**NORMAL WEIGHT CONCRETE**

**NOTE**: CUSTOMERS ARE RESPONSIBLE FOR THE FOLLOWING:

1. **ASSURANCE THAT SUMMIT ANCHOR PRODUCTS ARE ATTACHED TO ADEQUATE AND COMPATIBLE STRUCTURE.**
2. **WHEN INSTALLED PROPERLY, SUMMIT ANCHOR STANDARD PRODUCTS ARE DESIGNED TO SUPPORT LOADS AS FOLLOWS:**
   - a) 1,250 LB. WORKING LOAD LIMIT (ALLOWABLE LOAD)
   - b) 2,500 LB. PROOF LOAD (TEST LOAD WITHOUT PERMANENT DEFORMATION)
   - c) 5,000 LB. ULTIMATE LOAD
3. **THE UNDERSTANDING THAT ANCHORS MAY FAIL DUE TO IMPROPER INSTALLATION OR INADEQUATE SUPPORTING STRUCTURE.**
4. **SERIOUS INJURY OR DEATH MAY RESULT FROM INADEQUATE SUPPORTING STRUCTURE.**
5. **EQUIPMENT IS ANALYZED FOR STATED LOADS ONLY. INTENDED USE, SUPERVISION OF A PROFESSIONAL ENGINEER IS REQUIRED.**
6. **ENGINEER IS RESPONSIBLE FOR STATED LOADS ONLY - INCREASED LOADS OF EQUIPMENT IS OUT OF THIS SCOP.**

**SM-1: FORGED PAD EYE, QUENCHED AND TEMPERED. ENTIRE ANCHOR HOT-DIP GALVANIZED AFTER FABRICATION.**

**{Ps}**

**HSS TUBE: HEIGHT AND DIAMETER SIZE AS REQUIRED FOR APPLICATION.**

**SM-FOM: OPTIONAL MOLDED URETHANE INSULATION REDUCES THERMAL TRANSFER AND CONDENSATION, COMMONLY USED IN GREEN CONSTRUCTION.**

**SM-KB TZ - 3/8” x 5”: ITEM #3437372: KWIK BOLT TZ CARBON STEEL EXPANSION ANCHOR ASSEMBLY:**

- a) 304 STAINLESS STEEL HEAVY HEX NUT
- b) F 436 HARDENER GALVANIZED FLAT WASHER
- c) 18-8 STAINLESS STEEL LOCK WASHER

**SUMMIT STANDARD - NORMAL WEIGHT CONCRETE**

**Table 1 - HSS RWIK Bolt TZ carbon steel specifications**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TUBE LENGTH (T)</th>
<th>TUBE Ø (Ø)</th>
<th>BASE PLATE (MIN)</th>
<th>HOLE WORK (MIN)</th>
<th>THICK VERTICAL NOSE (MIN)</th>
<th>MIN. EFFECTIVE DEPTH</th>
<th>MIN. RESIST. DISTANCE</th>
<th>HILTI KWIK BOLT MODEL NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM-1-18-3-34X60-VW 10</td>
<td>3-3/4&quot;</td>
<td>3-3/4&quot;</td>
<td>2&quot;</td>
<td>3/4&quot;</td>
<td>1/2&quot;</td>
<td>2&quot;</td>
<td>500</td>
<td>10&quot;</td>
</tr>
</tbody>
</table>

**SUMMIT MODEL #: SM-1 ROOF ANCHOR**

**SUMMIT ROOF ANCHOR: FOR CONCRETE SLAB**

**NOTE** - CUSTOMER IS RESPONSIBLE FOR THE FOLLOWING: