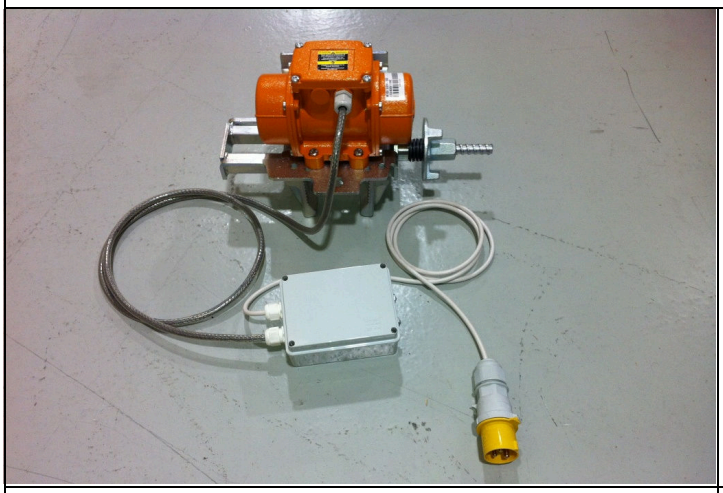
# MVSI External Vibrator Systems

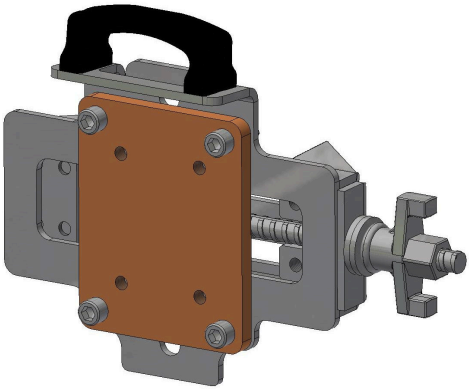


MVSI External Vibrators-Single Phase Leaflet L0001/EN013

MVSI External Vibrators-Three Phase Leaflet L0001/EN013

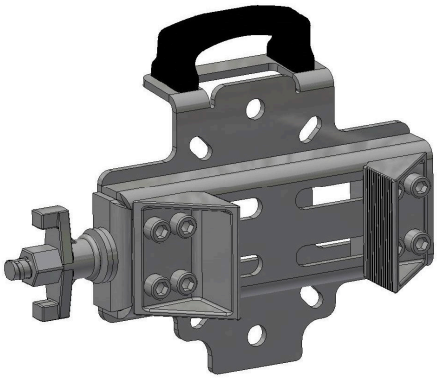

VSC Control Unit for Two Vibrators Leaflet Leaflet L0100

Direct on Line Starters Leaflet L0101



Quick Release Clamp-Wooden Formwork

Suitable for:MVS3/100,MVS3/200,ITVAF6/300,



Quick Release Clamp –Wooden Formwork

Suitable for MVSI3/300,ITVAF6/600

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Vibration Solutions

# MVSI3/100,200, 300 .MVSI15/35,80,100,200
# EXTERNAL VIBRATOR
## 115volt/1phase/50hz, 230volt/1phase/50hz, 380/415volt/3phase /50hz
## & BRACKETS FOR METAL AND WOODEN FORMWORK

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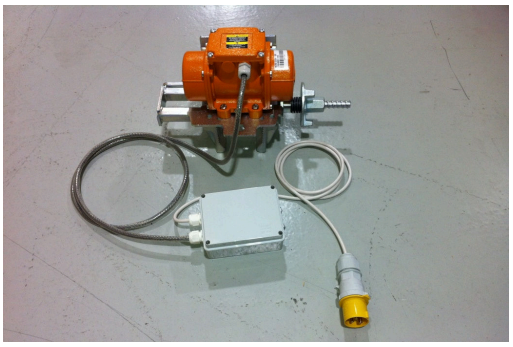
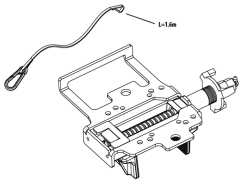


MVSI Vibrator with Cable and Plug ready to go with option of Clamp for wooden or metal shuttering.

Available in variety of Voltages

**Safety Harness must be fitted**



## MVSI3 1Ø VIBRATOR WITH CAPACITORS IN BOX AND CABLE NO PLUG

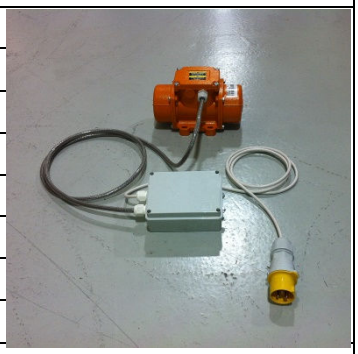
| PART NO | VIBRATOR | VOLTAGE | CABLE VIBRATOR TO BOX | | | CAPACITOR | | TRAILING CABLE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dia | Spec | Length | µf | Part No | Dia | Spec | Length |
| 012473/3/100-115 | MVSI3/100 | 115/1/50 | 1.5mm² | H07 | 2mtr | 28.0 | 539 | 1.5mm² | SY | 2mtr |
| 012473/3/200-115 | MVSI3/200 | 115/1/50 | 1.5mm² | H07 | 2mtr | 28.0 | 539 | 1.5mm² | SY | 2mtr |
| 012473/3/300-115 | MVSI3/300 | 115/1/50 | 1.5mm² | H07 | 2mtr | 25.0 | 539625 | 1.5mm² | SY | 2mtr |
| 012473/3/100-230 | MVSI3/100 | 230/1/50 | 1.5mm² | H07 | 2mtr | 10.0 | 539610 | 1.5mm² | SY | 2mtr |
| 012473/3/200-230 | MVSI3/200 | 230/1/50 | 1.5mm² | H07 | 2mtr | 10.0 | 539610 | 1.5mm² | SY | 2mtr |
| 012473/3/300-230 | MVSI3/300 | 230/1/50 | 1.5mm² | H07 | 2mtr | 12.5 | 539608 | 1.5mm² | SY | 2mtr |

2 mtr trailing cable as standard, longer lengths can be supplied

Brackets ordered separately

## MVSI3 1Ø VIBRATOR WITH CAPACITORS IN BOX AND CABLE WITH PLUG

| PART NO | VIBRATOR | VOLTAGE | CABLE VIBRATOR TO BOX | | | CAPACITOR | | TRAILING CABLE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dia | Spec | Length | µf | Part No | Dia | Spec | Length |
| 012472/3/100-115 | MVSI3/100 | 115/1/50 | 1.5mm² | H07 | 2mtr | 28.0 | 539 | 1.5mm² | SY | 10mtr |
| 012472/3/200-115 | MVSI3/200 | 115/1/50 | 1.5mm² | H07 | 2mtr | 28.0 | 539 | 1.5mm² | SY | 10mtr |
| 012472/3/300-115 | MVSI3/300 | 115/1/50 | 1.5mm² | H07 | 2mtr | 25.0 | 539625 | 1.5mm² | SY | 10mtr |
| 012472/3/100-230 | MVSI3/100 | 230/1/50 | 1.5mm² | H07 | 2mtr | 10.0 | 539610 | 1.5mm² | SY | 10mtr |
| 012472/3/200-2302 | MVSI3/200 | 230/1/50 | 1.5mm² | H07 | 2mtr | 10.0 | 539610 | 1.5mm² | SY | 10mtr |
| 012472/3/300-230 | MVSI3/300 | 230/1/50 | 1.5mm² | H07 | 2mtr | 12.5 | 539608 | 1.5mm² | SY | 10mtr |



