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.