

Collector trolleys:

standard series for high performance

The collector trolleys are available for systems with 4, 5 or 7 conductors and suitable for nominal current capacities of 35A, 70A and 100A (DC 60%). Travel speed up to 80 m/min.

The collector trolley series 'CL' are standard fitted with approx. 1m supply cable with numbered cores. Collector trolley series 'C' are delivered without cable.

The collector trolleys of these series can easily be adapted, e.g. linking 2 collector trolleys together for increasing the maximum current capacity.

C(L)7/G collector trolleys are equipped with wear-resistant gliding shoes, perfectly gliding over the surface of the rail housing and performing a very high stability of the collector trolley during moving.

C(L)7/GS collector trolleys are suitable for **high-speed** operation (up to 200 m/min.). Provided with extra long gliding shoes with integrated **wheel set**. An additional **middle wheel set** ensures maximum stability during travelling.

See picture, table below and selection chart on page 15.

Standard collector trolleys

Click-Ductor collector trolleys are available with 4, 5 or 7 poles with current carrying capacities of **35A**, **70A** and **100A** (duty cycle 60%). Applicable from -20°C up to +80°C (please note that the max. temperature of the Click-Ductor housing is +50°C).

These collector trolleys are fitted as standard with a supply cable. The connection with the apparatus/machine to be fed is via a transition box (ordered separately) which can be located adjacent to the collector trolley towing arm position.

Selection chart of standard collector trolleys + transition boxes

A max.	35		70		100	
number of poles	type no. collect.trolley	type no. trans. box	type no. collect.trolley	type no. trans. box	type no. collect.trolley	type no. trans. box
4	CL7-4-35/G	TTB35-4	CL7-4-70/G	TTB70-4	CL7-4-100/G	TTB100-4
5	CL7-5-35/G	TTB35-7	CL7-5-70/G	TTB70-7	CL7-5-100/G	TTB100-7
7	CL7-7-35/G		CL7-7-70/G		CL7-7-100/G	

When application of **2 separate collector trolleys per apparatus to be fed** (e.g. for transfer installations), the following transition boxes are used:

number of collector trolleys	collector trolley type	transition box type
2 collector trolleys	CL7-4-35/G	TTB70-4
2 collector trolleys	CL7-5-35/G or CL7-7-35/G	TTB70-7
2 collector trolleys	CL7-4-70/G or CL7-5-70/G	OG200-5
2 collector trolleys	CL7-7-70/G	OG200-7
2 collector trolleys	CL7-4-100/G	OG300-4
2 collector trolleys	CL7-5-100/G or CL7-7-100/G	OG300-7

For complete trolley assemblies with transition box and towing arm, please see the table on page 15.

Carbon brushes and gliding shoes

The collector trolleys are supplied as standard with carbon brushes for 35A, positioned according to the table below.

The brushes in positions 4 and 5 are both fitted as double brushes ("twin brushes"). Twin brushes are smaller than the others and their capacity is 35A per set. Advantages of this construction are a **perfect balanced** collector trolley.

Gliding shoes can very easily be mounted to the collector trolley by means of a dovetail construction. See also page 16. Per collector trolley 4 gliding shoes are required. There are special gliding shoes for **high-speed** applications (suffix '.../GS').

CARBON BRUSH TYPES		Standard carbon brushes	
Application	Brush position in collector trolley	Art. no.	for normal conductors
Phase brush** norm.	1,2,3 and 6	1411021	K91P
Phase brush** twin	4 and 5	1410601	C91D
Ground brush	7	1410521	C91A
GLIDING SHOES		Art. no.	
Gliding shoe	4 pcs. per trolley	1331930	
Gliding shoe for 'GS'	4 pcs. per trolley	2130105.B0000	