10 mtr trailing cable with plus as standard, loner/shorter lengths can de supplied

Brackets ordered separately

## MVSI3 3Ø VIBRATOR WITH CABLE AND WITH/WITHOUT PLUG

| PART NO WITHOUT PLUG | PART NO WITH PLUG | VIBRATOR | VOLTAGE | TRAILING CABLE | | |
|---|---|---|---|---|---|---|
| | | | | Dia | Spec | Length |
| 012479/3/100-220 | 012478/3/100-220 | MVSI3/100 | 220/3/50 | 1.5mm² | SY | 10mtr |
| 012479/3/200-220 | 012478/3/200-220 | MVSI3/200 | 220/3/50 | 1.5mm² | SY | 10mtr |
| 012479/3/300-220 | 012478/3/300-220 | MVSI3/300 | 220/3/50 | 1.5mm² | SY | 10mtr |
| 012479/3/100-400 | 012478/3/100-400 | MVSI3/100 | 400/3/50 | 1.5mm² | SY | 10mtr |
| 012479/3/200-400 | 012478/3/200-400 | MVSI3/200 | 400/3/50 | 1.5mm² | SY | 10mtr |
| 012479/3/300-400 | 012478/3/300-400 | MVSI3/300 | 400/3/50 | 1.5mm² | SY | 10mtr |

10 mtr trailing cable with plus as standard, loner/shorter lengths can de supplied

Brackets ordered separately

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VIBRATECHNIQUES LTD
Vibration Solutions

# MVSI3/100,200, 300 .MVSI15/35,80,100,200
# EXTERNAL VIBRATOR
## 115volt/1phase/50hz, 230volt/1phase/50hz, 380/415volt/3phase /50hz
## & BRACKETS FOR METAL AND WOODEN FORMWORK

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## MVSI15 1Ø VIBRATOR WITH CAPACITORS IN BOX AND CABLE NO PLUG

| PART NO | VIBRATOR | VOLTAGE | CABLE VIBRATOR TO BOX | | | CAPACITOR | | TRAILING CABLE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dia | Spec | Length | µf | Part No | Dia | Spec | Length |
| 012473/15/35-115 | MVSI15/35 | 115/1/50 | 1.5mm² | H07 | 2mtr | 25.0 | 539 | 1.5mm² | SY | 2mtr |
| 012473/15/80-115 | MVSI15/80 | 115/1/50 | 1.5mm² | H07 | 2mtr | 25.0 | 539 | 1.5mm² | SY | 2mtr |
| 012473/15/100-115 | MVSI15/100 | 115/1/50 | 1.5mm² | H07 | 2mtr | 28.0 | 539 | 1.5mm² | SY | 2mtr |
| 012473/15/200-115 | MVSI15/200 | 115/1/50 | 1.5mm² | H07 | 2mtr | 28.0 | 539 | 1.5mm² | SY | 2mtr |
| 012473/15/35-230 | MVSI15/35 | 230/1/50 | 1.5mm² | H07 | 2mtr | 3.15 | 539600 | 1.5mm² | SY | 2mtr |
| 012473/15/80-230 | MVSI15/80 | 230/1/50 | 1.5mm² | H07 | 2mtr | 3.15 | 539600 | 1.5mm² | SY | 2mtr |
| 012473/15/100-230 | MVSI15/100 | 230/1/50 | 1.5mm² | H07 | 2mtr | 10.0 | 539610 | 1.5mm² | SY | 2mtr |
| 012473/15/200-230 | MVSI15/200 | 230/1/50 | 1.5mm² | H07 | 2mtr | 10.0 | 539610 | 1.5mm² | SY | 2mtr |

2 mtr trailing cable as standard, longer lengths can be supplied

Brackets ordered separately

## MVSI15 1Ø VIBRATOR WITH CAPACITORS IN BOX AND CABLE WITH PLUG

| PART NO | VIBRATOR | VOLTAGE | CABLE VIBRATOR TO BOX | | | CAPACITOR | | TRAILING CABLE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dia | Spec | Length | µf | Part No | Dia | Spec | Length |
| 012472/15/35-115 | MVSI15/35 | 115/1/50 | 1.5mm² | H07 | 2mtr | 25.0 | 539 | 1.5mm² | SY | 10mtr |
| 012472/15/80-115 | MVSI15/80 | 115/1/50 | 1.5mm² | H07 | 2mtr | 25.0 | 539 | 1.5mm² | SY | 10mtr |
| 012472/15/100-115 | MVSI15/100 | 115/1/50 | 1.5mm² | H07 | 2mtr | 28.0 | 539 | 1.5mm² | SY | 10mtr |
| 012472/15/200-115 | MVSI15/200 | 115/1/50 | 1.5mm² | H07 | 2mtr | 28.0 | 539 | 1.5mm² | SY | 10mtr |
| 012472/15/35-230 | MVSI15/35 | 230/1/50 | 1.5mm² | H07 | 2mtr | 10.0 | 539610 | 1.5mm² | SY | 10mtr |
| 012472/15/80-230 | MVSI15/80 | 230/1/50 | 1.5mm² | H07 | 2mtr | 10.0 | 539610 | 1.5mm² | SY | 10mtr |
| 012472/15/100-230 | MVSI15/100 | 230/1/50 | 1.5mm² | H07 | 2mtr | 10.0 | 539610 | 1.5mm² | SY | 10mtr |
| 012472/15/200-230 | MVSI15/200 | 230/1/50 | 1.5mm² | H07 | 2mtr | 10.0 | 539610 | 1.5mm² | SY | 10mtr |

10 mtr trailing cable with plus as standard, loner/shorter lengths can de supplied

