

Sure Stop™ RB500 and RB625 Rope Brakes - US Patent 8,256,579 B2



The Sure Stop Rope Brakes are a clear advance in safety technology. The patented design is a one-piece brake that operates electromechanically. No additional hydraulic unit is needed. Safety and performance are combined in a compact unit that fits in even the smallest places.

The two units are sized for specific rope diameters. The RB500 is used on ropes from 3/8 to 1/2 inches in diameter; the RB625 is for 5/8 inch diameter ropes.

Installation is simple: four bolts anchor it in the machine room and a seven wire harness permits easy electrical connection.

The Sure-Stop Rope Brake is certified to CSA B44.1/ASME A17.5 and has been verified to meet all relevant ASME A17.1 code requirements. It has also been tested and certified by NETEC (National Elevator Inspection and Testing Center) report number T3-F35-09-009.

The Sure-Stop rope brake carries a one-year warranty in the US and Canada against defects in material and workmanship. Each unit includes the brake, wiring harness and installation manual.

Note: The RB500 and RB625 are normally wired for 208/220VAC but can use 120VAC with the optional transformer (p/n AZ85618). And while the units connect easily to almost every controller, in rare circumstances the wiring may need to be adapted. Draka also offers a code compliant solution for older controllers. Contact Draka for details and assistance.

Features

No separate hydraulic unit is required for operation

Compact footprints (RB500 - 16.3" x 9.2" / RB625 - 18.0" x 9.2") installs easily in tight spaces

RB500 covers rope spreads of up to 6" - RB625 up to 7.75"

Certified to CSA B44.1-04 and ASME-A17.5-2004 (cCSAus)

Complies with all ASME A17.1-2007 code requirements

Specification	RB500	RB625
Rope Diameter	3/8" to 1/2"	1/2" to 5/8"
Brake Pad Width	6"	7-3/4"
1:1 Roping Rated Speed	500 ft/min	1200 ft/min
1:1 Rated Load	440 to 5,500 lbs	1900 to 7500 lbs
1:1 Total System Mass	16,000 lbs	30,000 lbs
2:1 Roping Rated Speed	350 ft/min	600 ft/min
2:1 Rated Load	11,000 lbs	15,000 lbs
2:1 Total System Mass	28,400 lbs	61,000 lbs

Part Number	Description
SURE STOP RB500	RB500 Rope Brake kit with cable and manual
SURE STOP RB625	RB625 Rope Brake kit with cable and manual
AZ85618	Optional 240/120 transformer

Installation footprints for RB500 / RB625 (not to scale)

