

TDMi Catalog

TDMiUS.com



TDMi

Big Brake Kits

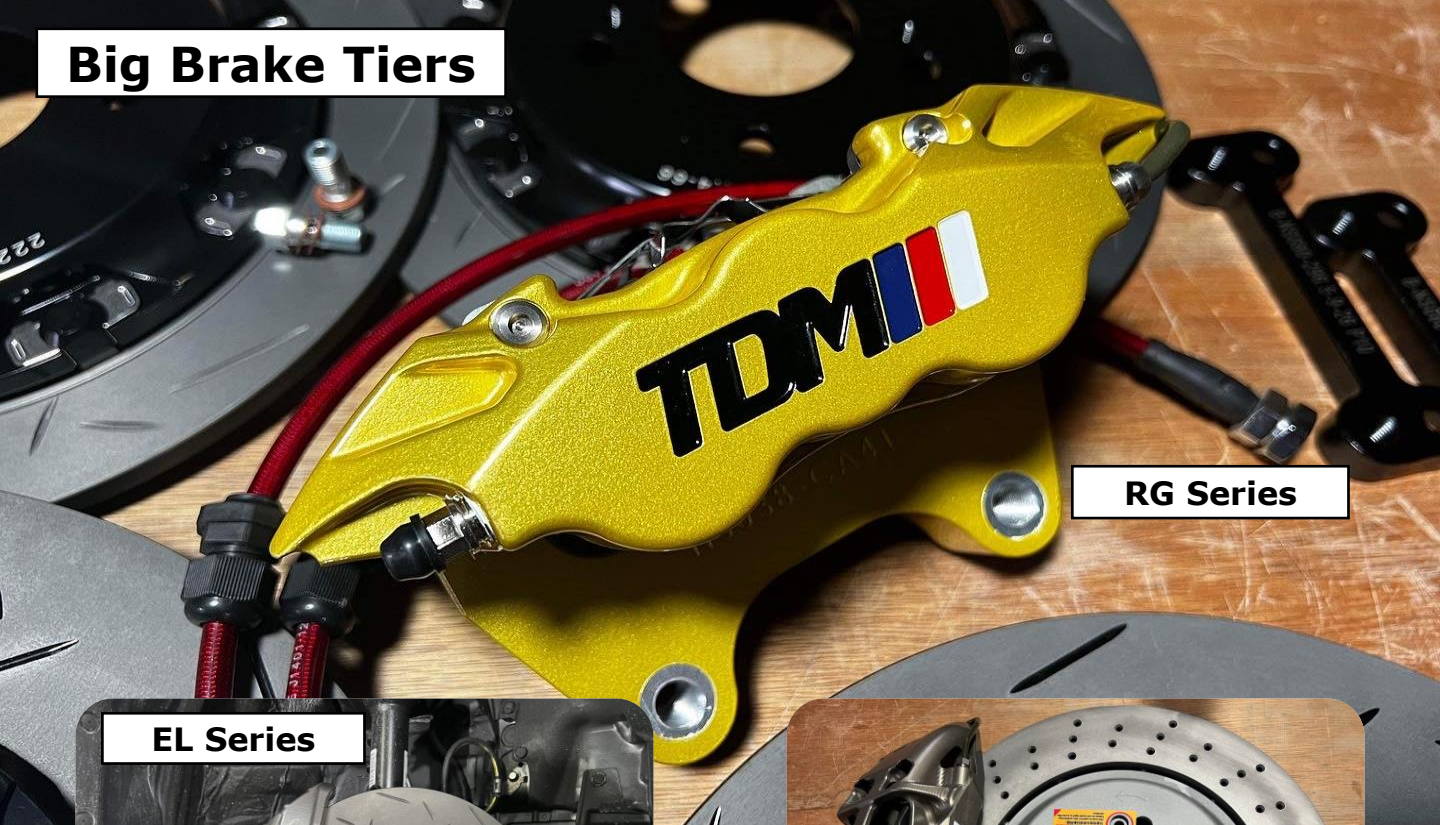


BIG STOPPING POWER!

Choose from our 3 Exceptional Tiers! Introducing the EL Series for Entry Level Performance, the RG Series for Mid Tier Excellence, and the GT Series for High-End Big Brake Solutions.



