Magnum® Piering
Helical Post Base Specifications

Magnum® Post Base Products	System Ratings & Specifications													
	Shaft Design Wall Gauge (in)	Shaft O.D. (in)	Casing Design Wall Gauge (in)	Casing O.D. (in)	Allowable Torque (ft-lbs)	Flexural Strength				Helix Sizes *(single edge helix)* (in)	Helix Gauge (in)	Surface Coating**	Standard Lengths *(custom sizes available)* (ft)	Schematic
						Standard		With Slot						
						Ultimate (kip-ft)	Allowable (kip-ft)	Ultimate (kip-ft)	Allowable (kip-ft)					
MBSS8	0.125	3.00	0.109	8.63	14,000	27	16	22	13	8S, 6S	0.375	G, NG	3-10	
MBSS12	0.25	3.00	0.109	12.75	30,000	57	34	50	30	12S, 8S	0.375	G, NG	6-20	
MBSS16	0.25	4.50	0.109	16.00	53,000	87	52	78	47	16S, 12S	0.625	G, NG	10-30	
MBSR8	0.125	3.00	0.250	8.63	16,000	70	42	57	34	8S, 6S	0.375	G, NG	3-10	
MBSR12	0.25	3.00	0.250	12.75	30,000	138	83	130	78	12S, 8S	0.375	G, NG	6-20	
MBSR16	0.25	4.50	0.250	16.00	68,000	227	136	205	123	16S, 12S	0.625	G, NG	10-30	

Notes:
*Lateral capacity is approximate and based on stiff clay or medium sand (SPT N>10) or better soils. Theoretical deflection is limited to 3" or less at the pile head. Lateral load is applied at distance shown above ground surface (a.g.s.). Contact Magnum's technical support and engineering team for site specific solar pile designs.

**G = Hot-Dip Zinc Galvanized per ASTM A123/A153, NG = Bare Steel

Most Magnum helical pile products are manufactured using minimum 65 ksi minimum yield strength structural tubing, or better, for the shaft and ASTM A36 plate steel, or better, for the helical bearing plates. As Magnum is committed to testing and improving products, these specifications are subject to change. Additional product specifications available at **www.magnumpiering.com** and in the Magnum Helical Pile Engineering Reference Manual available upon request. Structural capacity is for piles in firm soil with fully braced pile cap. Structural capacity takes into account corrosion over IBC design life in moderate to high corrosive soils based on ICC-ES AC358. Consult a Magnum corrosion engineer for severe corrosive soils.