

# DAC-MAGIC Die-Casting Die Steel



The definitive high performance die steel pursuing **total cost reduction**

## Product Summary

This die steel is used in manufacturing highly precise castings in large volumes quickly. It combines the ability to withstand high temperatures during heating and quenching in the heat treatment cycle with toughness, and minimal cracking in cooling channels contributes to improvements that mean longer-lasting dies.

## Features

High strength at elevated temperature and excellent heat crack resistance

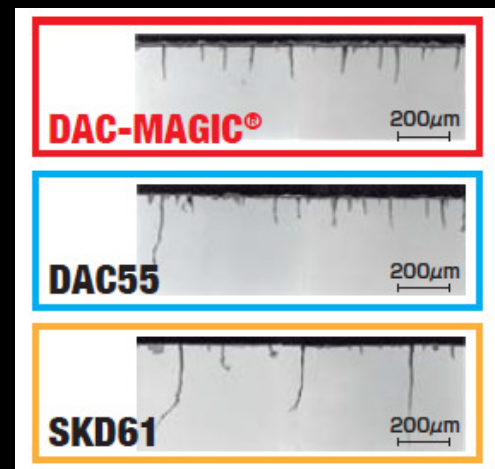
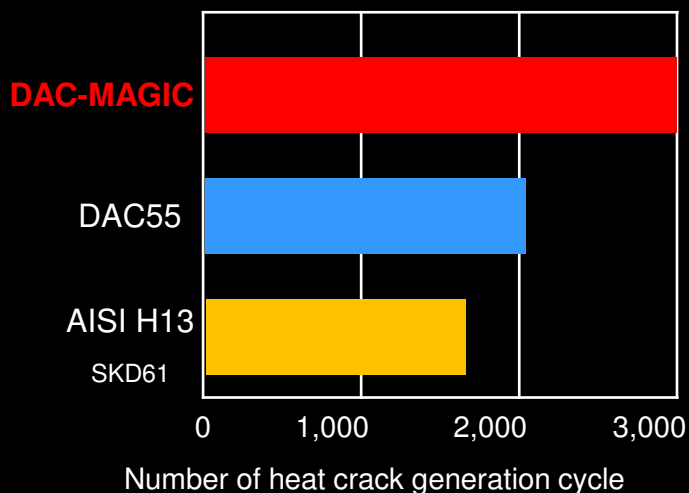
High toughness prevents gross crack of die

Improved stress corrosion cracking resistance reduces crack problem from cooling channel

Better machinability than conventional SKD61 improved steel (high toughness type) possible to reduce manufacturing time and total cost

## Heat Crack Resistance

Compared with conventional steels, **DAC-MAGIC** contributes to longer die life due to better heat crack resistance.



Sectional crack shapes after 4000 cycles\*

\*Our experimental data

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