


# High-Tro-Reel

## <Tension Type>

Multi-Lead Indoor-Use Insulated Trolleys 



### 60A/90A/150A/200A High-Tro-Reel units (for indoor use only)

- Rating 4P600V 60A/90A/150A/200A
- Rated insulation voltage 630V
- Conductor material
  - 60A Steel (8mm) + Copper (20mm)
  - 90A Copper (28mm)
  - 150A/200A Both copper (44mm)
- Insulating sheath material
  - 60A/90A/150A Rigid vinyl chloride (heat resistance: 75°C)
  - 200A Rigid vinyl chloride (heat resistance: 95°C)
  - Green (Munsell 0.1G 4.4/4.4)
  - Yellow (Munsell 2.1Y 8/14)

DH96 custom-made 

Four types (60A, 90A, 150A and 200A), produced at designated lengths (in 1m units).

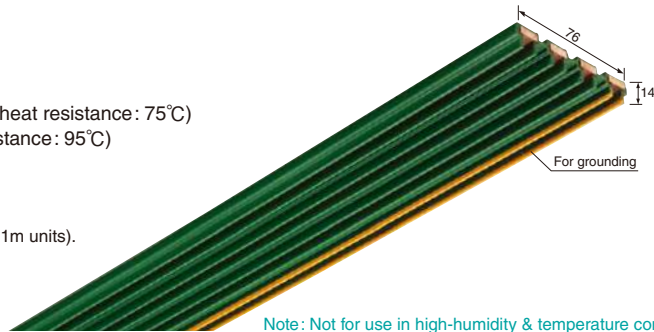
Maximum designated length

60A : 100m

90A : 95m

150A : 65m

200A : 60m



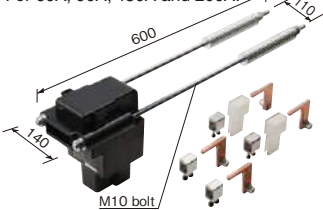
### End tension insulator

Attached to both ends of the High-Tro-Reel unit to absorb expansion and contraction due to temperature fluctuations.

For 60A, 90A, 150A and 200A

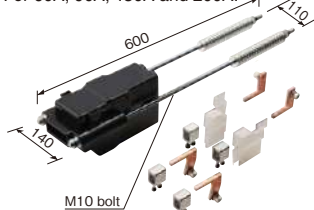
- With feed-in terminal (Cable side-out type).

For 60A, 90A, 150A and 200A.



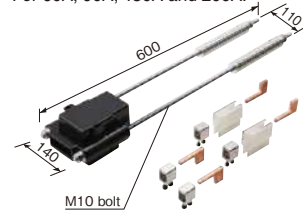
- With feed-in terminal (Cable bottom-out type).

For 60A, 90A, 150A and 200A.



- Without feed-in terminal.

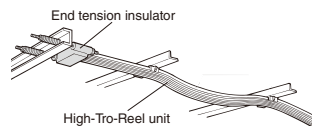
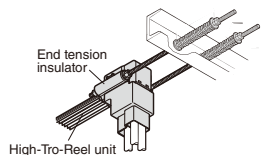
For 60A, 90A, 150A and 200A.



After setting the High-Tro-Reel unit, the terminal, and the terminal plate in the end tension insulator. The terminal plate and the terminal where fixed bolt M6x12 was tightened with the specified torque cannot be used again.

**Don't use them again.**

Please inquire of store purchased when the terminal and the terminal plate are necessary.



