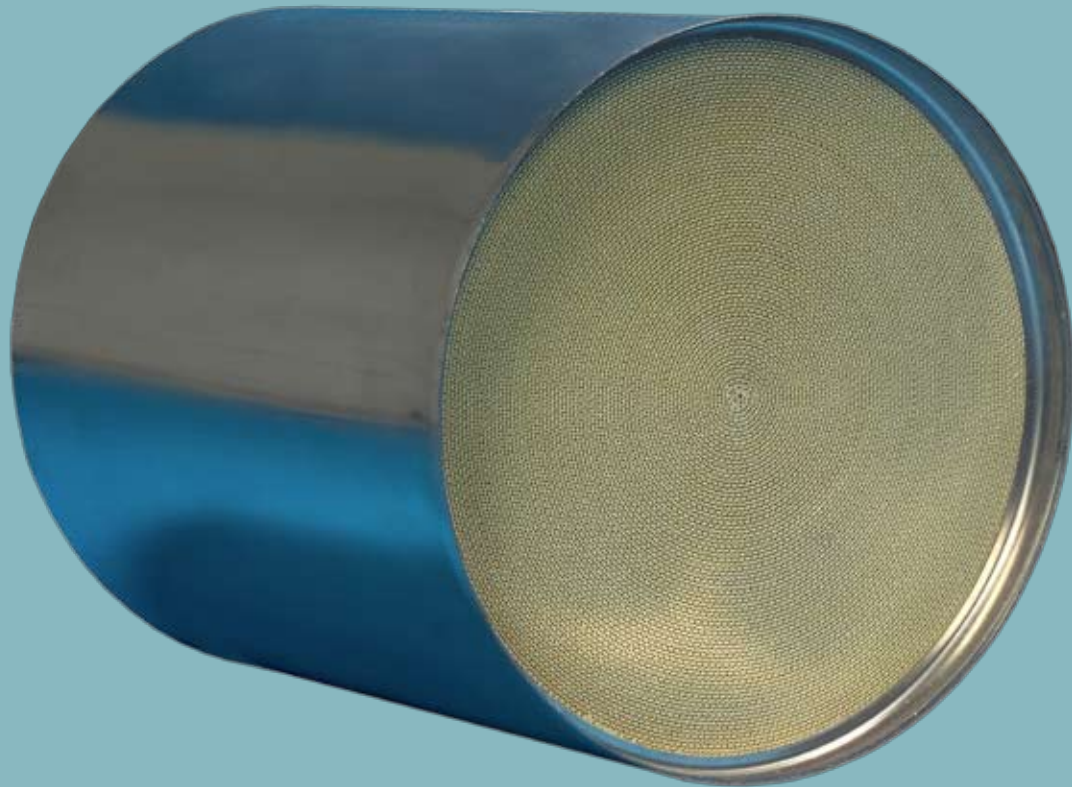


# Topsøe automotive high temperature SCR catalyst DNXZ-505

RESEARCH | TECHNOLOGY | CATALYSTS



## Unique SCR technology

The Haldor Topsøe automotive SCR catalyst DNXZ-505 has been developed for high temperature applications, especially where an SCR catalyst is situated downstream soot filters with active soot regeneration. The DNXZ-505 catalyst has been carefully adopted to the very stringent demands of the automotive industry and has shown high performance and durability.

The catalyst is based on a lightweight fibre reinforced ceramic monolith with a high cell density. The catalytic active material is based on exchanged zeolites.

The DNXZ-505 can be produced in several dimensions with a diameter of up to 17.5". This feature makes it possible to use one single monolith, even for the largest truck engines on the market. The DNXZ-505 can also be supplied with an end zone coating for ammonia slip reduction called ASC.



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## High conversion

The DNXZ-505 offers a high conversion at low temperatures, a conversion which is significantly improved by addition of  $\text{NO}_2$  in the exhaust gas. The DNXZ-505 possesses excellent selectivity ensuring maximal utilisation of injected urea and low urea consumption.

## Applications

DNXZ-505 is especially suited for the combined systems on heavy duty trucks to meet the coming EPA2010, Euro 6 and JPN09 emission standards as well as the US Tier 3/Bin 5 in and Euro 6 for passenger cars.

## Installation

The catalyst can be delivered with a high tolerance metal sleeve, enabling a smooth fitting of the catalyst to various types of silencer installations.

## Catalyst data

Weight	500 g/l
Active metals	Zeolite
Substrate type	Fibre-reinforced ceramics
Channel density	270/350 cpsi
Diameters	5.66 up to 17"

DNXZ-505 performance in laboratory test with or without pre-DOC

