



Type A-S

Seismic Integral Structural Steel Bases

Integral Structural Steel Bases shall be rectangular in shape. Rectangular bases are preferred for all equipment. Centrifugal refrigeration machines and pump bases may be T or L shaped where space is a problem. Pump bases for split case and end suction pumps shall include supports for suction and discharge elbows. All perimeter members shall be structural steel beams with a minimum depth equal to 1/12 of the longest dimension between isolators. Base depth need not exceed 12" provided that the deflection and misalignment is kept within acceptable limits as determined by the manufacturer. Height saving brackets shall be employed at all isolator locations to provide a minimum base clearance of 2".

Restrained spring isolators shall have a Type 3S Spring Isolator within a rigid housing that includes vertical limit stops to prevent spring extension if weight is removed. The housing shall serve as blocking during erection. A maximum clearance of 1/4" shall be maintained around restraining bolts and internal elastomeric deceleration bushings. Limit stops shall be out of contact during normal operation. If housings are to be bolted or welded in position there must be an internal isolation pad or elastomeric cup. Housing shall be designed to resist all seismic forces.

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