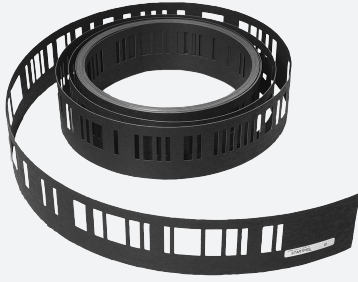


WCS3 code rail

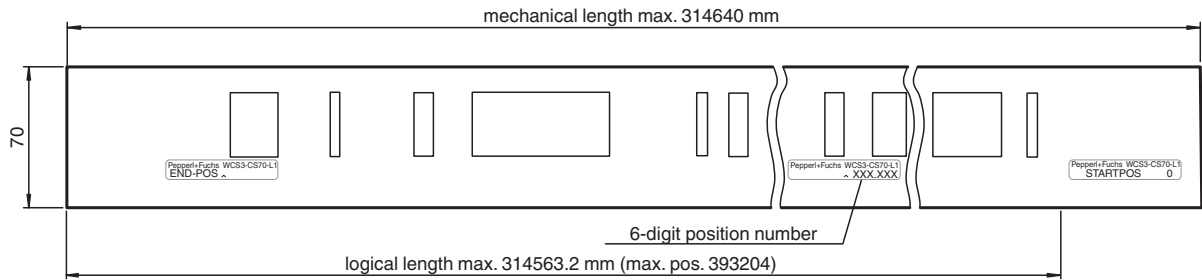
WCS3-CS70-L0-S000000-L130000



- Flexible installation by means of alu profile- or mounting bracket system
- High chemical resistance
- Low weight

Code rail, polyester laminate

Dimensions



Technical Data

| General specifications | |
|-------------------------------|------------------------------------|
| Code rail height | 70 mm |
| Total length | 130000 mm |
| Start position | 0 mm |
| Radius of bend | ≥ 300 mm |
| Ambient conditions | |
| Operating temperature | -40 ... 60 °C (-40 ... 140 °F) |
| Storage temperature | -40 ... 60 °C (-40 ... 140 °F) |
| Installation temperature | 10 ... 60 °C (50 ... 140 °F) |
| Mechanical specifications | |
| Material thickness | 0.75 ... 0.95 mm |
| Tension loading | ≤ 260 N |
| Material | polyester laminate |
| Thermal expansion coefficient | approx. 2.8 x 10 ⁻⁵ / K |
| Mass | 40 g / m |
| Manufacturing tolerance | ± 1 mm/m |

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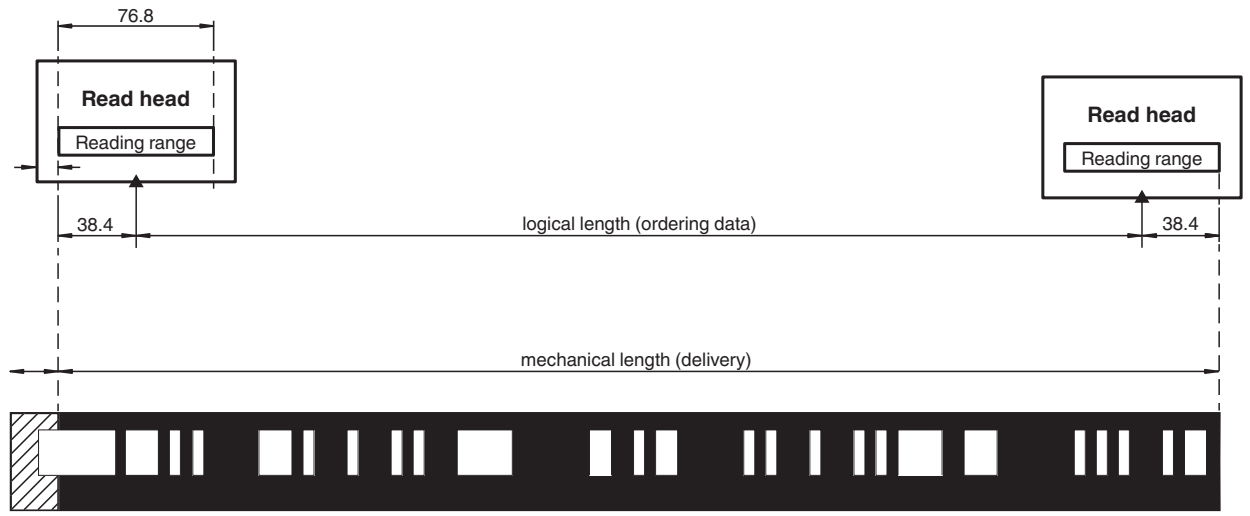
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Mounting



Automatic length correction:
Code rail is only delivered with
web ends or web beginnings.



Type Code

Structure of the type code

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|----|---|---|-----|---|---|-----|-----|-----|-----|-----|-----|---|---|-----|-----|-----|-----|-----|-----|
| W | C | S | 3 | - | C | S | 70 | - | L | (1) | - | S | (2) | (2) | (2) | (2) | (2) | (2) | - | L | (3) | (3) | (3) | (3) | (3) | (3) |
|---|---|---|---|---|---|---|----|---|---|-----|---|---|-----|-----|-----|-----|-----|-----|---|---|-----|-----|-----|-----|-----|-----|

| | |
|------------------------------|--|
| WCS3 | Read head type |
| WCS | Position encoding system |
| CS | Code rail |
| C | Code |
| S | Rail |
| 70 | Code rail height |
| 70 | Code rail height |
| L | Code rail material |
| L | Polyester-Laminat |
| (1) | Mounting hole type |
| 0 | Without mounting holes |
| 1 | With mounting holes |
| 2 | With Vahle mounting holes |
| S (2) (2) (2) (2) (2) | Starting position |
| (2) | |
| 0 ... 314463 | Starting position of the code rail in mm |
| L (3) (3) (3) (3) (3) | Code rail length |
| (3) | |
| 100 ... 314563 | Length of the code rail in mm |

Accessories

| | | |
|---|-----------------|--|
|  | WCS-MB2 | Mounting bracket for C profile, straight section |
|  | WCS-MB-B | Mounting bracket, curve |

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Accessories

| | | |
|---|-----------------------|--|
|  | WCS-MB1-B | Fastening angle for screw connection, curve |
|  | WCS-MB2-B | Mounting bracket for C profile, bend |
|  | WCS-SP2 | Stabilization profile |
|  | WCS-MB1 | Mounting bracket for bolt connection, straight |
|  | WCS3-CS70-E | WCS3 code rail extender |
|  | WCS-MF1 | Wrist strap |
|  | WCS3-FT1 | Fitting tool for WCS3 aluminum profile system |
|  | WCS3-MC1 | Joint |
|  | WCS3-MH1 | WCS3 screw-on holder |
|  | WCS3-MH2 | WCS3 holder for C profile |
|  | WCS3-PS1-2M | WCS3 profile rail |
|  | WCS2-PS1-2,5M | WCS2 profile rail |
|  | WCS3-GT09-P1-O | WCS3 guiding trolley for the WCS3B read head with protective enclosure, outdoor use |
|  | WCS2-MH1 | Rail bracket with screwed connection |
|  | WCS2-MC1 | Butt connector, aluminum |
|  | WCS2-LB1 | WCS2 locking bracket |
|  | WCS2-FT1 | Mounting tool to safely and quickly install the 55 mm code strip in the aluminum profile |

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