

## Sectional Door Speed Chart



Operator Model	Drive Method and Output Shaft Speed (RPM) OSS = Output Shaft Speed EQ = Equiv Door Shaft Speed	MAX Turns on the Door Shaft with the Standard Limit Switch Assembly	Type Door->																					
			STD		STD		STD		STD		L.C.		L.C.		L.C.		L.C.		F.V.		F.V.		F.V.	
			400-8/ 400-12 D400-96 / D400-144 3.75" CD		TD-1 3.75" CD		SD-4/ 5250-18 D525-216 3.75" CD		SD-8/ 800-32 D800-384 5" CD		400-54 / D400-54 3.75" CD		5250-54 / D525-54 5" CD		5750-120 / D575-120 5" CD		6375-164 / D6375-164 6" CD		850-11 / D850-132 5" CD		1100-18 / D1100-216 6" CD		1350-28 / D1350-336 7" CD	
Max Weight per Cable			250		184		500		925		250		490		385		800		425		335		700	
Max Door Height			8'3"/12'6"		10'0"		19'6"/18'		24'/32'		12'1"		16'1"		17'1"		21'1"		11'0"		18'0"		28'0"	
Max Drum Turns			7.8/12.0		9.3		15.0/12.8		12/15		13.3		13		12.8		16.9		7.9		10.4		13.6	
Drum Radius [IN]			2.275	2.063	2.362	2.156	2.898	2.75	4.4	4.125	2.832	2.063	3.573	2.719	4.555	2.9703	5.365	3.313	4.191	1.344	5.347	1.344	6.48	1.375
SPEED is in/sec			MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
RMX Side mount	Direct Coupled OSS = 25.0 RPM	19.3	5.96	5.40	6.18	5.64	7.59	7.20			7.41	5.4	9.35	7.12	11.92	7.78			10.97	3.52				
RMX Side mount	Optional Speed Up Kit - OSS = 33 RPM	25.4	7.86	7.13	8.16	7.45	10.01	9.50			9.79	7.13	12.35	9.40										
SEL Side mount	38 Tooth Mounting Kit OSS = 32.3 RPM	17.6	7.7	7	8	7.3	9.9	9.3			9.6	7	12.1	9.2										
	48 Tooth Mounting Kit OSS = 25.6 RPM	13.9									9.6	7.3	12.2	8					11.2	3.6				
	54 Tooth Mounting Kit OSS = 22.7 RPM	12.4							10.5	9.8			8.5	6.5	10.8	7.1			10	3.2				
	60 Tooth Mounting Kit OSS = 20.4 RPM	11.1															11.5	7.1			11.4	2.9		
JST Side mount & Center mount	Standard Direct Coupled OSS = 22.2 RPM	17.3	5.30	4.8	5.5	5	6.8	6.3	10.2	9.6	6.6	4.8	8.3	6.3	10.6	6.9	12.3	7.7	9.7	3.1	12.3	3.1		
	Optional Speed Up Kit - Direct Coupled OSS = 34.4 RPM	17.3	8.20	7.4	8.5	7.8	10.5	9.8			10.2	7.4												
L Side mount & Center mount	40:1 Gear Reducer - Direct Coupled OSS = 18.2 RPM	21.9			4.5	4.1	5.6	5.2	8.4	7.8	5.4	3.9	6.8	5.2	8.7	5.6	10.2	6.3	8.3	2.6	10.1	2.6	12.3	2.6
SDB-100 Light Duty Side mount & Center mount	Direct Coupled OSS = 26.5 RPM	36.4			6.6	6	8.1	7.5			7.9	5.7	9.9	7.5					11.6	3.7				
SDB-100 Heavy Duty & SDB-200 Side mount & Center mount	Direct Coupled OSS = 14.3 RPM	19.6					4.4	4.1	6.6	6.2			5.3	4.1	6.8	4.4	8	5	6.3	2	8	2	9.7	2.1

Maximum Recommended Door Speed for Side mount and Center mount Operators is **10.6" per/sec** For Lift Clearance and Full Vertical Doors, **12.3" per/sec**

**Trolley Door Speeds:** RMX = 11.5" per/sec    SEL = 11.5" per/sec    JST = 11" per/sec    L = 11.5" per/sec

**Caution: Excessive door speed can result in throwing door cables, therefore do not use the speeds in the shaded areas of the above chart.**

- Notes:**
- The larger the door size and weight, the slower the door speed should be for good service and life.
  - Maximum speed has been calculated using full drum taper diameter and this speed occurs just as the door meets the floor. If less than full drum capacity is used, the maximum speed will be less.
  - Shaft drive operators used with standard track should use Posi-Tension drums or Pusher Springs and additional horizontal track rise.

**See Operator Model Page for More Details**