

IP Rating Chart

IP stands for **Ingress Protection** and is formed with two numbers

IP44

The two numbers refer to two separate levels of protection

The first digit shows the level of protection against solid objects

The second digit shows the level of protection against water

0	No protection against contact and ingress	
1	Protection from solid objects larger than 50mm diameter (hands/large tools)	
2	Protection from solid objects larger than 12.5mm diameter (hands/large tools)	
3	Protection from solid objects larger than 2.5mm diameter (small tools/wires)	
4	Protection from solid objects larger than 1.0mm diameter (wires)	
5	Sufficient protection against entry of dust that interferes with equipment	
6	Complete dust protection (No ingress of dust)	

0	No protection	
1	Protection against vertically falling drops of water	
2	Protection against vertically falling water drops when tilted at 15° angle	
3	Protection against water spraying up to 60° on either side	
4	Protection against water spraying at all practicable angles	
5	Protection against low pressure water jets from all practicable angles	
6	Protection against powerful water jets from all practicable angles or heavy seas	
7	Protection against temporary submersion under defined conditions of pressure and time	
8	Protection against continuous submersion in water	