

Cert. Ref: TC22-010
Date: 13th January 2022

Swivelpole Group Pty Ltd
Lvl 1, 78 Discovery Drive
Bibra Lake, WA 6163

TESTING CERTIFICATION - ELECTRICAL CONTINUITY OF MAXIS™ JOINTS

We have concluded our testing to determine the presence of electrical continuity through the Maxis™ joint when assembled within a pole structure. All available Maxis™ materials and finishes were tested, together with applicable pole materials and finishes. Testing confirms that electrical continuity is present in all Maxis™ models listed below.

Stanchion & Stanchion Structure Mounted: S1 M1, S2 M1, S3 M1

Structure mounted: ST4 M1, ST4 M2, ST7 M2

Freestanding: F7 M2

Column mounted: C1 M1, C2 M2

Horizontal: H1 M1, HST4 M1

Maxis Joint: R1 M1

Maxis Joint with Pole Top: R2 M1

High Vibration: S1 M1 HVPT, S2 M1 HVPT, S3 M1 HVPT, ST4 M1 HVPT, R2 M1 HVPT

TEST PROCEDURE

The supplied Maxis™ joints were assembled in simulated service conditions between top and base poles. A small current was applied through the Maxis™ joint via a multimeter, attaching one probe to the top pole and a second probe to the base pole. An alarm on the multimeter confirmed the presence of electrical continuity through all Maxis™ Joints tested.

Maxis Material	Maxis Surface Finish	Top and Base Pole Material	Electrical Continuity
Carbon Steel (GR350)	Zinc Aluminium	HDG Steel	Pass
		Aluminium	Pass
Carbon Steel (GR350)	HDG	HDG Steel	Pass
		Aluminium	Pass
Stainless Steel	Uncoated	Stainless Steel	Pass



All Maxis™ joints were supplied fully assembled from stock, including grease applied to internal fitment faces. Top and base poles were fastened in position by tightening the supplied grub screws to Swivelpole™ recommended torque settings.

Best regards,



Ben Hughes
Principal Engineer
Geometric Pty Ltd