

	Increases Edge Retention	Increases Hardness	Increases Hardenability	Increases Toughness	Increases Tensile Strength	Increases Impact Strength	Increases Abrasion Resistance	Increases Corrosion Resistance
Carbon	✓	✓			✓		✓	
Chromium		✓		✓	✓		✓	✓
Manganese			✓		✓		✓	
Molybdenum		✓	✓	✓	✓			✓
Silicon					✓			
Vanadium		✓			✓	✓		
Sulphur		✓		✓	✓			
Phosphorus		✓			✓			
Nickel				✓	✓			✓
Tungsten			✓	✓	✓			
Cobalt		✓			✓			