



SF INDUSTRIES USA

PRECISION METAL FABRICATION • TECHNICAL DOCUMENTATION

INSTALLATION INSTRUCTIONS

CORNER CASTING ADAPTER — MCK-CC-APC

PRODUCT	APPLICATION	MOUNTING TYPE	REVISION
MCK-CC-APC	Shipping Container Corner Casting	Quick-Connect / No-Weld	Rev. 01

1. PRODUCT APPLICATION

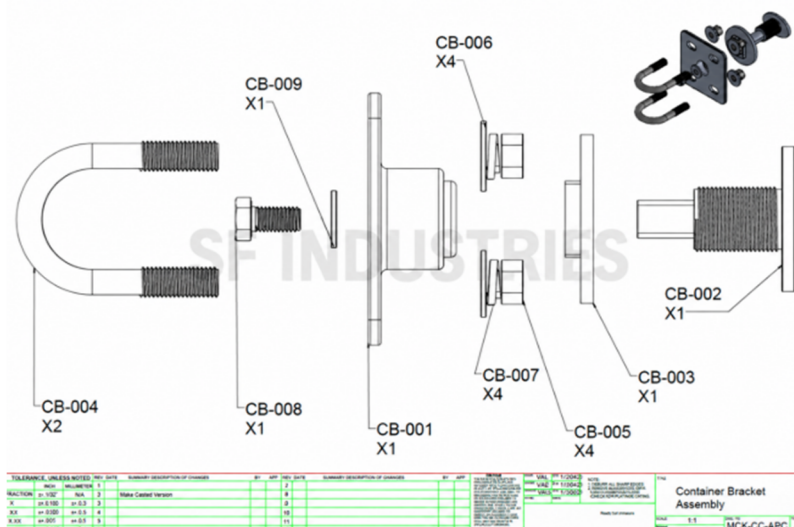
The MCK-CC-APC Corner Casting Adapter is a quick-connect, no-weld mounting adapter designed to attach approved equipment to the corner castings of shipping containers. The adapter provides a repositionable mounting point for compatible light fixtures, sirens/speakers, CCTV equipment, and other approved equipment using pipe up to 2 in. OD.

2. SAFETY & PRE-INSTALLATION REQUIREMENTS

- Read these instructions and all applicable project requirements before installation.
- Verify the shipping-container corner casting, adapter, supplied hardware, pipe/pole, and supported equipment are suitable for the intended application and loads.
- Do not drill, weld, cut, or otherwise modify the adapter or supplied hardware.
- Verify the corner casting is free of damage, excessive corrosion, debris, or deformation that could interfere with secure engagement.
- Confirm the supported pipe or equipment is within the adapter's stated maximum 2 in. OD pipe capability.
- Use appropriate fall protection and job-site safety procedures when working at elevated locations or around stacked containers.
- Use qualified personnel when positioning or securing heavy equipment or pole assemblies.

3. KIT COMPONENTS

COMPONENT	DESCRIPTION
Corner Casting Adapter	Powder-coated 6061 aluminum adapter body.
U-Bolt Kit	Supplied U-bolts and associated hardware for securing compatible pipe/equipment.
Locking / Clamping Hardware	Integrated adapter hardware used to secure the adapter to the container corner casting.





MCK-CC-APC — INSTALLATION PROCEDURE

4. INSTALLATION PROCEDURE

- 1. Inspect components** — Confirm the adapter and all supplied hardware are present, clean, and undamaged. Do not install damaged or deformed components.
- 2. Inspect the corner casting** — Select the container corner casting to be used. Confirm the casting is structurally sound and that its opening and contact surfaces are free of debris or obstructions.
- 3. Position the adapter** — Orient the MCK-CC-APC so the adapter's mounting interface is positioned as required for the intended equipment or pipe direction.
- 4. Engage the corner casting** — Place the adapter into the shipping-container corner casting and engage the adapter's supplied locking/clamping mechanism. Ensure the adapter is fully seated before applying load.
- 5. Secure the adapter** — Operate the supplied locking/clamping hardware until the adapter is firmly secured to the corner casting. Do not force the mechanism or use impact tools unless specifically authorized.
- 6. Install the pipe or equipment** — Position the compatible pipe, pole, or equipment assembly through/against the adapter mounting interface as applicable. The supplied data sheet identifies compatibility with pipe up to 2 in. OD.
- 7. Install and tighten U-bolts** — Place the supplied U-bolts around the pipe and through the adapter holes. Install the supplied washers and nuts in the hardware sequence provided with the kit. Tighten evenly and alternately.
- 8. Final alignment and inspection** — Verify the adapter is fully seated, the pipe/equipment is correctly oriented, and all supplied hardware is secure. Confirm there is no visible movement, distortion, or interference before placing the installation in service.

5. TORQUE REQUIREMENTS

IMPORTANT: The supplied Corner Casting Adapter data sheet does not specify a numerical torque value for the locking/clamping hardware or U-bolt hardware. Do not substitute a torque value from another SF Industries product or application. Final torque, where required, shall be based on the supplied hardware manufacturer's specification, applicable project requirements, or an approved engineering installation specification.

6. APPLICATION LIMITS & NOTES

- The supplied data sheet identifies the adapter as suitable for pipe up to 2 in. OD.
- The adapter is intended for temporary or permanent installation.
- The product is designed as a no-weld, no-drilling installation; do not modify the shipping container or adapter unless specifically approved.
- The adapter is intended for approved equipment such as light fixtures, sirens/speakers, and CCTV. Verify equipment loads and environmental forces for each installation up to 12lbs.



MCK-CC-APC — POST-INSTALLATION & TECHNICAL INFORMATION

7. POST-INSTALLATION CHECK

- Adapter is fully seated and securely engaged with the shipping-container corner casting.
- Locking/clamping mechanism is fully engaged and secure.
- U-bolts, washers, and nuts are installed in the correct sequence.
- Final tightening/torque has been verified in accordance with the applicable hardware or project specification.
- Pipe, pole, or supported equipment is secure and correctly oriented.
- No visible deformation, cracking, or damage is present on the adapter, corner casting, or hardware.
- Supported equipment is not interfering with container doors, adjacent equipment, or required access paths.
- Installation has been inspected by the responsible qualified person.

8. MAINTENANCE & INSPECTION

Inspect the adapter assembly periodically and after significant vibration, impact, relocation, maintenance activity, or changes to the supported equipment. Check for loose hardware, corrosion, deformation, cracking, movement, or damage to the corner casting. Verify the adapter remains fully engaged and the supported equipment remains secure. Replace damaged components before returning the installation to service.

9. TECHNICAL REFERENCE

This installation document is intended for SF Industries USA product documentation and shall be used together with the applicable product data sheet, engineering drawing, equipment manufacturer's instructions, project specifications, and governing codes.

10. PRODUCT DATA REFERENCE

PARAMETER	SUPPLIED DATA
Part Number	MCK-CC-APC
Material	Powder-coated 6061 aluminum
Pipe Compatibility	Up to 2 in. OD pipe
Installation	No drilling, welding, or bolting to the container
Installation Type	Temporary or permanent
Primary Applications	Light fixtures; sirens/speakers; CCTV
Mounting Location	Shipping-container corner castings

MANUFACTURER: SF Industries USA | PRODUCT: MCK-CC-APC Corner Casting Adapter