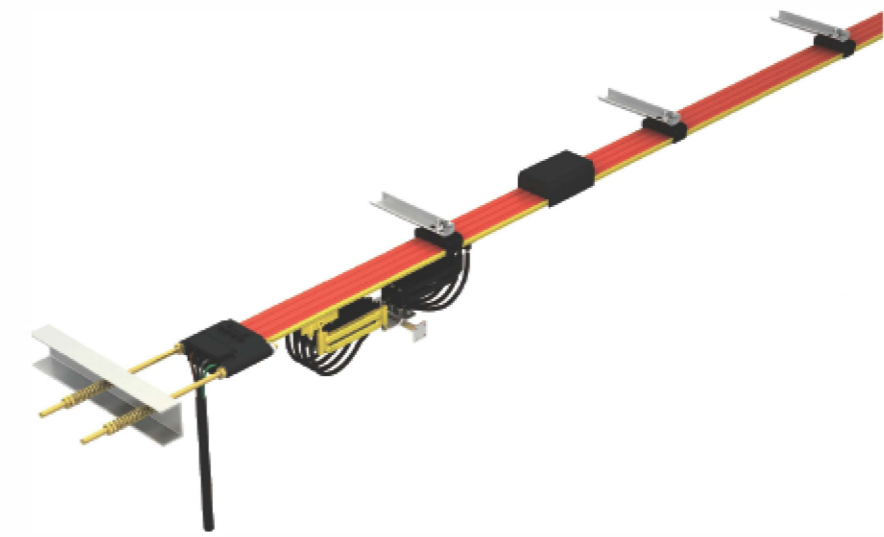


High Tro - Reel System

Mobile Electrification System

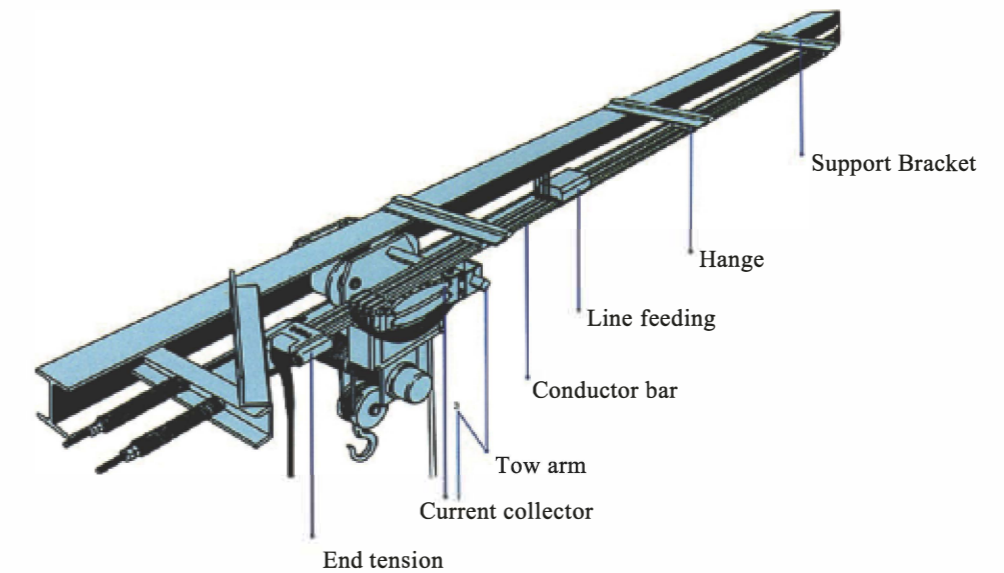
Catalogue

HTR-3, HTR-4, HTR-6 Series



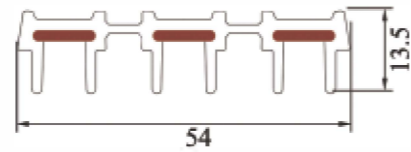
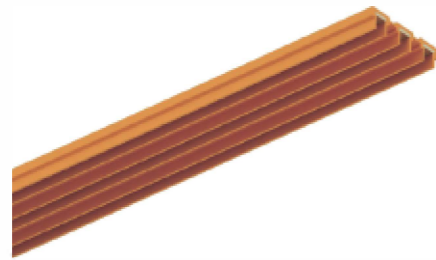
NANTE HTR series High Tro Reel System is a new Type of industrial mobile power feeding system. It can be 3, 4, 6 poles with current capacity from 50A to 140A.

