



Prakash Steel Corporation

Dealers & Stockists In : Alloys & Special Steel

Chrome Moly Steels

Until the development of today's modern alloys, Chrome Moly was popularly considered a high strength material. Now viewed as only moderate strength, Chrome Moly steel is seen as a good tough steel, with adequate fatigue properties for common applications like fasteners, nuts, shafts, wind mill bearing races, automotive components etc. Typically, Chrome Moly steels are supplied/used in quench and tempered condition to tensile strengths between 800 to 950 MPa.

Application

Cutters, Twist drills, Taps, Turning Tools, Drawing Dies, Milling Cutters, Broaches, etc

| Grade | % | C | Mn | Si | Ni | Cr | Mo | S | P |
|----------|-----|------|------|------|-----|------|------|-------|------|
| En 24 | Min | 0.35 | 0.45 | 0.1 | 1.3 | 0.9 | 0.20 | Max | Max |
| | Max | 0.45 | 0.7 | 0.35 | 1.8 | 1.4 | 0.35 | 0.015 | 0.02 |
| En 19 | Min | 0.35 | 0.5 | 0.1 | — | 0.9 | 0.20 | Max | Max |
| | Max | 0.45 | 0.8 | 0.35 | — | 1.2 | 0.35 | 0.015 | 0.02 |
| SAE 4140 | Min | 0.38 | 0.75 | 0.15 | — | 0.80 | 0.15 | Max | Max |
| | Max | 0.43 | 1.00 | 0.30 | — | 1.10 | 0.25 | 0.015 | 0.02 |