Brackets ordered separately

## MVSI15 3Ø VIBRATOR CABLE WITH/WITHOUT PLUG

| PART NO WITHOUT PLUG | PART NO WITH PLUG | VIBRATOR | VOLTAGE | TRAILING CABLE | | |
|---|---|---|---|---|---|---|
| | | | | Dia | Spec | Length |
| 012479/15/35-220 | 012478/15/35-220 | MVSI15/35 | 220/3/50 | 1.5mm² | SY | 10mtr |
| 012479/15/80-220 | 012478/15/80-220 | MVSI15/80 | 220/3/50 | 1.5mm² | SY | 10mtr |
| 012479/15/100-220 | 012478/15/100-220 | MVSI15/100 | 220/3/50 | 1.5mm² | SY | 10mtr |
| 012479/15/200-220 | 012478/15/200-220 | MVSI15/200 | 220/3/50 | 1.5mm² | SY | 10mtr |
| 012479/15/35-400 | 012478/15/35-400 | MVSI15/35 | 400/3/50 | 1.5mm² | SY | 10mtr |
| 012479/15/80-400 | 012478/15/80-400 | MVSI15/80 | 400/3/50 | 1.5mm² | SY | 10mtr |
| 012479/15/100-400 | 012478/15/100-400 | MVSI15/100 | 400/3/50 | 1.5mm² | SY | 10mtr |
| 012479/15/200-400 | 012478/15/200-400 | MVSI15/200 | 400/3/50 | 1.5mm² | SY | 10mtr |

10 mtr trailing cable with plus as standard, loner/shorter lengths can de supplied

Brackets ordered separately

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Vibration Solutions

# MVSI3/100,200, 300 .MVSI15/35,80,100,200
# EXTERNAL VIBRATOR
## 115volt/1phase/50hz, 230volt/1phase/50hz, 380/415volt/3phase /50hz
## & BRACKETS FOR METAL AND WOODEN FORMWORK

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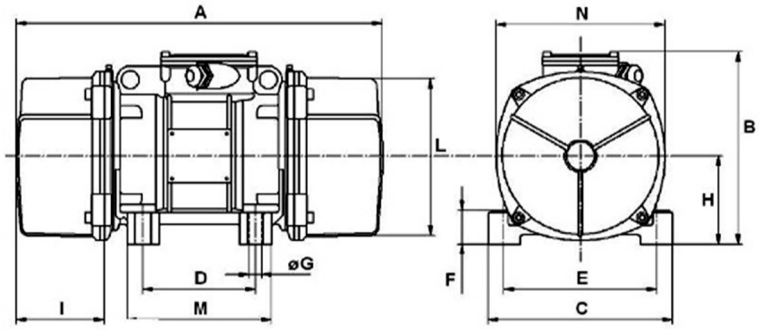
## MVSI3/100,200,300 PERFORMANCE

| MODEL | Frame Size | Mechanical Specification | | | | | | | | Electrical Specification | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Static Moment | | Centrifugal Force | | | | Weight | | Max Input Power | | Max Current | | Capacitor µF | | Ia/In | |
| | | kgmm | | kg | | kN | | Kgs | | Watts | | Amps | | | | 50 Hz | 60Hz |
| | | 50 Hz | 60Hz | 50 Hz | 60Hz | 50 Hz | 60Hz | 50 Hz | 60Hz | 50 Hz | 60Hz | 50 Hz | 60Hz | 50 Hz | 60Hz | | |
| **MVSI3** | **220/240v 1Ph 50Hz/240v/1Ph 60Hz 2 Poles 3000/3600 RPM** | | | | | | | | | | | | | | | | |
| MVSI3/100-S02 | 00 | 12.0 | 12.0 | 121 | 174 | 1.19 | 1.71 | 5.60 | 5.60 | 165 | 165 | 0.75 | | 10 | | 2.68 | |
| MVSI3/200-S02 | 01 | 21.0 | 15.0 | 211 | 218 | 2.07 | 2.14 | 6.40 | 6.20 | 165 | 165 | 0.75 | | 10 | | 2.68 | |
| MVSI3/300-S02 | 10 | 30.1 | 20.4 | 304 | 297 | 2.98 | 2.91 | 9.70 | 9.20 | 280 | 280 | 1.25 | | 16 | | 3.47 | |
| **MVSI3** | **110/115v 1Ph 50Hz/115v 1Ph 60Hz 2 Poles 3000/3600 RPM** | | | | | | | | | | | | | | | | |
| MVSI3/100-S02 | 00 | 12.0 | 12.0 | 121 | 174 | 1.19 | 1.71 | 5.60 | 5.60 | 165 | 165 | | 1.52 | | 28.0 | | 2.24 |
| MVSI3/200-S02 | 01 | 21.0 | 15.0 | 211 | 218 | 2.07 | 2.14 | 6.40 | 6.20 | 165 | 165 | | 1.52 | | 28.0 | | 2.24 |
| MVSI3/300-S02 | 10 | 30.1 | 20.4 | 304 | 297 | 2.98 | 2.91 | 9.70 | 9.20 | 280 | 280 | | 2.40 | | 25.0 | | 3.52 |
| **MVSI3** | **400v 3Ph 50Hz /460v 3Ph 60Hz 2 Poles 3000/3600 RPM** | | | | | | | | | | | | | | | | |
| MVSI3/100-S02 | 00 | 12.0 | 12.0 | 121 | 174 | 1.19 | 1.71 | 5.60 | 5.60 | 180 | 180 | 0.35 | 0.30 | Not Required | | 2.68 | 3.00 |
| MVSI3/200-S02 | 01 | 21.0 | 15.0 | 211 | 218 | 2.07 | 2.14 | 6.40 | 6.20 | 180 | 180 | 0.35 | 0.30 | | | 2.68 | 3.00 |
| MVSI3/300-S02 | 10 | 30.1 | 20.4 | 304 | 297 | 2.98 | 2.91 | 9.70 | 9.20 | 260 | 270 | 0.60 | 0.50 | | | 3.47 | 4.20 |

## MVSI3/100,200,300 DIMENSIONS




4 Hole Mounting Fig. A

| MODEL | Fig. | A | B | C | D | E | F | G | | H | I | L | M | N | Cable Entry |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Dia. | No. | | | | | | |
| **MVSI 3** | **220/240v 1Ph 50Hz/240v/1Ph/60Hz 2 Poles 3000/3600 RPM** | | | | | | | | | | | | | | |
| MVSI3/100-S02 | A | 211 | 153 | 125 | 62-74 | 106 | 24 | 9 | 4 | 61 | 46 | 103 | 100 | 117 | M20 |
| MVSI3/200-S02 | A | 235 | 153 | 125 | 62-74 | 106 | 24 | 9 | 4 | 61 | 58 | 103 | 100 | 117 | M20 |
| MVSI3/300-S02 | A | 255 | 179 | 152 | 90 | 125 | 28 | 13 | 4 | 73 | 54 | 127 | 128 | 141 | M20 |
| **MVSI 3** | **110/115v 1Ph 50Hz/115v 1Ph 60Hz 2 Poles 3000/3600 RPM** | | | | | | | | | | | | | | |
| MVSI3/100-S02 | A | 211 | 153 | 125 | 62-74 | 106 | 24 | 9 | 4 | 61 | 46 | 103 | 100 | 117 | M20 |
| MVSI3/200-S02 | A | 235 | 153 | 125 | 62-74 | 106 | 24 | 9 | 4 | 61 | 58 | 103 | 100 | 117 | M20 |
| MVSI3/300-S02 | A | 255 | 179 | 152 | 90 | 125 | 28 | 13 | 4 | 73 | 54 | 127 | 128 | 141 | M20 |
| **MVSI 3** | **400v 3Ph 50Hz/460v 3Ph 60Hz 2 Poles 3000/3600 RPM** | | | | | | | | | | | | | | |
| MVSI3/100-S02 | A | 211 | 153 | 125 | 62-74** | 106 | 24 | 9 | 4 | 61 | 46 | 103 | 100 | 117 | M20 |
| MVSI3/200-S02 | A | 235 | 153 | 125 | 62-74** | 106 | 24 | 9 | 4 | 61 | 58 | 103 | 100 | 117 | M20 |
| MVSI3/300-S02 | A | 255 | 179 | 152 | 90 | 125 | 28 | 13 | 4 | 73 | 54 | 127 | 128 | 141 | M20 |

