

Trolley Collector

Product Introduction

The collector is one of the most important components in the sliding wire system. The collector is the main device for picking up electrical energy on the collector side in the sliding contact line system. It directly conducts electrical energy to the consumer through the sliding contact between the collector brush and the guide rail, thereby achieving mobile power supply of the system. The collector consists of two parts: a tension device with a mechanical structure and a collector brush that directly slides in contact with the guide rail.

The tension device of the mechanical structure determines the sliding contact pressure between the collector brush and the guide rail, as well as the stability of the mechanism. The collector brush is the conductor that picks up electrical energy through the sliding contact of the guide rail. Its performance, conductivity quality, and the quality of the material structure composition will directly affect the safe operation quality of the entire system equipment.



Basic Parameter

| Model | Nominal cross-section (mm ²) | Current carrying capacity(A) | | | | |
|-----------|--|------------------------------|--------|--------|--------|---------|
| | | FC=20% | FC=40% | FC=60% | FC=80% | FC=100% |
| JGHL—240 | 240 | 1000 | 700 | 600 | 510 | 430 |
| JGHL—320 | 320 | 1250 | 950 | 780 | 650 | 550 |
| JGHL—480 | 480 | 1900 | 1400 | 1150 | 960 | 850 |
| JGHL—640 | 640 | 2500 | 1900 | 1550 | 1300 | 1150 |
| JGHL—800 | 800 | 3150 | 2350 | 1950 | 1600 | 1400 |
| JGHL—1000 | 1000 | 3950 | 2900 | 2400 | 2000 | 1800 |
| JGHL—1500 | 1500 | 5900 | 4400 | 3750 | 3050 | 2700 |
| JGHL—1800 | 1800 | 7050 | 5300 | 4450 | 3700 | 3200 |