

AS/NZS IP RATING CHART

FIRST NUMERAL — PROTECTION AGAINST INGRESS OF SOLID OBJECTS			
IP	Requirements	Example	Protection of persons against access to hazardous parts with:
0	No Protection		Non-protected
1	Full penetration of 50mm diameter sphere not allowed. Contact with hazardous parts not permitted		Back of hand
2	Full penetration of 12.5mm diameter sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts		Finger
3	The access probe of 2.5mm diameter shall not penetrate		Tool
4	The access probe of 1.0mm diameter shall not penetrate		Wire
5	Limited ingress of dust permitted (no harmful deposit)		Wire
6	Totally protected against ingress of dust		Wire

SECOND NUMERAL — PROTECTION AGAINST HARMFUL INGRESS OF WATER			
IP	Prescriptions	Example	Protection from water
0	No Protection		Non-protected
1	Protected against vertically falling drops of water. Limited ingress permitted		Vertically dripping
2	Protected against vertically falling drops of water with enclosure tilted 15° from the vertical. Limited ingress permitted		Dripping up to 15° from the vertical
3	Protected against sprays to 60° from the vertical. Limited ingress permitted		Limited spraying
4	Protected against water splashed from all directions. Limited ingress permitted		Splashing from all directions
5	Protected against jets of water. Limited ingress permitted		Hosing jets from all directions
6	Protected against strong jets of water. Limited ingress permitted		Strong hosing jets from all directions
7	Protected against the effects of immersion between 15cm and 1m		Temporary immersion
8	Protected against long periods of immersion under pressure		Continuous immersion