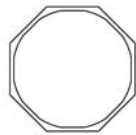


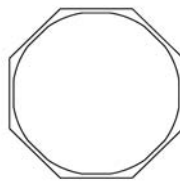


Engineering Specifications

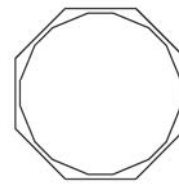
The Powertrusion product line of poles have been specifically engineered to withstand the environmental forces of mother nature and to withstand the test of time. The three profiles are pultruded with a hybridized polyurethane resin system with an E-glass reinforcement package. The resin contains superior UV inhibitors, in addition, the pole is shrouded with a polyester surfacing veil that provides 10 mils of superior UV protection against the sun’s harmful rays. The extremely durable, light weight, high strength POWERTRUSION poles are the strongest, cost effective pultuded poles in the marketplace. In addition, the poles are pultruded by Creative Pultrusions, Inc., the world’s foremost pultruder. Creative has been in the pultrusion business for over 36 years and is world renowned as the pultruder of choice for high strength, polyurethane pultrusions.



CP076
8" x .25" wall
(203mm x 6.3mm)



CP074
10.2" x .25" wall
(259mm x 6.3mm)



CP210
10.2" x .275" wall
(259mm x 7mm)

Mechanical and Physical Properties

	8" (203mm) Light Duty CP076	10.2" (259mm) Med. Duty CP074	10.2" (259mm) Heavy Duty CP210
Mechanical Properties			
Flexural strength (full section)	40,000 psi (275.8 Mpa)	42,000 psi (289.6 Mpa)	50,000 psi (344.7 Mpa)
Axial Compression Strength	40,000 psi (275.8 Mpa)	42,000 psi (289.6 Mpa)	50,000 psi (344.7 Mpa)
Modulus of Elasticity	3.8E6 psi (26.2 Gpa)	4.0E6 psi (27.5 Gpa)	4.5E6 psi (31.0 Gpa)
Physical Properties			
Moment of Inertia (in ⁴)/(mm ⁴)	60.87/(2.53E7)	139.69/(5.81E7)	171.57/(7.14E7)
Section Modulus (in ³)/(mm ³)	15.22/(2.49E5)	27.39/(1.30E5)	33.64/(5.51E5)
Radius of Gyration (in)/(mm)	2.81/(71.4)	3.60/(91.4)	3.57/(90.7)
Weight (lbs/ft)/(N/m)	6.33/(92.4)	8.82/(128.7)	11.05/(161.3)