Hegenscheidt Underfloor Wheel Lathes**. It is installed to suit your shop's conditions: at or below shop floor level, and adjacent to or in track. A safety interlock can be integrated with the wheel re-profiling machine to ensure safe movement. Depending on the wheel reprofiling machine, the controls can either be integrated with the machine or mounted on separate pedestals. For applications that require bi-directional pulling, two Car Pullers are installed as a Car Progression System.

The Car Puller uses a high strength, lightweight, non-conductive, low elasticity synthetic fiber rope that affords a higher degree of safety and ease of use than conventional wire rope. A mechanical clutch prevents the winch from exceeding rated pulling force. Optional additional equipment includes sheave and snatch blocks.

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Smaller Unit General Specifications

Pulling Capacity	19000 lbs	84.5 kN
Maximum Vehicle Weight (approximate for straight, flat track)	475000 lbs.	215400 kg
Rope Diameter	0.75 in.	19 mm
Maximum Rope Length	440 ft.	134 m

Larger Unit General Specifications

Pulling Capacity	30000 lbs	133.45 kN
Maximum Vehicle Weight (approximate for straight, flat track)	750000 lbs.	340190 kg
Rope Diameter	0.875 in.	22 mm
Maximum Rope Length	350 ft.	107 m

Machine Dimensions

Length	36 in.	914 mm
Width	87.7 in.	2227.6 mm
Height	36 in.	914 mm

Utility Requirements

Electrical Power	38.2 kW
Compressed Air	> 5 cfm @ 80 psi

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