



In a place where the work never ends,

**Durability is king.**



*LifeSeal+*

# Long live the king.

New **LifeSeal+** spring brakes from Haldex.



Ice melts, rain dries, but corrosion never takes a day off. In time, water, de-icers, oils and other elements eat away at your actuators and your operating ratio.

You need performance and durability in your brakes. Not rust.

So Haldex developed **LifeSeal+**, the industry's only **completely sealed, double-diaphragm** spring brake, to put contaminants and corrosion out of work.



**LifeSeal+** 2.5" and 3.0" stroke models are engineered smart, built strong, and road-tested tough for dependable, durable performance that outlasts ordinary spring brakes.

That means fewer parts to buy, less downtime, more days on the job, lower operating costs and durability that never punches out.

Put new **LifeSeal+** to work for you.

For questions or additional documentation,  
contact your Haldex sales professional.



[haldex.com](http://haldex.com)

Look for the blue Hytre<sup>®</sup> collar that identifies the superior design and durability of the new **LifeSeal+**



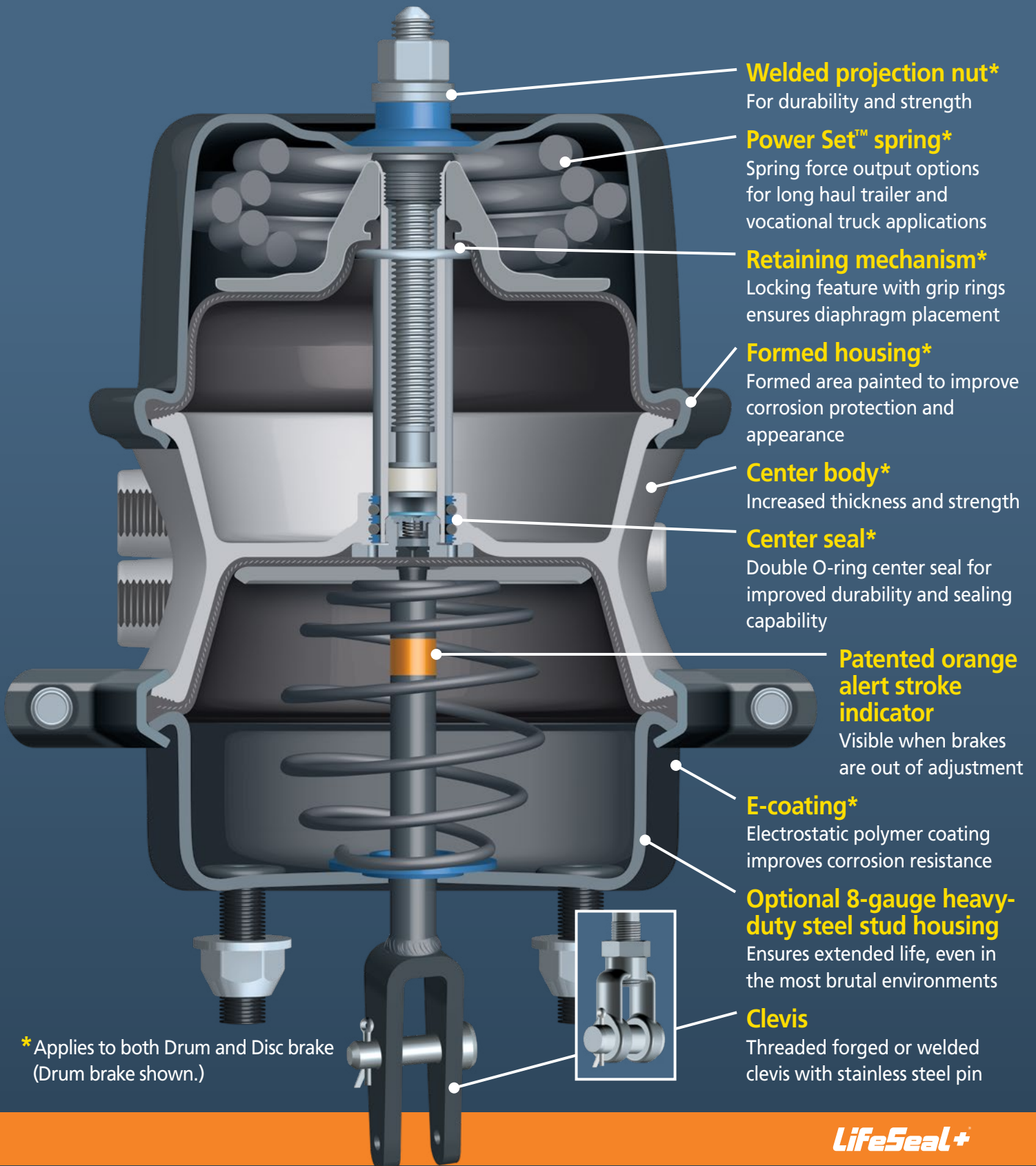
