FLEXCORE GUARDRAIL + ULTRA

INSTALLATION INSTRUCTIONS

Components (varies by installation)

- GR-C-ENDBRK
- GR-C-MIDBRK
- GR-C-CNRBRK
- HW-C-SKL
- GR-C-CBL-10 102.75"

Tools Required

- Tape Measure
- Marker
- Chalk Line
- Rotary Hammer
- Masonry Drill Bit 5/8" [16mm] 1" [25mm]
- Corded Drill
- 15/16" Socket & Extension
- 7/32" Hex Key
- Drill with 7/32" Hex Bit
Modular Product

This is a modular Guardrail System and each installation requires its own custom layout. Please read entire installation instructions before beginning your installation. If you require additional information, please contact McCue Customer Care for assistance.

Template Instructions

Use the included template to accurately mark hole locations for drilling. Steps that require the template will be labeled the template icon.

Flange Hole Mark
φ 1" [25mm] Drill Bit

6.00in [152mm]
Center to Flange

Anchor Hole Mark
φ 5/8" [16mm] Drill Bit

1.50in [38mm]
Center to Anchor

Center

Anchor Hole Mark
φ 5/8" [16mm] Drill Bit

Flange Hole Mark
φ 1" [25mm] Drill Bit

Alignment Marks
1. **Attention:** If section is less than 10' center to center, see cutting instructions

   ![Template & Tape Measure](image)

   ![Chalk Line](image)

   Use template for this step

2. **Attention:** Make sure the barrier hole and flange markings line up properly

3. **END POST TOP VIEW**
   - 1" Diameter Flange Hole
   - 6.8" Diameter Anchor Hole
   - 5/8" Diameter Anchor Hole

   ![Rotary Hammer with 1" & 5/8" Drill Bits](image)

**MID POST TOP VIEW**
   - 1" Diameter Flange Hole
   - 6.8" Diameter Anchor Hole
   - 5/8" Diameter Anchor Hole
   - 5/8" Diameter Anchor Hole
   - 6.8" Diameter Anchor Hole

![END POST TOP VIEW](image)
![MID POST TOP VIEW](image)
ATTACH CABLE WIRE OPEN LOOP TO BRACKET WITH (1) PROVIDED SHACKLE. BOLT HEAD FACES UP AS SHOWN IN DETAIL -A-. SLIDE THE OTHER OPEN END OF THE WIRE CABLE INTO THE 2ND CAVITY OF PLASTIC RAIL ALL THE WAY POSSIBLE. TO EASE THE OPPOSITE END, SLIDE BRACKET INTO PLASTIC RAIL TO EXTEND THE CABLE A FEW EXTRA INCHES. ATTACH OTHER OPEN CABLE WIRE LOOP TO BRACKET WITH (1) PROVIDED SHACKLE. BOLT HEAD FACES UP.

SLIDE PINS THRU PLASTIC RAIL AND BRACKETS ALL THE WAY DOWN INTO SS FLANGES, UNTIL IT BOTTOMS OUT. NOTE; THE PIN WILL SIT ABOUT 1" ABOVE THE PLASTIC RAIL WHEN FULLY ENGAGED.
NOTICE HOW THE METAL CORE WILL SIT ON TOP OF THE ULTRA CABLE BRACKETS.
SLIDE METAL CORE ONTO BRACKETS WITH HOLES LINED UP. SLIDE RUBBER DAMPER FOLLOW BY METAL WASHER AND 5/8" DIAMETER CONCRETE ANCHORS AS SHOWN. SECURE CONFIGURATION USING AN IMPACT DRIVER WITH A 15/16" HEX SOCKET AND EXTENDER UNTIL FLUSH AND TIGHT. CHECK THE STIFFNESS OF THE INSTALLATION BY MAKING SURE IT'S STIFF TO THE TOUCH.

THE ANCHORS DEPTH INTO THE GROUND IS ABOUT 4.12" BUT THE HOLE NEEDS TO BE DEEPER AT 4.75" MINIMUM.
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SLIDE PLASTIC END ONTO METAL CORE UNTIL FLUSH WITH GROUND AND MAKING SURE PIN SLIDES INTO PLASTIC RECESS. SECURE EACH PLASTIC END, MID OR CNR WITH (4) WASHERS, (4) 3/8-16X 1.0” BUTTON HEAD SCREWS. START THREADING BY HAND AND THEN USING A 7/32” ALLEN KEY TO TIGHTEN FLUSH. THE USE OF A 3/8-16 TAP MIGHT BE NECESSARY AS WELL FOR DRILL BIT FOR MAKING A CLEARANCE HOLE TO GET THE SCREW STARTED.

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IF YOUR SYSTEM IS LONGER THAN SHOWN, GO TO STEP 9 PAGE 5 OF 9 ON FLEXCORE GUARDRAIL INSTRUCTIONS.

SLIDE GUARD PLASTIC TOP RAIL 199" LONG INTO THE ENDS. INSERT ALUMINUM PINS WHERE SHOWN.
SLIDE PLASTIC CAP ONTO END MAKING SURE ALUMINUM PIN SLIDES INTO CAP HOLES. SECURE EACH CAP WITH (2) 3/8-16X1.0 BUTTON HEAD SCREWS AND (2) WASHERS. TIGHTEN WITH A 7/32" HEX ALLEN KEY. GO OVER ENTIRE SYSTEM TO ENSURE ALL HOLES HAVE A SCREW AND WASHER.