

# Dura-Post® Surface Mount Base Placement Using Coupling Nut Anchors

## TOOLS & MATERIALS

- Rotary hammer drill
- 3/4" masonry bit
- 3/8" x 2 1/2" to 4" Bolt (2)
- Pipe brush for Ø3/4" hole
- 9/16" socket wrench or box end wrench
- Hilti HIT-HY 200-R adhesive grout and dispensing gun
- Safe-Hit 3/8" X 1-3/4" Coupling Nut hardware kit
- Hammer
- 3/8" masonry bit
- Compressed air
- 9/16" open end wrench

**FOLLOW ALL SAFETY PRECAUTIONS AS DESCRIBED IN THE EQUIPMENT OWNERS MANUAL**



**Step 1:** Position the base so the arrow is pointing towards oncoming traffic. Using the base as a template, drill Ø3/8" starter holes approximately 1" deep. After the first hole is drilled, place Ø3/8" bolt in the hole to help prevent the base from moving while drilling the next hole. Repeat drilling process for third hole.

**Step 2:** Remove the base and drill Ø3/4" holes to a depth of 4-1/2" (+1/4", -0").



**Step 3:** Clean the holes using the pipe brush and compressed air. Ensure the holes are free of debris and moisture. Remove all dust and debris from the base site.

**Consult OSHA respiratory standards for crystalline silica exposure.**

**IT IS THE RESPONSIBILITY OF THE INSTALLER TO MAINTAIN A SAFE WORK AREA INCLUDING THE USE OF STANDARD WORK ZONE SAFETY EQUIPMENT & PPE: GLOVES, SAFETY-TOE SHOES, EYE & EAR PROTECTION**



**Step 4:** Assemble the screws and anchors onto the base and tighten with wrenches.



**Step 5:** Dispense grout into the holes. Starting with the dispensing tube at the bottom of the hole, work the dispensing tube tip up until the hole is filled to about 1/4" below grade. Place the assembled base in the holes filled with grout. Ensure the base is set firmly to the ground and not disturbed until the grout is fully cured.

Hilti HIT-HY 200-R  
Cure Times

[°C]	[°F]	HAS HIS-N Rebar	
		t <sub>work</sub>	t <sub>cure</sub>
-10...-5	14...23	3 h	20 h
-4...0	24...32	2 h	8 h
1...5	33...41	1 h	4 h
6...10	42...50	40 min	2.5 h
11...20	51...68	15 min	1.5 h
21...30	69...86	9 min	1 h
31...40	87...104	6 min	1 h

**Step 6:** Allow the grout to cure before placing the delineator into service.



**Step 7:** Place the Dura-Post into the base socket and install the securing pin.