Big Brake Tiers



RG Series



EL Series



GT Series

- **EL Series:** Experience Affordable Excellence with EL Series! These Big Brake Kits Pack a Punch with Stopping Power Comparable to the Big Players. Choose between 4-Piston or 6-Piston Front Calipers and 2-Piston Rear Calipers. Crafted from Cast Monoblock Aluminum with Piston Technology Matching Our Premium Tiers.
- **RG Series:** Step Up to Performance with the RG Series! Our Mid-Tier Big Brake Kit Packed with Race-Proven Technology. Available as a 6-Piston Front and 6-Piston Rear Configuration, Crafted from Billet Aluminum and Featuring Piston Technology on Par with Our Premium Tiers.
- **GT Series:** Elevate Your Performance with our GT Series. The Apex of Big Brake Kits, Featuring Race-Proven Technology. Choose from a 4-Piston or 6-Piston Front Caliper, and Tailor Your Setup with 2-Piston or 4-Piston Rear Calipers. Meticulously Crafted from a Single Piece of Billet Aluminum, Setting New Standards in Braking Excellence.

Rotors/Brake Pads

Standard Rotors:

In the pursuit of producing exceptionally reliable brake discs, we have opted for a superior quality FC-25 steel blend with a high carbon content. This selection enhances our capacity to withstand temperatures of up to 900 degrees Celsius, allowing for a higher threshold of stress and temperature without excessive material expansion or distortion. In contrast, most rotors available in today's market employ lower-grade steel such as FC-20 and FC-22, which can expand by as much as 1.2-1.5mm when exposed to 500 degrees Celsius. Notably, TDMi rotors exhibit significantly less expansion, with an increase of only approximately 0.45 cm.

2-Piece Floating Rotors:

TDMi replacement ring for the rotors are crafted from FC-25 steel mixture with a high carbon content, mirroring the material used in our Standard rotors. As for the Alloy Hat, We have chosen 7075-T6, which is forged and hard anodized in an elegant champagne hue.

Cross Drilled Option Available as special order item.



To simplify matters, TDMi imports has streamlined its brake pad selection to three specifications that cater to a wide range of performance needs.

Street Pads:

- Material: Nao composite (Non-Asbestos Organic)
- Temperature Range: 50-650 degrees Celsius
- Friction Coefficient: 0.45MU

Track Pads:

- Material: Nao composite (Non-Asbestos Organic)
- Temperature Range: 50-720 degrees Celsius
- Friction Coefficient: 0.51MU

Pro Pads:

- Material: Metallic
- Temperature Range: 270-900 degrees Celsius
- Friction Coefficient: 0.55MU

All kits come with "Street Pads" as the default choice.

Options & Item List

Rotor Size Available: **TDMi**

- 286mm suits 15in wheels
- 286mm/302mm suits 16in wheels
- 302mm/330mm suits 17in wheels
- 330mm/345mm suits 18in wheels
- 345mm/355mm suits 19in and above wheels

Standard rotor width is **24mm**
Large body Caliper Rotor width **28mm** Available only on
330mm and 355mm rotors

What's in the box?

- A pair of 2 caliper body
- A pair of 2 rotors
- A pair of 2 stainless brake lines
- Two pairs (4 pads total) of our street brake pads with built in shims
- 2 stainless brake line banjo bolts
- 4 copper brake line washers
- 4 brake pad pins
- 4 brake pad insert pins
- 2 brake pad stopping shims

Optional:




- Standard rotors
- 2-piece floating rotors
- Track and Pro brake pad upgrades available beyond our standard included Street pad

All kits come standard with Street Pads.

Configurations

Caliper Option	Material	Piston Configuration	Bracket Option	Color Options
EL Series	Cast Monoblock	4 or 6-Piston Front 2-Piston Rear	Yes	Black Grey Red Custom Avail.
RG Series	T-6066 Raw Alloy – T651 Heat Treatment	6-Piston Front 6-Piston Rear	No	Black Red Custom Avail.
GT Series	T-6066 Raw Alloy Monoblock – T651 Heat Treatment	4 or 6-Piston Front 2 or 4-Piston Rear	Yes	Silver Black Custom Avail.

