



ROTARY VIBRATOR SELECTION GUIDE



Weight of Material in Sloped Portion of Hopper		PNEUMATIC ROTARY VIBRATORS						HYDRAULIC ROTARY VIBRATORS	 ELECTRIC ROTARY VIBRATORS		
Pounds	Kilo-grams	Ball Vibrator	 TurboViber® Turbine Vibrator	High Frequency Dual-Roller Vibrator	Motor-Driven Design Series Vibrator	Motor-Driven Design Series Vibrator	Single Phase	3 Phase	12V / 24V DC		
350	159	BS-10	SST-12				QT2-40X				
500	227	BS-13, US-13	SST-12				QT2-80X				
750	340	BS-16, US-13	SST-12				QT2-100X	QT2-175			
1,000	454	BS-19, US-19, CS-19	SST-12, SST-16				QT2-130X	QT2-175			
1,500	680	BS-19, US-19, CS-19	SST-12, SST-16			C2-0.5-2HC	QT2-250	QT2-250			
2,000	907	BS-25, US-25, CS-25	SST-12, SST-16			C2-0.5-2HC	QT2-250	QT2-250			
2,500	1,134	US-25, CS-25	SST-16, SST-25			C2-0.5-2HC	QT2-500	QT2-500			
3,000	1,361	US-38, CS-35	SST-16, SST-25			C2-0.5-2HC	QT2-500	QT2-500	CEG-400		
3,500	1,588	US-38, DS-41	SST-25			C2-1.0-2HC	QT2-500	QT2-500	CEG-400		
4,000	1,814	US-38, DS-41	SST-25			C2-1.0-2HC	QT2-800	QT2-800	CEG-400		
4,500	2,041	US-38, DS-51	SST-25			C2-1.0-2HC	QT2-800, DEG-900	QT2-800, DEG-900	CEG-800		
5,000	2,268	DS-51	SST-25		C3-1.5-4AC	C2-1.4-2HC	QT2-800, DEG-900	QT2-1000, DEG-900	CEG-800		
6,000	2,722	DS-51	SST-25		C3-1.5-4AC	C2-1.4-2HC	DEG-900	DEG-900	CEG-800		
7,000	3,175	Use more than one vibrator to achieve total force required.	SST-25			C3-1.5-4AC	C2-1.5-2HC	DEG-1200	DEG-1200	CEG-800	
8,000	3,629		SST-35	TV-3X		C3-2.0-4AC	C3-2.0-2HC	DEG-1200	DEG-1200	CEG-800	
9,000	4,082		SST-35	TV-3X		C3-2.0-4AC	C3-2.0-2HC	DEG-1200	DEG-1200	CEG-1200	
10,000	4,536		SST-35	TV-3X		C3-2.5-4AC	C3-2.5-2HC	Use more than one vibrator to achieve total force required.	DEG-1300	CEG-1200	
12,500	5,670		SST-35	TV-3X		C3-2.5-4AC	C3-2.5-2HC		DEG-2000	CEG-1800	
15,000	6,804		SST-35	TV-5X	TCL-2500	C3-3.0-4AC	C3-3.0-2HC		DEG-2000	CEG-1800	
17,500	7,938		TV-5X	TCL-2500	GCL-4400, GCD-4400	C3-4.0-4AC	C3-4.0-2HC		DEG-2500	CEG-2200	
20,000	9,072		TV-5X	TCL-2500	GCL-4400, GCD-4400	C3-4.0-4AC	C3-4.0-2HC		DEG-2500	CEG-2800	
22,500	10,206		TV-5X	TCL-2500	GCL-4400, GCD-4400	C3-5.0-4AC	C3-5.0-2HC		DEG-3000	CEG-2800	
25,000	11,340		TV-7X	TCL-4000	GCL-4400, GCD-4400	C3-5.0-4AC	C3-5.0-2HC		DEG-3000	CEG-3600	
27,500	12,474	TV-7X	TCL-4000	GCL-5000, GCD-5000	C3-6.0-4AC, D4.5-6-4AC	C3-6.0-2HC, D4.5-6-5HC	DEG-3500		CEG-3600		
30,000	13,608	TV-7X	TCL-4000	GCL-5000, GCD-5000	C3-6.0-4AC, D4.5-6-4AC	C3-6.0-2HC, D4.5-6-5HC	DEG-3500		CEG-3600		
32,500	14,742	TV-7X	TCL-4000	GCL-5000, GCD-5000	C3-6.0-4AC, D4.5-6-4AC	C3-6.0-2HC, D4.5-6-5HC	DEG-3500		CEG-4200		
35,000	15,876	TV-7X	TCL-4000	GCL-5000, GCD-5000	C3-6.0-4AC, D4.5-6-4AC	C3-6.0-2HC, D4.5-6-5HC	DEG-3500	CEG-4200			
Frequency (rpm) Range		3,100 - 22,000	8,500 - 40,000	9,000 - 14,000	10,500 - 14,500	7,600 - 15,400	2,700 - 5,650	Up to 5,000	3,450	3,450	3,450
		HIGH	VERY HIGH	HIGH	HIGH	HIGH	LOW - MEDIUM	LOW - MEDIUM	MEDIUM	MEDIUM	MEDIUM

The recommended vibrator shown in the Selection Guide is one of several vibrators that can be used. The force created by Pneumatic Vibrators or Hydraulic Vibrators can be adjusted by reducing or increasing the flow. Electric Vibrators have adjustable weight settings. Additional vibrators may be used if more force is required.

