

Models BL-250/BL-250-GR Blast Protection Damper Installation Instructions

Concrete Support Structure

- HILTI HDA-P M10 undercut anchors are the specified anchor for attachment of blast damper to concrete. Unless otherwise directed by MAT, equivalent anchors from other suppliers may also be used.
- Attachment to be made on the blast protection side.
- Concrete substrates may vary widely from engineering specifications; Site specific engineering may be required.
- Drill holes with rotary impact hammer drills using carbide-tipped bits, hollow drill bit system, or core drills using diamond core bits. Drill bits shall be of diameters as specified by the anchor manufacturer. Unless otherwise shown on the Drawings, all holes shall be drilled perpendicular to the concrete surface.
- Cored Holes: Where anchors are permitted to be installed in cored holes, use core bits with matched tolerances as specified by the anchor manufacturer. Properly clean cored hole per anchor manufacturer's instructions.
- Embedded Items: Identify position of reinforcing steel and other embedded items prior to drilling holes for anchors. Exercise care in coring or drilling to avoid damaging existing reinforcing or embedded items. Notify the engineer if reinforcing steel or other embedded items are encountered during drilling. Take precautions as necessary to avoid damaging pre-stressing tendons, electrical and telecommunications conduit, and gas lines.
- Base Material Strength: Unless otherwise specified, do not drill holes in concrete or masonry until concrete, mortar, or grout has achieved full design strength.
- Perform anchor installation in accordance with anchor manufacturer instructions. HILTI HDA-P M10 anchors shall be installed to HILTI specifications detailed in HILTI document #401674 A5-08.2015
- Undercut Anchors: Protect threads from damage during anchor installation. Heavy-duty sleeve anchors shall be installed with sleeve fully engaged in part to be fastened. Set anchors to anchor manufacturer's recommended torque, using a torque wrench. If using HILTI HDA-P M10 anchors - Following attainment of 10% of the specified torque, 100% of the specified torque shall be reached within 7 or fewer complete turns of the nut. If the specified torque is not achieved within the required number of turns, the anchor shall be removed and replaced unless otherwise directed by the Engineer.
- Dampers are manufactured to order for a specified wall opening, care must be taken that critical dimensional constraints for expansion anchors in concrete exist and may be violated by placing the damper into a wall opening size not specified in approved drawings.
- Where applicable use a template to position and drill anchor holes.

Masonry Wall

