



# Door closer comparison chart



SGDC 100



SGDC 150



SGDC 160



SGDC 165



SGDC 190



SGDC 195

Fire Rated 	Meets Aus. DDA Access Standards 	Type	LOCKTON	Dorma	Assa Abloy (Lockwood)	Kaba	Ryobi	Door Size
		Rack & Pinion	SGDC 100	TS 68	2024		D1502 D1503 D1504	2 / 3 / 4 40 - 80 kg
		Rack & Pinion	SGDC 150	TS 71			D2100V	2 / 3 / 4 40 - 80 kg
✓		Rack & Pinion	SGDC 160	TS73V	724	9024	D2100BCV	2 / 3 / 4 40 - 80 kg
✓		Rack & Pinion	SGDC 165	TS83	726	1026	D3550	2/3/4/5/6 40 - 120 kg
✓	✓	Cam Action	SGDC 190	TS92	2615	CA14		2 / 3 / 4 40 - 80 kg
✓	✓	Cam Action	SGDC 195	TS93	2616	CA25		2 / 3 / 4 / 5 40 - 100 kg

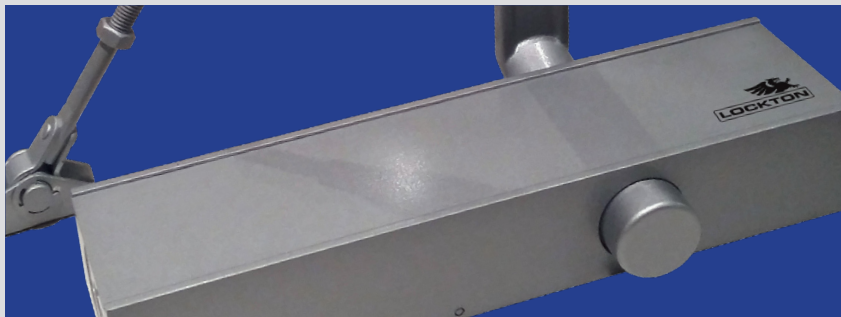
**Note:** This comparison chart compares LOCKTON door closers to door closers made by other manufacturers. This chart compares product features not product ratings, and in some cases the products are not identical but are the closest available from the different manufacturers. For more detailed technical information about non-LOCKTON products, please contact the respective companies.

Whilst LOCKTON has made every effort to ensure the accuracy of the information supplied herein, we assume no liability for any errors or omissions.



# Door closer type information

## Rack & Pinion



**Rack & pinion closers have been used for more than 50 years and are a strong and reliable choice to close doors.**

**LOCKTON have a range that will suit all your current requirements no matter what type of door you are closing.**

**Fire rated and non-fire rated models are available.**

**Parallel arm brackets are included in all closers, hold open arms, slidetrack arms and cover boxes are also available.**

The closing functionality is achieved with the use of a spring. The spring is compressed as the door is opened. It then expands and pushes the door into a closed position.

Speed is controlled by moving a piston through a viscous fluid. Speed can be controlled by opening or closing additional channels to allow the fluid to pass.

Motion is controlled and transmitted through the use of a two bar linkage, a rack, and a pinion. This provides both mechanical advantage for the spring, as well as allowing the use of a linear spring to cause rotational motion of the door.

## Cam Action



**Cam action closers are the only mechanical door closer type that are approved to the Australian Standard AS 1428 'Access to Premises' and meet the current building codes.**

**LOCKTON cam action closers are fire rated and come with slidetrack arms.**

**The push and pull function with cam action closers is contained within the closer body not the arms.**

**LOCKTON Cam Action Closers:**

- **PULL action are B-models**
- **PUSH action are G-models**

with the use of a spring and cam. The spring is compressed as the door is opened. It then expands and forces the door into a closed position.

Speed is controlled by moving a cam through a viscous fluid. Speed can be controlled by opening additional channels to allow the fluid to pass.

Motion is controlled and transmitted through the use of two pistons and a single cam. This provides both mechanical advantage for the spring, as well as allowing the use of a linear spring to cause rotational motion of the door. This action is a smooth motion allowing easier opening and a more efficient closing action.

The closing functionality is achieved