

Questionnaire for the Design of a Roof Mounted Pantograph

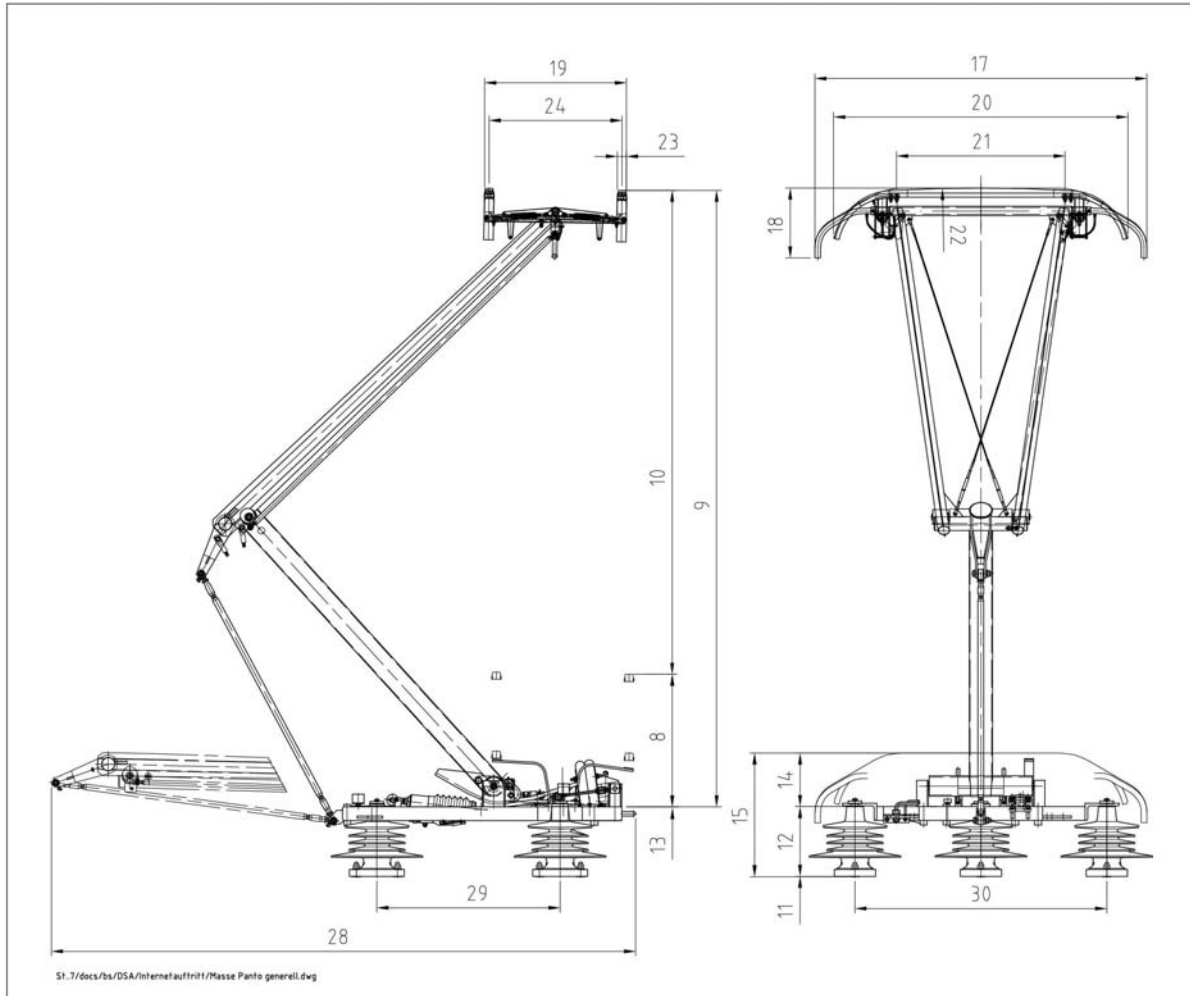
**STEMMANN-
TECHNIK** GmbH

Dept.: BS
Quendorfer Strasse 34
D – 48465 Schüttorf

Phone: 0 59 23 – 81-216
Fax: 0 59 23 – 81-278

Company Name.....
Branch:
Address.....
.....
Contact Person:
Phone:
Fax:
e-Mail:

