



| ZINC ALLOY HAMMER DRIVE ANCHORS |                        |               |       |           |       |                  |                       |              |                      | FF-S-325, Group V,<br>Type 2, Class 3 |                    |              |
|---------------------------------|------------------------|---------------|-------|-----------|-------|------------------|-----------------------|--------------|----------------------|---------------------------------------|--------------------|--------------|
| Anchor Size                     | Fixture Clearance Hole | H1            | W1    | H2        | W2    | Performance Data |                       |              |                      |                                       |                    |              |
|                                 |                        | Mushroom Head |       | Flat Head |       | Embedment Depth  | In 4000 psi. Concrete |              | In C-90 Hollow Block |                                       | In Solid Red Brick |              |
|                                 |                        | Height        | Width | Height    | Width |                  | Tensile (lbs.)        | Shear (lbs.) | Tensile (lbs.)       | Shear (lbs.)                          | Tensile (lbs.)     | Shear (lbs.) |
|                                 |                        | Ref           | Ref   | Ref       | Ref   |                  |                       |              |                      |                                       |                    |              |
| 3/16                            | 1/4                    | 7/64          | 13/32 | -         | -     | 3/4              | 500                   | 1000         | 270                  | 860                                   | 460                | 920          |
| 1/4                             | 5/16                   | 9/64          | 35/64 | 3/16      | 35/64 | 5/8              | 600                   | 1500         | 360                  | 1040                                  | 570                | 1250         |
|                                 |                        |               |       |           |       | 3/4              | 720                   | 1500         | 480                  | 1160                                  | 790                | 1400         |
|                                 |                        |               |       |           |       | 1                | 820                   | 1500         | 590                  | 1320                                  | 820                | 1400         |
|                                 |                        |               |       |           |       | 1 3/8            | 1150                  | 1500         | 800                  | 1320                                  | 950                | 1400         |
|                                 |                        |               |       |           |       | 1 1/2            | 1300                  | 1500         | 965                  | 1320                                  | 1015               | 1400         |

\*Recommended safe working load is one-fourth of the proof test load.

|                                |  |   |
|--------------------------------|--|---|
| <b>Description</b>             | A two-piece fastener consisting of a tubular stem with a dome or flat-fillister shaped head and a nail which is driven through the hollow center of the stem of the anchor. The stem is slit longitudinally on opposite sides from the bottom of the shank to the place where the point of the nail extends into the stem. |   |
| <b>Applications/Advantages</b> | Hammer drives are considered to be light-duty anchors. They are designed for attaching termination bar to solid concrete, solid brick, block or masonry walls. Its advantages include ease of installation, its immediate loading capabilities and the tamper-resistant nature of the finished assembly.                   |   |
| <b>Material</b>                | <i>Steel/Zamac</i>   |   |
|                                | <b>Anchor:</b> Zinc Alloy<br><b>Pin:</b> AISI 1018 or equivalent carbon steel  | <b>Anchor:</b> Zinc Alloy<br><b>Pin:</b> Type 304 stainless steel       |
| <b>Proof Load</b>              | Hammer drive anchors shall not be removable when set in concrete of 3000 psi compressive strength and subjected to the test loads in an axial direction, as specified in the above table. The masonry shall show no evidence of failure attributable to the anchor.  |   |
| <b>Plating</b>                 | Pins of steel hammer drive anchors are commonly supplied with a zinc plating.  | Stainless hammer drive anchors do not have additional coatings applied. |