

Submittal Record

Job: _____

Location: _____

Submitted To: _____

Submittal Prepared By: _____

Approved By: _____

Date: _____



Insulation Fasteners Specification Form

Hardcast offers a variety of air duct insulation fasteners manufactured and tested to ensure quality and consistency. Each pin is accurately centered on the head, providing smooth tracking with any automatic pin spotter. Hardcast has a unique plating process which creates fasteners that are resistant to rust and mold. All fasteners are punched and have the pins inserted prior to plating, leaving the edges completely sealed. Hardcast fasteners are SMACNA HVAC Duct Construction compliant.



Weld-Ons™ - Flat Head

| Part# | Product Description | Qty. | Grip Length | Features |
|---------------------------------|--------------------------------------|--------------|-------------|--|
| <input type="checkbox"/> 308134 | WELD-ONS FLAT 1/2" 1,000 (FWT-50) | 1,000/Bucket | .500" | <ul style="list-style-type: none"> • Consistently sharp points to ensure positive contact • Carbon alloy steel hardened in a unique cold form process • Point will not blunt or flatten when applied • Easily applied with portable or automatic resistance welder • Tracks smoothly on automatic pin spotter |
| <input type="checkbox"/> 308135 | WELD-ONS FLAT 3/4" 1,000 (FWT-75) | 1,000/Bucket | .700" | |
| <input type="checkbox"/> 308136 | WELD-ONS FLAT 1" 1,000 (FWT-100) | 1,000/Bucket | .940" | |
| <input type="checkbox"/> 308137 | WELD-ONS FLAT 1 1/8" 1,000 (FWT-118) | 1,000/Bucket | 1.125" | |
| <input type="checkbox"/> 308138 | WELD-ONS FLAT 1 1/4" 1,000 (FWT-125) | 1,000/Bucket | 1.25" | |
| <input type="checkbox"/> 308139 | WELD-ONS FLAT 1 1/2" 1,000 (FWT-150) | 1,000/Bucket | 1.500" | |
| <input type="checkbox"/> 304972 | WELD-ONS FLAT 2" 1,000 (FWT-200) | 1,000/Bucket | 2.00" | |
| <input type="checkbox"/> 308141 | WELD-ONS FLAT 1/2" 5,000 (FWB-50) | 5,000/Bucket | .500" | |
| <input type="checkbox"/> 308142 | WELD-ONS FLAT 3/4" 5,000 (FWB-75) | 5,000/Bucket | .700" | |
| <input type="checkbox"/> 308143 | WELD-ONS FLAT 1" 5,000 (FWB-100) | 5,000/Bucket | .940" | |
| <input type="checkbox"/> 308144 | WELD-ONS FLAT 1 1/8" 5,000 (FWB-118) | 5,000/Bucket | 1.125" | |
| <input type="checkbox"/> 308145 | WELD-ONS FLAT 1 1/4" 4,000 (FWB-125) | 4,000/Bucket | 1.25" | |
| <input type="checkbox"/> 307097 | WELD-ONS FLAT 1 1/2" 3,000 (FWB-150) | 3,000/Bucket | 1.500" | |
| <input type="checkbox"/> 304973 | WELD-ONS FLAT 2" 3,000 (FWB-200) | 3,000/Bucket | 2.00" | |



