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**BC Helical Pile Selection Table**

BC Helical Pile ID	Project Classification	Application	Outside Diameter (O.D.)	Maximum Compressive Bearing Capacity (working load) <sup>1</sup>		Maximum Tensile Capacity (working load) <sup>2</sup>		Maximum Lateral Capacity (working load) <sup>2</sup>		Factored Bending Resistance	
			(in)	lbs	kN	lbs	kN	lbs	N	ft-lbs	N-m
BCHP1	Light Residential	Deck, patio	1.9"	5000	22	2500	11	225	1001	1010	1369
BCHP2	Medium Residential	Carport, sunroom, modifications and additions on a single storey residential structure	2.4"	9500	42	4750	21	450	2002	1785	2420
BCHP3	Heavy Residential, Light to Medium Commercial and Industrial	Cottage, cabin, mobile home, modifications/ extensions of two storey residential structures, garden shed, underpinning, pedestrian bridge, laneway house	3.5"	30000	133	15000	67	2250	10008	6454	8750
BCHP4	Heavy Residential, Light to Medium Commercial and Industrial	Cottage, cabin, mobile home, modifications/ extensions of two storey residential structures, garden shed, underpinning, pedestrian bridge, laneway house	4.0"	45000	200	22500	100	2700	12010	9411	12760
BCHP5	Heavy residential, Light to Heavy Commercial and Industrial	cottage, cabin, mobile home, sign, lamp post underpinning, pedestrian bridge, residential bridge	5.6"	50000	222	25000	111	4500	20017	21316	28901
BCHP6	Light to Heavy Commercial and Industrial	cottage, cabin, mobile home, sign, lamp post, underpinning, residential bridge	6.6"	50000	222	25000	111	6750	30025	33876	45930

1. The Maximum bearing capacity (working load) is governed by the maximum allowable equipment torque capacity and includes a factor of safety of 2.

Note: For loading conditions with lack of lateral support, an approval must be obtained from the engineering department of BC Helical Piles LTD.

2. The values provided in the above table may vary based on the properties of the soil and other factors impacting the loading condition.