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Technical Data Sheet

Vibraglide Sliptable
TDS-4

General:
- Compatible with any customer selected shaker

- Installation and alignment is not included in the quotation. Note that M/RAD has several hundred sliptables in the field. Installation and alignment are an easy process and, generally, is not necessary.

Steel Support Base:
- The M/RAD steel support base is a steel frame on jack screws which houses the granite and oil system/ reservoir. The external dimensions of the base are 0.25 inches larger than the granite block. On one side of the base is the oil resevoir that will protrude approximately another 4 inches.

- M/RAD does not require a steel rebar/concrete filled base. M/RAD will supply a granite block whose thickness will allow the slipplate and drive bar to mate with the selected shaker. This substantial granite base assures a firm foundation for the test and represents substantial resistance to overturning moments.

- An approximate 1-inch deep oil-collecting gutter around the perimeter of the granite is supplied with the sliptable. The oil returns to the resevoir through this trough.

- Steel leveling jacking screws shall provide +/- 3-inch vertical adjustment. QTY 3 are supplied to provide three point leveling. Jackscrews shall be of a bolt on design to allow for servicing.

- As there is no moat supplied or required with the M/RAD sliptable, there shall be no rubber or vinyl molding supplied,

Granite/Oil Pump Assembly:
- The granite external dimensions shall be approximately 4 inches larger than the slipplate work surface by the required thickness to match the selected shaker.

- The granite shall be precision ground to tool room grade.

- The granite shall be natural granite.

- The granite shall be fixed to the steel support frame by QTY 8 counterbored holes within the granite.

- The granite shall be drilled and ported to allow oil flow through the granite from the oil reservoir.

- The granite shall include lifting inserts drilled and epoxied into position (for servicing table assembly).

- The oil pump shall provide sufficient pressure to provide continuous duty oil flow to the slipplate.

- The oil pump power requirements: 120V, 1 phase, 60 Hz

- The oil pump shall be mounted flat to the underside of the steel base frame.

- The oil pump plumbing is fixed to a 300 psi rated hose, which is attached to steel tubing running up the center of the granite.

- Oil shall not be fed through the slipplate. No hoses or tubes shall run to the plate.

- The oil pump shall have a 5-micron filter on the output side.

Slipplate:
- The slipplate shall attach to the shaker with an in-line attachment for maximum transmissibility. An angled bolting method shall not be used as this approach may comprimise transmissibility integrity. Instead, the bolting method will be hardware mounted in compression. No through slots or through holes will be supplied from the top to bottom surfaces of the slipplate that would weaken the slipplate in any manner.

- The slipplate shall be manufactured from AZ31B magnesium tool plate

- The slipplate dimensions shall be as required to provide full coverage of the granite.

- The slipplate shall be flat within .003 inch and parallel with .010 inch with a surface finish of 32 micro-inches.

- The slipplate shall have inserts in the pattern as specified.

- The granite side of the slipplate shall incorporate an oil routing pattern (plenum) that allows for oil distribution.

- The oil reservoir shall be located on the side of the steel base frame. The center of the oil routing pattern shall be located above the center of the granite where the oil flow is located.