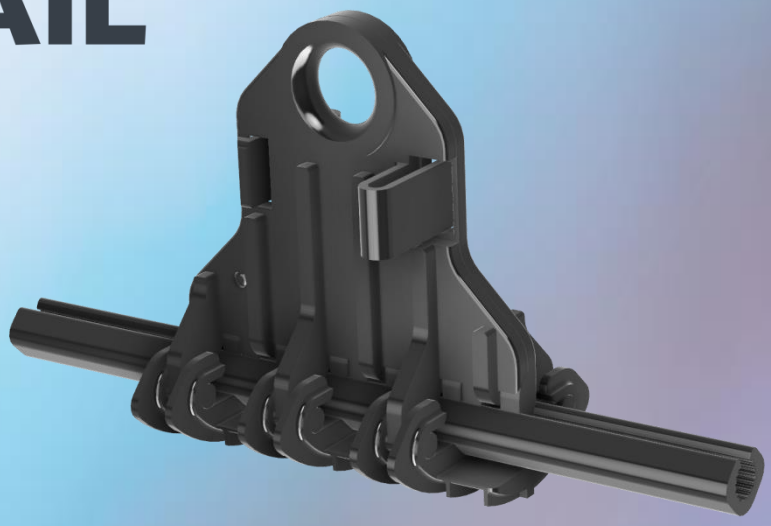
Installation Instruction

C-Rail-Bracket
Holding Bracket



About C-Rail®

C-Rail® is a brand new aerial cabling solution for telecom industry, designed specifically for optical fibre based customer access networks. By delivering several unique features, it resolves significant issues concerning the areal construction of optical-fibre access networks.

A pair of a "C" shape messenger and a pre-inserted – *but physically independent*- ultra-compact optical cable creates the "cable" part of the system. Thanks to the performance specific design of all components, the cable can be dropped out and inserted back at any point of the network without cutting the cable, or C-Rail-Messenger or even without window opening request on the C-Rail-Messenger.

Every component of the system is also designed to support long distance pulling ability of the pre-inserted cable to create excess cable length at any places where closure installation is needed. Furthermore grounding is no longer required since C-Rail® uses fibre-reinforced polymers for every product and components like dead-end frames, holding brackets, pole hooks etc. instead of metallic materials. We reach the highest level of customizability on account of rotatable and swiveling components; installation is possible without using any tools.

In combination with a very slim cable sheath (D = 7 mm), the system is compact and ultra-flexible. These unique features will significantly reduce OPEX costs incurred by optical-fibre areal construction, thereby setting new standards.

Where to use

The C-Rail-Bracket product is typically used at the middle poles of the line. There are some limitations to the applicability of the product. It is allowed to use at those poles where the network line is straight or deviation (breaking angle) from straight line is smaller than 10°. It is not allowed to use neither at the first and last pole of the line nor at neighboring poles to road crossings. Application is forbidden at steep hills or slopes with an angle of ≥10° and at those poles of the line, where left and right side distance (to neighbouring poles) deviates from each other by more than 15%. In these cases a C-Rail-Anchor should be used.

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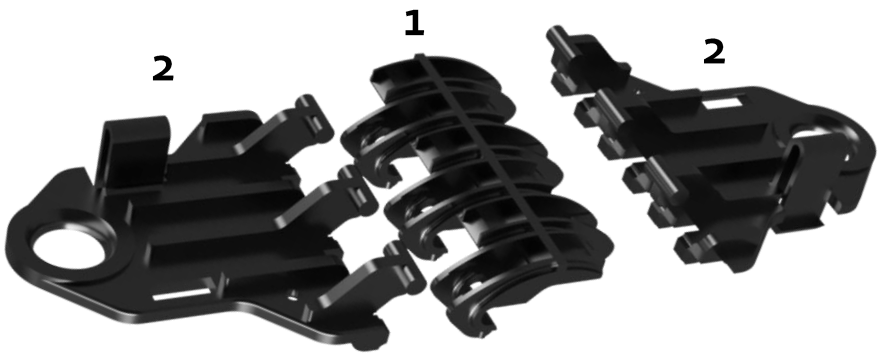
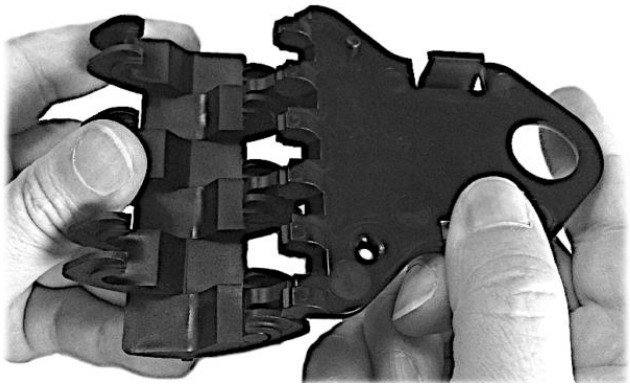
Kit content:

1) Base bridge
2) Side wings

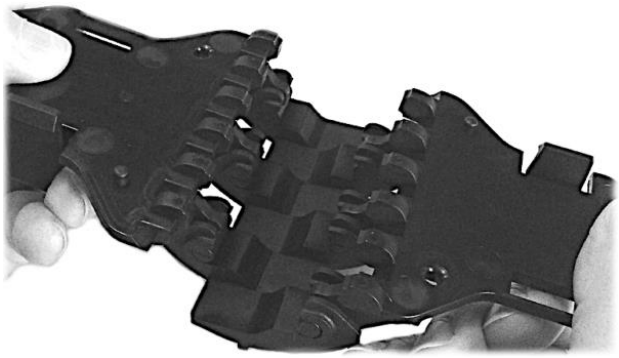


1) Hook side plate into the base bridge as picture shows. Pull it sideway forcibly till it moves into the final position.



2) Repeat the process with the second plate on the other side of the bridge.

   Make sure that both side plates stay in correct position.



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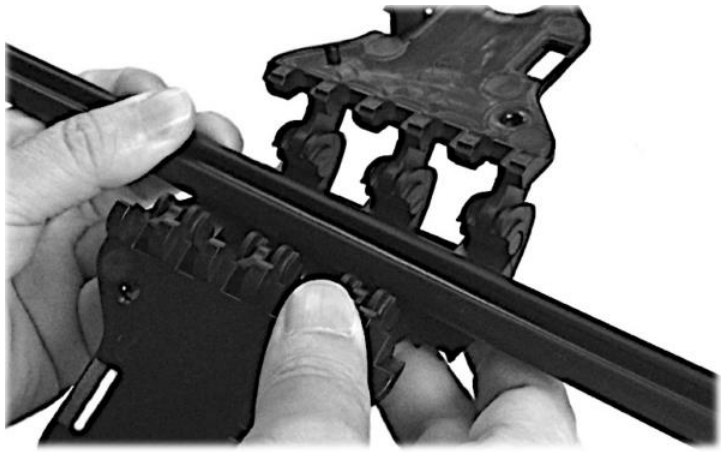
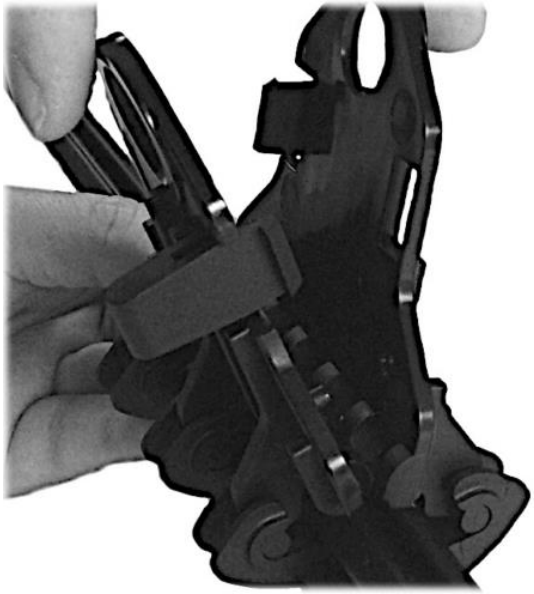
3) Position the C-Rail-Messenger precisely into the assembled C-Rail-Bracket *(riven part faces upward)*.



4) Turn up both plates parallel. Make sure that both plates pick up the same angle during the whole closing process.

   Close them together till the relevant parts click into the window opening on the other side plate.

   Now the C-Rail bracket is ready for hanging on poles.



For the *correct installation on poles always use to product specific pole hook of the C-Rail® system, please check the installation instruction of pole hooks.*
File: "II_C_Rail_Hook.PDF"