# LifeSeal+

The only truly sealed double-diaphragm spring brake on the market, available with these variations for your specific application:

- Available in two sizes, 2430 and 3030 (see table on back cover)
- Threaded forged or welded clevis with stainless steel pin
- Available in various pushrod lengths
- Standard or heavy-duty housing
  - STD - 9 gauge / HD - 8 gauge
  - All 3.0" strokes feature heavy duty housing
- Standard power spring or high-output power spring
  - Standard power spring - trailers
  - High-output – truck/tractor for greater holding power
- AM chambers specified bolted clampband providing installation flexibility
- Variable port angles specified for AM
- Adaptable port angles specified for OE

# Longer life, sealed in.

## LifeSeal+ Features and Benefits:



\* Applies to both Drum and Disc brake (Drum brake shown.)

**LifeSeal+**

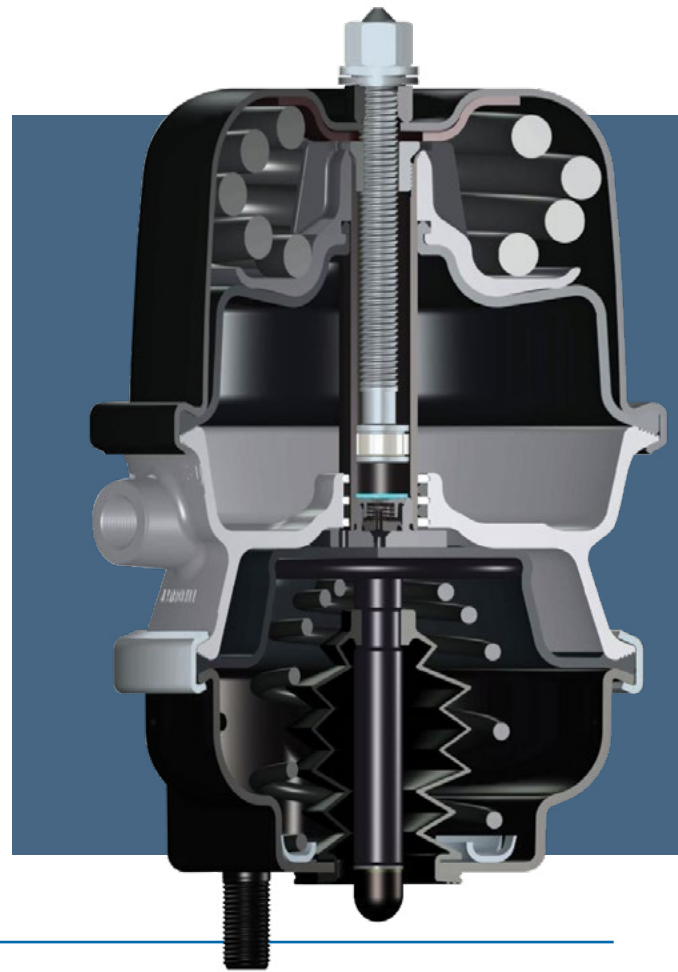
# LifeSeal+

## Disc brake offering:

- 2.5" (64mm) stroke, available in five sizes (see table on back cover)
- Variable port angles specified for OE
- AM chambers specified bolted clampband provides installation flexibility

