

TGT

TOUGH GEAR™

MILITARY CATALOGUE



MILITARY & SECURITY SOLUTIONS

WWW.TOUGHGEARTRADINGMILITARY.COM

WELCOME

Thank you for the opportunity to introduce Tough Gear Trading’s capabilities within the Military sector. We are committed to delivering a streamlined and dependable procurement experience, managing all freight and documentation to support efficient and compliant supply.

Our strength lies in our adaptability and our ability to deliver tailored solutions for complex military requirements. Supported by a global network with proven experience across the military, mining, and 4x4 automotive sectors, we provide the technical expertise and infrastructure required to meet operational demands.



We supply leading global brands recognised for their quality, durability, and innovation. For further information, please visit our website, where you will also find links to our Facebook and Instagram pages.

Kind Regards
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Founder and Director

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ABOUT US

Tough Gear Trading Pty Ltd (TGT) is a proudly Australian, family-owned company based in Brisbane, specialising in the supply of military-grade components, vehicle accessories, and specialised defence solutions. Founded in 2015 by industry veteran Gary Turner, TGT began in the 4x4 sector before expanding into the defence space to meet growing demand for a reliable, responsive Service Provider.

Today, TGT serves clients in nearly 30 countries, supporting some of the world’s leading armoured vehicle manufacturers and defence programs. Every engagement is led with the same core values: precision, accountability, and care.

We offer globally sourced, field-tested products backed by end-to-end service. Whether for specialised procurement or full-scale projects, we ensure the right solution—on time, to spec, and at the best value for operational success.

TGT is proudly endorsed by the Australian Defence Force (ADF), Trade and Investment Queensland (TIQ), and Austrade, and is an approved supplier to Saudi Arabian Military Industries (SAMI)—reflecting our credibility and trust within the global defence sector.

When you choose TGT, you’re not just choosing a supplier—you’re joining a team committed to excellence.



WHAT TGT OFFER

THREE DECADES OF OPERATIONAL EXCELLENCE

With nearly 30 years at the forefront of the automotive industry, TGT is a proven force in 4x4 engineering and security systems. We don’t just follow trends; we set the standard for the military, mining, and fleet sectors, delivering rugged solutions that perform in the world’s most demanding environments.

MISSION-SPECIFIC PACKAGED SOLUTIONS

We specialize in end-to-end integration. Our consultative approach ensures that every component—from individual tactical accessories to full-scale fleet overhauls—is tailored to your specific mission requirements. We manage the complexity so you can focus on the objective.

UNCOMPROMISING QUALITY STANDARDS

Operational environments require equipment that can stand up to heavy use. TGT leverages a global network of premier suppliers to source components built for the rigors of the military and mining sectors. We prioritize products with a proven track record of durability, ensuring your fleet is equipped with the most resilient hardware available.

GLOBAL OPERATIONAL SUPPORT

Defence requirements rarely align with a standard 9-to-5 workday. To meet these demands, TGT utilizes a global network of teams across multiple time zones. This international presence allows us to provide extended coverage, technical expertise, and rapid order fulfillment, ensuring you receive the support you need regardless of your location or time difference.



TGT HISTORY



- 2015:** TGT was born! We launched in 7 countries and appointed dealers in the Gulf Region.
- 2016:** Secured contracts with the UN and Saudi Arabia Military to support auto parts for specialized 4x4 vehicles.
- 2017:** Launched TGT Military with an expansion of light-armoured vehicle applications.
- 2018:** Expanded our range and became the international license holder for many strong Australian brands.
- 2019:** Launched TGT in Sub-Sahara Africa and expanded our global team with members in South Africa.
- 2020:** Introduced TGT camping products to Australia and began participating in local 4x4 shows. Secured warehouse facilities within Australia.
- 2021:** Launched a brand-new webpage and updated catalogues. Secured MOD contracts in numerous countries.
- 2022:** Launched new products in Australia and established new partnerships through Carsales and Goodyear/Dunlop stores. Expanded the corporate offers of the TGT Rooftop Tent into Australia with significant peak deals concluded. Expanded TGT in Europe.
- 2023:** Secured a significant partnerships for TGT in the Middle East and in Central Africa. Upgraded the TGT profile, through social media platforms and marketing content. Launched a new military catalogue and welcomed new suppliers. Launched mining applications.
- 2024:** Concluded exciting plans with various 4x4 and defence shows planned globally. Extended TGT's reach even further with multiple business trips. Continued participating in numerous defence shows with the Australian Defence team and launched our Tough Gear Trading Military Webpage. Launched the TGT mining sector and catalogues. TGT achieved approval from SAMI, further solidifying our reputation in the industry!
- 2025:** Launched a partnership with Papua New Guinea. Expanded the military defence sector offering. Finalised contracts in Saudi Arabia with further expansion network.

