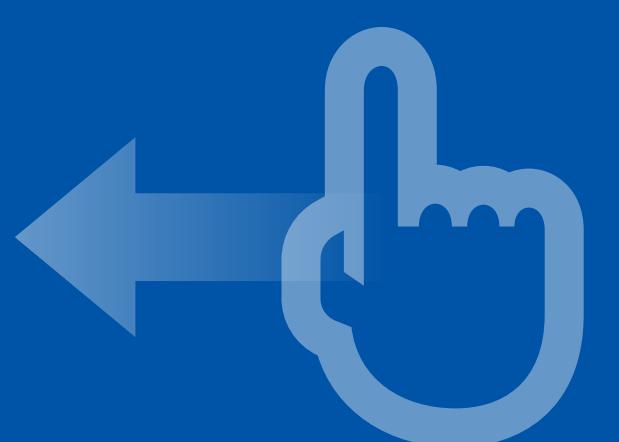
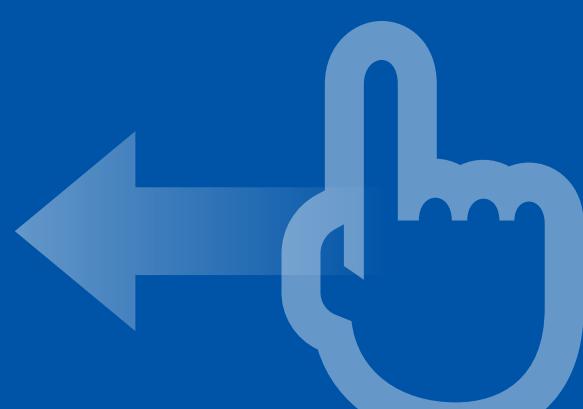


# VG Turbocharger for GD Engines

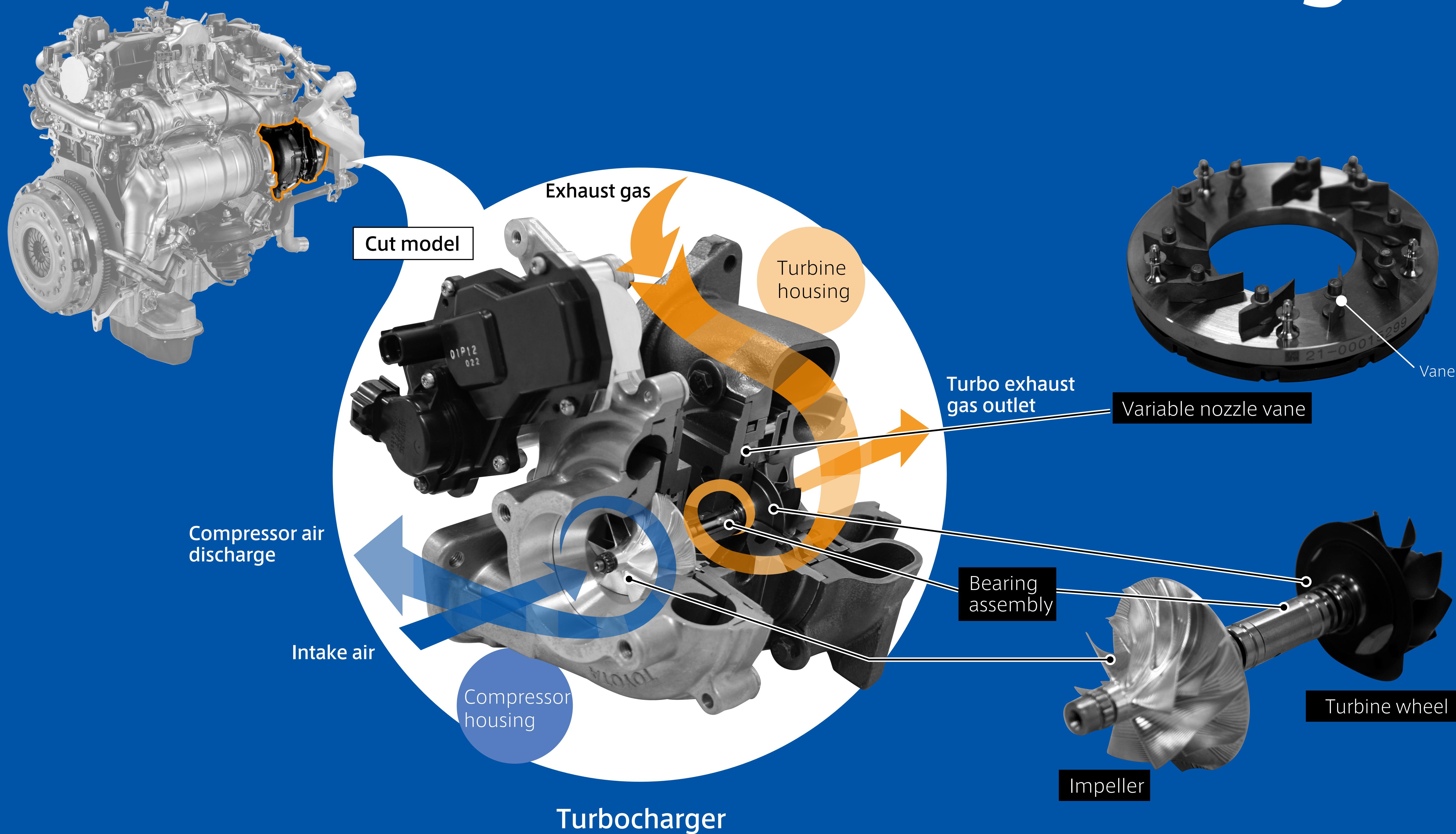


- A turbocharger model optimized for GD engines developed by an experienced engine manufacturer.
- Wide range turbo-charging through the use of the variable nozzle.