Rotor Option	Material	Modular	Heat Expansion
Standard Rotor	FC-25 Steel with Carbon	No	0.45
True 2 Piece Floating	FC-25 Steel with Carbon/ 7075-T6	Yes	0.45

Pad Options	Material	Temperature Range	Friction Coefficiency	Anti Brake Dust
Street (Gray)	Nao Composite (Non-Asbestos Organic)	50-650 degrees Celsius	0.45MU	
Track (Red)	Nao Composite (Non-Asbestos Organic)	50-720 degrees Celsius	0.51MU	
Pro (Gold)	Metallic	270-800 degrees Celsius	0.55MU	

Colliders | Suspension





Comfort & Handling

Choose from two distinct configurations of coilovers to cater to your specific needs. Our Street Spec coilovers are designed with a linear valving system to prioritize street comfort, while also providing ride height adjustability for a customized experience. On the other hand, our Track Spec Coilovers are equipped with a digressive valving system, delivering firm and controlled responses, making them the ideal choice for your track performance needs. Choose the perfect suspension solution to match your driving style with TDMi.

Build Quality

TDMi presents a versatile single coilover option that can be tailored to meet your specific needs.

Our coilovers come with 16-way adjustability and is meticulously crafted with patented needle bearings from SFK, complemented by a top mount bearing created by NSK. The shock absorber's design boasts a 54mm monotube structure encased in a high-quality Japanese steel SAE9254 TDMi spring or your choice of **Swift Springs** or Japanese market **Bestex Springs**. Built with a 42mm linear pistons (Street Spec) or 42mm digressive pistons (Track Spec), all expertly filled with Idemitsu/Fina synthetic racing oil.

custom setups available



Track Spec



Street Spec



Track Spec with Swift Spring Option

Configurations & Item List

Coilover Option	Valving	Camber Plate	Partner Options
Street Spec	Linear Valving (Comfort)	No (Optional)	<ul style="list-style-type: none">• Swift Spring• Bestex
Track Spec	Digressive Valving	Yes	<ul style="list-style-type: none">• Swift Spring• Bestex

Available Spring Rates:

4k - 5k - 6k - 7k - 8k - 9k - 10k - 12k - 14k - 16k - 18k

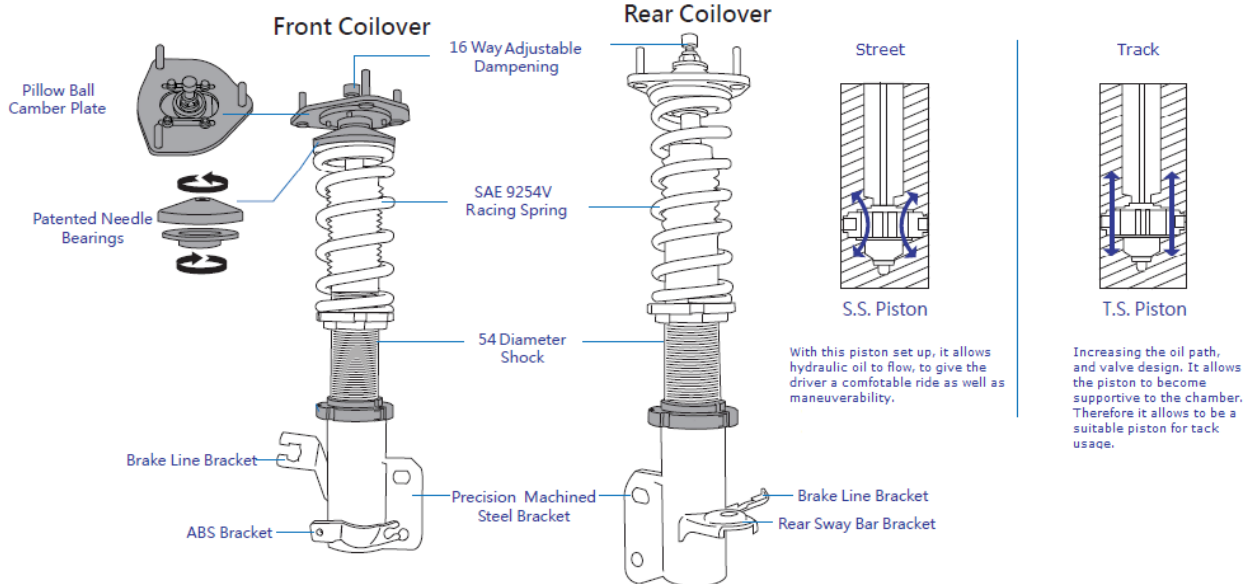
What's in the box?

