

# Die Casting

As one of the leading manufacturers of tool steels for **die casting**, we offer a range of **unique hot work steels** under the name **DOMINIAL**.

These **special products** are the result of a close cooperation with our customers. They possess **outstanding thermal** and **mechanical properties** ideally suited for the **high demands** and **requirements** of today's **Die Casting Industry**.

## Overview of ESR / Premium hot working tool steels

Analysis in %

Material	DIN	C	Si	Mn	Cr	Mo	V
USN 1.2343 (H11)	X 38 Cr Mo V 5-1	0,38	1,00	0,40	5,20	1,30	0,40
USD 1.2344 (H13)	X 40 Cr Mo V 5-1	0,40	1,00	0,40	5,20	1,30	1,00
RPU 1.2367	X 38 Cr Mo V 5-3	0,38	0,40	0,40	5,00	2,80	0,60
TQ 1	KIND & CO Development	0,36	0,25	0,40	5,20	1,90	0,55
lowest level of trace elements							

Details of additional grades for specific hot work applications are available on request

## Delivery conditions according to customer's requirements

forged

all sides machined

vacuum heat treated

including cooling holes













including premachined cavity





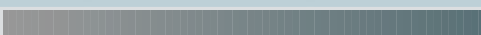
Traditional hot working tool steels  
and developments by KIND & CO for:

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## The main hot working tool steels

Material	Toughness	High temperature strength	High temperature resistance
USN 1.2343 (H11)			
USD 1.2344 (H13)			
RPU 1.2367			
TQ1			

## Forging alternatives

	Isotropy Comparison at large sections	Stock availability
Bar		Yes
3D maximum sizes		Yes
3D individual sizes		No

## MORE VALUE

- Innovative tool steels  
to guarantee  
a solid foundation
- Proprietary nitriding  
to optimize wear resistance



- Vacuum heat treatment technology  
with up to 13 bar quenching pressure  
to ensure the highest quality
- Application experience and  
machining services  
to provide the total package