

maxis°

Technical Specifications – Maxis™ Joint and Assemblies

MAXIS™ JOINT MATERIAL & FINISH				Note: Maxis [™] M1 and M2 components form part of lowering light poles which	
Material: Steel - Grade AISI 1 Investment Cast		316 Investment	ss Steel - Grade AISI Cast	are supplied independent of light fixture. As the final structural loading is dependent on the light fixture fitted and installation location, it is the design re sponsibility of the specifying engineer to ensure the structural adequacy of the	
Finish: Zinc Aluminum coatin				- model contained in the final installed light pole assembly, based on the limits of	
Compatible with hot-dip galvanised and aluminium products.				its structural elements provided above.	
MANUFACTURING STANDARDS – MAXIS™ ASSEMBLIES					
Steel Structures		AS 4100		The adequacy of the guardrail and supporting structure must be verified	
Structural Design Actions		AS/NZS 1170		by a site approved engineer. Swivelpole Group Pty Ltd and or Exemplar	
Steel Pipe		AS/NZS 1163 & ASTM A500		Products Pty Ltd, subsidiaries and related entities ("Swivelpole") will accept	
Stainless Steel Pipe		ASTM A312 &	ASME B36.19	no responsibility for failure due to inadequacy of the supporting structure or guardrail to which the Maxis [™] is mounted.	
Hot-dip galvanising		ASTM A213 (U	SA)		
		CSA G164 (Ca	,	DESIGN COMPLIANCE	
		AS/NZS 4680	. ,	The Swivelpole [™] product range has been developed to meet the design	
Aluminum Pipe 6061 T6 or 6082 Te		AS/NZS 1866 (Australia) ASTM B429 (USA & Canada)		criteria of a range of site conditions, including hurricane winds and hazardous	
				<pre>_ environments For additional information on our products and product configurations to suit _ your design compliance needs, please contact us at sales@swivelpole.com.</pre>	
CERTIFICATION & CLASSIFICATION					
Maxis™ M1 and M2 models are listed by CSA as				Site engineers are responsible for determining the relevant design criteria,	
Certified under Master Contract number 257018, Certificate of Compliance 2568504, to the following standards:			darda	including design wind speed and to select the appropriate products from the Swivelpole [™] product range to meet this criteria.	
 CSA Class 3426 02 - CSA C22.2 No.250.00-18 (Canada) CSA Class 3426 82 - UL 1598; 4th Edition (US): 				WARRANTIES*	
• CSA Class 3426 82 - OL 1596; 4th Edition (US): C = US Acceptable for installation in Class 1, Division 2, Group A, B, C, and D				5 year limited warranty	
Hazardous Locations, CSA Document 70216456. Complies with the following				1. All equipment and goods are warranted by the seller to be free from defects	
standards, to the extent applicable:				in material and workmanship for five (5) years from the date of shipment.	
 CSA C22.2 No. 213-17/UL12.12.01_9th Edition 				Normal wear of equipment or goods, equipment or goods which are misused, abused, or damaged, or not used in accordance with the seller's instructions are excluded in this warranty. No warranty shall apply or responsibility be taken for any modifications, alterations or additions to the standard product design. This includes exceeding recommended maximum weights for any fittings or exceeding the installed height.	
Requirements for Class I, Division 2 equipment					
C22.1 – 2018 Canadian Electrical Code Part 1: Safety Standard for Electrical Installation					
Canadian Electrical Code Part 1; Safety Standard for Electrical Installation					
Acceptable for installation in Class II Division 2, Groups E, F and G Hazardous Locations, CSA Document 70216455. Class II Division 2 product					
available upon request.					
Maxis™ M1 and M2 models have been evaluated as structurally adequate				No warranty shall apply on the zinc aluminum or hot-dip galvanized finishes, where the product is exposed to caustic chemical contact or extreme chemica	
by a 3 rd party Structural Engi				environments.	
(Stainless Steel)) in accordance with the following relevant publications:				The adequacy of the High Vibration Pole Top (HVPT) is not guaranteed/ warranted for specific site suitability due to the vibration frequency variances in site and structure conditions. We can guarantee that the HVPT will improve performance and extend design life when compared to an ordinary pole exposed to the same vibrations. Swivelpole Group Pty Ltd and or Exemplar Products Pty Ltd, subsidiaries and related entities ("Swivelpole") will accept no responsibility or liability, direct or consequential, for failure of this product. 2. Equipment or goods not manufactured by the seller but supplied through the seller shall carry the warranty of the original manufacturer. The seller's sole liability under this warranty shall be limited to either replacing or repairing without charge, at its factory or elsewhere at its discretion, any equipment or goods not meeting this warranty, or at seller's option, refunding the purchase price. The seller shall in no event be liable for any other direct or any special indirect or consequential damages of any kind under this contract	
 National Building Code of Canada - Canadian wind-load data CSA Standard S6 - Canadian Highway Bridge Design Code 					
• CSA standard S6 - Canadian Highway Bridge Design Code • CSA standard S16 (steel poles)					
AASHTO (American Association of State Highway and Transportation					
Officials), standard					
LTS (Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals)					
The models are suitable for specification in the USA and Canada when					
loadings have been calculated in accordance with the above standards and					
design actions as listed in the Structural Certificate referenced above.					
BENDING MOMENT CAPACITY					
The following summarises the capacity of pole tops tested with the Maxis [™]					
joint assembly and the load exceeded in testing. The tabulated capacities					
represent the loading in which testing was terminated and the joint remained				or otherwise.	
functional.				* Subject to change without notice.	
Maxis™ Max Top Pole Size (GR350 Carbon St		Joint capacity exce	eded in testing (kNm)	COPYRIGHT & PATENT	
Model GR205 Stainless S		Carbon steel	Stainless steel	This document is the property of and protected by copyright owned by	
M1 DN32 (42.4x4.9)		3.11	1.64	Swivelpole Group Pty Ltd and or Exemplar Products Pty Ltd. The designs and	
M1 DN40 (48.3x3.67)		3.11	1.64	other information embodied in this document comprise confidential information	

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5.23

2.76

DN50 (60.3x5.54)

M2