



Mid hinge poles

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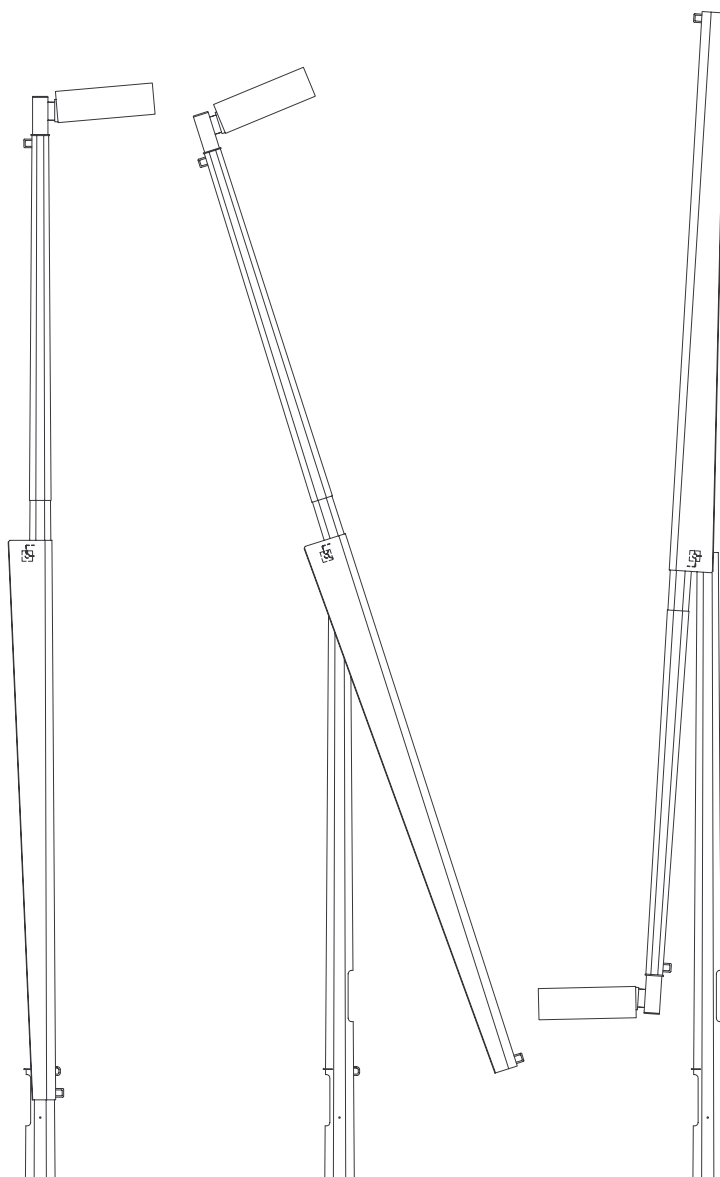
The mid hinge or see saw pole is designed to allow maintenance of luminaires in areas where access to the pole is restricted or limited. The hinging operation using a see saw principle allows the pole and luminaire to be lowered to ground level without the need of any elevated works platform equipment such as a cherry picker. There is also no need for any expensive hydraulic raising and lowering equipment other than one trained technician equipped with a rope.

Applications

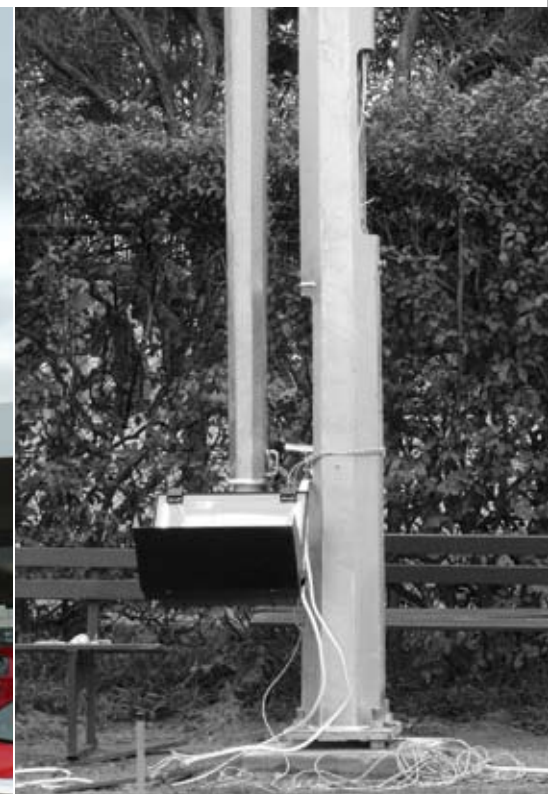
Airports
 Camera poles
 Street lighting under power lines
 Sporting ovals
 Lawn bowls club
 Multi level car parks
 Construction sites
 Mining sites
 Railway stations
 Car park lighting
 Shopping centres

