



4500 RISE™ CYLINDER

CONFIGURED FOR REGEN-RAILTRAC

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US PATENT 11,255,416 GLOBAL PATENTS PUBLISHED, PENDING, AND ISSUED

Dimensions and Specifications

Stroke	≤58**	in
Barrel Diameter [D]	4	in
Extended Length [L1]	131.5	in
Retracted Length [L2]	73.5	in
Drive Dimensions [L3 x W x H]**	13.3 x 5.3 x 12	in
Bus Voltage Configurable	48**	V

Performance

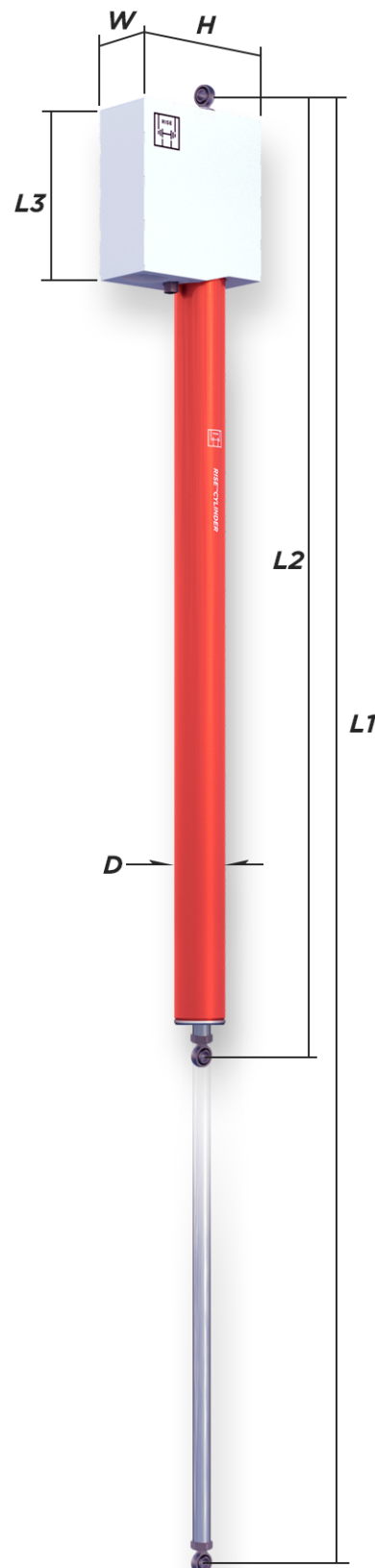
Maximum actuation load	4500	lb
Max Lifting Speed, unloaded	5	in/s
Max Lifting Speed, max load	3.5	in/s
Max Lowering Speed, max load	5	in/s
Max lowering speed, unloaded [200 lb load min.]	5	in/s
Mechanical Efficiency (Motor Shaft to Linear End Effector)	90	%
Regeneration (potential energy to electrical charge)	≤75	%

Environmental

Salt spray testing	*	
Operational Temperature Range	-30 to 130	F
Storage Temperature Range	-60 to 150	F

Certifications

IP Rating	IP54*
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*Under development - Can be configured up to IP65 depending on application.

**If application exceeds stated value, consult RISE.

***Drive box can be located remotely.

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Please contact RISE regarding performance characteristics beyond these ranges (e.g., higher speeds) as they may be achievable with additional development and/or may already be planned.