

DEVELOPED TO THE HIGHEST LEVEL\*  
BY HONEYWELL GERMANY FOR THE WORLD

**Highest Levels of Quality  
for Heavy Loads and High Speeds:  
SINTERFLEX Brake Pads from Jurid**

\* Innovation and test center Honeywell Germany

**JURID**<sup>®</sup>  
by Honeywell

# SINTERFLEX – A Milestone among



## A Ground-Breaking Development: SINTERFLEX

Specially developed for heavy-load and high-speed applications, and for use with wheel brake discs in particular, Honeywell offers the well-designed and innovative SINTERFLEX pad. Consisting of sintered material made to a special composition, this pad boasts a consistently high friction coefficient with excellent heat distribution properties over the long term. In addition to its unique material blend, the structure and innovative design form the defining exterior feature of SINTERFLEX – the innovation of the age.

## Finely-Honed Skills from Generation to Generation



When it comes to friction material, Jurid is a shining example of innovative solutions. Striving to develop the optimum brake pad has been an ongoing and successful activity since the first patented molded friction material with the Jurid name appeared on the market in 1914. Drawing on the expertise of the original pioneer that has been passed down from generation to generation, and enriched by the experience gained along the way, Jurid is a leading OEM that supplies manufacturers and operators of machines, systems and vehicles in the air and on land, above and below ground. Invaluable experience, in other words, for creating innovative brake pads to meet the stringent requirements of rail traffic.

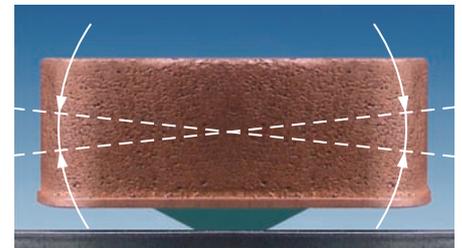
## Disc Brake Pads for Heavy Loads and High Speed Trains

The safety, load capacity, speed, comfort, environmental-friendliness and efficiency demands placed on rail vehicles never slacken, and apply equally to freight wagons and high-speed passenger trains.



As a result, first application on freight wagons and high speed trains are being equipped with disc brakes and correspondingly powerful brake pads – Jurid disc brake pads from Honeywell.

## Ingenious Details: Small Springs for Large Forces



One of the finer details not immediately visible on the outside is the spring washer-mounted friction elements. The resulting flexibility compensates for mechanical and thermal fluctuations and maintains the optimal thermal distribution of the braking energy. This small but important detail is what makes SINTERFLEX the perfect brake pad for maximum performance braking performance – and lowest life cycle cost (LCC).



# Innovative Jurid Disc Brake Pads

## Maximum Coverage of Disc and Pad



Conventional disc brake pads with cylindrical sinter blocks suffer from edge fractures and cause increased disc and pad wear when using wheel mounted discs. The reason for this is the relatively small coverage of the similarly round and large disc fixing holes.



The prism shape of SINTERFLEX disc brake pads guarantees best-possible coverage of the brake disc, regardless of whether wheel-mounted or axle-mounted brake discs are used. The permitted pad overhangs are maintained, even when the bogie is tightly compressed. This prevents particle deposits and wear caused by edge fractures or shearing forces.

## Stable Friction Coefficient and Wear Resistance at High Temperatures

Another outstanding feature of the SINTERFLEX brake pad is its stable friction coefficient, even when exposed to intense thermal stress.



Data from extensive endurance tests on the very latest test benches demonstrate that the friction values and temperature behavior of SINTERFLEX make it the pad for demanding applications in heavy load and high-speed applications.

## UIC Dove Tail: Interface between Standard and High-Tech



Jurid SINTERFLEX pads are fitted as standard with UIC dove tails, meaning they can be fitted to any UIC brake pad holder, regardless of the braking system used.

Honeywell supplies every pad as a totally brand new and ready to fit product, allowing pads to be replaced quickly and easily.

## A Pad for Every Application

Honeywell offers a complete range of disc brake pads. Sinter and organic matter are the two material groups that form the basis of a large number of standard and individual solutions for all rail vehicles. If individual solutions are required, Honeywell has to be the partner of choice – Honeywell Friction Materials in Germany has at its disposal one of the largest Development and Test Centers for brake pads, enabling to supply you with far more than just a standard product.



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