- With feed-in terminal (Cable side-out type)

Cat. No.	Type	Weight (kg)
DH57042K	For 4P	2.1

- With feed-in terminal (Cable bottom-out type)

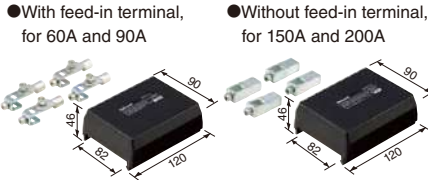
Cat. No.	Type	Weight (kg)
DH57044K	For 4P	2.1

- Without feed-in terminal

Cat. No.	Type	Weight (kg)
DH57142K	For 4P	2.0

**Joiner**

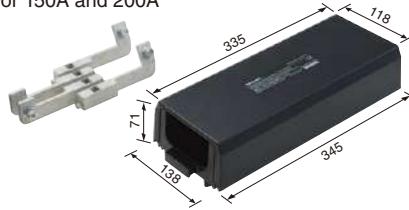
Used to connect the High-Tro-Reel units.  
Can also supply power from anywhere on the line.  
(60A and 90A types)



Cat. No.	Type	Rating	Weight (kg)
DH5724K2	For 4P, 60A/90A	4P600V90A	0.31
DH5727K1	For 4P, 150A/200A	4P600V200A	0.26

**Center feed-in joiner**

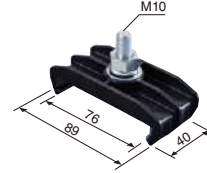
Used to feed power from anywhere on the line and connect the High-Tro-Reel units.  
For 150A and 200A



Cat. No.	Type	Rating	Weight (kg)
DH57271	For 4P, 150A/200A	4P600V200A	2.2

**Hanger**

Used to mount the High-Tro-Reel units on the side of a rail. Can also be used with tension type units.  
Standard support interval is 400mm.



Cat. No.	Type	Weight (kg)
DH5774K2	For 4P	0.07

**Collector arm**

Attached to the moving equipment and used to supply power from the High-Tro-Reel unit to the equipment.



● Tandem type, downward-facing

Cat. No.	Rating	Weight (kg)
DH57443GY2	4P600V30A × 2	2.0
DH57473GY2	4P600V60A × 2	2.2
DH57423GY2	4P600V100A × 2	2.4

**Collector arm support parts for transverse**

Applicable for 30A, 60A, and 100A collector arms. When installing a collector arm horizontally, mounted collector arm support parts for transverse on base of the collector arm as shown.

Note: This product does not carry the CE mark.

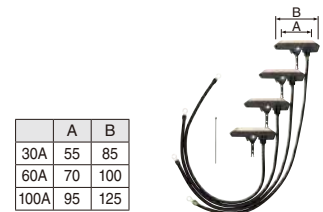


Cat. No.	Weight (kg)	Units per box	Units per carton
DH5249K	0.13	1	24

**Collector (replacement parts)**

Used to replace the collector on a collector arm when it becomes worn.

The collector should be replaced when it wears down to the replacement indication line. Typical collector service life is approximately 5,000km.



Cat. No.	Rating	Weight (kg)
DH5784GY	4P600V30A	0.30
DH5787GY	4P600V60A	0.44
DH5782GY1	4P600V100A	0.67

**EN Specifications (European specifications)**

<p><b>CE</b></p> <p>■ <b>Applicable EN standards for insulated trolleys</b></p> <p>EN60204-1: Electrical equipment of machines EN61439-1,6: Low-voltage switchgear and controlgear assemblies EN61534-1: Powertrack systems</p>	<p>■ <b>Contents of specifications and measures adopted</b></p> <p><b>POINT</b> 12.7.2 Protective conductors The continuity to protective conductors using sliding contacts shall be ensured by taking appropriate measures (for example, duplication of the current collector, continuity monitoring).</p> <p><b>POINT</b> 13.2 Identification of conductors 13.2.1 General requirements Each conductor shall be identifiable at each termination in accordance with the technical documentation.</p> <p><b>POINT</b> 13.2.2 Identification of the protective conductor/ protective bonding conductor The protective conductor/ protective bonding conductor shall be readily distinguishable from other conductors by shape, location, marking, or colour.</p>	<p>→ <b>The construction of collector arm only adopts tandem type.</b></p> <p>→ <b>A collector arm for grounding is designated, so grounding unit is clearly identifiable.</b></p> <p>→ <b>A grounding unit is available in a green basic background color with yellow lines.</b></p>
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