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Re: Bi Fold Speed Gate Vs Fold Smart

Performance Characteristic Comparison

PDXT SPEED GATE	FOLD SMART
1.1 COMPONENTS	
1	
1 Door/gate framing 2.5" x 2.5" structural steel tube.	Door/gate framing 2.0" x 2.0" structural steel tube.
2 Columns: 12" x 12"x 0.25” hot rolled steel laser cut and formed welded assembley. Designed to bolt to embedded concrete anchorages via welded, gusseted 18” x 18” x 0.5” base plate.	Columns: 8" x 8" x 0.38” hot rolled steel laser cut and formed welded assembley. Designed to bolt to embedded concrete anchorages via welded, gusseted 14” x 14” x 0.75” base plate.
2	
1 Dimensions: [max 8'h x 20'w clear opening] or [max 10'h x 18'w clear opening]	Dimensions: [max 6'h x 30'w clear opening] or [max 10'h x 20'w clear opening]
2 Speed: Fully open or fully closed in 7 seconds	Speed: Fully open or fully closed in 7 seconds
3 Panels: [Standard 6 guage welded wire][Optional 1.5" Vertical bar infill]	Panels: [Standard 6 guage welded wire][Optional 1.5" Vertical bar infill]
4 Corrosian resistant hinges with 1" stainless steel shaft. Delron Bushings. Welded carbon steel body.	Panel hinges - Double stacked ball bearing at each hinge point with 1" hex bolt and lock nut. Column hinges -1" rod end bearing and 1" bronze bushings (graphite impregnated) with 1"hex bolt and lock nut
3 Safety Obstruction Devices	
1 Reduced speed sensor - Absolute encoder mounted directly to drive motor to act as primary entrapment device	IES Sensitivity - Built into the SMART software to act as primary entrapment device
2 Photocells: UL approved IR55 Photoelectric transmitter/reciever	Photocells: UL approved IR55 Photoelectric transmitter/reciever
3 TST-SVEK Vehicle Detector - Self tuning; detects vehicles in gate travel path and will not allow gate to close if activated	HY-5A Vehicle Detector - Self tuning; detects vehicles in gate travel path and will not allow gate to close if activated

4	Drive Unit	
1	Variable frequency drive with programmable logic controller for controlling electro mechanical drive system	Variable frequency drive with programmable logic controller for controlling electro mechanical drive system
2	Electrical components enclosed in weather risistant housing	Electrical components enclosed in weather risistant housing
3	Dual .75HP 3phase gear motors with integrated brake and 360:1 gear reduction box with synthetic lubricant	Dual .5HP DC motors,600:1 gear reduction box with synthetic lubricant
4	Emergency overide in case of malfunction or power failure	Emergency overide in case of malfunction or power failure
5	Duty cycle continuous	Duty cycle continuous
1.2	FINISHES	
1	Standard finish: Hot Dipped Galvanized for all steel components. [0.5] kg/m2 zinc coating to ASTM A653/A653M (CAN/CSA G164)	Standard finish: Hot Dipped Galvanized for all steel components. [0.5] kg/m2 zinc coating to ASTM A653/A653M (CAN/CSA G164)
2	Optional finish: Powder coated to 80 micron thickness - standard RAL colors	Optional finish: Powder coated to 80 micron thickness - standard RAL colors
1.3	Controls/ Service	
1	Programmable user relays	Programmable user relays
2	On board error history log	Built in USB terminal and packaged software. Gate diagnostics and remote servicability
3	Optional un-interuptable power supply	Standard built in battery back up

Summary: The mechanical make up of the Fold Smart is very similar to that of the PDXT Speed Gate with the main difference being a more simplified design. Gate panels are controlled with the use of fixed draw bar instead of the PDXT which utilizes chains/chain tensioners and sprocket assemblies which require more maintenance costs should the gate ever be hit.The control board is were the real differences take place between the 2 gates. They are similar in thier compatibility and flexibility to work with nurmerous on site configurations but the main advantage to the FOLD SMART is the ability to perform diagnostics/ programming via the use of a lap top or even remote serviceability with ethernet connection. This provides greater clarity to the technical support staff should an issue arise and ultimately reduce down time for the end user.