Ia/In Ratio between start up current and maximum current, * Working Moment=2 x Static Moment, **Slot

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# MVSI3/100,200, 300 .MVSI15/35,80,100,200
# EXTERNAL VIBRATOR
## 115volt/1phase/50hz, 230volt/1phase/50hz, 380/415volt/3phase /50hz
## & BRACKETS FOR METAL AND WOODEN FORMWORK

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## MVSI15/35,80,100,200 PERFORMANCE

| MODEL | Frame Size | Mechanical Specification | | | | | | | | Electrical Specification | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Static Moment | | Centrifugal Force | | | | Weight | | Max Input Power | | Maximum Current | | Capacitor µF | | Ia/In | |
| | | kgmm | | kg | | kN | | Kgs | | Watts | | Amps | | | | 50Hz | 60Hz |
| | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | | |
| **MVSI 15** | **220/240v 1Ph 50Hz/240v 3Ph 60Hz 4 Poles 1500/1800RPM** | | | | | | | | | | | | | | | | |
| MVSI 15/35-S02 | 00 | 12.0 | 12.0 | 30.2 | 43.5 | 0.30 | 0.43 | 5.60 | 5.60 | 90 | | 0.43 | | 3.15 | | 1.20 | |
| MVSI 15/80-S02 | 01 | 31.0 | 21.0 | 77.9 | 76.1 | 0.76 | 0.75 | 6.70 | 6.40 | 90 | | 0.43 | | 3.15 | | 1.20 | |
| MVSI 15/100-S02 | 01 | 38.9 | 31.0 | 97.9 | 112.0 | 0.96 | 1.10 | 7.10 | 6.70 | 90 | | 0.43 | | 3.15 | | 1.20 | |
| MVSI 15/200-S02 | 10 | 84.2 | 58.8 | 213 | 214.0 | 2.09 | 2.10 | 12.5 | 11.70 | 210 | | 1.00 | | 5.0 | | 1.50 | |
| **MVSI 15** | **110/115v 1Ph 50/115v 1Ph 60Hz 4 Poles 1500/1800RPM** | | | | | | | | | | | | | | | | |
| MVSI 15/35-S02 | 00 | 12.0 | 12.0 | 30.2 | 43.5 | 0.30 | 0.43 | 5.60 | 5.60 | | 100 | | 1.00 | | 25 | | 1.30 |
| MVSI 15/80-S02 | 01 | 31.0 | 21.0 | 77.9 | 76.1 | 0.76 | 0.75 | 6.70 | 6.40 | | 100 | | 1.00 | | 25 | | 1.30 |
| MVSI 15/100-S02 | 01 | 38.9 | 31.0 | 97.9 | 112.0 | 0.96 | 1.10 | 7.10 | 6.70 | | 100 | | 1.00 | | 25 | | 1.30 |
| MVSI 15/200-S02 | 10 | 84.2 | 58.8 | 213 | 214.0 | 2.09 | 2.10 | 12.5 | 11.70 | | 230 | | 2.00 | | 25 | | 1.85 |
| **MVSI 15** | **400v 3Ph 50Hz/460v 3Ph 60Hz 4 Poles 1500/1600 RPM** | | | | | | | | | | | | | | | | |
| MVSI 15/35-S02 | 00 | 12.0 | 12.0 | 30.2 | 43.5 | 0.30 | 0.43 | 5.60 | 5.60 | 85 | 95 | 0.21 | 0.20 | - | - | 1.78 | 1.95 |
| MVSI 15/80-S02 | 01 | 31.0 | 21.0 | 77.9 | 76.1 | 0.76 | 0.75 | 6.70 | 6.40 | 85 | 95 | 0.21 | 0.20 | - | - | 1.78 | 1.95 |
| MVSI 15/100-S02 | 01 | 38.9 | 31.0 | 97.9 | 112.0 | 0.96 | 1.10 | 7.10 | 6.70 | 85 | 95 | 0.21 | 0.20 | - | - | 1.78 | 1.95 |
| MVSI 15/200-S02 | 10 | 84.2 | 58.8 | 213 | 214.0 | 2.09 | 2.10 | 12.5 | 11.70 | 170 | 170 | 0.41 | 0.40 | - | - | 2.34 | 2.75 |

## DIMENSIONS

**Diagram See previous page**

4 Hole Mounting Fig. A

| MODEL | Fig. | A | B | C | D | E | F | G | | H | I | L | M | N | Cable Entry thread X 1.5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Dia. | No | | | | | | |
| **MVSI 15** | **220/240v 1Ph 50Hz/240v 3Ph 60Hz 4 Poles 1500/1800RPM** | | | | | | | | | | | | | | |
| MVSI 15/35-S02 | A | 211 | 153 | 125 | 62-74 | 106 | 24 | 9 | 4 | 61 | 46 | 103 | 100 | 117 | M20 |
| MVSI 15/80-S02 | A | 235 | 153 | 125 | 62-74 | 106 | 24 | 9 | 4 | 61 | 58 | 103 | 100 | 117 | M20 |
| MVSI 15/100-S02 | A | 249 | 153 | 125 | 62-74 | 106 | 24 | 9 | 4 | 61 | 65 | 103 | 100 | 117 | M20 |
| **MVSI 15** | **110/115v 1Ph 50/115v 1Ph 60Hz 4 Poles 1500/1800RPM** | | | | | | | | | | | | | | |
| MVSI 15/35-S02 | A | 211 | 153 | 125 | 62-74 | 106 | 24 | 9 | 4 | 61 | 46 | 103 | 100 | 117 | M20 |
| MVSI 15/80-S02 | A | 235 | 153 | 125 | 62-74 | 106 | 24 | 9 | 4 | 61 | 58 | 103 | 100 | 117 | M20 |
| MVSI 15/100-S02 | A | 249 | 153 | 125 | 62-74 | 106 | 24 | 9 | 4 | 61 | 65 | 103 | 100 | 117 | M20 |
| MVSI 15/200-S02 | A | 301 | 179 | 152 | 90 | 125 | 28 | 13 | 4 | 73 | 77 | 127 | 128 | 141 | M20 |
| **MVSI 15** | **400v 3Ph 50Hz/460v 3Ph 60Hz 4 Poles 1500/1600 RPM** | | | | | | | | | | | | | | |
| MVSI 15/35-S02 | A | 211 | 153 | 125 | 62-74** | 106 | 24 | 9 | 4 | 61 | 58 | 103 | 100 | 117 | M20 |
| MVSI 15/80-S02 | A | 235 | 153 | 125 | 62-74** | 106 | 24 | 9 | 4 | 61 | 65 | 103 | 100 | 117 | M20 |
| MVSI 15/100-S02 | A | 249 | 153 | 125 | 62-74** | 106 | 24 | 9 | 4 | 61 | 68 | 103 | 100 | 117 | M20 |
| MVSI 15/200-S02 | A | 301 | 179 | 152 | 90 | 125 | 28 | 13 | 4 | 73 | 77 | 127 | 128 | 141 | M20 |

