

Square Shaft (SS) Helix Thickness and Mechanical Strength

DEFAULT (STANDARD)				OPTIONS		
Product Series	Helix Grade ksi (mPa)	Thickness in (mm)	Mechanical Strength kip (kN)	Helix Grade ksi (mPa)	Thickness in (mm)	Mechanical Strength kip (kN)
SS125	50 (345)	3/8 (9.5)	30 (133)	50 (345)	½ (13)	35 (156)
SS1375	50 (345)	3/8 (9.5)	30 (133)	50 (345)	½ (13)	35 (156)
SS5	50 (345)	3/8 (9.5)	40 (178)	50 (345)	½ (13)	45 (200)
				80 (552)	3/8 (9.5)	40 (178)
				80 (552)	½ (13)	50 (222)
SS150	80 (552)	3/8 (9.5)	40 (178)	50 (345)	½ (13)	45 (200)
SS175	80 (552)	3/8 (9.5)	50 (222)	80 (552)	½ (13)	60 (267)
SS200	80 (552)	½ (13)	60 (267)			
SS225	80 (552)	½ (13)	60 (267)			

The mechanical strength ratings are minimum values. The helix diameter, grade, and thickness along with the shaft series to which an individual helix is connected effect the mechanical strength rating of a helix. A higher mechanical strength rating of an individual helix is possible depending on the combination of these variables.