

# Anchor Bolt Size Chart (Metric & Inch)

## Metric Anchor Bolt Size Chart

Size (mm)	Drill Hole (mm)	Embedment Depth (mm)	Typical Use
M6	8	40–50	Light fixtures, brackets
M8	10	50–60	Shelving, small frames
M10	12	60–80	Medium-duty installations
M12	14	80–100	Steel plates, railings
M16	18	100–120	Machinery base fixing
M20	24	120–150	Heavy equipment
M24	28	150–200	Structural applications
M30	35	200–250	Industrial structures

## Inch (SAE) Anchor Bolt Size Chart

Size (Inch)	Drill Size (Inch)	Embedment Depth (Inch)	Typical Use
1/4"	5/16"	1.5–2	Light-duty fastening
3/8"	1/2"	2–2.5	General purpose
1/2"	5/8"	2.5–3	Medium loads
5/8"	3/4"	3–4	Structural attachments
3/4"	7/8"	4–5	Heavy-duty applications
1"	1-1/8"	5–6	Industrial installations

### Note:

Load capacity depends on concrete strength, installation quality, and anchor type. Always follow engineering guidelines and safety factors for critical applications.