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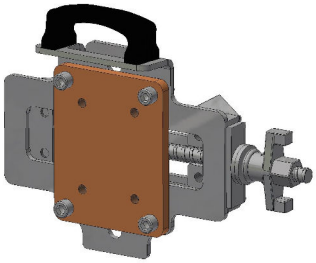
Vibration Solutions

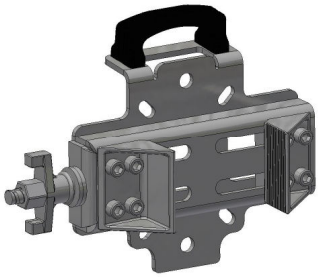
# MVSI3/100,200, 300 .MVSI15/35,80,100,200
# EXTERNAL VIBRATOR
## 115volt/1phase/50hz, 230volt/1phase/50hz, 380/415volt/3phase /50hz
## & BRACKETS FOR METAL AND WOODEN FORMWORK

italvibras g.silingardi



Suitable for:
MVSI15/35
MVSI15/80
MVSI 15/100
MVSI3/100
MVSI3/200
ITVAF6/300

**088004 Formwork Bracket with Adaptor Plate (088003)**



Suitable for:
ITVAF6/600
MVSI3/300

**088001 Formwork Bracket**

## Wooden formwork

DOKA® :H20®, Top50®, FF20®
PERI® : VT20K®, GT24®, Vario GT24®
MEVA® : H20®
NOE® : H20®
HUNNEBECK® :H20®, R24®, GF24®, ES25®
PASCHAL® : H20®

® Registered Trade Names and Trade Marks of Listed Manufacturers
Vibratechniquesltd or Italvibras take no responsibility if Brackets do not fit particular formwork or vibrators

## Steel formwork

## Packing Pieces required

DOKA®: FRAMAX XLIFE®, ALU FRAMAX XLIFE®
PERI®: TRIO®
MEVA®: STAR TEC®, MAMMUT®
NOE®: NOEtop®

® Registered Trade Names and Trade Marks of Listed Manufacturers
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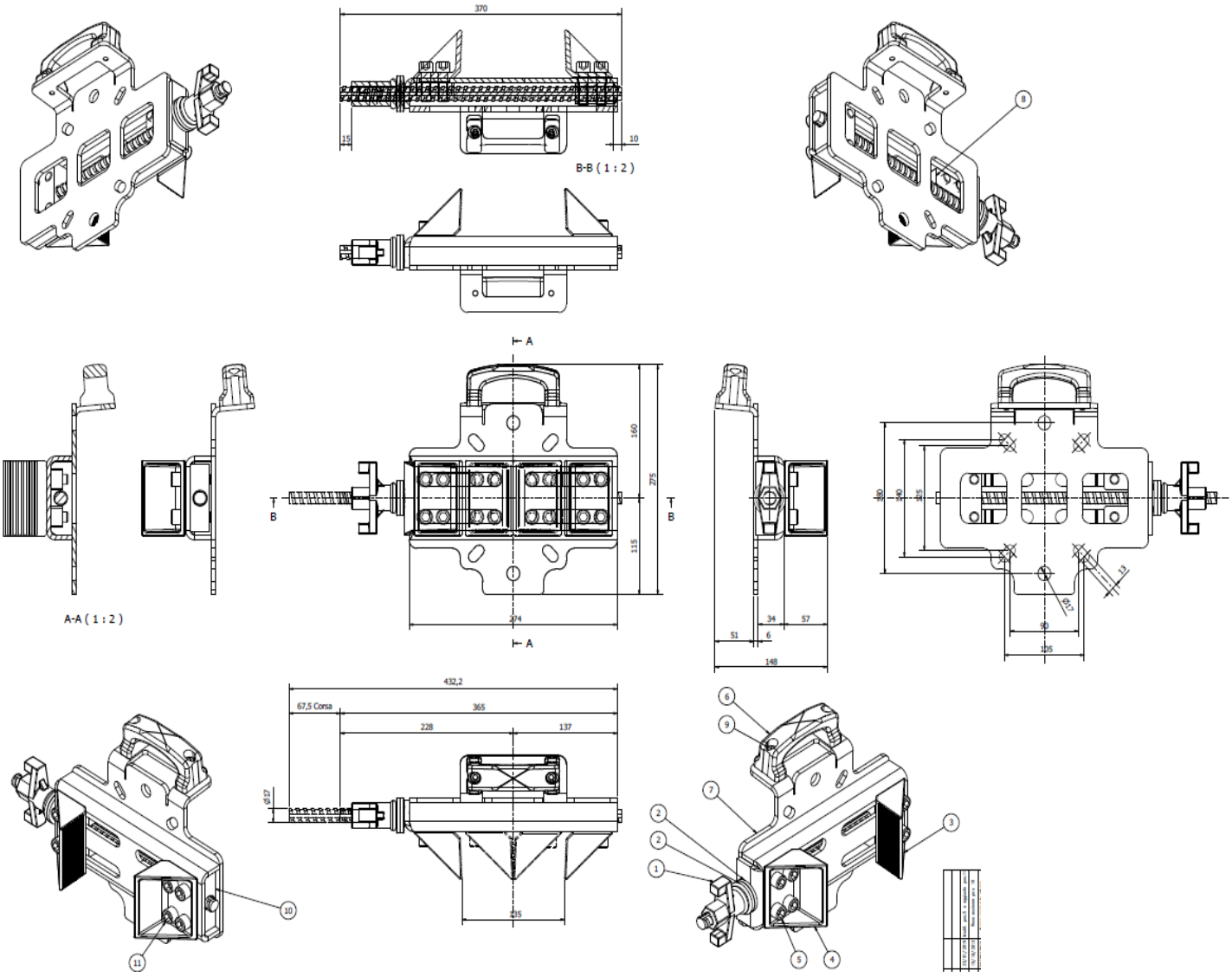
Bolt set required –Vibrator to Bracket