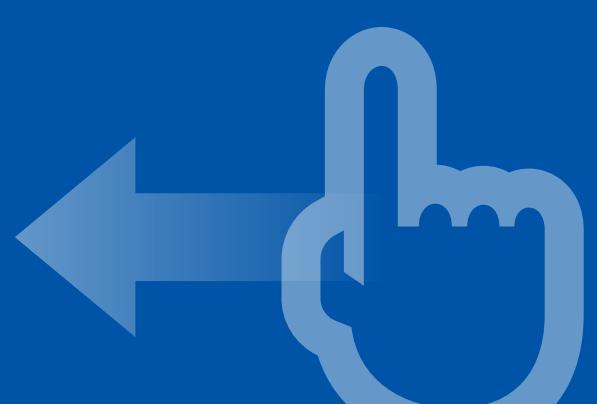




# Mechanism of turbocharger



# Turbocharger

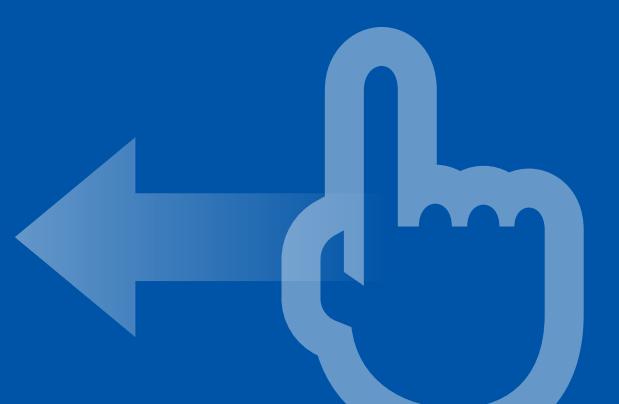
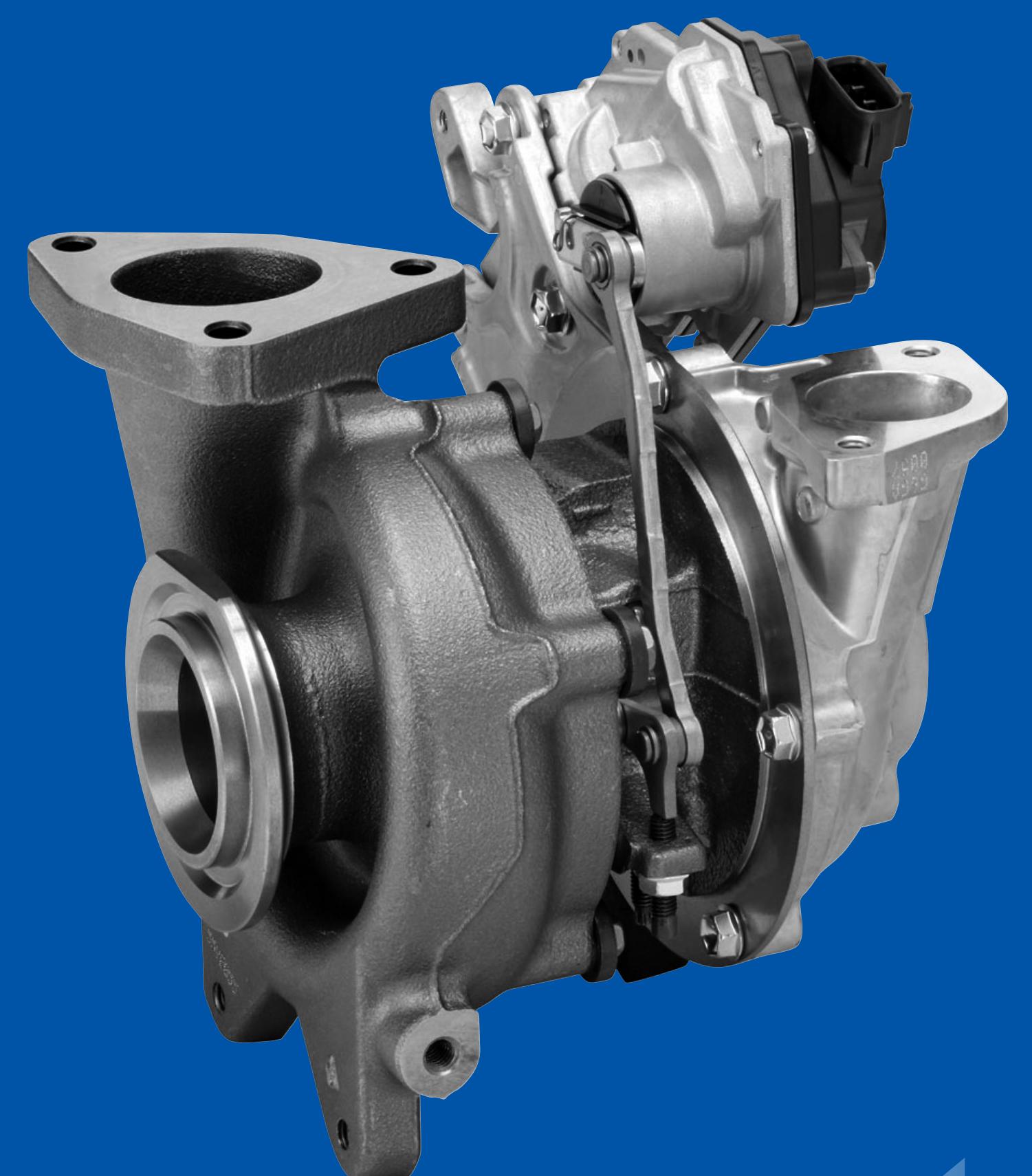


# 30%

%

## smaller design

- Approx. 30% smaller design compared with the conventional turbochargers allows easier installation.

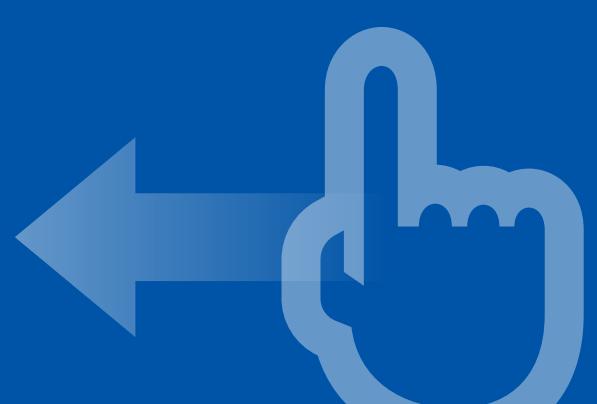
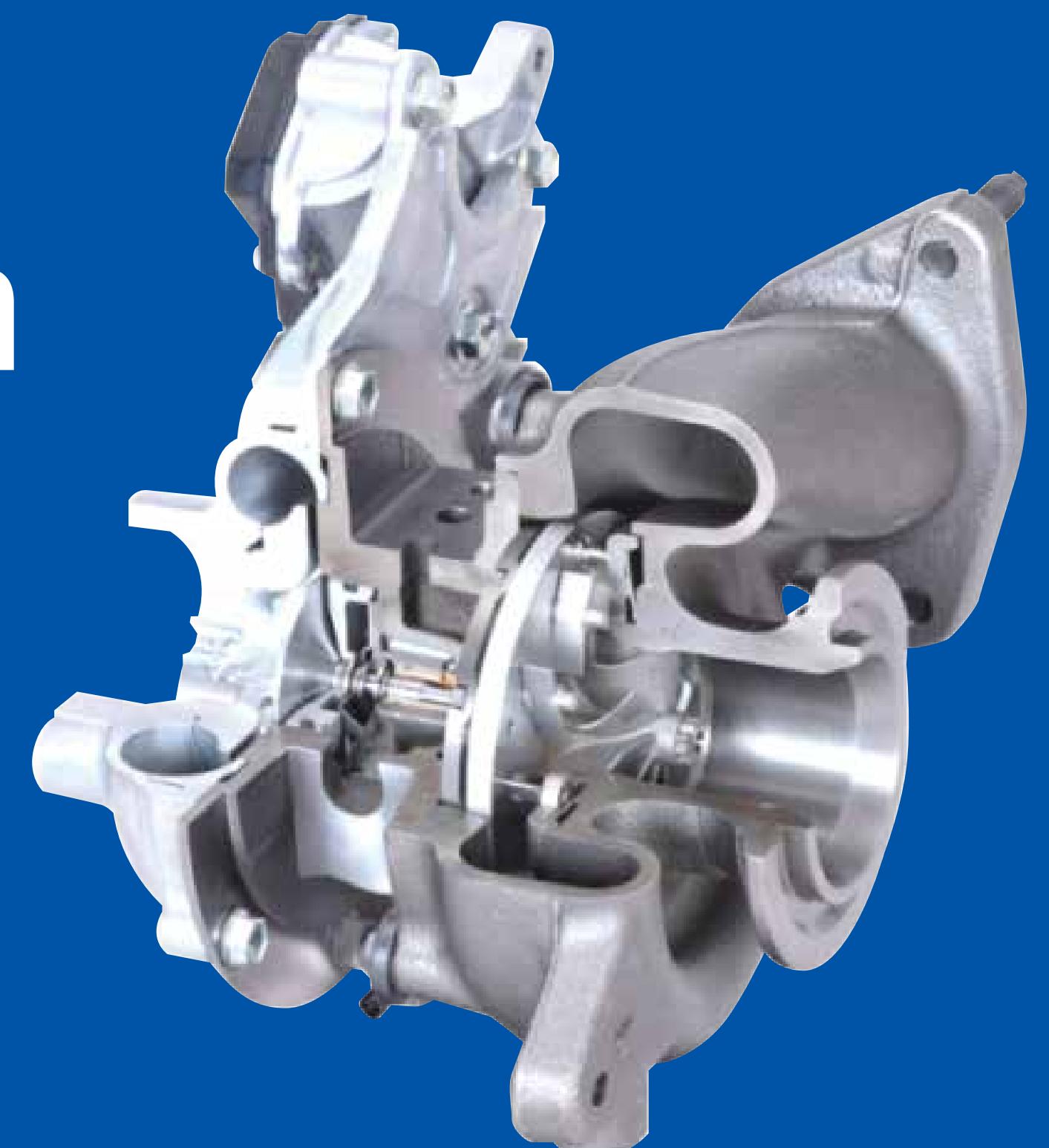


