

Square Shaft (SS) Helical Section Properties

| PRODUCT SERIES | SHAFT SIZE in (mm) | WALL THICKNESS in (mm) | METAL AREA in ² (cm ²) | PERIMETER in (cm) | MOMENT OF INERTIA in ⁴ (cm ⁴) <i>I_{x-x}, I_{y-y}, I_{x-y}</i> | SECTION MODULUS in ³ (cm ³) | |
|----------------|-----------------------|---------------------------|--|----------------------|---|---|------------------------|
| | | | | | | <i>S_{x-x}</i> <i>S_{y-y}</i> | <i>S_{x-y}</i> |
| SS125 | 1.25 (32) | solid | 1.55 (10.0) | 4.79 (12.17) | 0.20 (8.3) | 0.32 (5.3) | 0.24 (3.9) |
| SS1375 | 1.375 (35) | solid | 1.88 (12.1) | 5.29 (13.4) | 0.29 (12.1) | 0.42 (6.9) | 0.32 (5.2) |
| SS5 | 1.5 (38) | solid | 2.2 (14.2) | 5.6 (14.2) | 0.40 (16.5) | 0.53 (8.7) | 0.42 (6.9) |
| SS150 | 1.5 (38) | solid | 2.2 (14.2) | 5.6 (14.2) | 0.40 (16.5) | 0.53 (8.7) | 0.42 (6.9) |
| SS175 | 1.75 (44) | solid | 3.1 (19.4) | 6.6 (16.7) | 0.75 (31.1) | 0.85 (13.9) | 0.66 (10.8) |
| SS200 | 2 (51) | solid | 3.9 (25.3) | 7.5 (18.9) | 1.26 (52.4) | 1.26 (20.6) | 0.98 (16.1) |
| SS225 | 2.25 (57) | solid | 5.0 (32.1) | 8.5 (21.5) | 2.04 (84.9) | 1.81 (29.7) | 1.40 (22.9) |