VIBTEC
VIBRATECHNIQUES LTD
Vibration Solutions

# MVSI3/100,200, 300 .MVSI15/35,80,100,200
# EXTERNAL VIBRATOR
## 115volt/1phase/50hz, 230volt/1phase/50hz, 380/415volt/3phase /50hz
## & BRACKETS FOR METAL AND WOODEN FORMWORK

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## VIBTEC TQM3KV Dual Vibrator Frequency Convertor Control Unit
## To operate 2 off External Vibrators

Fitted with the following features

IP54 Wall Mounted Mild Steel Enclosure
Grey Paint Finish RAL7035
Load break door interlocked isolator,
Emergency stop facility (CAT 0),
Danfoss Vacon 20 VSD ,
Door mounted potentiometer.
110vac control transformer (100VA),
Power On LED indication,
Start/Stop push buttons,
Main Contactor.
2 x Wide range overloads, (see below)
Ventilation fan and filter,
MCB protection for control circuit.
Running/Fault LED indication,
Volt free running signal
Door mounted ammeter for each motor
Ammeter Circuit


| Build ref | Model | | Input Voltage | Output Voltage |
|---|---|---|---|---|
| **104693** | **TQM3KV-0.2-1A /Dual** | | **380/415/3/50/60** | **380/415/3/50/60** |
| | Amperage Range | Dimensions | Weight | |
| | **0.20-1.0** | **600 x 400 x 200** | | |
| Pole | 2 pole | 4 pole | 6 pole | 8 Pole |
| Model | MVSI3/100-S02<br>MVSI3/200-S02<br>MVSI3/300-S02<br>MVSI3/500-S02<br>MVSI3/700-S02<br>MVSI3/800-S02 | MVSI15/35-S02<br>MVSI15/80-S02<br>MVSI15/100-S02<br>MVSI15/200-S02<br>MVSI15/400-S02<br>MVSI15/550-S02<br>MVSI15/700-S02<br>MVSI15/900-S02<br>MVSI15/1100-S02 | MVSI10/40-S02<br>MVSI10/100-S02<br>MVSI10/200-S02<br>MVSI10/310-S02<br>MVSI10/550-S02<br>MVSI10/650-S02 | MVSI075/150-S02<br>MVSI075/250-S02<br>MVSI075/260-S02<br>MVSI075/400-S02<br>MVSI075/530-S02 |
| Build ref | Model | | Input Voltage | Output Voltage |
| **104904** | **TQM3KV-0.18-1A /Dual** | | **230/1/50/60** | **230/3/50/60** |
| | Amperage Range | Dimensions | Weight | |
| | **0.18-1.00** | **600 x 400 x 300** | | |
| Pole | 2 pole | 4 pole | 6 pole | 8 Pole |
| Model | MVSI3/100<br>MVSI3/200 | MVSI15/80<br>MVSI15/80<br>MVSI15/100 | MVSI10/40<br>MVSI10/100 | - |

The MVSI3-100 to MVSI3/800 can be operated at higher speeds than the normal speed of 3000 rpm at 50 Hz and 3600 rpm at 60 Hz using a TQM3KV Dual Vibrator Frequency Convertor Unit. They can also be used to slow the speed of the Vibrator down to 20 Hz.

When increasing the speed the Vibrator would be set up with 25% of the weights, operating at double the speed, it essential to take into account the rating of the bearing to avoid premature failure of the bearing.

MVSI are normally only set up in this manner when used in the Concrete Industry or with Refractory materials.

By reducing the weights to 25% of their normal weight and running at 6000rpm the centrifugal force remains the same as running the Vibrator at 3000 rpm with 100% of their weights, See Leaflet L0014

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VIBRATECHNIQUES LTD
Vibration Solutions

**MVSI3/100,200, 300 .MVSI15/35,80,100,200**
**EXTERNAL VIBRATOR**
**115volt/1phase/50hz, 230volt/1phase/50hz, 380/415volt/3phase /50hz**
**& BRACKETS FOR METAL AND WOODEN FORMWORK**

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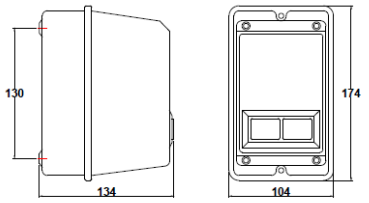
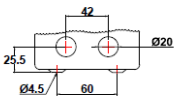
# DIRECT ON LINE STARTERS

# SUITABLE FOR ONE VIBRATOR RUNNIG AT NORMAL SPEED




- DOL Starter to suit one MVSI Vibrator
- Overload fitted
- Large range of compatible overloads available
- Weatherproof IP55
- Pressed steel casing complete with removable lid
- Standard coil voltages: 50/60Hz
- Surface mounting type
- Built in start/stop reset push buttons
- Cable, plugs and cable glands available

**Direct on Line Starters c/w with coil and Overload to IP55**

| Part Number | Specification | Voltage | Overload amps | To suit |
|---|---|---|---|---|
| 046727 .100 | 3DL1ADS/10 | 115/1/50 | 0.63-1.00 | MVSI 3/200 |
| 046727 .160 | 3DL1AES/10 | 115/1/50 | 1.00-1.60 | MVSI3/300 |
| 046727 .250 | 3DL1AFS/10 | 115/1/50 | 1.60-2.50 | MVSI3/500 |
| 046728.063 | 3DL1CBS/10 | 230/1/50 | 0.40-0.63 | MVSI5/35, MVSI5/80, MVSI5/100 |
| 046728.100 | 3DL1CDS/10 | 230/1/50 | 0.63-1.00 | MVSI3/100, MVSI3/200 |
| 046728.160 | 3DL1CES/10 | 230/1/50 | 1.00-1.60 | MVSI3/300, MVSI5/200, MVSI5/400 |
| 046728.250 | 3DL1CFS/10 | 230/1/50 | 1.60-2.50 | MVSI3/500, MVSI3/700, MVSI5/700 |
| 046728.400 | 3DL1CGS/10 | 230/1/50 | 2.50-4.00 | MVSI3/800 |
| 046729.025 | 3DL1EXS | 415/3/50 | 0.16-0.25 | MVSI5/35, MVSI5/80, MVSI5/100 |
| 046729.040 | 3DL1EAS | 415/3/50 | 0.25-0.40 | MVSI3/100, MVSI3/200 |
| 046729.063 | 3DL1EBS | 415/3/50 | 0.40-0.63 | MVSI3/300, MVSI5/200, MVSI5/400, MVSI550 |
| 046729.100 | 3DL1EDS | 415/3/50 | 0.63-1.00 | MVSI3/500, MVSI3/700, MVSI5/700, MVSI5/900, MVSI5/1110 |
| 046729.160 | 3DL1EES | 415/3/50 | 1.00-1.60 | MVSI3/800, MVSI5/1410, |
| 046729.250 | 3DL1EFS | 415/3/50 | 1.60-2.50 | MVSI3/1100, MVSI3/1300, MVSI3/1500, MVSI3/1600, MVSI5/1710 |
| 046729.400 | 3DL1EGS | 415/3/50 | 2.50-4.00 | MVSI3/1800 |

