Link do produktu: https://bizongarage.pl/intercooler-for-hyundai-i20n-p-41244.html

## Intercooler for Hyundai i20N



Cena brutto	4 103,65 zł
Cena netto	4 103,65 zł
Dostępność	Na zamówienie
Numer katalogowy	379177321

## Opis produktu

## **Highlights:**

- Peak gains of 25bhp
- Gains of 43nm of torque
- 113% volume increase
- Hand fabricated in the UK
- No cutting of the vehicle is required to fit the intercooler
- Kit includes all necessary fittings and instructions included
- · Lifetime warranty

## This part replaces OEM part number 282702L000

The **Hyundai i20N** is an impressive hot hatch with plenty of potential for being fun and fast. However, when looking at the OEM intercooler our development team were able to see that this will be a weak point for those owners looking to push more power or enjoy spirited driving and track days.

Our development team started with what we learnt from the successful FMINT15 for the Hyundai MK3 i30N, as the 1.6 litre engine in the i20N shares the same design concept as the 2.0 litre in the i30N. We **hand fabricated end tanks** as a starting point to create a mock-up intercooler, allowing us to understand design parameters. This was then 3D scanned, allowing our development team to fine tune and produce the **biggest core with the smoothest flowing end tank design** for the available space.

SolidWorks CAD and Computational Fluid Dynamics (CFD) was utilised to develop our high flow cast end tanks. This helped us to incorporate a turbo side internal divider to ensure the full volume of the stepped core is utilised for **maximum cooling**.

	complete the developmen	t, we had one-off sand-cas	m 3L printer, to then test fit t t end tanks manufactured all e intercooler.	
surface area of over 57% market. The inlet and outle	% than the OEM intercooler, et sizes have both been incr r <b>44%</b> from the OEM interco	/Heat exchanger. FMINT28 reased in diameter, the hot	capacity and an increase on is the largest currently availst side from 50mm to 60mm m 50mm to 60mm in 50mm to 63mm giving a	able on the giving a
Testing was completed using ensure all our data has been sure all our data	ng <u>Performance Remap</u> in C en achieved with results as	Gloucester with their VTEC accurately as possible by a	4-wheel drive dynamometer. an independent tuner.	This was to