|  | Low Reynolds Number | | High Reynolds Number | |
| --- | --- | --- | --- | --- |
| Name | Dimensions (m) | # Cells | Dimensions (m) | # Cells |
| Foreground | | | | |
| Top Left | Width: 1.5; Length: 2.5 | 1200 | Width: 2.25;  Length: 6 | 1200 |
| Top Right | Width: 1.5; Length: 2.5 | 1600 | Width: 2.25;  Length: 2 | 1600 |
| Center Top | Width: 2.5; Length: 2.5 | 1800 | Width: 1.75;  Length: 6 | 1800 |
| Center Bottom | Width: 2.5; Length: 2.5 | 1800 | Width: 1.75;  Length: 6 | 1800 |
| Bottom Left | Width: 1.5; Length: 2.5 | 1200 | Width: 2.25;  Length: 6 | 1200 |
| Bottom Right | Width: 1.5; Length: 2.5 | 1600 | Width: 2.25;  Length: 2 | 1600 |
| Total | Width: 8;  Length 5 | 9200 | Width: 8;  Length: 8 | 9200 |
| Inner Cylinder | | | | |
| Cylinder Slice (x8) | Inner Radius: 0.5;  Outer Radius: 3.5;  Arc Angle: 45° | 800 | Inner Radius: 1;  Outer Radius: 2.5;  Arc Angle: 45° | 1600 |
| Total | Inner Radius: 0.5;  Outer Radius: 3.5;  Arc Angle: 360° | 6400 | Inner Radius: 1;  Outer Radius: 2.5;  Arc Angle: 360° | 12800 |
| Wake | | | | |
| Top Left | Width: 1.5; Length: 2.5 | 1200 | Width: 2.25;  Length: 2 | 1200 |
| Top Right | Width: 1.5; Length: 12.5 | 4000 | Width: 2.25;  Length: 18 | 4000 |
| Center Top | Width: 2.5; Length: 12.5 | 6000 | Width: 1.75;  Length: 6 | 6000 |
| Center Bottom | Width: 2.5; Length: 12.5 | 6000 | Width: 1.75;  Length: 6 | 6000 |
| Bottom Left | Width: 1.5; Length: 2.5 | 1200 | Width: 2.25;  Length: 2 | 1200 |
| Bottom Right | Width: 1.5; Length: 12.5 | 4000 | Width: 2.25;  Length: 2 | 4000 |
| Total | Width: 8;  Length 15 | 22400 | Width: 8; Length 20 | 22400 |
| Total | | | | |
| Total Mesh | Width: 8;  Length: 15 | 38000 | Width: 8;  Length: 20 | 44400 |