- Pair of Front Coilovers
- Pair of Rear Coilovers
- 2 Spanner Wrenches
 - Hardware

Endlinks (If Applicable)

Rear Dampening Extenders (If Applicable)

Suspension Diagram



Addl. Suspension

Spherical Bushings



TDMi Spherical bushings are crafted from a blend of Teflon, alloy, and graphene materials and enclosed within a housing made of either stainless steel or alloy, tailored to the specific application. These bushings are equipped with top-quality silicone dust seals, effectively preventing the intrusion of oil and dust. They are not only free from grease but also require no maintenance.

TDMi Chromoly Adjustable Arms are designed to excel in both racing and street scenarios. These adjustable arms feature a high-quality powder coating and are constructed from **SCM435 chromoly**, guaranteeing their durability for various applications.

Available for certain Makes/Models



Suspension Arms

TDMi sway bars are engineered to perform exceptionally well in both racing and everyday street conditions. Constructed from spring steel, these bars ensure their durability across a wide range of applications.

Available for certain Makes/Models



Sway Bars

Accessories



Build with Passion

TDMi offers top-notch accessories for your customization needs, be it for your vehicle's interior or exterior. We exclusively use high-quality parts that are unmatched in quality and not available elsewhere, with absolutely no room for cheap imitations or compromised quality control.

Modular Shift Knob

The TDMi modular shift knob is designed to be the ultimate shift knob you'll ever need to purchase.

If you're not a fan of your current shift knob's color, you can easily switch to something more appealing with our separate selection of interchangeable Delrin or Alloy Grips.

Our weighted shift knobs are meticulously machined to thread directly onto your chassis' shifter location without requiring adapters or plastic inserts.



Shift Knobs are available in:

- 10×1.25 Most Nissan/Mazda/Mitsubishi Models
- 10×1.50 Most Honda Models
- 12×1.25 Most Subaru/Toyota Models



What's in the box?

- Machined Shifter Base (choice of short or tall)
 - Delrin Sleeve (Choice of Red and Black)
 - 5 Speed Metal Badge
 - 6 Speed Metal Badge

Optional:

- Alloy Sleeve (Additional Cost)

Engine Caps



Customize



Ensuring precise fitment for several Nissan and Subaru models. Our Engine Cap product range includes the Washer Fluid Reservoir Cap, Oil Cap, Coolant Reservoir Cap, Brake Reservoir Cap, and Vacuum Cap. These caps are meticulously crafted from aircraft-grade 6061 aluminum and anodized to prevent oxidization issues down the line.

Additionally, we offer the option to incorporate your logo onto these caps, providing a personalized touch

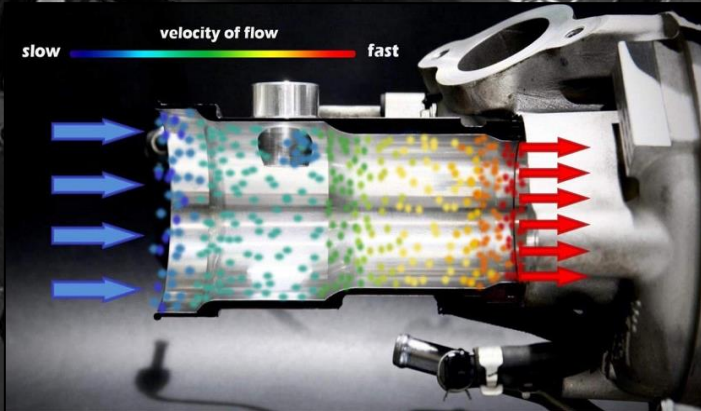


Personalize



Turbo Inlet

One of our flagship products that has often been imitated within the market is the authentic TDMi billet turbo inlet, meticulously crafted for the 2015-2021 WRX equipped with the FA20DIT engine. This component serves as a direct substitute for the standard OEM plastic turbo inlet. Fabricated from 6061 billet aluminum, our billet turbo inlet undergoes precision CNC machining using 5-axis technology. To safeguard against oxidation and provide an attractive appearance, the surface is anodized.



Rigid Collars



TDMi Rigid Collars effectively eliminate subframe movement and associated rattling during heavy loads. They minimize steering wheel wobble on uneven road surfaces, enhancing suspension responsiveness and bolstering chassis rigidity.