# Turbocharger



50 %  
improvement  
in responses

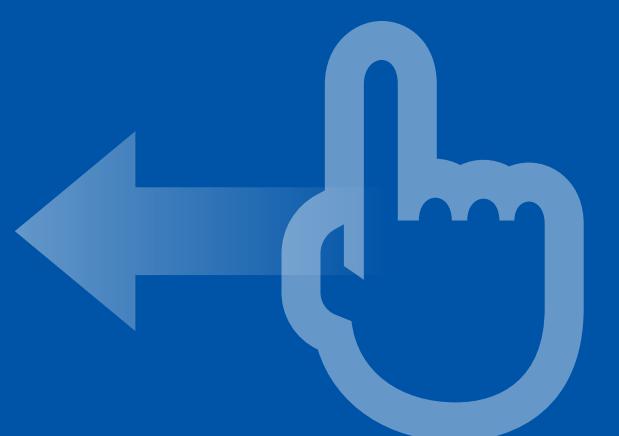
- The compact and optimized aerodynamics design realizes approx. 50% improvement in transient responses compared with the conventional turbochargers.



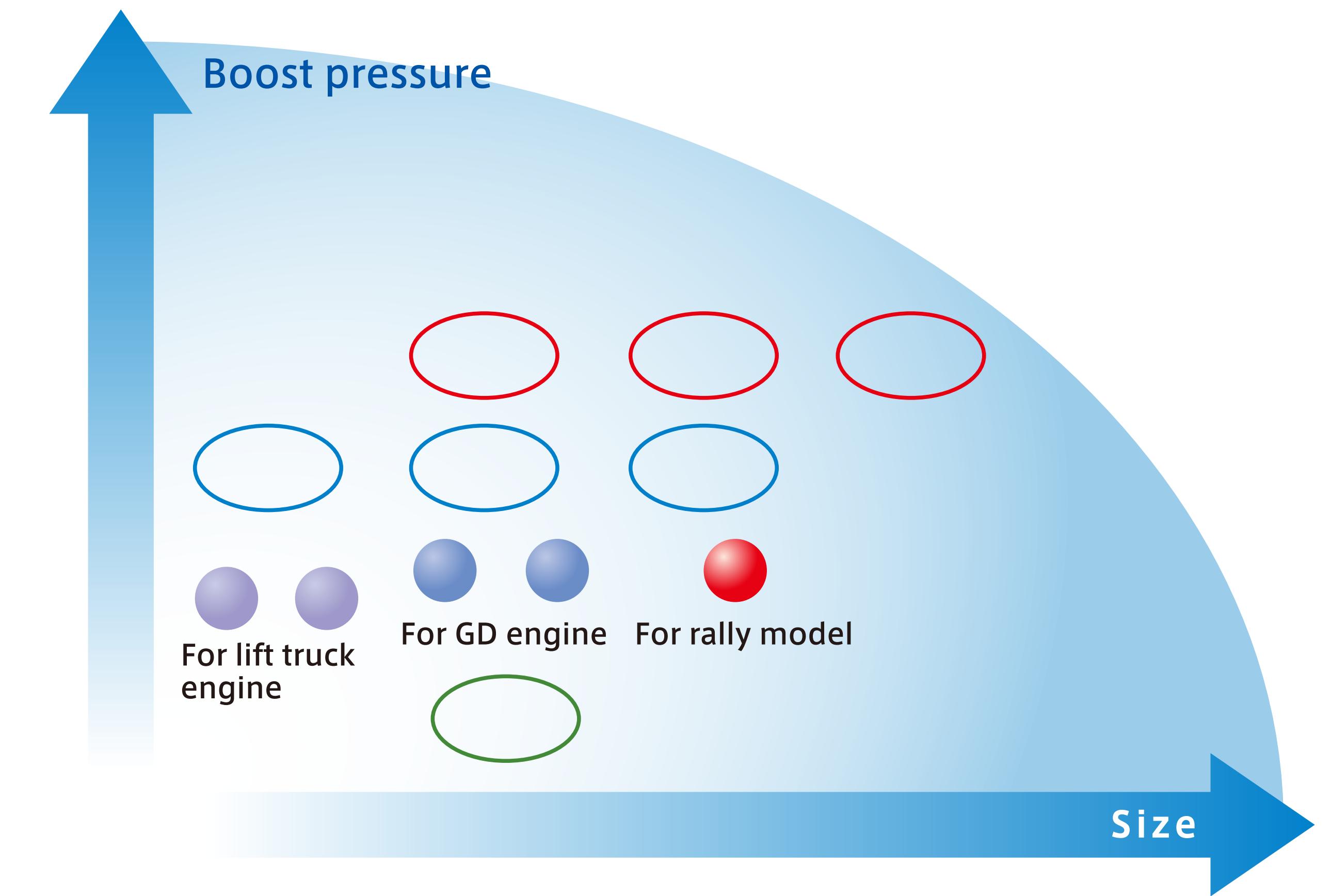
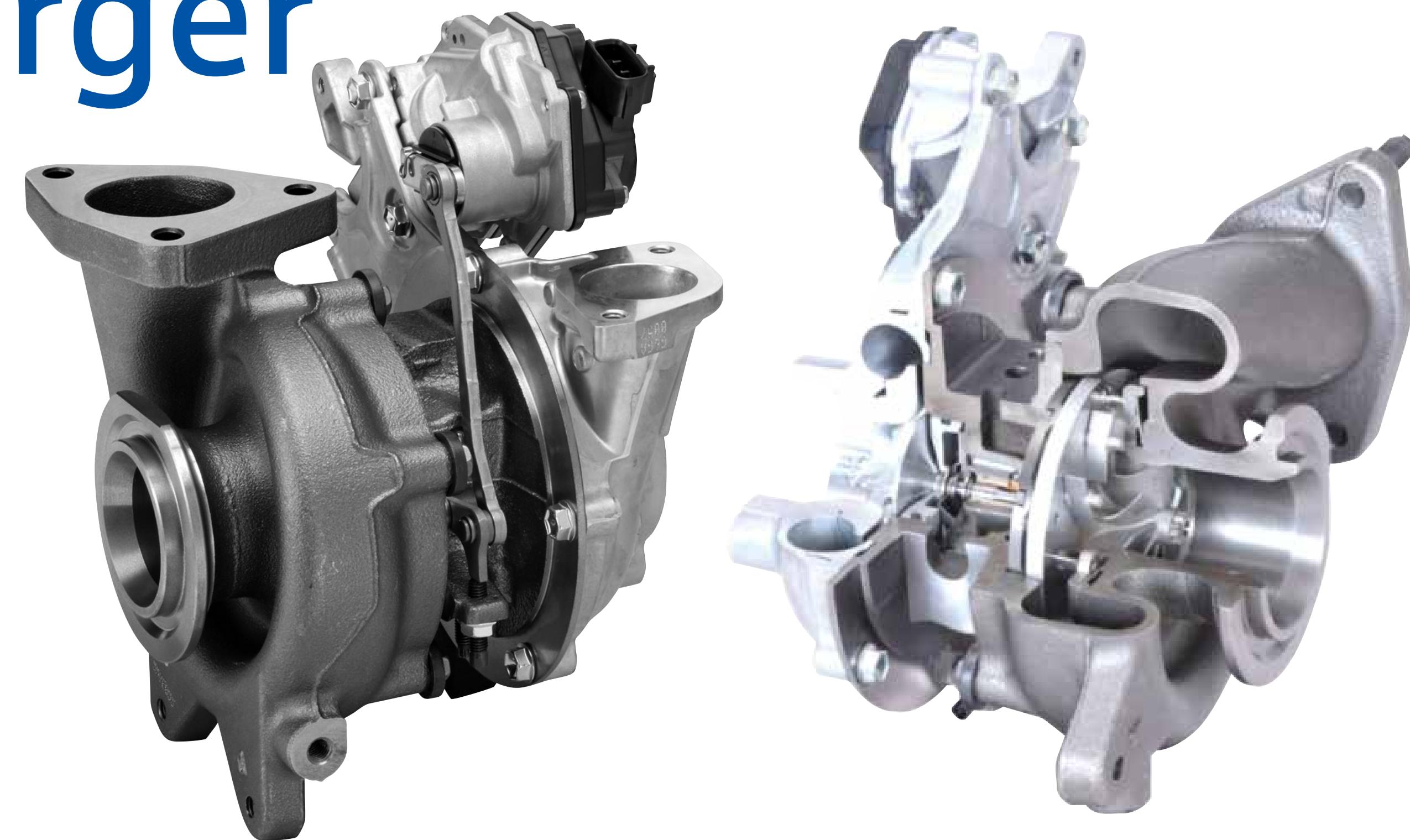
# High performance Turbocharger for Rallies



