

FLEX SHAFT SERIES CONCRETE VIBRATORS

IF YOU NEED TO VIBRATE CONCRETE, WE HAVE YOUR VIBRATOR!

Allen Engineering offers a complete line of Flex Shaft Concrete Vibrators to handle any size or type of job. Allen Flex-Shaft concrete vibrators can be powered by 115 volt grounded aluminum electric motors or a 4-cycle Honda gasoline engine. All Allen Flex-shaft vibrator heads, shafts and power units are interchangeable.

BACKPACK CONCRETE VIBRATORS

- ▶ **HONDA POWER**
4 cycle petrol
- ▶ **“SPEED-UP” TRANSMISSION**
Allows engine to run at lower RPMs and still produce high VPMs
- ▶ **MAXIMUM HEAD SIZE**
Backpack power unit will power up to 2 1/2” diameter heads



ELECTRIC FLEX SHAFT CONCRETE VIBRATORS

HIGH ECCENTRIC POWER

Provides superior consolidation of concrete

FULLY INTERCHANGEABLE HEADS, SHAFTS & POWER UNITS

Allow maximum flexibility of use



RUBBER SHOCK ABSORBERS

Protect motor from drops up to six feet high

QUICK DISCONNECT

All Allen power units come standard with the Quick Disconnect “QD” system allowing for shaft changes on the jobsite with no tools.



Allen Flex Shaft Vibrator Specifications

- ALL Heads Attach to ALL Flexible Shafts. • ALL Shafts with Heads Attach to ALL Power Units.

STEEL HEADS (DIAMETER)	RUBBER HEADS (DIAMETER)	FLEXIBLE SHAFTS (LENGTH)	POWER	UNITS	MAXIMUM RECOMMENDED HEAD SIZE FOR POWER UNITS
1" (25mm)	1 7/8" (48mm)	2' (.6m)	1.25 HP	(9 Amps)	Steel, 1 1/4" Rubber N/A
1 1/4" (32mm)	2 1/2" (64mm)	5' (1.5m)	1.75 HP	(15 Amps)	Steel, 1 3/4" Rubber N/A
1 1/2" (38mm)	2 3/4" (70mm)	7' (2.1m)	2.25 HP	(17 Amps)	Steel, 2" Rubber, 1 7/8" & 2 3/4" short
1 3/4" (44mm)	2 3/4" (70mm) short	10' (3.0m)	3.25 HP	(19 Amps)	Steel, 2 1/2" Rubber, 2 3/4"
2" (50mm)		14' (4.3m)			
2 1/2" (64mm)		21' (6.4m)			
BACK PACKS:					
			BP 50 (2.5 HP)		Steel, 2 1/2" Rubber, 2 1/2"

• 3/4" (19mm) Pencil Heads also available with shafts in 3' (.9m), 6' (1.8m), 9' (2.7m) & 15' (4.6m) lengths

• Ball Bearing Shaft connectors permit lengths up to 42' (12.8m)

- All electrical motors are 115 volt, single phase operating at 11,000 to 12,000 VPM (relative to load).
- Motors operate on 60 cycle current (will also operate on 50 cycle) with AC/DC universal winding.

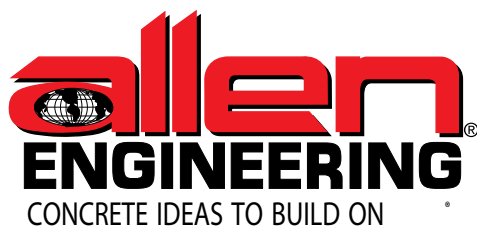
STEEL VIBRATOR HEAD SPECIFICATIONS

HEAD DIAMETER & LENGTH	CENTRIFUGAL FORCE*IN LBS.	AMPLITUDE TO SIDE AT TIP	DIAMETER OF INFLUENCE (USE AS GUIDE ONLY)	CAPACITY IN CU. YDS. PER HR. (USE AS GUIDE ONLY)
3/4" x 12"	155	.06	6"	1 - 3
1" x 13"	220	.08	8"	2 - 4
1 1/4" x 13"	510	.08	10"	2 - 5
1 1/2" x 14"	920	.10	12"	5 - 8
1 3/4" x 14"	1200	.16	18"	8 - 16
2" x 14"	1500	.15	22"	12 - 20
2 1/2" x 13"	1850	.16	26"	23 - 30

*Centrifugal force varies in proportion to the square of the speed.

RUBBER VIBRATOR HEAD SPECIFICATIONS

HEAD DIAMETER & LENGTH	CENTRIFUGAL FORCE*IN LBS.	AMPLITUDE TO SIDE AT TIP	DIAMETER OF INFLUENCE (USE AS GUIDE ONLY)	CAPACITY IN CU. YDS. PER HR. (USE AS GUIDE ONLY)
1 7/8" x 14"	1400	.18	22"	10 - 18
2 1/2" x 14"	1900	.24	28"	14 - 22
2 3/4" x 15"	2100	.24	36"	25 - 35
2 3/4" x 6" Short	1100	.24	30"	9 - 15



ab lin-pro

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RUBBER COATED HEAD

Vibrates concrete without damaging epoxy coated rebar.