These Rigid Collars are expertly crafted from a durable 6061 Aluminum Alloy, which has undergone rigorous testing in both endurance racing and daily street driving scenarios. The material has been uniquely engineered to provide a slight compression and perfect conformation to mating surfaces, ensuring maximum contact. It strikes a balance, offering the right amount of flexibility to withstand heavy loads without breaking or allowing surfaces to slide against each other.

Available for the 2022+ WRX VB



No Collar



Collar Installed

Addl. Accessories

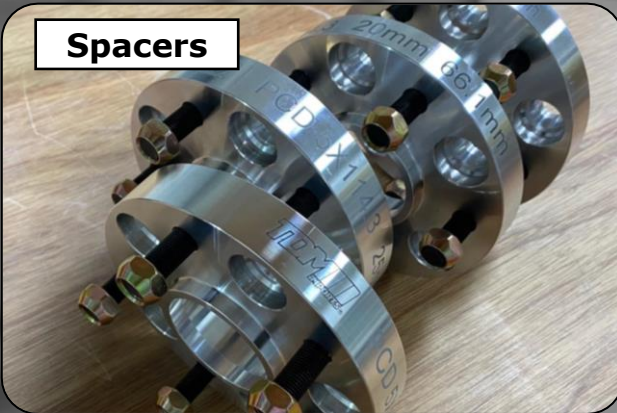
Our Spin Turn Knobs aka "ebrake buttons" are crafted from billet material and feature an anodized finish in a selection of four distinct colors.

Available for certain Subaru Models Only



Spin Turn Knob

Spacers



TDMi wheel spacers utilize an exceptionally **lightweight aluminum/magnesium alloy, precisely 7075 T6 (forged)**, with the aim of minimizing unsprung weight and have received **ISO9001 certification** of approval.

Our 4340 alloy extended steel wheel studs, which come in 1.25 or 1.50 fitment options, are compatible with Subaru and Nissan vehicles.

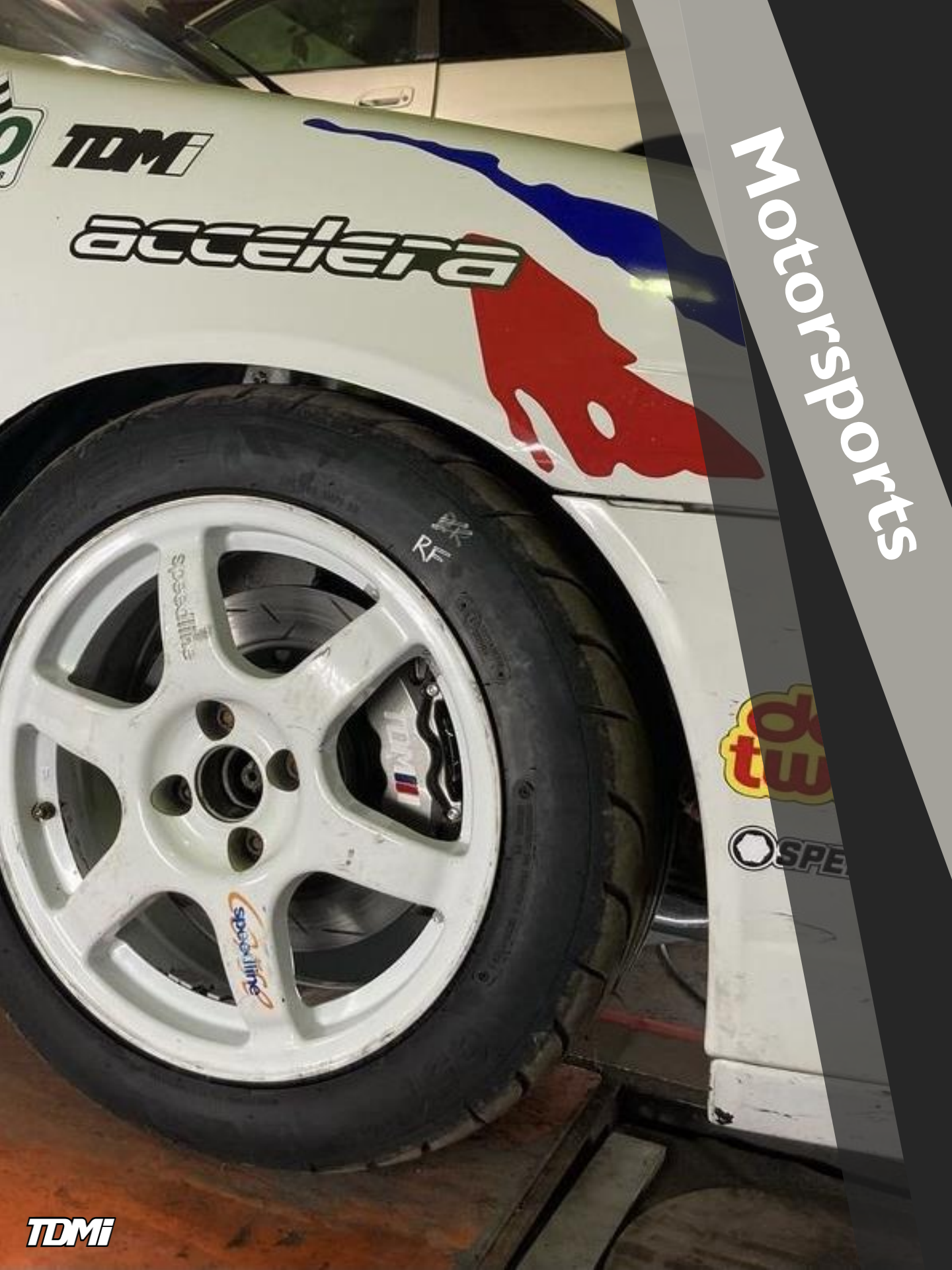
Specs: 80mm total length, 50mm of threading and 14.4 knurl

