

# Product Type Approval Certificate

*Provisional*


This certificate is issued to:

<b>Supplier name and address:</b>	Ingal EPS PO Box 3559 Sunnybank South, QLD 4109
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In respect of:

<b>Manufacturer:</b>	Valmont Industries (China) Ltd
<b>Place of manufacture:</b>	No. 100 Sanbang Road, Songjiang Industry Development Zone, Shanghai, China
<b>Product description:</b>	Steel poles in accordance with the details in Annexure 1
<b>Use approved for:</b>	HV aerial line support structure
<b>Conditions of approval:</b>	<ul style="list-style-type: none"> <li>This type approval is provisional. Full type approval is subject to satisfactory completion of integrated support arrangements, including technical maintenance plan (TMP) approval.</li> <li>Steel poles shall be selected and verified by a civil structures design AEO for compliance with T HR EL 10001 <i>ST HV Aerial Line Standards for Design and Construction</i>.</li> <li>Footings and foundations for steel poles shall be selected and designed by the applicable civil AEO to comply with drawing CV0528089 <i>Steel Pole Foundations</i>.</li> </ul>
<b>Limitations:</b>	NA

## Evaluating rail transport operator

<b>Name:</b>	Terry Niemeier
<b>Position:</b>	Lead Electrical Engineer, Asset Standards Authority, Transport for NSW
<b>Signature:</b>	
<b>Date:</b>	04/07/2019

**Product approval pack reference number:** qA633754

## Annexure 1 Type approved Valmont steel poles

Fitting number	Reference drawing number	Description
T18/3	CV0617898	Valmont 11 m 16 kN Type J
T18/4	CV0617896	Valmont 11 m 16 kN Type U2
T18/5	CV0617902	Valmont 17 m 24 kN Type U3
T18/7	CV0617884	Valmont 15.5 m 16 kN Type A
T18/8	CV0617899	Valmont 15.5 m 16 kN Type F
T18/9	CV0617887	Valmont 15.5 m 24 kN Type D
T18/10	CV0617869	Valmont 17 m 16 kN Type A
T18/11	CV0617885	Valmont 17 m 16 kN Type C
T18/12	CV0617870	Valmont 17 m 16 kN Type D
T18/13	CV0617886	Valmont 17 m 16 kN Type E
T18/14	CV0617871	Valmont 17 m 16 kN Type G
T18/15	CV0592994	Valmont 17 m 16 kN Type U1
T18/16	CV0617872	Valmont 17 m 24 kN Type A
T18/17	CV0617873	Valmont 17 m 24 kN Type C
T18/18	CV0617874	Valmont 17 m 24 kN Type D
T18/19	CV0617901	Valmont 17 m 40 kN Type U1
T18/20	CV0617875	Valmont 18.5 m 24 kN Type A
T18/21	CV0617876	Valmont 18.5 m 24 kN Type B
T18/22	CV0617877	Valmont 18.5 m 24 kN Type C
T18/23	CV0617878	Valmont 18.5 m 24 kN Type D
T18/24	CV0617879	Valmont 18.5 m 24 kN Type G
T18/25	CV0617893	Valmont 18.5 m 40 kN Type D
T18/26	CV0617894	Valmont 18.5 m 40 kN Type G
T18/27	CV0617888	Valmont 18.5 m 24 kN Type H
T18/28	CV0617897	Valmont 18.5 m 40 kN Type U4
T18/29	CV0617880	Valmont 20 m 24 kN Type A
T18/30	CV0617881	Valmont 20 m 24 kN Type B

<b>Fitting number</b>	<b>Reference drawing number</b>	<b>Description</b>
T18/31	CV0617882	Valmont 20 m 24 kN Type C
T18/32	CV0617889	Valmont 20 m 24 kN Type D
T18/33	CV0617890	Valmont 22 m 24 kN Type A
T18/34	CV0617883	Valmont 22 m 24 kN Type B
T18/35	CV0617891	Valmont 22 m 24 kN Type C
T18/36	CV0617892	Valmont 22 m 24 kN Type D
T18/37	CV0617900	Valmont 22 m 40 kN Type D
T18/38	CV0617895	Valmont 28 m 24 kN Type D