Weld-Ons™ - Cup Head

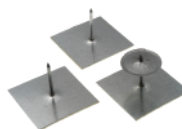
| Part# | Product Description | Qty. | Grip Length | Features |
|---------------------------------|-------------------------------------|--------------|-------------|--|
| <input type="checkbox"/> 308111 | WELD-ONS CUP 1/2" 1,000 (DWT-50) | 1,000/Bucket | .500" | <ul style="list-style-type: none"> • Consistently sharp points to ensure positive contact • Carbon alloy steel hardened in a unique cold form process • Point will not blunt or flatten when applied • Easily applied with portable or automatic resistance welder • Tracks smoothly on automatic pin spotter • Cup style depresses insulation surface without tearing |
| <input type="checkbox"/> 308112 | WELD-ONS CUP 3/4" 1,000 (DWT-75) | 1,000/Bucket | .700" | |
| <input type="checkbox"/> 308113 | WELD-ONS CUP 1" 1,000 (DWT-100) | 1,000/Bucket | .940" | |
| <input type="checkbox"/> 308114 | WELD-ONS CUP 1 1/8" 1,000 (DWT-118) | 1,000/Bucket | 1.125" | |
| <input type="checkbox"/> 308115 | WELD-ONS CUP 1 1/4" 1,000 (DWT-125) | 1,000/Bucket | 1.25" | |
| <input type="checkbox"/> 308116 | WELD-ONS CUP 1 1/2" 1,000 (DWT-150) | 1,000/Bucket | 1.500" | |
| <input type="checkbox"/> 308119 | WELD-ONS CUP 1/2" 5,000 (DWB-50) | 5,000/Bucket | 500" | |
| <input type="checkbox"/> 308120 | WELD-ONS CUP 3/4" 5,000 (DWB-75) | 5,000/Bucket | .700" | |
| <input type="checkbox"/> 308121 | WELD-ONS CUP 1" 5,000 (DWB-100) | 5,000/Bucket | .940" | |
| <input type="checkbox"/> 308122 | WELD-ONS CUP 1 1/8" 4,000 (DWB-118) | 4,000/Bucket | 1.125" | |
| <input type="checkbox"/> 308123 | WELD-ONS CUP 1 1/4" 4,000 (DWB-125) | 4,000/Bucket | 1.25" | |
| <input type="checkbox"/> 307099 | WELD-ONS CUP 1 1/2" 3,000 (DWB-150) | 3,000/Bucket | 1.500" | |

Grip-Ons™ - Gripping Fasteners



| Part# | Product Description | Qty. | Grip Length | Insulation | Features |
|---------------------------------|-----------------------------|--------------|-------------|------------|--|
| <input type="checkbox"/> 308239 | GRIP-ON'S 1/2" (GOT-50) | 1,000/Bucket | .500" | 2 lb. | <ul style="list-style-type: none"> • Double claw nail tips • Available in thousand and bulk packaging • Available in six different lengths • Double headed magnetic hammer available • Eye protection must be worn while using this product |
| <input type="checkbox"/> 308235 | GRIP-ON'S 1" (GOT-100LD) | 1,000/Bucket | .650" | 1.5 lb. | |
| <input type="checkbox"/> 308236 | GRIP-ON'S 1" (GOT-100MD) | 1,000/Bucket | .750" | 3 lb. | |
| <input type="checkbox"/> 308234 | GRIP-ON'S 1" HD (GOT-100HD) | 1,000/Bucket | .900" | 6-8 lb. | |
| <input type="checkbox"/> 308237 | GRIP-ON'S 1 1/2" (GOT-125) | 1,000/Bucket | 1.250" | 1.5 lb. | |
| <input type="checkbox"/> 308238 | GRIP-ON'S 2" (GOT-200) | 1,000/Bucket | 1.500" | 1.5-2 lb. | |
| <input type="checkbox"/> 308233 | GRIP-ON'S 1/2" (GOB-50) | 5,000/Bucket | .500" | 2 lb. | |
| <input type="checkbox"/> 308229 | GRIP-ON'S 1" (GOB-100LD) | 5,000/Bucket | .650" | 1.5 lb. | |
| <input type="checkbox"/> 308230 | GRIP-ON'S 1" (GOB-100MD) | 5,000/Bucket | .750" | 3 lb. | |
| <input type="checkbox"/> 308228 | GRIP-ON'S 1" HD (GOB-100HD) | 5,000/Bucket | .900" | 6-8 lb. | |
| <input type="checkbox"/> 308231 | GRIP-ON'S 1 1/2" (GOB-125) | 4,000/Bucket | 1.250" | 1.5 lb. | |
| <input type="checkbox"/> 308232 | GRIP-ON'S 2" (GOB-150) | 3,000/Bucket | 1.500" | 1.5-2 lb. | |