- Safe, Stable, Seamless.
- Light weight, Simple structure, Easy for carry and install.
- Copper contact closely with insulated sleeve, no bad contact due to vibration.
- Insulated material is special formula PVC, which is impact resistant, uv resistant.
- Suitable for various kind of curve runway. (Curve $R \geq 0.6m$)

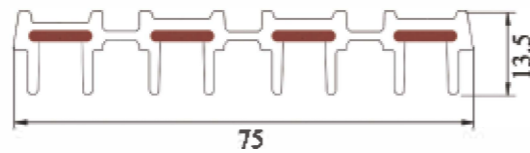
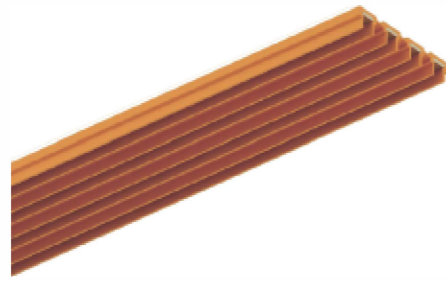


Technical Data

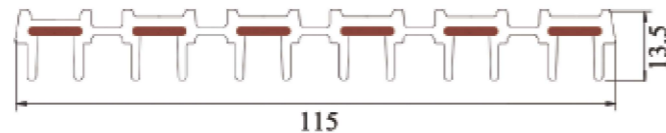
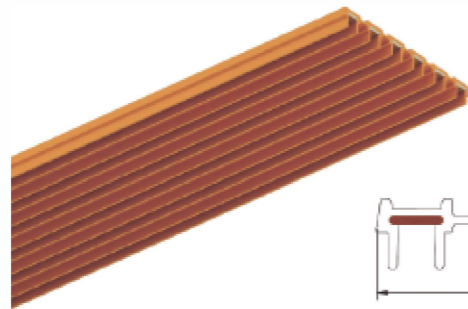
Poles: 3P/ 4P/6P
 Max.current: 140A
 Max.Voltage: 600V
 Material: Conductor Bar: Copper
 Insulation: PVC (heat resistance: 75℃)
 Sparts: Plastic / Gavlvaniated Steel



| Type | Poles | Conductor Cross Section (mm ²) | Max.Current (A) | Weight (kg/m) |
|---------------|-------|--|-----------------|---------------|
| HTR-3-10/50A | 3 | 3x10 | 50A | 0.57 |
| HTR-3-15/80A | 3 | 3x15 | 80A | 0.73 |
| HTR-3-20/100A | 3 | 3x20 | 100A | 0.85 |
| HTR-3-25/120A | 3 | 3x25 | 120A | 0.98 |
| HTR-3-35/140A | 3 | 3x35 | 140A | 1.27 |

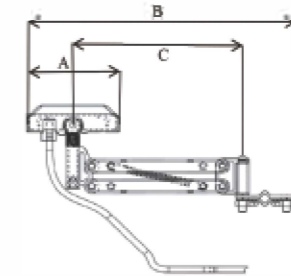


| Type | Poles | Conductor Cross Section(mm ²) | Max.Current (A) | Weight (kg/m) |
|---------------|-------|---|-----------------|---------------|
| HTR-4-10/50A | 4 | 3x10+1x10 | 50A | 0.75 |
| HTR-4-15/80A | 4 | 3x15+1x10 | 80A | 0.90 |
| HTR-4-20/100A | 4 | 3x20+1x10 | 100A | 1.05 |
| HTR-4-25/120A | 4 | 3x25+1x10 | 120A | 1.15 |
| HTR-4-35/140A | 4 | 3x35+1x10 | 140A | 1.43 |



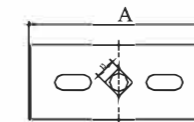
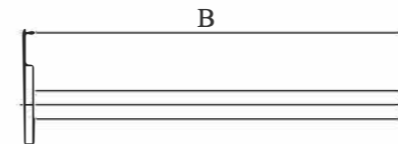
| Type | Poles | Conductor Cross Section (mm ²) | Max.Current (A) | Weight (kg/m) |
|--------------|-------|--|-----------------|---------------|
| HTR-6-10/50A | 6 | 6x10 | 50A | 1.10 |
| HTR-6-15/80A | 6 | 6x15 | 80A | 1.50 |

HTR Accessories - Current Collector
HTR-CC-3/60A / HTR-CC-4/60A / HTR-CC-6/60A



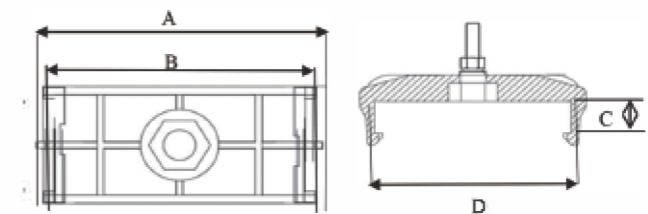
| Type | A | B | C | Max.Voltage | Max. Current | Weight (kg) |
|--------------|----|-----|-----|-------------|--------------|-------------|
| HTR-CC-3/60A | 90 | 300 | 175 | 600V | 60A | 0.30 |
| HTR-CC-4/60A | 90 | 300 | 175 | 600V | 60A | 0.40 |
| HTR-CC-6/60A | 90 | 300 | 175 | 600V | 60A | 0.60 |

