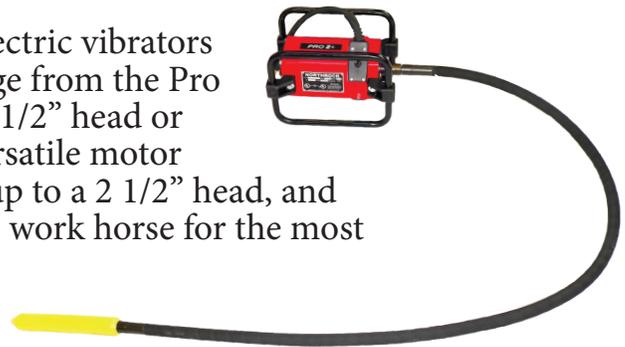


PRO-1.5, 2+ AND 3+ ELECTRIC VIBRATORS



The Northrock Pro Series of electric vibrators includes three models that range from the Pro 1.5 for small jobs requiring a 1 1/2" head or less, to the Pro 2 + the most versatile motor on the market that can power up to a 2 1/2" head, and finally the Pro 3 which is a true work horse for the most demanding applications.

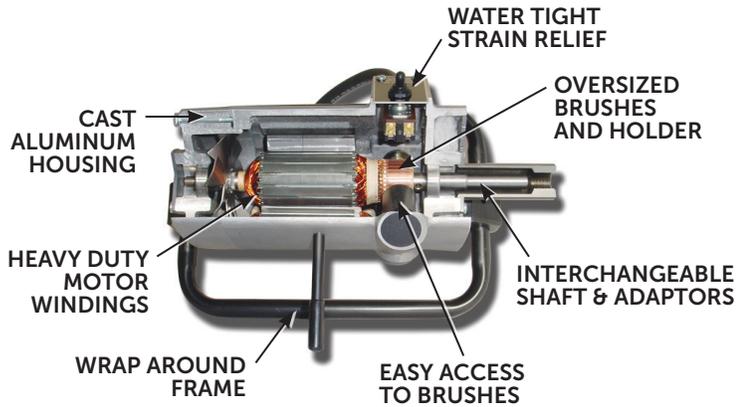


BUILT TOUGH

Northrock internal concrete vibrators are built to take a beating. Electric motors are protected by a high strength cast aluminum housing that also dissipates potentially damaging heat. A rugged shock absorbing frame protects the housing while acting as a convenient carrying handle for the unit. Watertight, strain relief power cords take all kinds of abuse on the job and power switches are protected by the frame. The vibrator heads themselves are factory sealed and require no maintenance. Optional soft tips and coated heads are available to provide protection for expensive forms and epoxy coated rebar.



NORTHROCK ELECTRIC VIBRATOR TECHNICAL SPECIFICATIONS



Vibrator Head Specifications				
Head Dia. & Length inches (mm)	Centrifugal Force pounds (N)	Amplitude to side at tip inches (mm)	Radius of Influence inches (mm)	Capacity y3/hr (m3/hr)
3/4 x 12 (19 x 305)	112 (498)	.070 (1.78)	4 (102)	4 (3.64)
1 x 13 (25 x 330)	183 (820)	.075 (1.91)	5 (127)	6 (5.46)
1-1/4 x 13 (32 x 330)	430 (1,913)	.080 (2.03)	7 (178)	8 (7.28)
1-1/2 x 14 (38 x 356)	760 (3,380)	.090 (2.29)	14 (356)	12 (10.92)
1-3/4 x 14 (44 x 356)	1,100 (4,893)	.110 (2.79)	18 (457)	24 (21.84)
2 x 14 (51 x 356)	1,450 (6,450)	.130 (3.30)	22 (559)	35 (31.85)

Power Source Indicator

How to select components for your Northrock system.

1. First determine the diameter of the head based on the radius of influence listed on the vibrator specification chart below.
2. Determine the length of the shaft needed to reach the bottom of the form.
3. Using the selections from step 1 & 2, find the motor on the chart below.

	Head dia. (in.)	Shaft Length (ft.)					
		2	5	7	10	14	
PRO 1.5 1 1/2 hp	3/4						
	1						
	1 1/4						
	1 1/2			•	•	•	•
PRO 2.0 2 hp	1 3/4		•	•	•	•	
	2	•	•	•	•	•	PRO 3.0 3 hp
	2 1/2	•	•	•	•	•	

- Upgrade to next size power unit if any of the following conditions exist:
- A larger diameter head may be installed in the future
 - Low-slump concrete or abnormal conditions exist which restrict flow
 - Unit will run continuously at a precast plant
 - Shaft connectors will be used to extend shaft length
 - Frequency is below 10,000 for any reason whatsoever
 - NOTE: Shafts are available in lengths up to 60' with connector

SPECIAL HEADS

In addition to the standard heads we also offer short heads (1", 1 1/2", and 2" dia. x 4" long) for use with tilt-up walls, slabs and decks. Coated heads (1 1/2" to 2 1/2" dia.) protect epoxy rebar from damage that can cause premature failure and soft tipped heads that save expensive forms from marring.



FLEXIBLE SHAFTS

All NORTHROCK flexible shafts are constructed with rubber coated steel braiding which prevents stretching, and hardened steel inner liners that act as the bearing surface for the inner core. We have both standard duty shafts and pencil shafts. The standard duty shafts are stiffer for better poking control, while the pencil shafts (only used on 3/4" - 1 1/4") are more flexible and used to reach tight areas such as block wall cells. Flexible shafts are available in 1' to 30' lengths. 60' shafts are available via a simple shaft connector.



BACKPACK VIBRATORS • ELECTRIC VIBRATORS • REBAR ROCKERS
CEILING GRINDERS • HAND-HELD GRINDERS • POWER SCREEDS



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