## LifeSeal+ Testing:

- Testing exceeds SAE J1469/ J2318 and SAE J2902/ J2932 standards
- Park side tested at 135 psi
- Endurance tested to a million park side cycles – 5 times the SAE specification



## The LifeSeal+ warranty lives longer, too:



Type of Vehicle Duty	LifeSeal+
Severe Duty / Vocational	4 years
Standard Duty / Long Haul – OTR	8 years





## LifeSeal+™ Drum Brake Actuators

Spring Brake size and stroke	Part#	Clevis	Pushrod length from face of service housing	Distance to Clevis Pin centerline from face of service housing	Housing	Power Spring
2430 2.5"	LPP2430			Piggyback		Standard
	LCP2430	Threaded	10.00"	n/a	Standard	Standard
	LCP2430CW	Welded	n/a	2.25"	Standard	High Output
2430 3.0"	LPP2430L			Piggyback		Standard
	LCP2430L	Threaded	10.00"	n/a	Heavy Duty	Standard
	LCP2430LCW	Welded	n/a	2.25"	Heavy Duty	High Output
3030 2.5"	LPP3030			Piggyback		High Output
	LPP3030K			Piggyback with bolted clampband and diaphragm		Standard
	LCP3030S1	No	4.40"	n/a	Heavy Duty	High Output
	LCP3030S4	No	9.90"	n/a	Standard	Standard
	LCP3030	Threaded	10.00"	n/a	Heavy Duty	Standard
	LCP3030HD	Threaded	10.00"	n/a	Heavy Duty	High Output
	LCP3030R	No	14.00"	n/a	Heavy Duty	Standard
	LCP3030Q*	No	16.80"	n/a	Standard	High Output
	LCP3030CW	Welded	n/a	2.25"	Heavy Duty	High Output
	LCP3030S6CW	Welded	n/a	2.87"	Heavy Duty	High Output
	LCP3030S7CW	Welded	n/a	4.20"	Standard	High Output
	LCP3030S5CW	Welded	n/a	6.80"	Heavy Duty	Standard
	LCP3030S4CW	Welded	n/a	11.00"	Heavy Duty	Standard
3030 3.0"	LPP3030L			Piggyback		High Output
	LCP3030LS4	No	9.90"	n/a	Heavy Duty	Standard
	LCP3030L	Threaded	10.00"	n/a	Heavy Duty	Standard
	LCP3030LHD	Threaded	10.00"	n/a	Heavy Duty	High Output
	LCP3030LR	No	14.00"	n/a	Heavy Duty	Standard
	LCP3030LQ*	No	16.80"	n/a	Heavy Duty	High Output
	LCP3030LCW	Welded	n/a	2.25"	Heavy Duty	High Output
	LCP3030LS6CW	Welded	n/a	2.87"	Heavy Duty	High Output
	LCP3030LS7CW	Welded	n/a	4.20"	Heavy Duty	High Output
	LCP3030LS5CW	Welded	n/a	6.80"	Heavy Duty	Standard
	LCP3030LS4CW	Welded	n/a	11.00"	Heavy Duty	Standard
LPP3030LK				Piggyback with bolted clampband and diaphragm		Standard

\*3/4 Pushrod Thread (standard 5/8)

For separate clevis purchase, see part numbers CF2 and CF4

## LifeSeal+™ Air Disc Brake Actuators

Part#	Type	Stroke
LCP1624D	1624	Standard 2.5" (64mm)
LCP1824D	1824	Standard 2.5" (64mm)
LCP2024D	2024	Standard 2.5" (64mm)
LCP2030D	2030	Standard 2.5" (64mm)
LCP2430D	2430	Standard 2.5" (64mm)

**All Haldex LifeSeal+ spring brake actuators are backed by a severe-duty 4-year warranty or a standard-duty 8-year warranty.**

To learn more, contact your Haldex sales professional.