Turbocharger

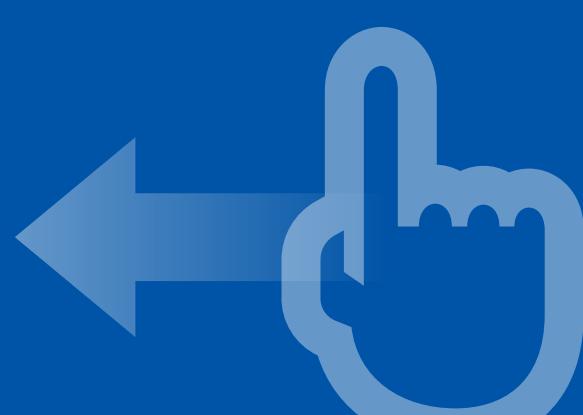


# Line up of Toyota Industries turbocharger



- Expanding product range in size and performance according to the engine needs and the market trend.

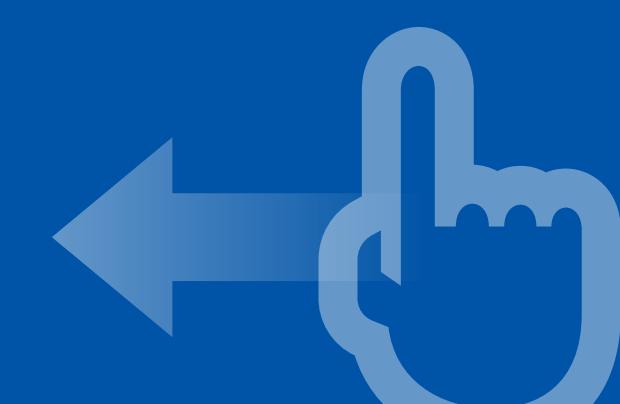
# Turbocharger



# Turbocharger Specifications

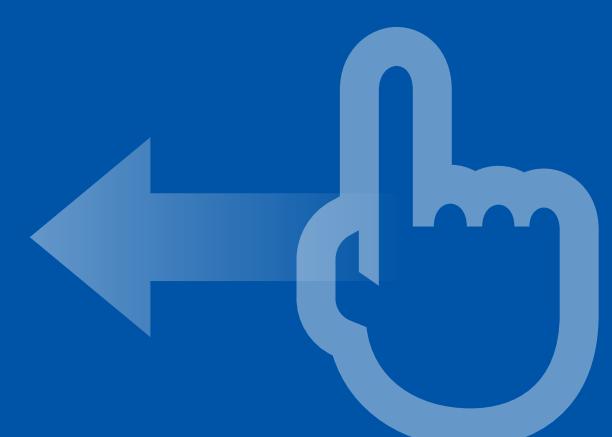
		1GD	2GD
Turbocharger name		CT8DV	CT7DV
Compressor impeller	method	Full machining	Full machining
	Inlet diameter [mm]	36	32
	Outlet diameter [mm]	48	45
Turbine wheel	Blade shape	Fullback	Fullback
	Inlet diameter [mm]	42	38
	Outlet diameter [mm]	38	35
Variable nozzle vane (VN)	Drive system	Electrically operated	Electrically operated
	Vane support mechanism	Double-sided support	Double-sided support

※It is not specification of rally model.



