



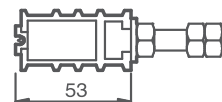
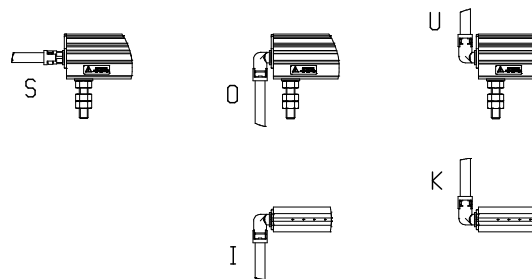
HDC and HDR

Simco-Ion offers a variety of charging bars and electrodes, depending on the specific applications and conditions. These bars are connected to a DC high-voltage generator. A strong, ion-saturated electrical field around the single polarity high voltage points forces the material to a reference earth. The material is charged by the ions. Being attracted by different polarities, the surfaces temporarily cling together. There are various methods of temporarily charging materials electrostatically, using a Simco-Ion Chargemaster system.

These rugged charging bars are used in a variety of industrial applications. The slot at the rear of the charging bar permits easy mounting. HDC charging bars are provided with a resistor to avoid failures in the machine control system in the event of accidental spark-over. The cable output may be straight or rightangled (90°).

The HDR charging bar suits high-velocity applications. Each individual point being fitted with a resistor, so the chance of spark-over is strongly reduced.

Cable exit options



Technical drawing HDC and HDR

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Technical specifications

	HDC	HDR
Working distance	20 mm using <30 kV 75 mm using 30-60 kV	20 mm using <30 kV 75 mm using 30-60 kV
Housing material	PVC	PVC
Ionisation points	special alloy	special alloy
Cable	high voltage cable with PA protective sleeve	high voltage cable with PA protective sleeve
Weight	1 kg/m	1,6 kg/m
Ambient temperature	0- 55 °C	0- 55 °
Use circumstances	industrial	industrial
Operating voltage	0- 60 kV DC	0- 60 kV DC
Option	right angle cable exit	right angle cable exit
Suitable power unit	CM5-30/60	CM5-30/60