HTR Accessories - Tow Arm
HTR-TA



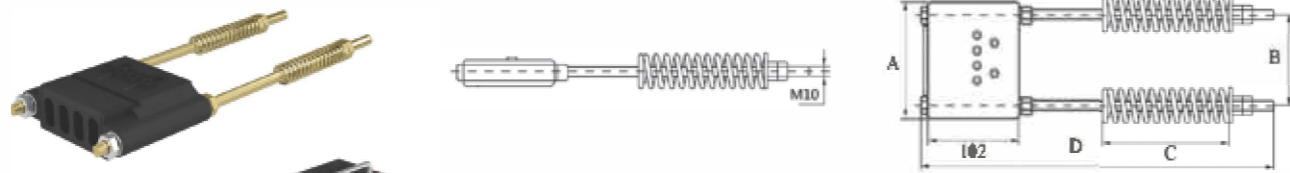
| Type | A | B | Weight (kg) |
|--------|-----|-----|-------------|
| HTR-TA | 118 | 240 | 0.51 |

HTR Accessories - Hanger
HTR-HG-300/400/600



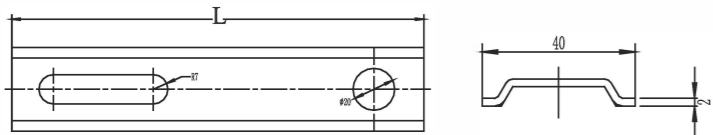
| Type | Poles | A | B | C | D | Weight (kg) |
|------------|-------|-----|-----|-----|-----|-------------|
| HTR-HG-300 | 3 | 69 | 63 | 8.2 | 55 | 0.071 |
| HTR-HG-400 | 4 | 88 | 82 | 8.2 | 75 | 0.075 |
| HTR-HG-600 | 6 | 129 | 126 | 8.3 | 116 | 0.088 |

HTR Accessories - End Tensioner
HTR-ET-300/400/600



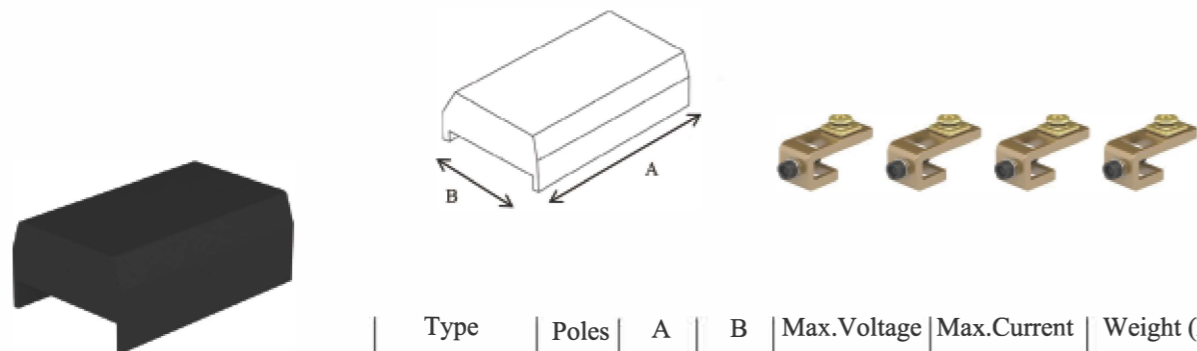
| Type | Poles | A | B | C | D | Max.Voltage | Max.Current |
|------------|-------|-----|-----|-----|-----|-------------|-------------|
| HTR-ET-300 | 3 | 115 | 87 | 60 | 400 | 600V | 140A |
| HTR-ET-400 | 4 | 133 | 109 | 100 | 400 | 600V | 140A |
| HTR-ET-600 | 6 | 180 | 153 | 60 | 300 | 600V | 140A |