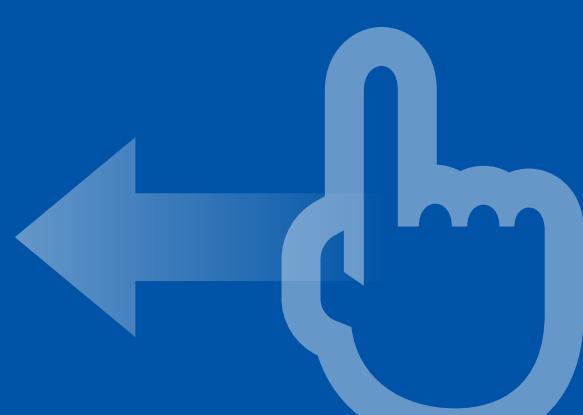
# Turbocharger for GD Engines

GDエンジン用可変ノズルターボチャージャー

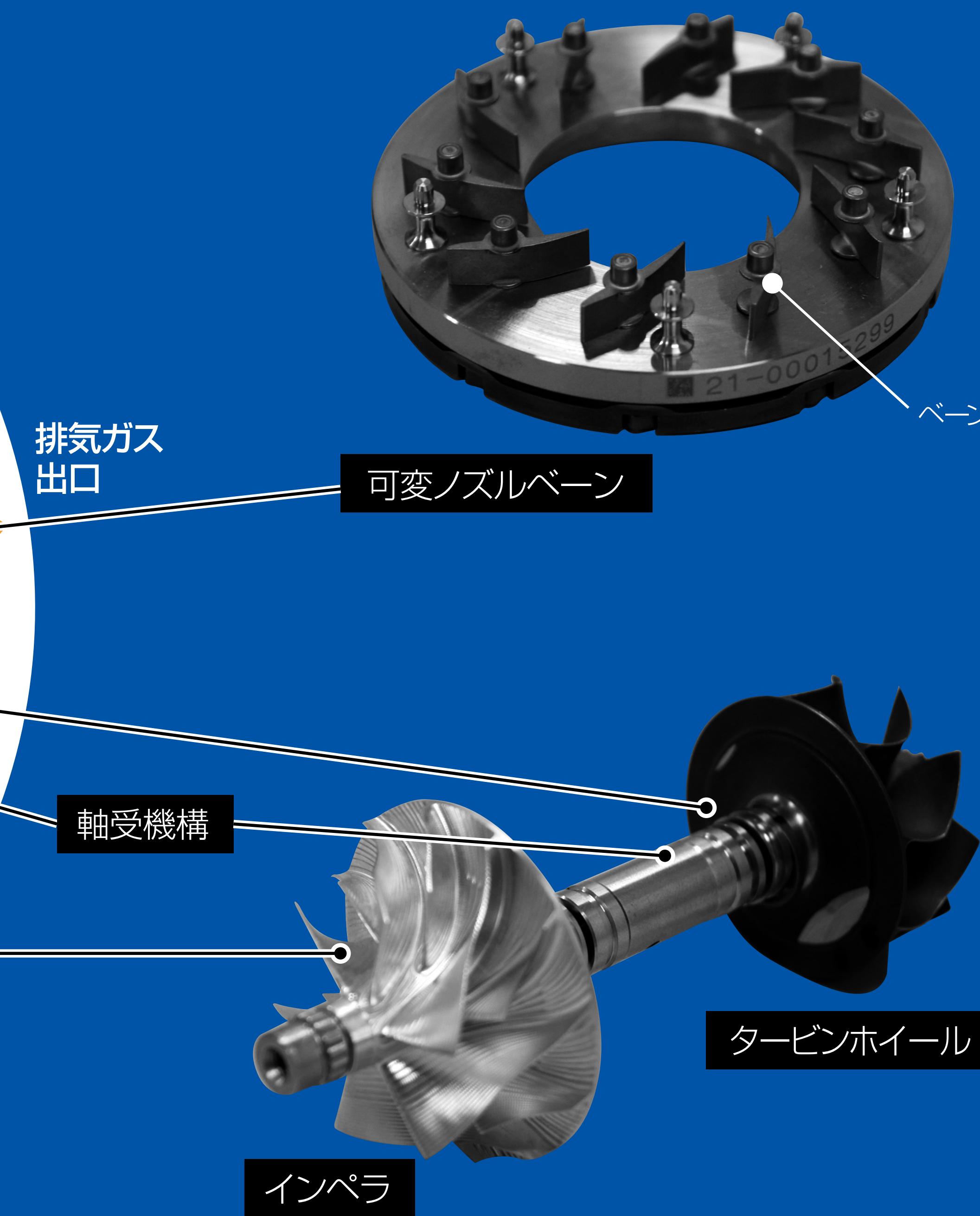
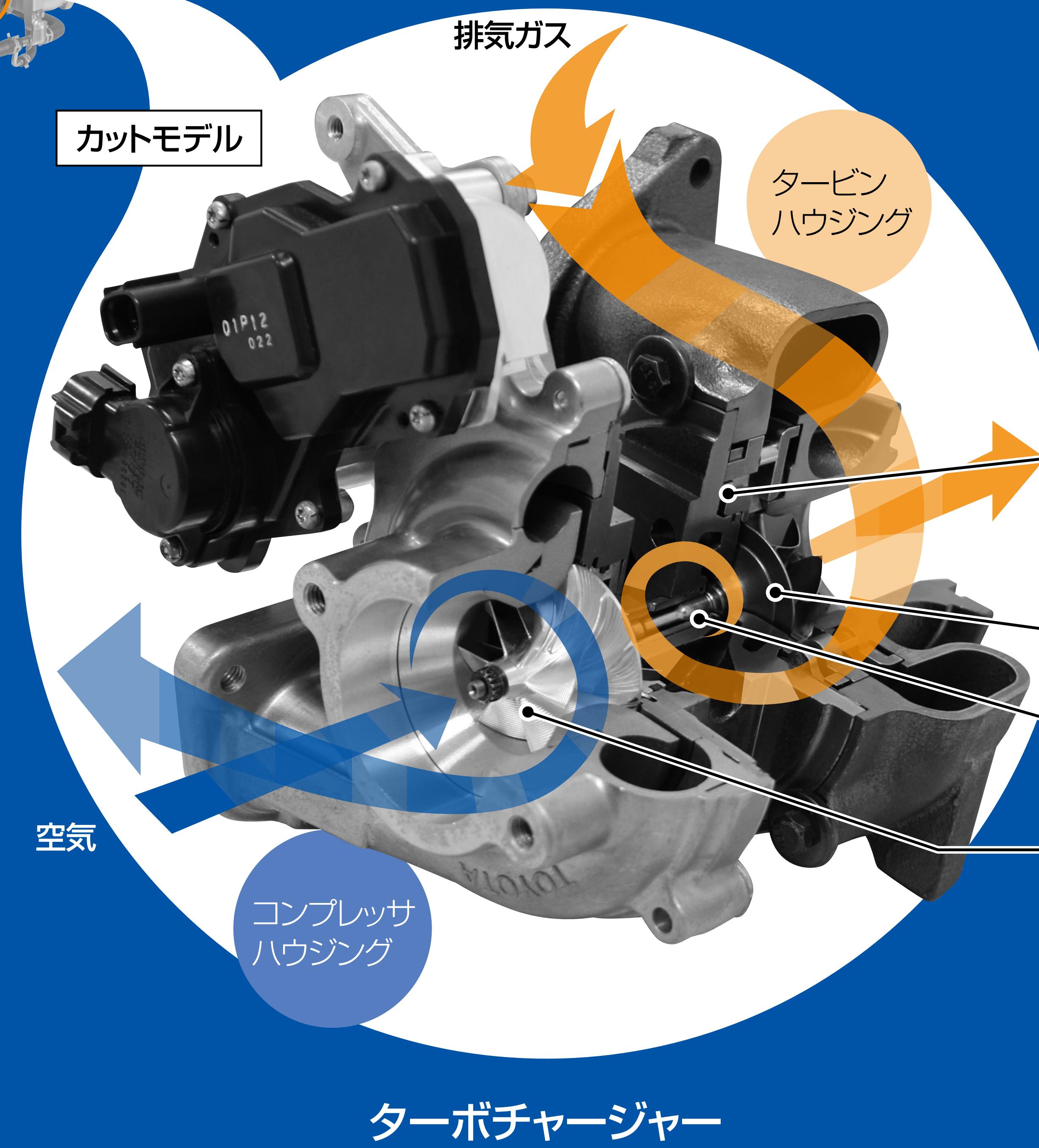
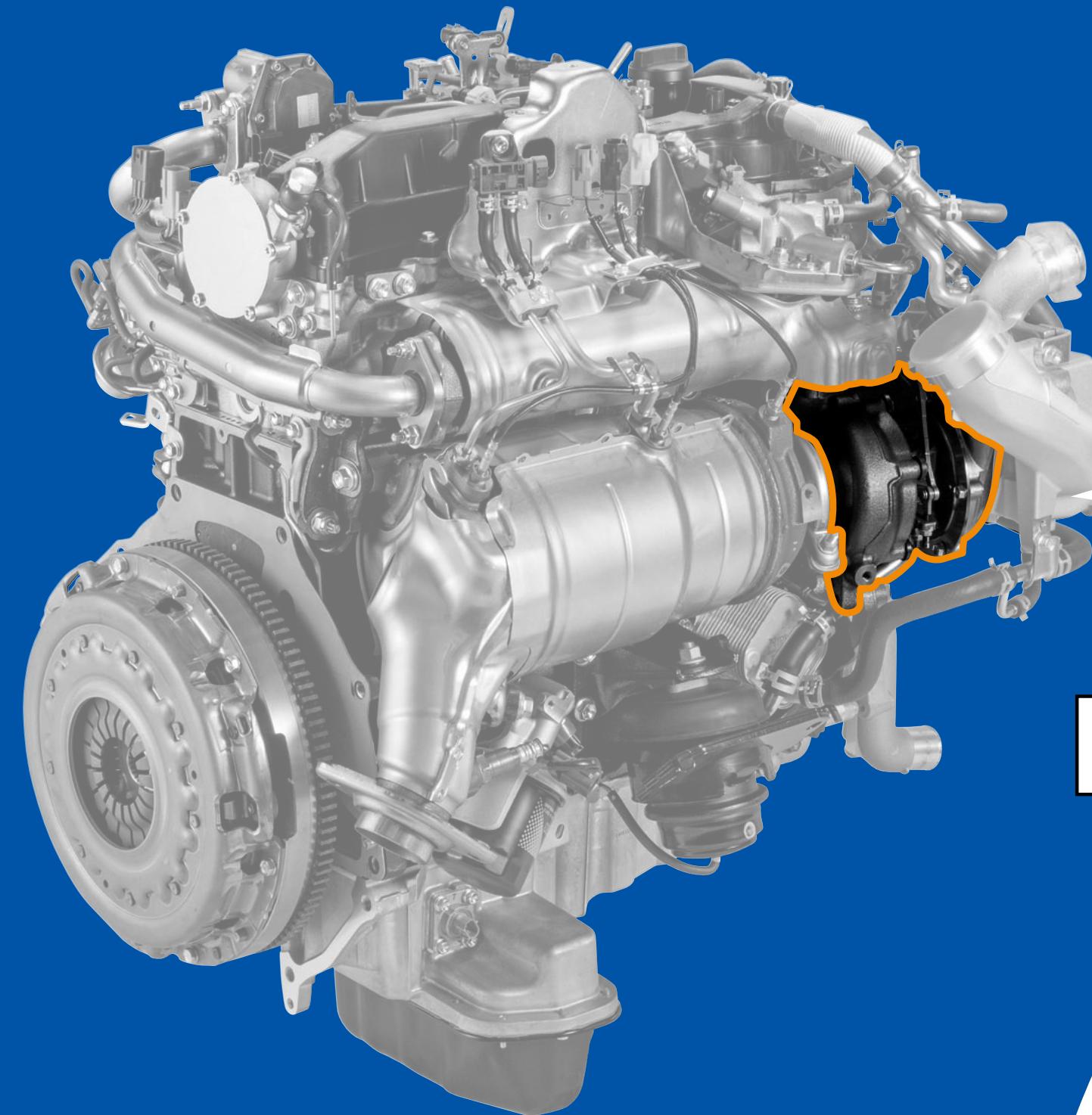


