**Value Sets For Calculations of Single Acting Cylinder**

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| **Name of Fields** | **Value Set -1** | **Value Set -2** |
| Weight of Load | 400 | 150 |
| Angle of Inclination (A) | 30 | 10 |
| Force (F) | 200.00 | 25.50 |
| Speed(S) | 5 | 5 |
| FS | 300.00 | 38.25 |
| Air Pressure(psi) | 20 | 800 |
| Cylinder Area | 15.00 | 0.05 |
| Cylinder Diameter | 6 | 0.3125 |