MILITARY HISTORY

TGT has supported defence and security projects across multiple regions, supplying high-quality components and tailored solutions to armouring manufacturers, defence contractors, and military end users. Our focus remains on delivering dependable products that perform in demanding operational environments while providing practical, value-driven solutions.

In 2017, TGT expanded its defence capabilities by entering into agreements for the manufacture of military and security vehicles, strengthening our position as a solutions-driven partner in vehicle systems and integrated defence platforms.

Continued growth has been supported through international project approvals and regional expansion, including projects approved in Malaysia and Kenya in 2025, and Oman and Saudi Arabia in 2026. TGT also achieved SAMI approval in 2023 and continues to strengthen its presence in the Middle East, including the establishment of a regional distribution centre in Oman and the appointment of a dedicated Business Development Manager in the region in 2026.

Over the past five years, TGT has made significant investments in global defence exhibitions, including participation in Australia's Land Forces Defence Expo in 2024, reinforcing our commitment to industry engagement and international growth.

TGT continues to expand its product offering in response to evolving operational needs. In 2022, dedicated Military and Commercial catalogues were developed to better support defence and automotive supply chains. By 2023, 89% of military product offerings were sourced from Australian-origin suppliers, strengthening supply reliability and supporting sovereign capability.

TGT remains committed to delivering mission-ready solutions supported by global partnerships, regional capability, and a strong focus on operational performance.



PROJECTS

PROJECT EXPERTISE

Tough Gear Trading is a global leader in vehicle protection solutions, with a proven track record of successful project rollouts across diverse markets, including military, fleet, mining, and retail sectors.

Our Project Management Approach

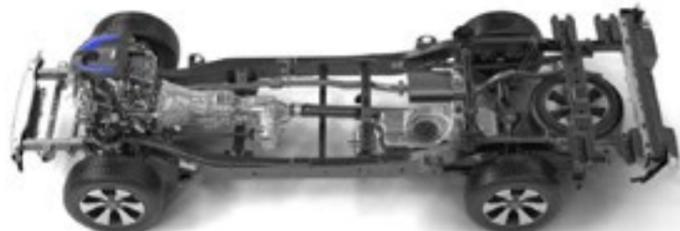
We prioritize a meticulous approach to project management, ensuring:

- **Meticulous Planning:** Ensuring smooth project execution.
- **Strong Partnerships:** Collaborating with stakeholders for optimal outcomes.
- **Clear Communication:** Keeping everyone informed throughout the process.
- **Advanced Tools:** Leveraging technology for efficiency.

Our core competencies include:

Protection solutions for a wide range of 4x4 vehicles, such as:

- Light Patrol & Energy Company Vehicles
- Mobile Workshops
- Ambulances & Fire Fighter Vehicles
- Troop Carriers & Command Vehicles
- Mining Vehicles & Army Vehicles



COMPANY CREDIBILITY

BUILDING TRUST AND EXPANDING REACH

We are proud of our ongoing partnerships with leading Australian organizations such as AUSTRADE, TIQ, and the ADF. Their endorsement is not just a badge of honour; it's a testament to the quality and reliability of our products and service.

We are also thrilled to announce that we've been officially approved by SAMI. This prestigious designation allows us to supply our products directly to the Saudi Arabian Military.

Benefits of Collaboration

Streamlined Processes: Their expertise helps us navigate complex processes and regulations, often shortening the time it takes to secure contracts. This allows us to focus on what we do best – providing top-tier equipment and exceptional service.