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**MVSI3/100,200, 300 .MVSI15/35,80,100,200**
**EXTERNAL VIBRATOR**
**115volt/1phase/50hz, 230volt/1phase/50hz, 380/415volt/3phase /50hz**
**& BRACKETS FOR METAL AND WOODEN FORMWORK**

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# ODE VARIABLE SPEED CONTROLLER

# SUITABLE FOR ONE VIBRATOR RUNNIG AT VARAIBLE SPEED

- Enables the speed of single electric rotary vibrator to be regulated
- Enables centrifugal force to be regulated
- Variable frequency and voltage
- Simple programming
- Field Bus communication options
- Power ratings from 0.37kW— 4kW for either 1Ph or 3Ph input
- The inverter is housed in a rugged IP55 enclosure - wall mounting
- Rated for high 50°C ambient

| **SPECIFICATION** | | | | | |
|---|---|---|---|---|---|
| **ODE 110-115Volt 1Ph input 220/3Phase 50/60Hertz output without EMC Filter** | | | | | |
| Part Number | ODE 0.37 11 | ODE O.75 | ODE 02.2 | | |
| Specification | 110023 | 110043 | 210058 | | |
| Input Voltage | 115/1/50 | 115/1/50 | 115/1/50 | | |
| Output Voltage | 200/240/3/50 | 200/240/3/50 | 200/240/3/50 | | |
| Motor Power (kW) | 0.37 | 0.75 | 1.1 | | |
| Output Current (A) | 2.3 | 4.3 | 5.8 | | |
| **ODE 200-240V 1Ph input 3Ph output with integral EMC Filter** | | | | | |
| Part Number | ODE 0.37 | ODE O.75 | ODE1.5 | ODE2.2 | |
| Specification | 120023 | 120043 | 120070 | 220105 | |
| Input Voltage | 230/1/50 | 230/1/50 | 230/1/50 | 230/1/50 | |
| Output Voltage | 200/240/3/50 | 200/240/3/50 | 200/240/3/50 | 200/240/3/50 | |
| Motor Power (kW) | 0.37 | 0.75 | 1.5 | 2.2 | |
| Output Current (A) | 2.3 | 4.3 | 7 | 10.5 | |
| **ODE 380-480V 3Ph input 3Ph output with integral EMC Filter** | | | | | Without EMC Filter |
| Part Number | ODE O.75 3PH | ODE1.5 3PH | ODE2.2 3PH | ODE4.0 3PH | ODE4.0 3PH/W |
| Specification | 140022 | 240041 | 240058 | 240095 | 320153 |
| Input Voltage | 380/415/3/50 | 380/415/3/50 | 380/415/3/50 | 380/415/3/50 | 380/415/3/50 |
| Output Voltage | 380/415/3/50 | 380/415/3/50 | 380/415/3/50 | 380/415/3/50 | 380/415/3/50 |
| Motor Power (kW) | 0.75 | 1.5 | 2.2 | 4.0 | 4.0 |
| Output Current (A) | 2.2 | 4.1 | 5.8 | 9.5 | 15.3 |

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**EXTERNAL VIBRATOR**
**115volt/1phase/50hz, 230volt/1phase/50hz, 380/415volt/3phase /50hz**
**& BRACKETS FOR METAL AND WOODEN FORMWORK**

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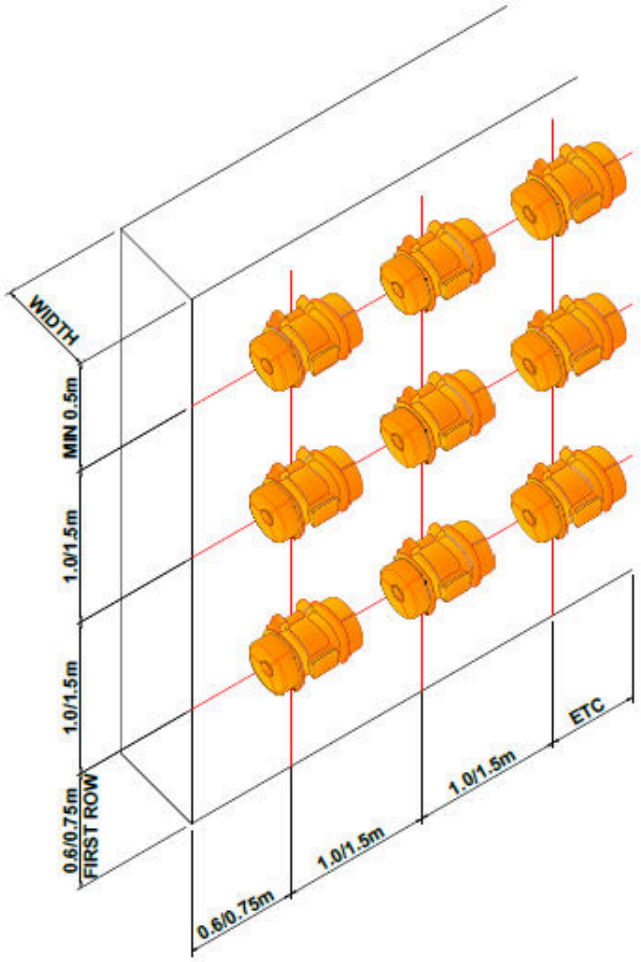
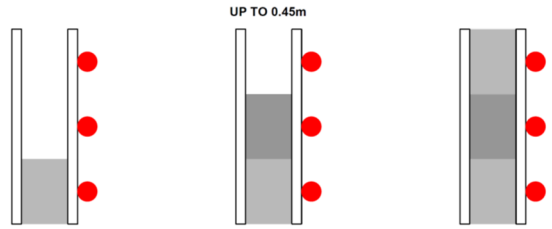
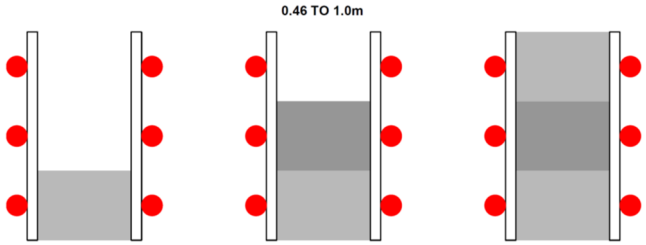
# SPACING GUIDE FOR VIBRATORS

## WITH CENTRIFUGAL FORCE OF 800 TO 1400KG (7.84 to 13.72 KN)

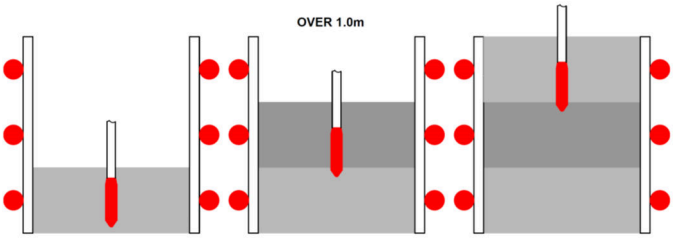



Mould width up to 0.45mtr-Vibrate from one side only




Mould width 0.46-1.0mtr-Vibrate from both sides




Mould width over 1 mtr Vibrate from both side, use poker in centre section

Planning the consolidation of concrete should be carried out by skilled personnel in conjunction with site engineers, it essential that the correct formwork and vibrators are use. Factors to take into account must include size of component, rate of concrete delivery, number of times vibrators to be moved. External Vibrators have approximately 50cm depth of penetration so on thicker section they must be used in conjunction with internal vibrators. Concrete pouring takes place in layers, so the vibrators should be mounted in horizontal rows approximately 1.0/1.5 metres apart. A sample pour is always recommended, to test results.

