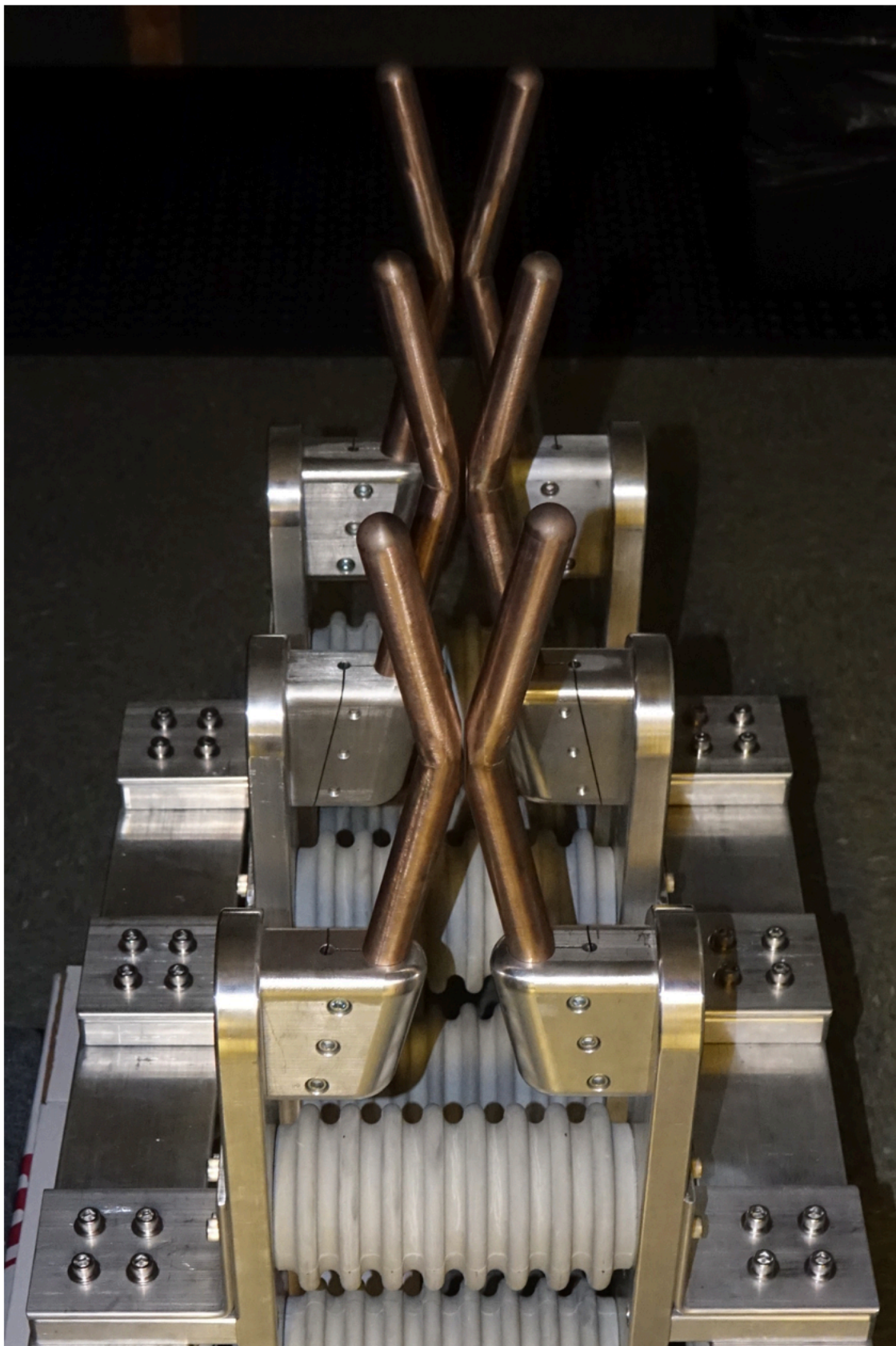


DURA.GAP™



emPRIMUS

DURA.GAP™

The simple and reliable design is the best design

DuraGap™ is used to limit neutral to ground voltage in the unlikely event a ground fault occurs while SolidGround™ is in “*Blocking Mode*” (transformer neutral effectively grounded through capacitors), which is less than 1% of the time.

- Robust, **patented gap preserving design** – dual redundant, triple spark gap assembly
- **Static device** – no triggering electronics or fragile electrodes (**EMP Proof**)
- Can handle **consecutive** neutral overcurrent **faults (56 kA Peak, 20 kA RMS)** for multiple reclosing events, **no readjustment or cool down period required.**
Note: Fault current across DuraGap™ = neutral return current.
- **Adjustable** to provide voltage breakdown protection from 5 kV to 25 kV
- **Preferred by utilities** over the MOV (EPRI). Installed and operational on the grid

In KEMA Lab tests, **DuraGap™** easily carried **20 faults** (8 cycles) with 10 kV breakdown and 56 kA Peak (20 kA RMS) - each with a maximum offset of 2.8 times RMS values - breakdown voltage did ***not*** increase due to the patented gap preserving design. Breakdown voltage was tested under various atmospheric moisture conditions - no change was found.

DuraGap™ Specifications:

Arc current rating	56 kA Peak, 20 kA RMS
Adjustable gap voltage	5 kV to 25 kV
Short time withstand	8 cycles
Voltage breakdown time	< 5 micro-seconds
Energy dissipation per arc	3 Mega joules
Number of faults	> 20 faults

✓ **Higher fault current spark gaps can be provided by order.**

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