Informed Decisions: Their insights and feedback help potential clients make informed decisions with greater confidence. By working directly with a trusted source like AUSTRADE or TIQ, clients can be assured of our capabilities and commitment to quality.

Building Trust: Their endorsement strengthens our credibility in the eyes of both domestic and international customers. This allows us to build stronger relationships and secure valuable partnerships with dealers worldwide.



Our Ref: QOD24-064

11 April 2024

To Whom it may Concern

As the Queensland Government's global business agency, Trade and Investment Queensland (TIQ) has a twofold charter to support Queensland businesses develop and expand export opportunities and to attract international companies to invest, locate and partner in Queensland.

Tough Gear Trading is a key client of TIQ, and we have been working with the company for several years to support its growth in international markets.

Developing international partnerships and collaborations is a priority for Tough Gear Trading, and with TIQ's assistance has achieved success in several countries in the Pacific Islands.

Tough Gear Trading contributes significantly to Queensland's manufacturing ecosystem and its 4x4 accessory applications are used in a wide range of industries. TIQ will continue to work with Tough Gear Trading to support the growth of its export footprint and its international reputation.

Please direct any further enquiries to Mr Jason Lowther, Manager, Manufacturing, Consumer and Services by telephone +61 439 761 382 or email: Jason.Lowther@tiq.qld.gov.au.

Yours sincerely

Denise Kreymborg
General Manager, Queensland Operations
Trade and Investment Queensland

MILITARY ACCESSORIES

TGT specializes in military-grade accessories for a wide range of vehicles, including the Toyota Landcruiser 79 series. Discover innovative solutions for your next project.

BULLBAR

TGT has a range of bullbars to suit your vehicle, including Steel, Alloy and Polyethylene.

REAR BUMPER

The Rear Bumper include all the parts needed to make a perfect match between the body and the bumper.



MILITARY ACCESSORIES

ROLL CAGE WITH 360° TURRET

- Free Rotation Locking Mechanism
- Back Seat Roll Cage can accommodate UP TO 4 ppl
- Standing Platform with 2 extra places for Ammo Boxes

360° TURRET RING

- Safety Opening System
- Light Armoured Protection for Soldier
- Comfortable and Practical
- Greaseable Bearing

UNDERBODY PROTECTIONS

FULL UNDERBODY ENHANCEMENT

All of these Underbody Protection plates combined, makes a **full armour underneath** your 4x4, which covers **up to 90%** of the under carriage of the vehicle.

Features:

- Original Fixing Points
- Light Weight
- Resistant
- Non-Toxic
- Corrosion Resistance

Options:

- Sump Guard Skid Plate.
- Gearbox Skid Plate.
- Transfer box Skid Plate.
- Fuel Tank Skid Plate.
- Rear Axle Skid Plate.

GUN MOUNTS

The gun mount was designed for a 0.50 cal / 12.50 cal weapon to be fitted to a turret with variable angle. In both variations the turret has safety lock pins, which are very easy to use.

Disclaimer: Tough Gear Trading, its staff and affiliates, involved in this project are against all means of violence and **DO NOT** partake and commercialize guns/weaponry of any sort, and for this reason we wish to not be contacted about this. Enquiries or communication regarding this will be discarded.



WINCHES

Since our establishment in 2015, TGT have been engaged in manufacturing and exporting various winches and 4x4 off-road accessories.

Our TGT winches have gained a strong reputation as superior world-class products. Accordingly, our winches have been used for a variety of purposes - including incline load pulling, vehicle recovery recreation, commercial and military applications.

TGT has a variety of winches available ready to accommodate your specific needs. Our range of winches start at 8000lbs and go up to 20,000lbs. Our current main products includes; armoured vehicle winches, electric winches, modification parts for off -road vehicles and many other outdoor accessories.



