DIXCEL
ADVANCED BRAKE TECHNOLOGY

DIXCEL Brake Bedding-In Guide

DIXCEL's recommended way to bed in brake pads and discs, for street use and for the circuit.

Street use

Bedding-in takes roughly **300 to 1,000 km**, depending on the pad and disc combination and the condition of the roads you drive on. Normal driving completes it.

- During this time, avoid fast or abrupt driving, and don't drive in a way that forces brake temperatures up.
- DIXCEL recommends that your mechanic completes the very first phase of bedding-in. That's the stage when the brake pedal feels spongy, or braking doesn't pick up straight away when you press the pedal.

> **Do not drag the brakes** to bed them in.

1. Brake normally from a medium speed with medium pedal pressure until the car slows to around **10 km/h**. This gives full contact between the pads and discs. Short braking only beds in the outer part of the disc.
2. Repeat until the pedal is firm and the braking feels linear to your pedal pressure.

How many times you need to brake depends on the condition of the disc surface, the pad friction surface and the type of friction material.

Discs

- If a disc surface is uneven, have it machined. Replace the disc if its thickness is near the wear limit engraved on its edge.
- When fitting new or resurfaced discs with used pads, sand the pads' friction surface for better results.

Circuit use (new discs, first time on track)

Stage	Braking	Time	Then
1	50%	About 5 minutes	Return to the pits and rest for at least 5 minutes
2	70 to 80%	About 10 minutes	Pit in again and rest for about 10 minutes
3	Gradually from 80% to 100%		Bedding-in of the discs is complete

Source: DIXCEL, "About Bedding-in brakes" (dixcel.co.jp/en/useful/how_to_bite/).