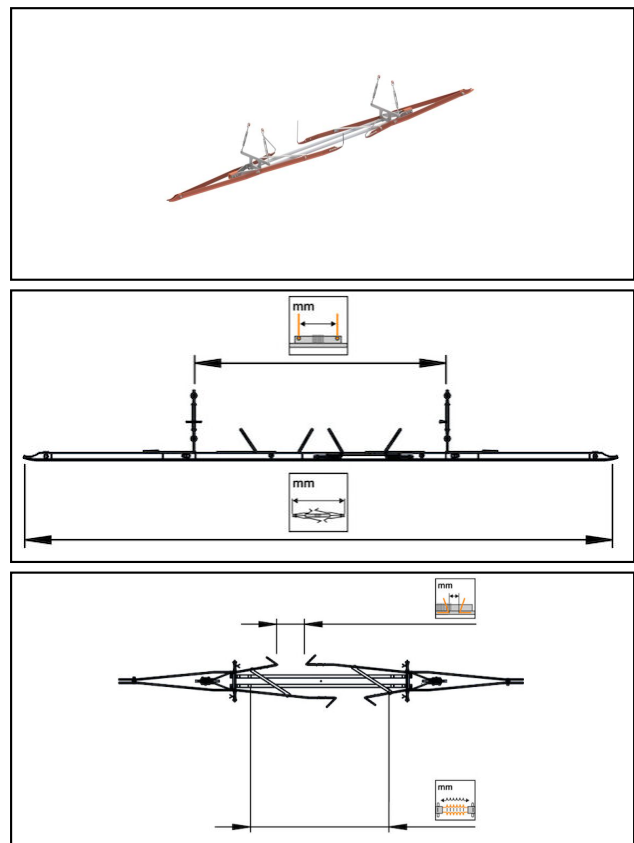


Section insulators

HL25



**Application**  
 For regional trains and heavy rail  
 Maximum speed up to 160 km/h

**Characteristics**  
 Insulator rods revolvable in case of wear

**Material**  
 GRP/PTFE, Cu, CuNiSi, stainless steel

| Article-Nr. |  |  |  |  |  |  |  |  |  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 655.500.053 | 100 - 150                                                                           | 5.6 - 6.9                                                                           | 1100                                                                                | 1350                                                                                | 1600                                                                                | 220                                                                                   | 3180                                                                                  | 8 - 30                                                                                | 19.5                                                                                  |

| Accessories                                                                                             |  |  |  |  |  |  |  |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  <b>MH HS25/HL25</b> |  |  |  |  |  |  |  |                                                                                       |                                                                                       |
| Article-Nr.                                                                                             |  |  |  |  |  |  |  |  |  |
| 690.106.000                                                                                             |  |  |  |  |  |  |  | 28.6                                                                                  | 1                                                                                     |
| 655.540.002                                                                                             |  |  |  |  |  |  |  | 3.6                                                                                   | 2                                                                                     |

| Accessories                                                                                                                             |  |  |  |  |  |  |  |                                                                                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------|--|
|  <b>Replacement set of insulator rods MW HS/HL25</b> |  |  |  |  |  |  |  |                                                                                       |  |
| Article-Nr.                                                                                                                             |  |  |  |  |  |  |  |  |  |
| 690.048.000                                                                                                                             |  |  |  |  |  |  |  | 15.3                                                                                  |  |

| Accessories                                                                                    |                                                                                     |                                                                                     |  |  |  |  |  |                                                                                       |  |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|--|--|--|--|---------------------------------------------------------------------------------------|--|
|  <b>SAL</b> |                                                                                     |                                                                                     |  |  |  |  |  |                                                                                       |  |
| Article-Nr.                                                                                    |  |  |  |  |  |  |  |  |  |
| 696.016.010                                                                                    | Al                                                                                  | 1610                                                                                |  |  |  |  |  | 1.2                                                                                   |  |



## Accessories



## Turnbuckle SSCH200-280

| Article-Nr. | mm<br>a   | mm<br>b | mm<br>c |  |  |  |  | Kg    | 1, 2, 3, 4 |
|-------------|-----------|---------|---------|--|--|--|--|-------|------------|
| 690.010.727 | 200 - 280 | 15      |         |  |  |  |  | 0.163 | 1, 3       |
| 690.023.727 | 200 - 280 | 15      |         |  |  |  |  | 0.163 | 1, 2       |
| 690.025.727 | 200 - 280 | 18      | 8       |  |  |  |  | 0.163 | 1, 2       |
| 690.035.000 | 200 - 280 | 18      | 8       |  |  |  |  | 0.163 | 1, 3       |
| 690.038.000 | 200 - 280 | 18      | 8       |  |  |  |  | 0.163 | 1, 3, 4    |

Technical Specifications: **HL25**

|                                                |               |
|------------------------------------------------|---------------|
|                                                | 655.500.053   |
| Contact wire section                           | 100 - 150 mm² |
| Contact wire groove                            | 5.6 - 6.9 mm  |
| Creeping distance                              | 1100 mm       |
| Length between suspension                      | 1350 mm       |
| Length between contact wire                    | 1600 mm       |
| Arcing horn distance                           | 220 mm        |
| Total length                                   | 3180 mm       |
| Recommended service load                       | 8 - 30 kN     |
| Specified mechanical load (SML)                | 80 kN         |
| Minimum breaking load of the section insulator | 120 kN        |
| Commercial specification                       |               |
| Customs number                                 | 85353000      |
| country of origin                              | CH            |
| Logistic specification                         |               |
| Kilo / piece                                   | 19.5 kg       |

