

Metric Bolt Grades Chart

Reference guide for common metric bolt strength grades.

Grade	Tensile Strength	Yield Strength	Typical Use
4.6	400 MPa	240 MPa	Light assemblies
8.8	800 MPa	640 MPa	General engineering
10.9	1040 MPa	940 MPa	Heavy machinery
12.9	1220 MPa	1100 MPa	High strength applications