Stick-Ons™ - Self Adhering Insulation Fasteners with Clips



| Part# | Product Description | Qty. | Max. Grip Length | Features | |
|---------------------------------|---------------------------------|------------|------------------|---|---|
| <input type="checkbox"/> 308161 | STIK-ONS 3/4" 100 (SKC-75) | 100/Case | 3/4" | <ul style="list-style-type: none"> • 14 gauge steel pins • Permanently staked • 2" x 2" galvanized steel base plates • Pressure-sensitive backing provides permanent bond • Clips included | |
| <input type="checkbox"/> 308162 | STIK-ONS 1 1/4" 100 (SKC-125) | 100/Case | 1 1/4" | | |
| <input type="checkbox"/> 308163 | STIK-ONS 1 3/4" 100 (SKC-175) | 100/Case | 1 3/4" | | |
| <input type="checkbox"/> 308164 | STIK-ONS 2" 100 (SKC-200) | 100/Case | 2" | | |
| <input type="checkbox"/> 308165 | STIK-ONS 2 1/2" 100 (SKC-250) | 100/Case | 2 1/2" | | |
| <input type="checkbox"/> 308166 | STIK-ONS 3/4" 1,000 (SKM-75) | 1,000/Case | 3/4" | | Technical Data |
| <input type="checkbox"/> 308167 | STIK-ONS 1 1/4" 1,000 (SKM-125) | 1,000/Case | 1 1/4" | | Temperature Range: -30°F (-35°C) - 180°F (82°C) |
| <input type="checkbox"/> 308168 | STIK-ONS 1 3/4" 1,000 (SKM-175) | 1,000/Case | 1 3/4" | | Application Temperature: Above 40°F (4°C) |
| <input type="checkbox"/> 308169 | STIK-ONS 2" 1,000 (SKM-200) | 1,000/Case | 2" | | Holding Power: 3 lbs. per unit |
| <input type="checkbox"/> 308170 | STIK-ONS 2 1/2" 1,000 (SKM-250) | 1,000/Case | 1/2" | | Approximate Shelf Life: 2 years @ 70°F (21°C) |

Spot-Ons™ - Pins and Clips (sold separately)



Pins



Clips



Pin Shown with Clip

| Part# | Product Description | Qty. | Max. Grip Length | Features |
|---------------------------------|--|------------|------------------|--|
| <input type="checkbox"/> 308103 | SPOT-ONS PINS 3/4" 1,000 (DST-75) | 1,000/Case | 3/4" | <ul style="list-style-type: none"> • Insulation blanket or board to sheet metal • Ring shanked pins, made of 14 gauge low carbon steel, annealed and zinc-plated • Apply using any portable or stationary resistance welding unit with hollow magnetic tip • Available in four lengths from 1/2" - 2-1/2" thick insulation • Holds any board or blanket insulation in place |
| <input type="checkbox"/> 308105 | SPOT-ONS PINS 1 1/4" 1,000 (DST-125) | 1,000/Case | 1 1/4" | |
| <input type="checkbox"/> 308107 | SPOT-ONS PINS 2" 1,000 (DST-200) | 1,000/Case | 2" | |
| <input type="checkbox"/> 308109 | SPOT-ONS PINS 2 1/2" 1,000 (DST-250) | 1,000/Case | 2 1/2" | |
| <input type="checkbox"/> 308104 | SPOT-ONS PINS 3/4" 5,000 (DSB-75) | 5,000/Case | 3/4" | |
| <input type="checkbox"/> 308106 | SPOT-ONS PINS 1 1/4" 5,000 (DSB-125) | 5,000/Case | 1 1/4" | |
| <input type="checkbox"/> 308108 | SPOT-ONS PINS 2" 5,000 (DSB-200) | 5,000/Case | 2" | |
| <input type="checkbox"/> 308110 | SPOT-ONS PINS 2 1/2" 5,000 (DSB-250) | 5,000/Case | 2 1/2" | |
| <input type="checkbox"/> 308325 | SPOT-ONS CLIPS ALL THICKNESSES 1,000 (DCT-100) | 1,000/Case | N/A | |
| <input type="checkbox"/> 308327 | SPOT-ONS CLIPS ALL THICKNESSES 5,000 (DCB-100) | 5,000/Case | N/A | |