HORIZONTAL CLAMP DESCRIPTION AND USE

SwitchRail®
Modular Safety Rail System

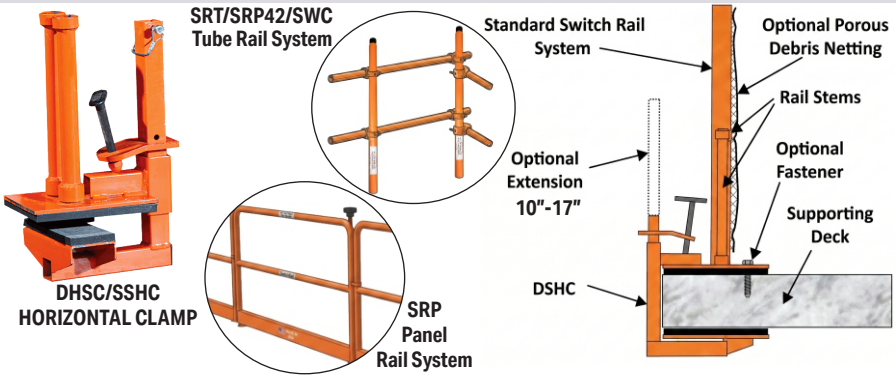
The Switch Rail Horizontal Clamp (DHSC/SHSC) provides attachment of the Switch Rail Standard Rail System (SRSRS) section to a supporting deck of the structure. It can be installed without an invasive connection into the structure.

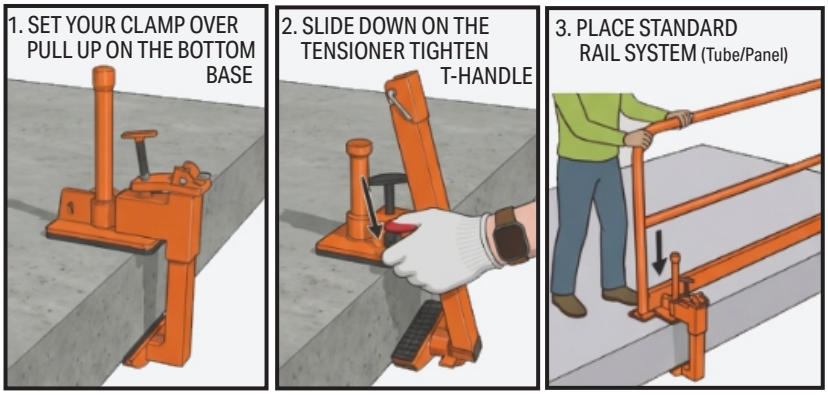
The clamp system can include either a double stem, connecting together two SRSRS sections, or a single stem, for use at the end of a series of SRSRS sections.

The clamp includes the rail stem(s) fastened to the upper flange to which the standard rail system is attached. The supporting deck can be made from wood, concrete or steel. The D(S)HSC contains a clamping mechanism that tightens against the supporting deck, which can be up to 10" thick, or up to 17" thick with the optional extension.

The system is designed to meet the OSHA requirement for 200-pound specified load in combination with IBC design wind force, when properly attached and when used with the properly installed SRSRS. The rail system is 42" tall and may include porous debris netting over the full area.

An optional fastener can be attached to the deck through the slotted hole in the top clamp plate, if added security is desired.





Adjustable jaws allow accommodation of surface widths up to 10" or 17" with SRPCX

Codes and Standards

When installed in accordance with manufacturer instructions and supported by a structurally adequate surface, the D(S)SHC system is designed to comply with:

- **OSHA 29 CFR 1910.29 – Walking-Working Surfaces: Guardrail Systems**
- **OSHA 29 CFR 1926.502(b) – Fall Protection Systems Criteria and Practices**
- **IBC Wind Load**

Intended Use

- Fall protection.
- Temporary or semi-permanent guardrail installations.
- Applications requiring attachment to existing decks, steel beams, stairs, and other flat surfaces

The D(S)SHC system is intended solely for use as part of a complete guardrail assembly utilizing Swithcrail's Panel or Tube components.

Basis and Limitations

The SwitchRail D(S)HSC is engineered to provide OSHA-compliant platform-edge protection when used with a properly installed SwitchRail Standard Rail System and secured to a structurally sound supporting deck. All fastening and installation instructions issued by SwitchRail Systems must be followed.A competent person must evaluate the suitability of the complete system for each specific site application. This system is not designed or approved for personal tie-off or any form of fall-arrest connection.