FEATURES

Some features of our winches includes:

- Waterproof IP68 Rating
- Series Wound DC Motor
- UV Resistant Matt Black Coating
- Multiple Solenoid Mounting Points
- 3 Stage Planetary Gearset
- Remote Control
- Synthetic Rope or Steel Cable
- Larger Clutch Level
- Aluminium Fair Lead
- Sliding Ring Gear Clutch

Pull Strength Options:

- 8,000lbs
- 9,500lbs
- 10,000lbs
- 12,000lbs
- 15,500lbs
- 17,000lbs
- 20,000lbs





COMPLETE ARMOURED SUSPENSION SOLUTIONS

DESIGNED FOR EXTREMES

Uncompromising quality and innovation define our armoured vehicle suspension systems, engineered for professionals who demand absolute reliability. Each solution is purpose-built to suit the unique requirements of armoured platforms, with vehicle-specific configurations, custom spring rates and shock valving, and seamless integration with existing armour systems. Precise load calculations ensure optimal performance based on real-world weight distribution, supported by full technical assistance throughout the specification process. All systems are Australian tested and proven in extreme conditions, including harsh outback terrain, temperatures ranging from -10°C to 50°C, salt-spray coastal environments, and continuous operation in demanding mining and security applications.



SHOCK ABSORBERS

Tough Gear Trading have identified a need in the armoured vehicle industry for a larger bore, heavy duty, armoured vehicle replacement suspension solution. With a 50mm bore, TGT's armoured shock absorbers are the largest shocks we manufacture - originally intended for prime movers, we re-designed these to suit 4WD applications.

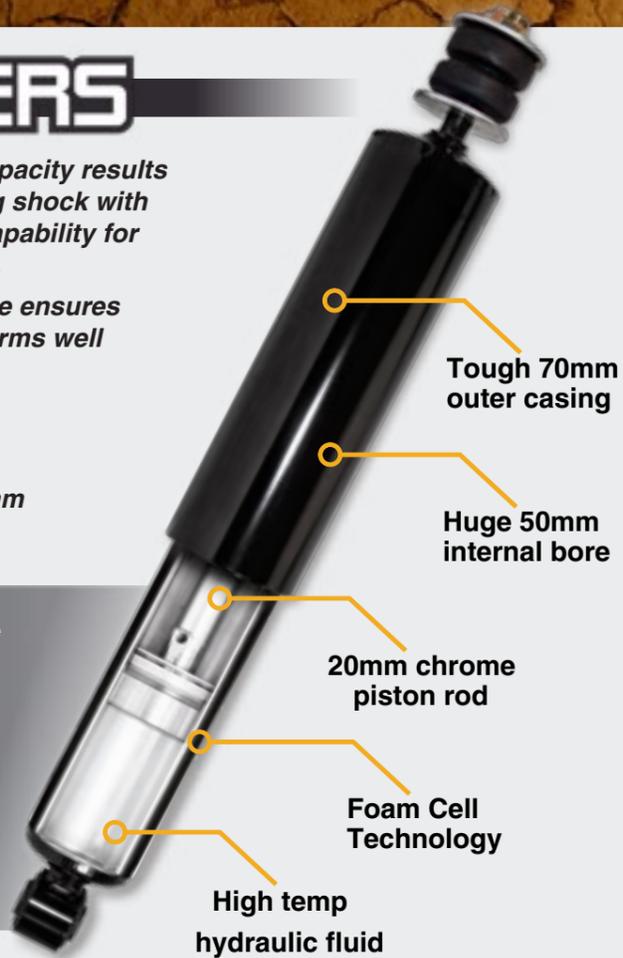
The increased oil capacity results in a cooler operating shock with increased valving capability for total vehicle control.

The Foam Cell sleeve ensures that the shock performs well in all applications.

- Bore Size: 50mm
- Rod Size: 20mm
- Outer Casing: 70mm



IFS Vehicles transmit all of the weight of the vehicle through the lower strut eye bush. TGT's Armoured shocks utilise a multi-layered design with a third metal ring laminated into the rubber for maximum strength and durability.



Tough 70mm outer casing

Huge 50mm internal bore

20mm chrome piston rod

Foam Cell Technology

High temp hydraulic fluid

SWAY BARS

Controlling the body roll created by the substantial amount of weight added to the vehicle during the armoring process is imperative to maintaining good road holding characteristics. TGT offers a range of Heavy Duty Sway Bars that will restore the handling qualities of the vehicle.