C3 Hydraulic Vibrators are available with 2HC (High Pressure - Low Flow) or 5HC (Low Pressure - High Flow) Hydraulic Motors. D4.5 and D7 Pneumatic or Hydraulic Vibrators are available with Clamp-type Mounting System (CC4.5 & CC7). Single Phase Electric Vibrators are available in 115V and 230V models. Three Phase Electric Vibrators are available in 230V and 460V models. AC Electric Vibrators are available in 12V and 24V models.



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Weight of Material in Sloped Portion of Hopper		PNEUMATIC ROTARY VIBRATORS						HYDRAULIC ROTARY VIBRATORS	 ELECTRIC ROTARY VIBRATORS		
Pounds	Kilo-grams	Ball Vibrator		TurboViber® Turbine Vibrator		High Frequency Dual-Roller Vibrator	Motor-Driven Design Series Vibrator	Motor-Driven Design Series Vibrator	Single Phase	3 Phase	12V / 24V DC
				37,500	17,010			TV-7X	TCL-6000	GCL-5500, GCD-5500	D4.5-8.0-4AC
40,000	18,144			TV-7X	TCL-6000	GCL-5500, GCD-5500	D4.5-8.0-4AC	D4.5-8.0-5HC			CEG-4200
42,500	19,278			TV-7X	TCL-6000	GCL-5500, GCD-5500	D4.5-8.0-4AC	D4.5-8.0-5HC			
45,000	20,412				TCL-6000	GCL-5500, GCD-5500	D4.5-10.0-4AC	D4.5-10.0-5HC			
47,500	21,546				TCL-6000	GCL-5500, GCD-5500	D4.5-10.0-4AC	D4.5-10.0-5HC			
50,000	22,680				TCL-6000	GCL-5500, GCD-5500	D4.5-10.0-4AC	D4.5-10.0-5HC			
52,500	23,814				TCL-6000	GCL-5500, GCD-5500	D4.5-10.0-4AC	D4.5-10.0-5HC			
55,000	24,948				TCL-6000	GCL-5500, GCD-5500	D4.5-10.0-4AC	D4.5-10.0-5HC			
57,500	26,082					GCL-5500, GCD-5500	D7-12-6AC	D7-12-8HC			
60,000	27,216					GCL-5500, GCD-5500	D7-12-6AC	D7-12-8HC			
62,500	28,350					GCL-5500, GCD-5500	D7-12-6AC	D7-12-8HC			
65,000	29,484					GCL-5500, GCD-5500	D7-12-6AC	D7-12-8HC			
67,500	30,617					GCL-5500, GCD-5500	D7-12-6AC	D7-12-8HC			
70,000	31,751					GCL-5500, GCD-5500	D7-12-6AC	D7-12-8HC			
72,500	32,885					GCL-5500, GCD-5500	D7-12-6AC	D7-12-8HC			
75,000	34,019					GCL-5500, GCD-5500	D7-12-6AC	D7-12-8HC			
77,500	35,153						D7-25-6AC	D7-25-8HC			
80,000	36,287						D7-25-6AC	D7-25-8HC			
82,500	37,421						D7-25-6AC	D7-25-8HC			
85,000	38,555						D7-25-6AC	D7-25-8HC			
87,500	39,689						D7-25-6AC	D7-25-8HC			
90,000	40,823						D7-25-6AC	D7-25-8HC			
92,500	41,957						D7-25-6AC	D7-25-8HC			
97,500	44,225						D7-25-6AC	D7-25-8HC			
100,000	45,359						D7-25-6AC	D7-25-8HC			
110,000	49,895						D7-25-6AC	D7-25-8HC			
120,000	54,431						D7-50-6AC	D7-50-8HC			
Frequency (rpm) Range		3,100 - 22,000	8,500 - 40,000	9,000 - 14,000	10,500 - 14,500	7,600 - 15,400	2,700 - 5,650	Up to 5,000	3,450	3,450	3,450
		HIGH	VERY HIGH	HIGH	HIGH	HIGH	LOW - MEDIUM	LOW - MEDIUM	MEDIUM	MEDIUM	MEDIUM

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