VON DUPRIN®

98/99 Series Exit Device Comparison Chart

CUSTOMER DRIVER	FEATURE	99/98	8800	ED5000	7000	2100	9000	BENEFIT
		Von Duprin 98/99 Series	*Sargent 8800 Series*	*Corbin Russwin ED5000 Series*	*Yale 7000 Series*	*Precision 2100 Series*	*Dorma 9000 Series*	
Company History	The inventor of the exit device	Yes	No	No	No	No	No	Invented exit device in 1908. The name you can trust.
Quality & Durability	No Exposed Fasteners	Yes	Exposed screws on back end of device and top of device	Secondary sleeve hides screw attachments	Secondary sleeve hides screw attachments	Exposed screws at center case attachment	Exposed screws on back end of device	Unexposed screws improve aesthetics and reduce tampering Secondary sleeves make it more difficult to cut to length in the field.
	Standard Flush End Caps	Yes	"Overlapping end caps, Flush optional"	Overlapping end caps	Overlapping end caps	Overlapping end caps	Overlapping end caps	Flush end caps can deflect impact and prevent end cap from damage. Maintains aesthetic integrity and longer life.
	Interlocking aluminum extruded mechanism case	Yes	Roll Form Case	Roll Form Case and Sleeves	Roll Form Case and Sleeves	Interlocking Roll Form Case	Roll Form Case	Aluminum extruded interlocking channels provide tighter fit of parts and enhances strength. Lighter aluminum weight contributes to easier installation, maintenance, and service. Interlocked roll form are a challenge to cut.
	Push bar with internal baseplate mechanism design	Yes	Internal mechanics housed in push bar rail	Internal mechanics housed in push bar rail	Internal mechanics housed in push bar rail	Yes	Internal mechanics housed in push bar rail	Baseplate design allows push bar to bottom out without damaging internal mechanism. It also allows replacement of parts without replacing the full push bar assembly.
	Riveted baseplate assembly	Yes	Screws used in push bar assembly	Screws used in push bar assembly	Screws used in push bar assembly	Screws used in baseplate assembly	Screws used in push bar assembly	Screw threads can be stripped with time.
	E-Moly Coated Stainless Steel Latchbolt	Yes	Stainless Steel	Stainless Steel	Stainless Steel, uses plastic slider plate to retract latch	Stainless Steel	Stainless Steel	Moly-Dag coating is a patented coating that protects the latchbolt from wear, reduces friction on the latch, and self lubricates the latch bolt and strike as they wear. This results in a longer lasting, smoother operating latch bolt.
	Heavy Duty Push Bar Compression Springs	Yes	Torsion	Tension	Tension	Yes	Torsion	Compression Springs are less likely to suffer from metal fatigue than torsion or tension springs. They are less likely to fail, and will maintain more consistent tension through its life cycle.
	Metal Dogging Mechanism with positive hook engagement	Yes	Plastic Dogging Cam	Yes	Yes	Yes	Friction Type, with plastic dogging cam	Plastic material in dogging parts are subject to high wear and tear.
	Hydraulic Damping	Yes	Rubber bumpers	Not Available	Not Available	Rubber roll & rectangular plastic bumpers	Rubber Bumpers	Hydraulic damper controls motion of push bar to reduce noise as well as wear and tear. Bumpers simply impede its travel.
	Standard Deadlocking with Compression Spring	Yes	Added Cost Option	Standard	Standard	Standard, exposed deadlocking mechanism extension spring	Standard	Deadlocking provides better security especially when used with contained compression spring. Exposed tension springs are vulnerable to damage that can compromise security.
	Break-Away Lever Trim with Shear Pin	Yes	Freewheeling, no shear pin	No	No	Yes, but no shear pin	No	Breakaway lever trim prevents vandalism. When execessive force is applied, the shear pin breaks and can be easily replaced. Other designs have no shear pin protection, so when the trim is broken, the whole product must be replaced.

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Quality & Durability *Continued*	Lever Return Compression Spring	Yes, 2 HD compression springs	Single Tension	Single Torsion spring under drive gear	Single Torsion spring under drive gear	Yes	Single Torsion Spring	Compression Springs are less likely to suffer from metal fatigue than torsion or tension springs. They are less likely to fail, and will maintain more consistent tension through its life cycle.
	Bi-directional Lever Movement	Yes	No	No	No	No	No	Bi-directional lever movement allows for easier door access and reduces vandalism risks.
	No Door to Device Gap	Yes	Yes	Yes	Yes	1/4" gap	Yes	Door to Device Gap is undesirable as a gap between the device and the door allows the opening to be chained or tied shut or to be kept unlatched via zip ties or string. A gap behind the device also weakens the device against buckling under heavy abuse.
Ease of Installation & Maintenance	Pre-assembled center case and baseplate system	Yes	No	No	No	Yes	No	Pre-assembled device is simpler and faster to install than models with different device sub-assemblies.
	Self-Adjusting Vertical System	Yes	No	No	No	No	No	Self-adjusting vertical system provides simple and intuitive adjustment making installation and maintenance easier than common vertical rod systems.
	Motorized Electric Latch	Yes	Yes	No	No	No	No	Motor-driven electric latch has lower power supply requirement while providing longer wire runs.
	On-Board Diagnostics for Electric Latch Retraction	Yes	No	No	No	No	No	On-board diagnostics provides an easy tool to confirm proper system installation.
	Dogging Assembly in Mech Case Less Dogging assembly option available	Yes	Dogging in pushbar; uses plug in dogging hole for fire rated mechanism*.	Yes	Yes	Yes	Yes	Dogging in mech case allows the use of a simple dogging conversion kit for replacement. *For Sargent, dogging in push bar requires a full pushbar retrofit assembly. The use of plug in dogging hole has a potential hazard of adding the dogging assembly to rated device.
Flexibility to Grow	Universal center case	Yes	Non-handed center case, Center cases are function specific - different center case is required for fire rated or panic devices.	Handed center case, Narrow stile center case for both wide and narrow stile devices with plastic trim input.	Handed center case, Narrow stile center case for both wide and narrow stile devices with plastic trim input.	Handed center case, back plate is function specific.	Multiple hub backplates making device function specific.	Universal center case design offers ability to change functions and options in the field. Handed center case must be ordered correctly offering less flexibility in the field. Narrow center case used for wide stile applications leaves a large cavity under the cover. Plastic trim input is subject to high wear and tear.
	Pre-assembled EL/QEL Baseplate Conversion kit	Yes	No	No	No	Yes	No	Pre-assembled EL baseplate conversion kits allows for easy field retrofit and electrical conversion of mechanical devices.Non-baseplate design requires disassembly of push bar/mech case, and several more steps to install and assemble electrical components into push bar rail.
	Pneumatic Latch Retraction	Yes	No	No	No	No	No	Pneumatic latch retraction option provides a solution for hazardous areas where electronics are not permitted.
	Custom Graphics on Pushpad	Yes	No	No	No	No	No	Custom graphics option on push pad provides creative ways to customize aesthetics according to customer needs.
	"Quiet" Latch Retraction	Yes	Yes	No	No	No	No	Motor-driven electric latch retraction solution eliminates the loud latch pulling noise produced by solenoid driven devices.
	Three-Point Latching Exit Device (9957) Available	Yes	No	No	No	No	No	Three-point latching exit device provides added security to the opening.