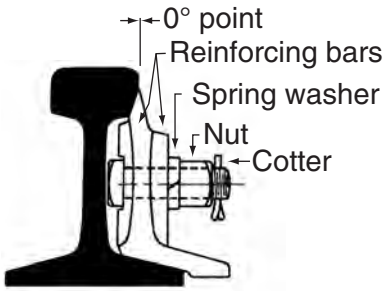
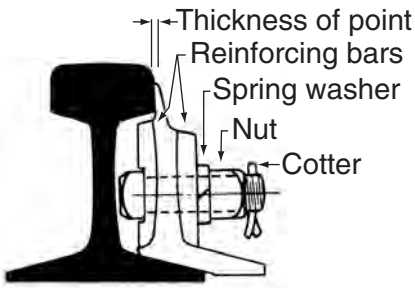
SWITCH POINT DETAILS

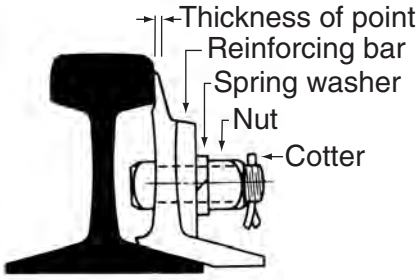
Shown below are end views of typical switch point constructions. The drawing on the top left shows a Samson (detail 5100) construction, while the other three show the standard Knife-blade (detail 6100) construction. Samson switch points are used on main line or heavy duty locations. Knife-blade points are generally used for industrial and yard applications. Non-reinforced switch points are typical for rails lighter than 90-lb. used for mining or tunneling. Single-reinforced switch points are commonly used for industrial tracks, and double reinforced are used in heavier duty locations.



Double Reinforced Samson (Detail 5100)
(Note: undercut required on stock rail)



Double Reinforced Knife-Blade (Detail 6100)



Single Reinforced Knife-Blade (Detail 6100)

Non-Reinforced Knife-Blade (Detail 6100)

Shown below are the three most common types of switch point clips. These clips are attached to the switch point using the two upper holes. The lower holes are used for connecting to the switch rod, The proper switch rod is determined by the type of switch point clip used. Both the transit and Eureka clips allow for adjustment of the spacing between switch points. The side-jaw clips are not adjustable.

Transit Clip

Side-Jaw Clip

Adjustable Side Jaw Clip ("Eureka Clip")

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