

## 7081 Charging Bars

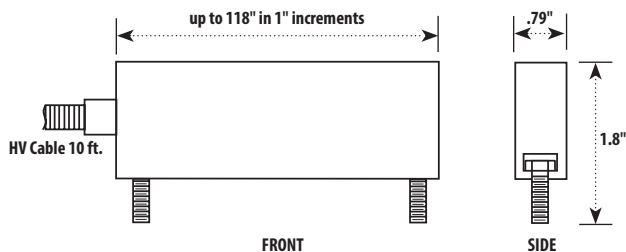


A safe, controllable, reliable and cost-effective method of applying static charge for temporary adhesion in applications including interleaving steel sheets, pinning plastic sheets and webs, bag making, wrapping machines.

Standard lengths available: 6", 12", 18", 24" and 36". Can be ordered up to 118" lengths in one inch increments.

Order as follows: GN-7081-###(10)

### designates the length required; Ex: 12" bar is GN-7081-012(10)



**Dimensions:** H = 1.80" (46mm), W = 0.79" (20mm)

**Dimensions, Length:** up to 118" in 1" increments

**Effective Length:** 2" (50mm) less than overall length

**Cable:** 10' (3m) of in-line protected HV cable with screw-in connector

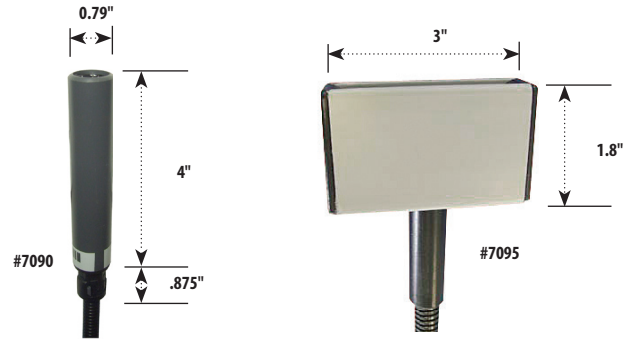
**Emitters:** "stay sharp" alloy

**Mounting Studs:** M8 x 60 MB Nylon

### Operating Range:

- Effective operating distance depends on the application and material being processed. Plastic sheets and webs are much easier to charge than paper or other semi-conductive materials.
- Typical mounting distance from bar-to-object to be charged is 1.5" for 30,000 volts and 1.25" for 15,000-20,000 volts. Start at 2.25" from the object to be charged and reduce distance if required for better effectiveness.
- Mount bar straight and parallel with the object to be charged and the earth ground to ensure an even current coverage.

## 7090 and 7095 Static Pinners



For electrostatic charging of small areas and pinning. Use in "neck-in" applications on cast film lines, edge pinning of films, in-mold labeling and other areas where temporary adhesion of two materials is required.

	#7090	#7095
<b>Size:</b>	0.79" (20mm) dia. 4.875" (122mm) length	3" (75mm) x 1.8" (45mm)
<b>Emitters:</b>	tugsten carbide	6 emitter pins in special alloy
<b>Safety:</b>	100Mohm resistance	100Mohm resistance
<b>Material:</b>	Flame retardant UL94V0 PVC and epoxy	Flame retardant UL94V0 PVC and epoxy
<b>Temperature:</b>	60°C (140°F) max	60°C (140°F) max
<b>Weight:</b>	140g + cable	160g + cable
<b>Cable:</b>	6.5 ft (2m) of HT cable protected by nylon conduit	6.5 ft (2m) of HT cable protected by nylon conduit

## 7093 Edge Pinner



Designed to allow accurate, high performance edge pinning on film.

**Size:** 5.3" (220mm) length x 1.2" (30mm) width

**Emitters:** 0.12" (3mm), available in various lengths

**Safety:** Coupled to HV with 100MOhm

**Material:** PTFE Body; Titanium emitters

**Temperature:** Pinner and emitters 140°C (284°F);  
Cable and conduit 80°C (176°F)

**Cable:** 6.5 ft (2m) of 60kV cable

**Installation/Mounting:** Supplied with polymer mounting brackets