

RAIL MOUNTING-HOLE CRITERIA

ROLLON offers two rail mounting hole systems for the COMPACT RAIL system: counterbored and countersunk.

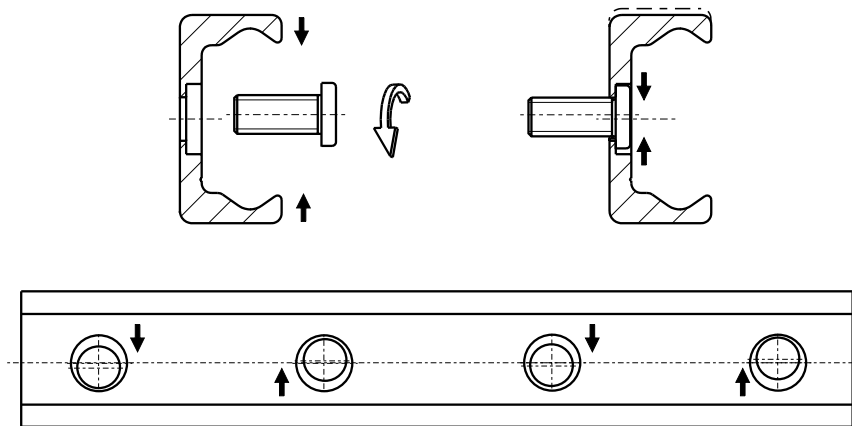
In the two paragraphs below the criteria for which system should be selected is explained.

COMPACT “C” - Rails with counterbored holes

There are two main reasons for choosing counterbored mounting holes.

1) High linear precision, which implies precise rail mounting, can only be offered by counterbored fixing holes. Counterbored fixing holes allow precise rail positioning according to an external reference which assures and controls the required precision tolerances.

2) The need to mount a rail using fixing holes which are not aligned is a common situation when having only one rail and low precision requirements. In this case the counterbored holes are needed because, having a larger diameter when compared to the screws, they allow the rail to adjust slightly during mounting.



COMPACT “V” - Rails with countersunk holes

Selection of rails with c'sunk holes is often based on the application's low requirement for linear precision and the decent alignment of the fixing holes. The use of countersunk fixing holes eliminates the necessity of time consuming rail reference positioning, as the rail aligns itself according to the average hole position. The use of countersunk mounting holes could be used in many handling or automation applications or most applications where the rail is mounted to a T-slot.

