Power Poles

Duraspun® Power Poles

Duraspun® concrete poles are employed by most Australian electricity authorities for power transmission and distribution. They are suitable for the construction of new power lines and as replacement poles in existing lines.

Poles can be purpose-designed to meet specific requirements. A wide range of pole lengths and strengths is available. Duraspun® transmission poles are manufactured from pre-stressed or conventionally reinforced concrete, offering great strength, durability and versatility in line design and construction.

Power Poles – Product range

Transmission Poles - Duraspun® transmission poles are available in a full range of pole lengths and tip strengths to suit most design and construction requirements. Poles over 24m in length are manufactured in sections and are joined on site using a patented structural lug jointing system.

Distribution Poles - The extensive Duraspun® distribution pole range covers all low and high voltage applications. They provide a cost-effective means of installing new lines or replacing old. Poles are supplied with all necessary holes and ferrules precast into the pole to enable rapid pole dressing on site.

Sub-station Poles - Duraspun® sub-station poles are purpose designed and manufactured for the mounting of high voltage transformers and associated equipment such as fuses and switch gear. Generally, transformers up to 500 kVa can be mounted on these poles.

Power Poles - Conventionally reinforced

Ultimate Strength (kN)	Pole Length Range (m)	Tip diameter (mm)
6	6.5 - 10.5	150
10	8.0 - 15.5	225
16	8.0 - 24.0	240
24	8.0 - 30.0	270/315
32	11.0 - 33.0	315
40	11.0 - 33.0	330/360
60	17.0 - 36.0	405
80	17.0 - 36.0	450

Power Poles -Pre-stressed

Ultimate Strength (kN)	Pole Length Range (m)	Tip diameter (mm)
16	17.0 - 24.0	270
24	8.0 - 39.5	270 - 540
32	17.0 - 39.5	315 - 540
40	17.0 - 39.5	360 - 540
60	17.0 - 39.5	450 - 540
80	17.0 - 39.5	495 - 540

Note: Poles over 24m in length are supplied in multiple sections. Contact Rocla Concrete Poles for section lengths, embedment depths and other dimensions and properties.