P20 Alloy Steel Plates

P20 Alloy Steel Plates are suitable for mould bases, plastic injection moulds, tooling and engineering components requiring good machinability, uniform hardness and reliable mechanical performance.

Technical Specifications

Mechanical Properties

Property	P20
Typical Hardness	28–32 HRC
Typical Tensile Strength	Approx. 950–1100 MPa
Condition	Pre-Hardened

Typical Chemical Composition

Element	P20
Carbon (%)	0.28–0.40
Chromium (%)	1.40–2.00
Manganese (%)	0.60–1.00
Molybdenum (%)	0.30–0.55
Silicon (%)	0.20–0.80

Note: Verify all values against the latest manufacturer specifications and the corresponding Mill Test Certificates before publication.

Product Information

Specification	Details
Grade Available	P20
Source	Leading Steel Manufacturers
Documentation	Mill Test Certificate (MTC)
Material Traceability	Available
Processing Services	Available on request