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.

Example:

IP 6 5

Protected against water jets from any angle.

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)