1.2343 / 1.2343 ESR (X37CrMoV5-1)

Material	Designation
1.2343	DIN

AISI

Standards DIN EN ISO 4957

Typical Composition Mass-%

С	Si	Mn	Cr	Мо	V
0,37	1,00	0,40	4,90	1,30	0,40

Properties

1.2343

H11

Application Area

toughness values.

Typical Applications

X Pressure die-casting **X** Plastic moulds

Extrusion presses

X Forging dies

X Press dies

Highly stressed tools in environments with

demands on resistance against wear and

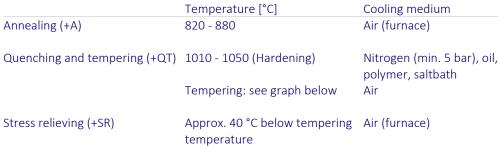
temperature changes in combination with good

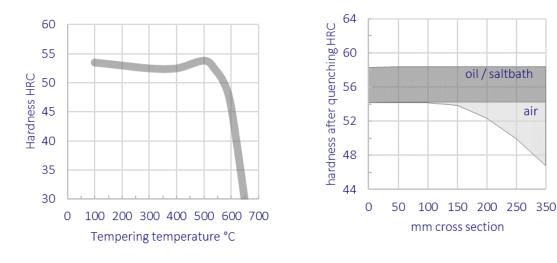
1.2343 is a Cr-Mo-V-alloyed hot working steel with good resistance against temperature changes and wear.

Best toughness properties, that match requirements of modern and filigree tools are achieved by electro slag remelting (ESR).

Delivery Condition

- 🗱 annealed (+A) max. 229 HBW
- **X** quenched and tempered (+QT) upon request
- **EFS-annealed** (extra fine structure)
- 🗱 Hot shear blades





BGH Excellence in Specialty Steel

Quality

- ISO 9001
- ISO 14001
- ISO 50001
- Approvals acc. to standards like ABS, BV, DNV ...
- Customer specific approval certificates

Innovation

- Fully automated ultrasonic testing up to dia. 1000 mm
- CO₂-reduction by innovative heat treatment solutions

Flexibility

- Product range from
- fine wire to forging
- Directly from stock close at hand

Individuality

- Dimensions
- Tolerances
- Surface qualities - Delivery conditions

Your personal contact:

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Tempering graph, hardening temperature 1020 °C

Hardenability

The information contained in this data sheet is unbinding and serves as a first orientation. Liability is excluded, errors and printing mistakes are reserved

Heat Treatment Guideline Values