IP Rating Chart

IP ratings are represented by combining the first and second digits of the following columns. See example below.

**1st Digit - SOLID**
Degree of protection against solid objects

- **0**: No Protection
- **1**: Protected against a solid object greater than 50mm, such as a hand.
- **2**: Protected against a solid object greater than 12.5mm, such as a finger.
- **3**: Protected against a solid object greater than 2.5mm such as a wire.
- **4**: Protected against a solid object greater than 1.0mm, such as a thin strap.
- **5**: Dust Protected. Prevents ingress of dust sufficient to cause harm.
- **6**: Dust tight. No ingress of dust.

**2nd Digit - LIQUID**
Degree of protection against water

- **0**: No Protection
- **1**: Protected against water drops.
- **2**: Protected against water drops at a 15 degree angle.
- **3**: Protected against water spray at 60 degree angle.
- **4**: Protected against water splashing from any angle.
- **5**: Protected against water jets from any angle.
- **6**: Protected against powerful water jets and heavy seas.
- **7**: Protected against the effects of temporary submersion in water. (30 minutes at 3 feet)
- **8**: Protected against the effects of permanent submersion in water. (Up to 13 feet)

**Example:**

IP 65

- Protected against water jets from any angle.
- Dust tight. No ingress of dust.