Design options & accessories

- Operator training available
- The mid hinge pole range is base plate mounted, with either hold down bolts or in-ground stub.
- All poles are hot dip galvanized to AS/NZS 4680:2006, and can be powder coated or painted.
- The mid hinge pole range is available in standard heights of 5 metres to 30 metres, smaller or larger heights are also available upon request.
- All pole accessories such as luminaire crossarms, adaptors and headframes are available
- Extra access doors for the larger tapered octagonal poles.
- Security or tamper proof screws for access door covers.
- The product data sheet represents the standard range, but other heights, section sizes and deflection criteria can be custom designed to meet specific requirements.
- Slip joint assembly required.



Mid hinge poles



NOMINAL HEIGHT m	PRODUCT CODE	MAXIMUM SAIL AREA (m ²) TERRAIN CATEGORY		MAXIMUM TOP MASS kg	POLE DIAMETER		DOOR SIZE		BOLT CONFIGURATION PCD	LIMIT STATE BASE MOMENT kNm	LIMIT STATE BASE SHEAR kN	POLE MASS kg
		2	3		TOP mm	BOTTOM mm	LENGTH mm	WIDTH mm				
LIGHT DUTY												
5	MHLP5BPL	1.12	1.40	60	90	170	295	110	4 x M20@233	7.8	2.0	152
6	MHLP6BPL	1.14	1.40	60	90	170	295	110	4 x M20@233	10.2	2.3	156
8	MHLP8BPL	1.44	2.10	70	94	205	410	130	4 x M24@350	19.4	3.4	229
10	MHLP10BPL	0.74	1.32	65	90	210	410	130	4 x M24@350	18.4	3.2	250
12	MHLP12BPL	0.68	1.20	70	90	265	610	190	4 x M24@350	25.8	4.4	300
18	MHLP18BPL	0.91	1.75	100	90	325	610	190	4 x M36@500	74.4	9.0	649
20	MHLP20BPL	0.91	1.75	100	95	390	610	190	4 x M36@500	98.5	11.6	888
MEDIUM DUTY												
8	MHLP8BPM	1.76	2.60	100	135	270	610	190	4 x M24@350	24.0	4.3	275
10	MHLP10BPM	1.72	2.50	100	110	270	610	190	4 x M24@350	33.2	5.1	356
12	MHLP12BPM	1.03	1.60	70	90	265	610	190	4 x M24@350	31.2	4.8	333
13.5	MHLP13.5BPM	0.79	1.40	100	120	265	610	190	4 x M30@350	37.3	5.5	449
15	MHLP15BPM	0.36	1.00	80	115	265	610	190	4 x M30@350	38.9	5.9	469
18	MHLP18BPM	1.45	2.50	120	90	365	610	190	8 x M30@500	93.8	10.5	735
20	MHLP20BPM	1.72	2.50	120	95	385	610	190	8 x M30@500	125.0	12.6	897
22	MHLP22BPM	1.82	3.00	140	95	400	610	190	8 x M30@500	156.4	15.1	1370
25	MHLP25BPM	2.01	3.50	160	100	575	610	190	16 x M30@800	229.8	21.7	1756
30	MHLP30BPM	2.06	3.60	140	115	570	610	190	16 x M30@800	343.4	27.9	2675
HEAVY DUTY												
12	MHLP12BPH	1.62	2.35	100	95	265	610	190	4 x M30@350	41.2	5.5	456
15	MHLP15BPH	1.56	2.60	100	90	265	610	190	4 x M30@350	66.2	7.7	649

NOTES:- INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE, PLEASE ENSURE THAT INFORMATION IS CURRENT AT TIME OF ORDER

1 - TOPOGRAPHIC MULTIPLIER (M) IN ACCORDANCE WITH AS1170.2 - 1.0

2 - TERRAIN CATEGORY IN ACCORDANCE WITH AS1170.2

3 - BASE OF POLE AT GROUND LEVEL AND NOT ELEVATED

4 - SERVICABILITY DEFLECTION LIMIT = HEIGHT DIVIDED BY 15

5 - MAXIMUM SAIL AREAS HAVE BEEN DESIGNED FOR LIGHTING ONLY

6 - POLE DIAMETER IS MEASURED AS THE FLAT TO FLAT DIMENSION

7 - SAIL AREAS AND TOP MASSES DO NOT INCLUDE ALLOWANCE FOR MAINTENANCE ACCESS

8 - IMPORTANCE LEVEL 1 IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA

9 - ALL POLES DESIGNED FOR REGION A IN ACCORDANCE WITH AS1170.2

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