- エンジンメーカーが作る  
GDエンジンに最適なターボチャージャー。
- 可変ノズルによるワイドレンジ過給。

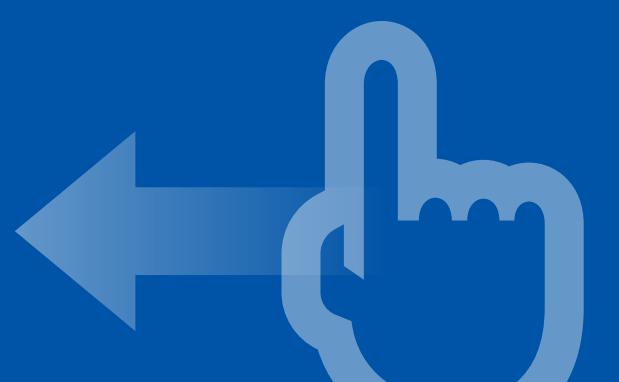
# Turbocharger



# ターボチャージャーの構造



# Turbocharger



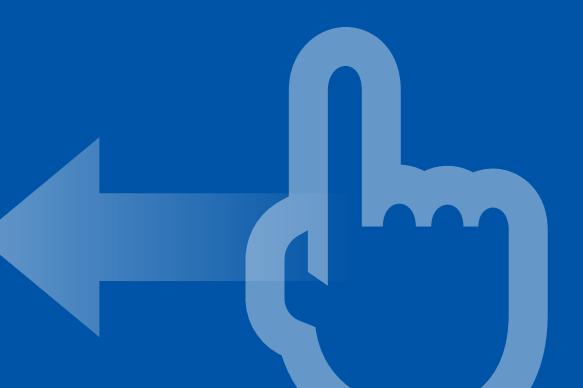
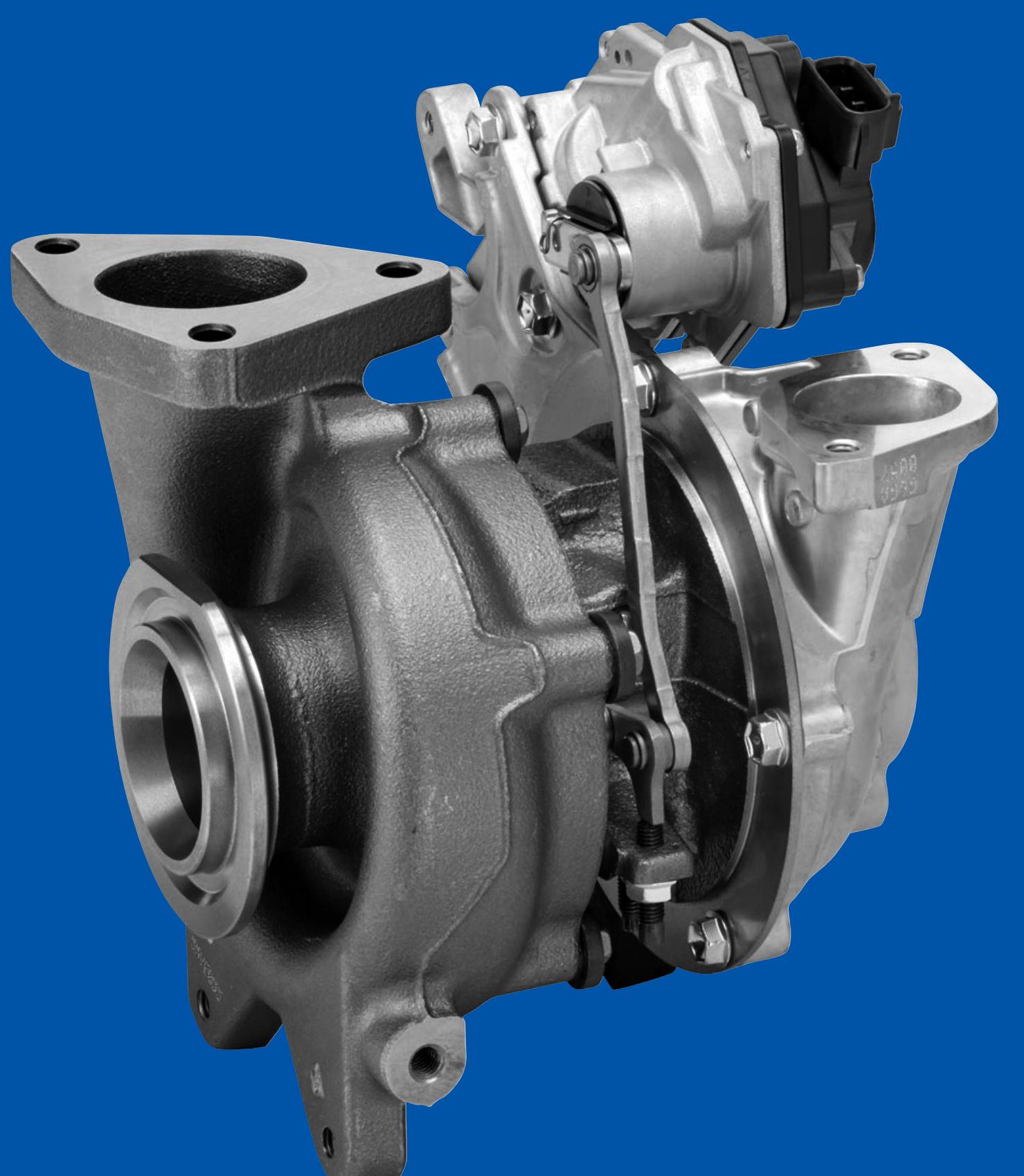
約

