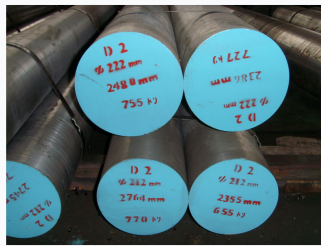


D2/1.2379 Cold Work Die Steel Bar

D2/1.2379 cold work die steel bar is characterized by its high wear resistance, high compressive strength, and good through-hardening properties. It is commonly used in cold work applications such as blanking, forming, and thread rolling dies, as well as long-run tooling.



ADDITIONAL IMAGES



Product Overview

High-Performance Cold Work Die Steel

The D2/1.2379 Cold Work Die Steel Bar is a high-carbon, high-chromium tool steel engineered for exceptional wear resistance and high compressive strength. It features superior toughness and excellent thermal fatigue properties, making it ideal for demanding industrial applications. Produced via the ESR (Electro-Slag Remelting) process, this steel offers improved transverse properties and dimensional stability during heat treatment.

Key Features

Material Characteristics

High Wear Resistance, High Compressive Strength, Excellent Thermal Fatigue, Small Heat Deformation, ESR Processed

Applications

Typical Applications

- Hot punches
- Die casting dies
- Forging dies
- Hot shear blades
- Hot gripper dies
- Hydro forming tools
- Plastic processing screws
- Extrusion tooling

Chemical Composition

Chemical Analysis (%)

Element	Content (%)
Carbon (C)	0.38
Silicon (Si)	1
Manganese (Mn)	0.4
Chromium (Cr)	5.1
Molybdenum (Mo)	1.4
Vanadium (V)	0.5

Maximum Impurity Levels

0.003 %

Phosphorus (P)

0.005 %

Sulfur (S)