HTR Accessories - Support Bracket
HTR-SB



| Type | L | Weight (kg) |
|--------|-----|-------------|
| HTR-SB | 200 | 0.1 |

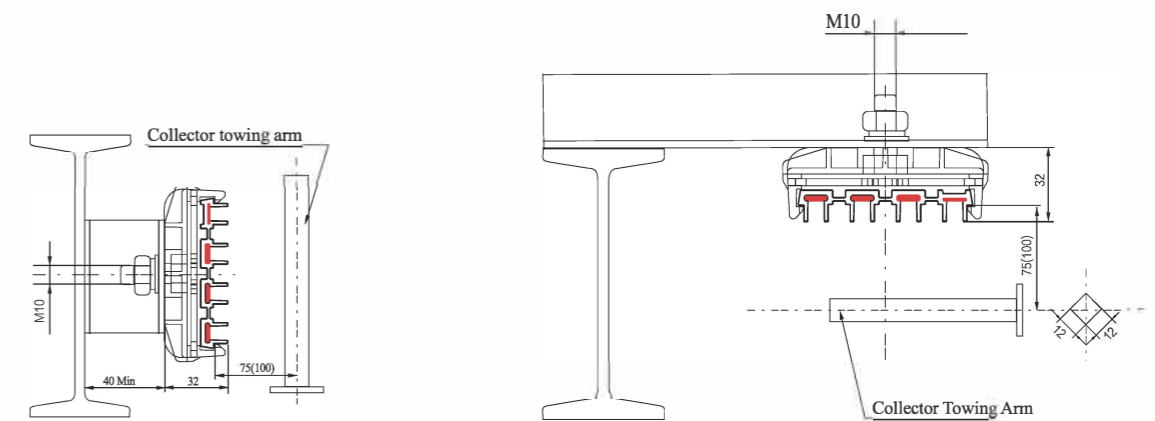
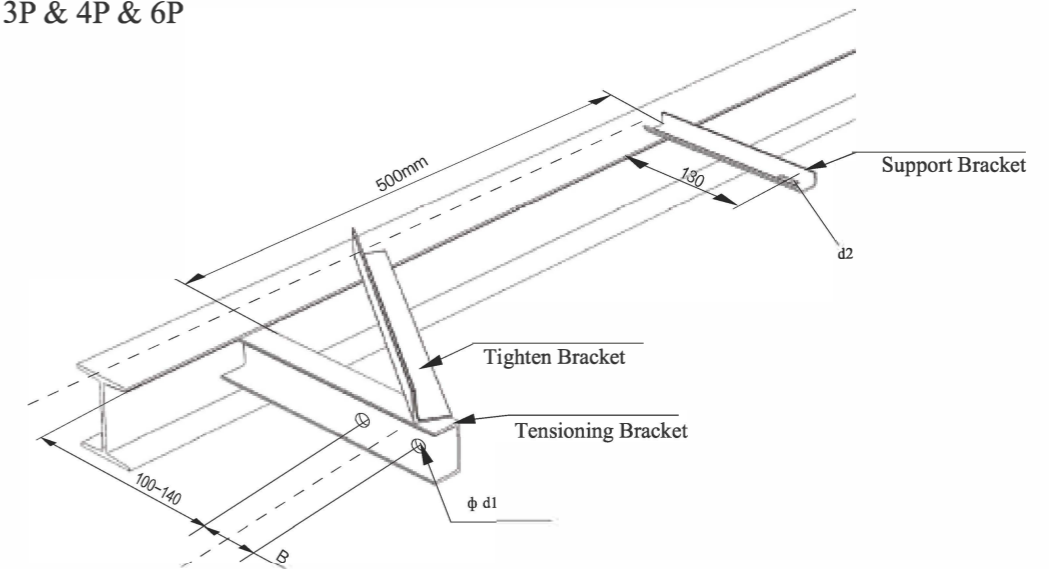
HTR Accessories - Line Feeding
HTR-LF-3P/4P



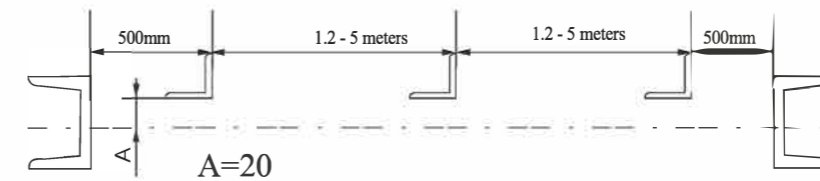
| Type | Poles | A | B | Max.Voltage | Max.Current | Weight (kg) |
|-----------|-------|-----|----|-------------|-------------|-------------|
| HTR-LF-3P | 3 | 120 | 70 | 600V | 140A | 0.22 |
| HTR-LF-4P | 4 | 120 | 90 | 600V | 140A | 0.31 |

Installation Guide

Vertical Design 3P & 4P & 6P



Step1. Support Design



Remark:

- 1) The side design installment is recommended when a camber occurs to the 3-6P safety power rail assembly
- 2) The hanger clamps are supposed to be installed every 0.5meter from the starting point of the running.
- 3) The 3-6P tension part for safety power rails must be installed at the place about 10mm higher than the hanger clamp
This step prevents water from flowing to the power-in place along the safety power rails; so the short circuit will not happen
- 4) The silica gel must be coated on the connected place of the power-in part and safety power rail as weather protection
- 5) The 3-6P safety power rails are not suitable for outdoor usage or the place with high acidic/alkaline environments