

## 全球钢号百科!

Global Steel Grade Encyclopedia



## 涵盖的行业或国家与地区类别

































Thermodur	2782 Superclean			
X16CrNiSi25-20	<b>C</b> 0.15 <b>Si</b> 2.00 <b>Mn</b> 0.80 <b>Cr</b> 25.00	<b>Ni</b> 20.00		
Steel properties	Non-scaling, austenitic hot-work tool steel, which is resistant to oxidizing environments and displays good cold workability. Resistant to scaling in air up to approx. 1150 °C. Delivered in precipitation hardened condition 650 – 800 MPa.			
Physical properties	Coefficient of thermal expansion at °C 10-6 m/(m • K)	20 – 200 16.5	20 - 400 17.0	20 - 600 17.5
	Thermal conductivity at °C W/(m • K)	20 13.0		700 19.0
Applications	Tools for glass product manufacturing, st orifices, blowpipes, and gathering irons.	uch as punches, coupl	ers, blowing iron heads	s and mandrels,

Quenching

Air or water

Hardness after quenching MPa

495 – 705

Soft annealing °C 1000 – 1100

**Heat treatment** 

