Cryodur 2510

Steel properties
Good cutting edge retention, high hardenability and dimensional stability during heat treatment.

Applications
Blanking and stamping dies for cutting sheets up to 6 mm thickness, threading tools, drills, broaches, gauges, measuring tools, plastic moulds, shear blades, guide rails.

Heat treatment
Soft annealing °C Cooling Hardness HB
740 – 770 Furnace max. 230

Stress-relief annealing °C Cooling
approx. 650 Furnace

Hardening °C Quenching Hardness after quenching HRC
780 – 820 Oil or saltbath, 180 – 220 °C 64

Tempering °C HRC
100 200 300 400 64 62 57 53

Cryodur 2516

Steel properties
Water-hardening steel featuring good cutting edge retention and high hardenability.

Applications
Thread cutting tools, twist drills, dentist’s drills and metal saws.

Heat treatment
Soft annealing °C Cooling Hardness HB
730 – 770 Furnace max. 230

Stress-relief annealing °C Cooling
850 – 880 Furnace

Hardening °C Quenching Hardness after quenching HRC
780 – 820 Oil or water 64

Tempering °C HRC
100 200 300 400 64 62 57 53

Reference numbers in brackets are not standardized in EN ISO 4957.