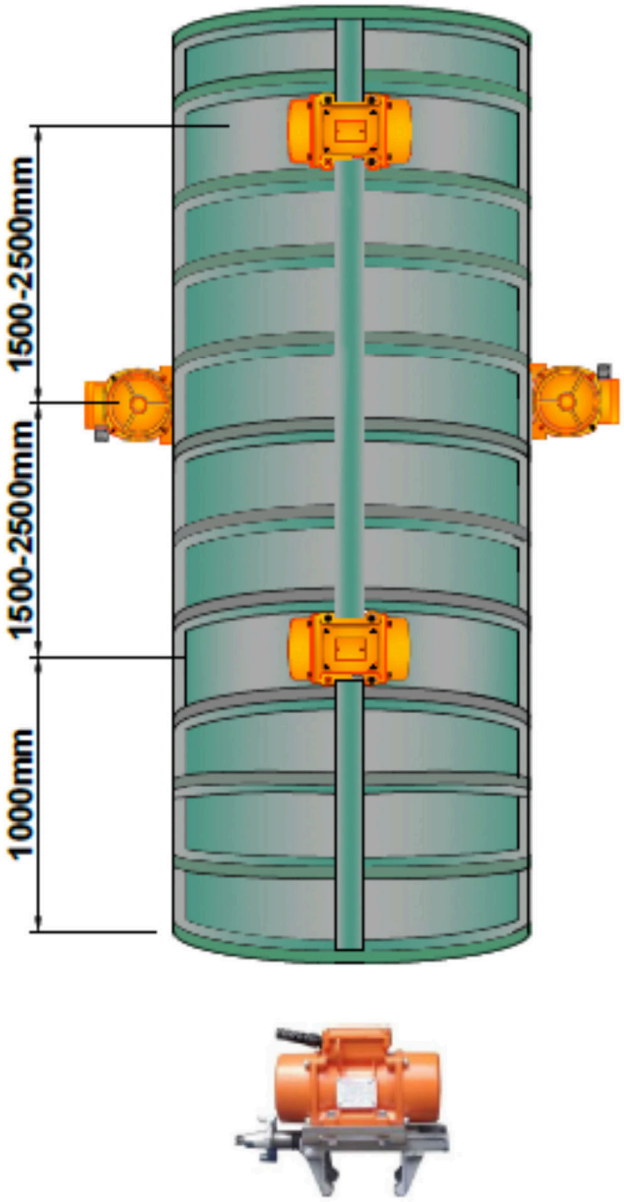
When pouring the concrete this is carried out in layers, the vibration is carried out on each layer until bubbles cease to rise to the surface, then the vibrator can be moved to the next row and the process repeated.

**Important**

**This information is for basic guidance many factors will have effects on spacing and vibrators used, the final set up must be decided in conjunction with planners and site engineers.**

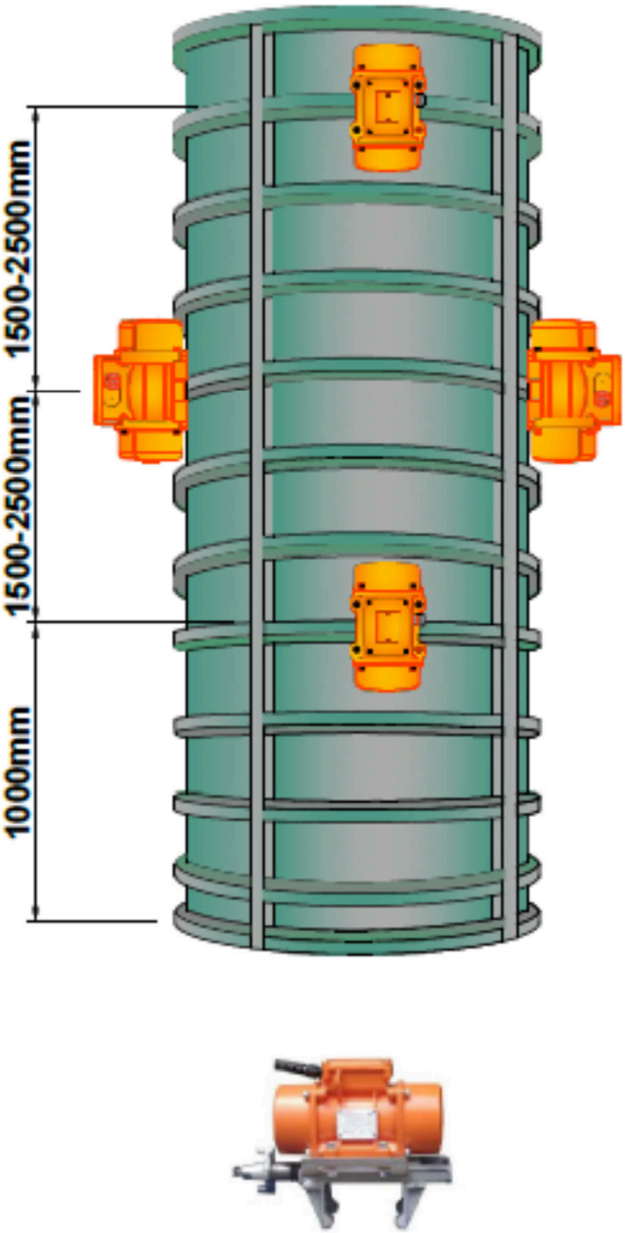
# SPACING GUIDE FOR VIBRATORS

## WITH CENTRIFUGAL FORCE OF 800 TO 1400KG (7.84 to 13.72 KN)






Preferred Mounting Position






**This postion may cause damage to Mould/Beam**

**Important**

**The information and advice have been established following real applications however Vibratechniques Ltd and Italvibras SPA cannot accept any responsibility or liability for a particular project. Varying circumstances and materials can influence the structure when vibrated, a test pour is essential.**

**This information is for basic guidance many factors will have effects on spacing and vibrators used, the final set up must be decided in conjunction with planners and site engineers.**