30%

%

ダウンサイジング

■ 従来型より約30%体格を小さくし、  
エンジンへの搭載性を向上。



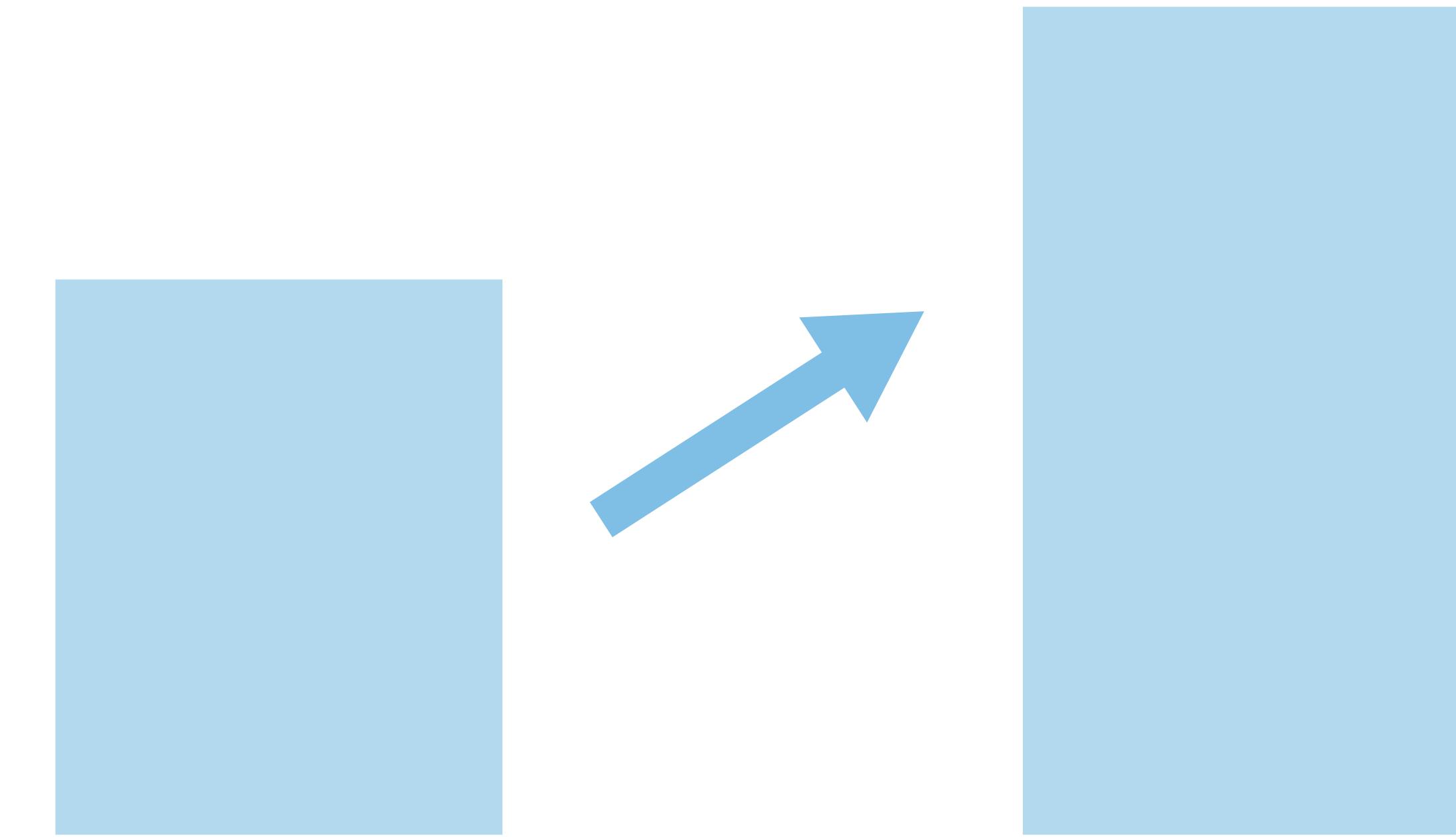
Turbocharger



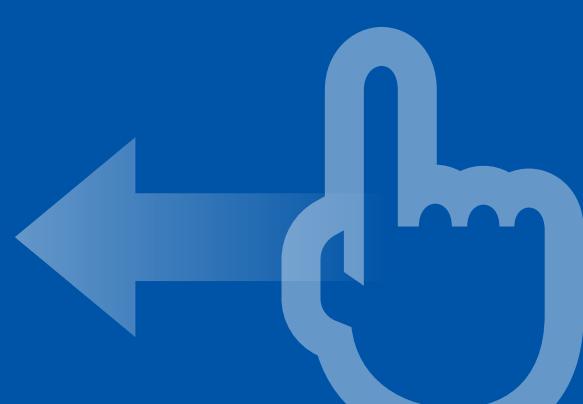
約

50%

高応答化



- ダウンサイ징と流力性能向上による高効率化により従来型より50%の過渡レスポンス向上を実現。



Turbocharger

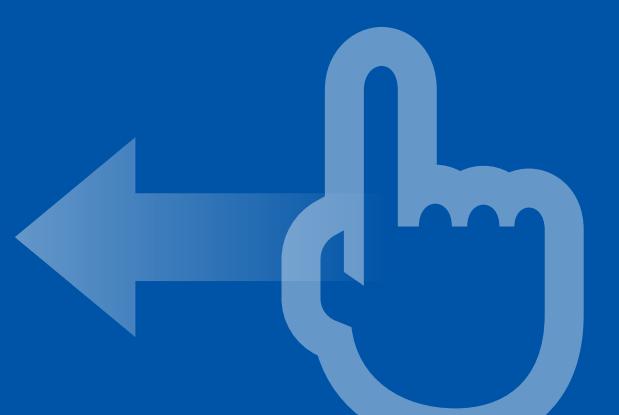


# ラリー向け 高性能 ターボチャージャー



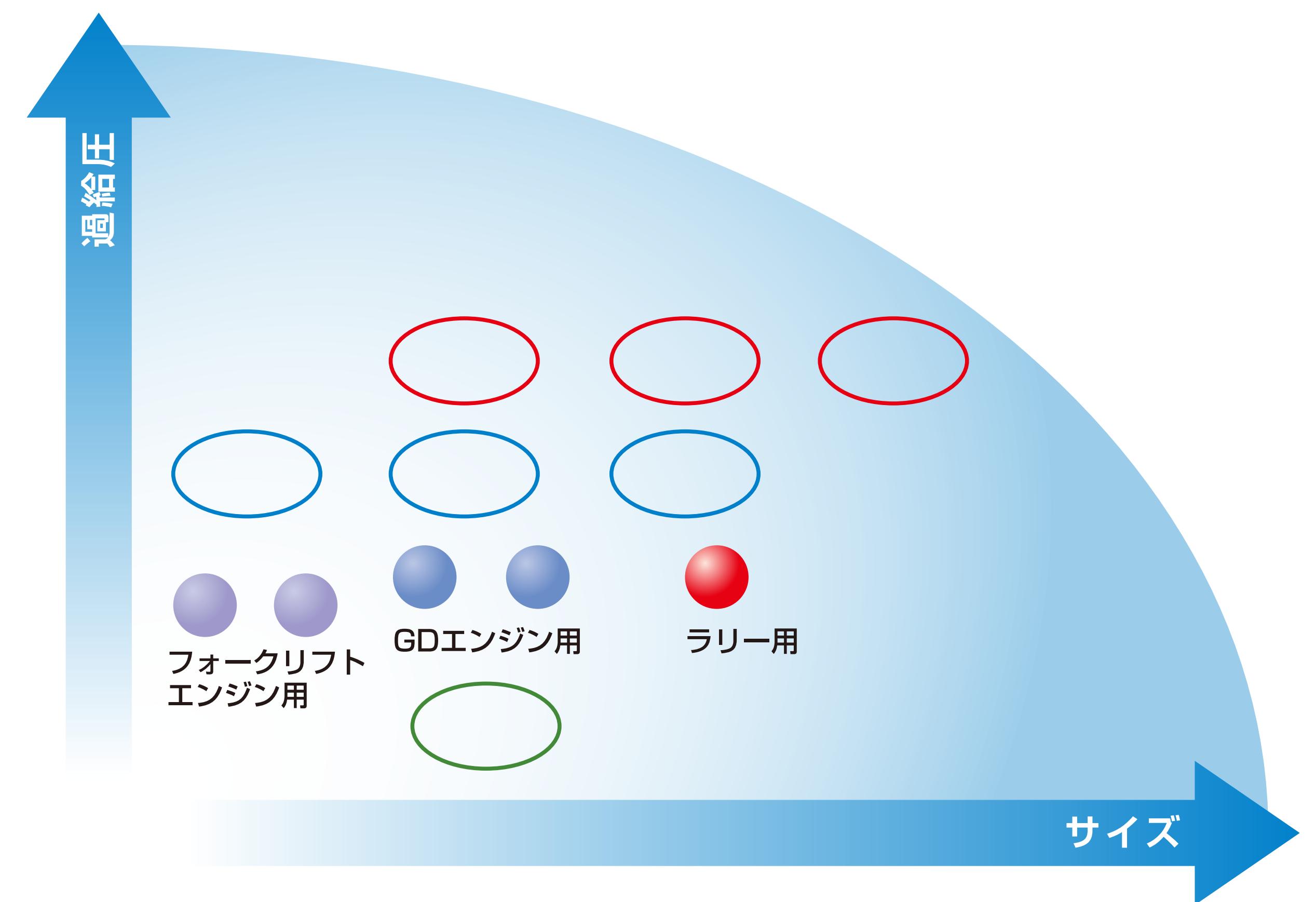
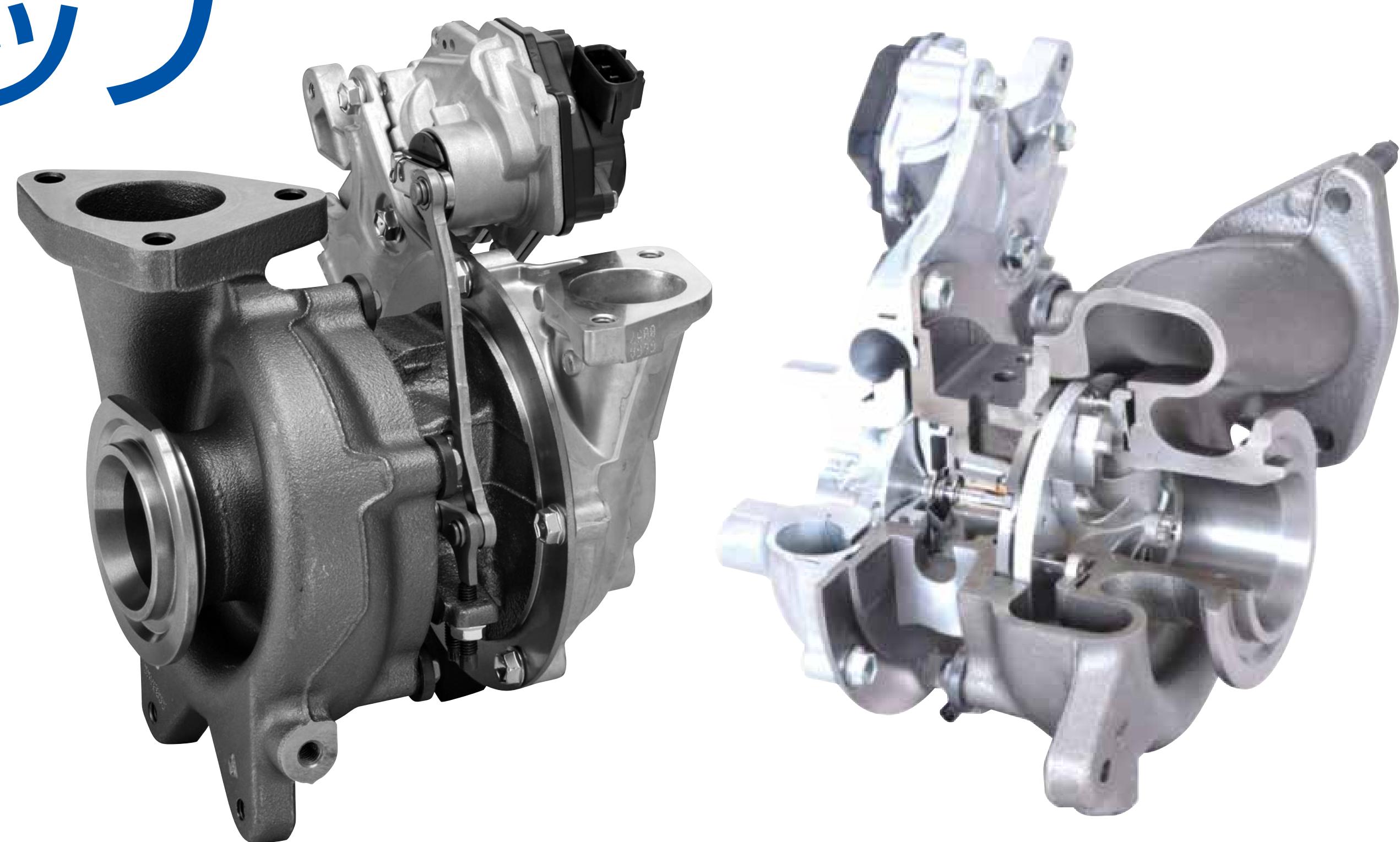
- レース用に更なるワイドレンジ化。