Other Models available to manufacture upon request

Extended Wheel Studs



Motorsports



Motorsports Resume

TDMi has been a steadfast ally for a wide spectrum of drivers, spanning from the grassroots of motorsports to the highest professional echelons. Our product range extends from accessories to substantial big brake kits. A significant testament to our commitment is the rigorous testing our products undergo across various track conditions.

Nissan Challenge



Drift Nirvana



A significant testament to our commitment is the rigorous testing our products undergo across various track conditions, catering to a diverse array of motorsport disciplines. These products have not only enhanced driver performance but also played a pivotal role in securing victories and setting new track records.

Drag Racing

In 2022, the TDMi Drag Spec Coilovers were instrumental in achieving the XFWD Nissan SR20 World Record Drag time of 8.379 seconds on the quarter-mile.

This success underscores TDMi's ability to create winning solutions with its products.

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23/APR/2022

AEROMOTIVE

AMERICAN MTRSPT

----- LEFT RIGHT

Car # ...	4004	1024
Class ...	FWD	FWD
Idx/Rec..	X.FWD	X.FWD
Ov/Un ...	8379	29346
DIAL ...		
R/T102	.113
60' ...	1.504	4.918
330 ...	3.877	12.956
1/8 ...	5.645	18.827
MPH ...	139.67	42.29
1000 ...	7.133	24.628
1/4 ...	8.379	29.346
MPH ...	180.89	49.18

Left 1st 0.9784
CompuLink AUTOSTART ON !!

Rnd # Q30 236/237



Omar Lopez / El Neyken



Custom Drag Spec Coilovers

750 Motor Club UK



GT Series BBK

Throughout multiple seasons, the CMR Racing Team has played a pivotal role in driving the progress of our brake kits, spherical bushings, and rigid collars.

With their feedback, TDMi components have assisted Daniel and Steven Cogswell secure several podium wins in the Tegiwa RoadSports series, where they competed in Class D.



Rigid Collars



CMR Racing Team

Formula Drift



Alex Lichliter #86 ProSpec

During 2022, TDMi formed a partnership with #86 Alex Lichliter and his Formulad Drift Prospec program to explore additional research and development possibilities. Alex Lichliter has played a pivotal role in offering feedback on our brake kits and suspension components, subjecting them to rigorous testing throughout practice and rounds of competition.

In collaborating with Alex Lichliter, we've received positive feedback from various programs regarding the durability and maintenance of our components. This has led to the development of several relationships within the sport, which, in turn, will contribute to TDMi becoming a preferred source for automotive needs among more drivers.





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