Model number
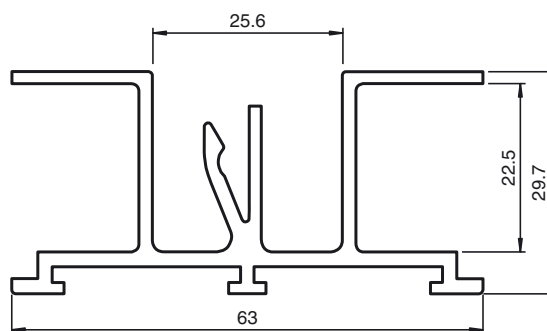
WCS2-PS1-C

WCS2 profile rail, coated

Features

- Powder coated
- Rapid installation
- Holds both, laminate and stainless steel code rails
- Long suspension distance
- All mounting orientations are possible
- Required, if guide trolleys are used

Accessories

WCS2-FT1
Mounting tool to safely and quickly install the 55 mm code strip in the aluminum profile

Matching system components

WCS3-GT09-P1-O
WCS3 guiding trolley for the WCS3B read head with protective enclosure, outdoor use

WCS2-GT09-P1-C
WCS2 guiding trolley

WCS2-MH1
WCS2 screw-on holder

WCS-MF1
Wrist strap

WCS2-MH2
WCS2 holder for C profile

WCS2-MC2
Butt connector, stainless steel

WCS2-LB1-C
WCS2 locking bracket

Dimensions

Technical data

Ambient conditions

Operating temperature		-40 ... 70 °C (-40 ... 158 °F)

Mechanical specifications

Length	L	5 m
Bending radius		≥ 1000 mm
Material		Aluminum , powder coated
Thermal expansion coefficient		2.4×10^{-5} / K
Mass		1000 g / m
Coating		powder coated , 100 µm

Notes

A special aluminum profile system has been developed for quick installation of the WCS guide trolley and plastic laminate or stainless steel WCS code rails. The aluminum profile rail is designed for WCS2 and WCS3 Outdoor guide trollys and code rails. The guide trolley ensures optimal positioning of the read head in relation to the code rail and compensates for tolerances between the vehicle and the WCS system. It also isolates the read head from vehicle vibration. The aluminum profile system can be installed in any position. The profile rails are saw to a 45° miter at the ends. The aluminum profile rails is also available powder-coated (-C) and can be supplied in curved sections on request.

Grounding the aluminum profile

Any aluminum profile track assembly must include a low-resistance connection to the system ground. If the profile track´s length exceeds 40 m (131 ft), it must be grounded twice at the beginning and end points.

Note

For more information, see mechanical manual.

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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