Details for heavy rail vehicles following EN50602-1 and for light rail vehicles (suburban trains and trams) following EN50206-2



Principle of the Pantograph Sketch

- | | | |
|--|-------|--------------------------|
| 1 Rated voltage (EN50206-1 (-2), 3.3.1) = (3.3.1) | _____ | V |
| | | <input type="radio"/> AC |
| | | <input type="radio"/> DC |
| 2 Rated current, vehicle in standstill (3.3.2) | _____ | A |
| 3 Maximum current, vehicle in standstill (3.3.3) | _____ | A |
| 4 Rated current, vehicle in operation (3.3.4) | _____ | A |
| 5 Static contact force (3.3.5) | _____ | N |
| 6 Average total contact pressure (EN50206-1, Item 3.3.7) | _____ | N |
| 7 Total contact pressure (EN50206-1, Item 3.3.8) | _____ | N |
| 8 Minimum operation height (3.3.11) | _____ | mm |

Questionnaire for the Design of a Roof Mounted Pantograph

- 9 Maximum operation height (3.3.12) _____ mm
- 10 Working area (3.3.13) _____ mm
- 11 Height of the installation surface (from lower edge insulator) above track upper edge _____ mm
- 12 Height of insulator
- | Voltage in kV | Height in mm | |
|--|--------------|-----------------------|
| 0,75 | 60 | <input type="radio"/> |
| 1,5 | 80 | <input type="radio"/> |
| 3 | 125 | <input type="radio"/> |
| 15 / 25 | 306 | <input type="radio"/> |
| Customer's provision of the insulators | | <input type="radio"/> |
- 13 Height of the installation surface (from upper edge insulator) above track upper edge _____ mm
- 14 Height in lowest position from upper edge of insulator (3.2.14) _____ mm
- 15 Height in lowest position from lower edge of insulator _____ mm
- 16 Collector head profile for heavy rail vehicles acc. to UIC608
- | Encl. | 17 Collector head length(3.2.6) | 18 Collector head height | |
|-------|---------------------------------|----------------------------|-----------------------|
| B: | 1450 mm | 300 mm | <input type="radio"/> |
| C: | 1600 mm | 300 mm | <input type="radio"/> |
| D.1: | 1950 mm | 368 mm (for the DB 340 mm) | <input type="radio"/> |
| D.2: | 1950 mm | 367 mm | <input type="radio"/> |
- 19 Collector head width (3.2.7) _____ mm
- Collector head-/contact strip profile for light rail vehicles acc. to DIN 43 267
- DIN 43 267 1. Profile: straight carbon contact piece
- DIN 43 267 2. Profile: bent carbon contact piece
- 20 Contact strip length with end horns _____ mm
- 21 Contact strip length (3.2.10) _____ mm
- 22 Contact strip radius _____ mm
- 23 Contact strip width _____ mm
- 24 Centre distance of the contact strips _____ mm
- 27 Number of the contact strips _____ pieces
- 28 Length of the pantograph in lowest position _____ mm
- 29 Attachment dimensions in longitudinal direction of vehicle _____ mm
- 30 Attachment dimension in transverse direction of vehicle _____ mm
- 31 Automatic Dropping Device (ADD) Yes / No
- 32 Design of the pantograph:
- Standard single arm pantograph
 - Special design diamond shaped pantograph in two arm version
 - Special design diamond shaped pantograph in four arm version
- 33 Mode of actuation:
- Spring and electric (standard 24 V DC)
 - Spring / pneumatic up
 - Spring / pneumatic down
 - Pneumatic (direct air operated)