- Solid steel construction
- Supplied with complete fitting kit
- Australian-made urethane bushes
- Powder-coated finish



STEERING DAMPERS

Designed as a cost-effective upgrade for when the OEM gear isn't getting the job done, TGT's EXT Steering Damper will give you control and feeling back in your steering set up. With a 35mm internal bore and our Foam Cell insert to fight against fade in harsh use situations, this damper is the perfect companion for users looking to return their steering to OEM standard after adding the extra weight of armour & run-flat tyres to the vehicle.



LEAF SPRINGS

TGT's leaf springs are a truly progressive rate leaf spring. Each leaf is set slightly higher than the leaf above so there is contact along the whole length of each leaf. Flat bar steel in SUP9 and SUP9A grade is cut to length,

then the centre hole, diamond cut ends, and other fixtures are cold pressed into the steel. The military wraps and rolled eyes are formed, before the springs are heated to around 1000°C in a gas forge, and hot cambered to the required specifications. Quenched in oil to harden the springs, the leaves are then

tempered by being reheated in the forge. After tempering, the springs are shot-peened to a high intensity finish and stress relieved to guard against sag in the spring.

Finally, each leaf is individually coated in primer and top coat to ensure that every part of the steel is coated. After assembly, the leaves are dipped in paint to ensure total coverage.

- SUP9 and SUP9A steel
- Shot peened to relieve stress
- Precision mandrel & die-formed
- Pre-stressed to maintain ride height
- Powder coated finish



COIL SPRINGS

Made from X5K spring steel, our coils can be designed with less material while maintaining superior ride quality & load carrying characteristics.

This means the spring retains its original memory even after heavy loading.

The result - a lighter, tougher coil spring designed specifically for armoured vehicle applications. Manufactured using an exacting, computer controlled system, our armoured coil springs are CAD designed, and the blank steel is bar peeled to remove any surface defects.

The bar-peeled steel is heated to around 1000°C and then rolled into shape before being quenched in oil, which hardens the springs to 62HRC. Once hardened, the springs are tempered at 400°C, and if

required, machine ground to suit the application.

After tempering, the coil is shot peened, giving the coil a high intensity finish to ensure maximum fatigue life.

Finally, each spring is phosphate coated for corrosion resistance, and powder coated to create the finished product.

- X5K spring steel
- Shot peened to relieve stress
- Scragged and load tested
- Hardened to 62HRC
- Hot formed to maintain spring memory
- Powder-coated finish





AIR SUSPENSION

Designers & Manufacturers

EASY LEVELLING CONTROL

Since 1995, Airbag Man has been catering for a wide range of applications from Truck & Bus, 4WD & 2WD, Van, Trailer, Custom, Emergency, Amoured, Industrial, Agricultural, OEM & Fleet.

APPLICATIONS

Airbag Man Design & Manufacture vehicle specific Air Suspension Solutions to suit a wide range of Light to Heavy Automotive Applications for Maintaining a Safe & Level Ride Height when towing or carrying load.