- 高出力対応に容量アップ。
- 過酷な環境に耐えうる高品質。

# Turbocharger



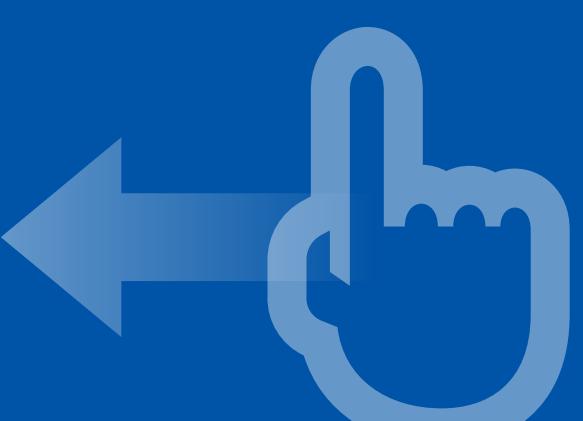


## ターボチャージャーの ラインアップ



■ エンジンニーズに対応し、  
サイズ・性能のラインナップを拡充。

# Turbocharger



# ターボチャージャー諸元

		1GD	2GD
ターボチャージャー型式		CT8DV	CT7DV
コンプレッサインペラ	工法	総切削	総切削
	入口径 [mm]	36	32
	出口径 [mm]	48	45
タービンホイール	翼形状	フルバック	フルバック
	入口径 [mm]	42	38
	出口径 [mm]	38	35
可変ノズルベーン (VN)	駆動方式	電動	電動
	ベーン支持機構	両側支持	両側支持

※ラリー用の仕様とは異なります