FEATURES & BENEFITS



BOTTOMING OUT



EXCELLENT RIDE



UNSTABLE



STABILISED

HELPS PREVENT BOTTOMING OUT
EXCELLENT RIDE QUALITY

STABILISE BODY ROLL
IMPROVES STEERING & BRAKING



SAGGED



LEVEL



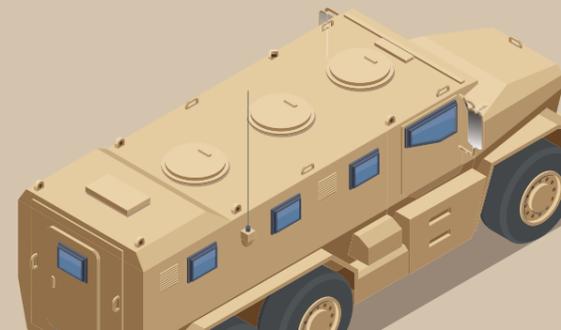
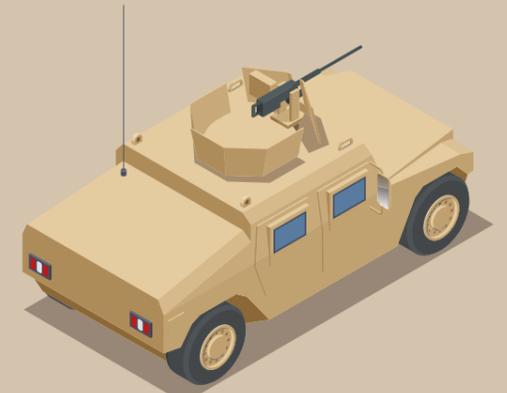
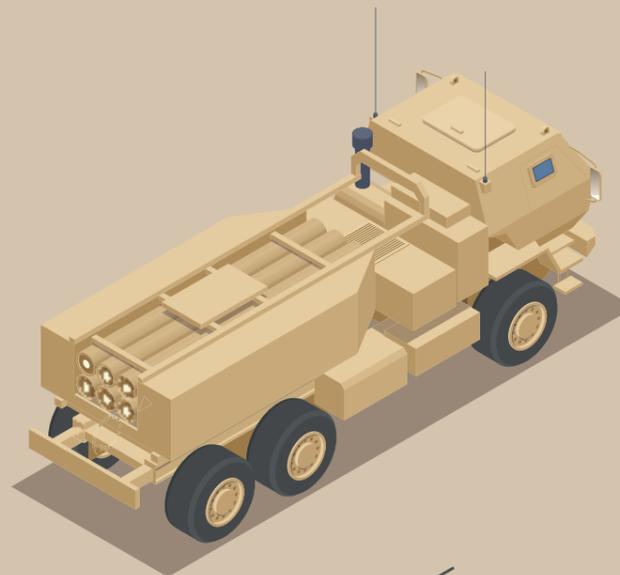
NO CLEARANCE



CLEARANCE

ELIMINATE SPRING SAG
SAFER LOAD CARRYING

HELPS PREVENT TAIL SCRAPING
REDUCES TYRE WEAR



OPTIONAL ON BOARD AIR CONTROL & SUPPLY SYSTEMS



Build your own Tailor Made On Board Air Control & Supply System to suit your specific individual requirements whether it's Airbag Inflation Only, Tyre & Airbag Inflation or Auto Levelling.

We have a wide range of On Board Air Solutions from Paddle Switches, Electric Switches, Wireless Controllers, Auto Levelling, Dual Digital Airbag Pressure Gauges, Wireless Airbag Pressure Gauges, Air Compressors, Levelling Valves, Fittings, Tubing, Compressor Repair Kits, Air Tanks, Valve Blocks + More.



HEAVY DUTY PORTABLE AIR COMPRESSOR



CERTIFIED PERFORMANCE

-  **33" TYRE**
-  **16 PSI > 40 PSI**
-  **1 Minute
48 Seconds**

AC8340 AIR COMPRESSOR

- Certified High Flow output - **98LPM / 3.46CFM**
- **100%** duty cycle - inflate tyres without waiting
- **200 PSI** Maximum - in-built high temp reset
- Dust and Moisture resistant, ok to hard mount
- Dedicated air filter for harsh conditions (includes replacement elements)
- Efficient AMP draw with heavy duty battery clamps and inline fuse
- Easy to store, **7m** reinforced coil hose
- High quality clip-on connector with deflator
- Heavy duty framed and padded carry bag
- **5kg** total weight
- Storage cavity needed for compressor in carry bag:
L 360mm x W 220mm x H 200mm
- Compressor only:
L 340mm x W 140mm x H 195mm
- 3 year Warranty



SPECIFICATIONS

Voltage:	12 Volt DC
Max. Amperage:	35 Amps
Max. Pressure:	200 PSI
Max. Duty Cycle (23°C & 100 PSI):	100%
Flow Rate @ 0 PSI (13.8 Volts):	3.46 CFM

HEAVY-DUTY & PERFORMANCE CLUTCH SOLUTIONS

Our heavy-duty and performance clutch kits are designed, developed, and rigorously tested in-house to deliver optimal clamp load, superior torque capacity, and long-term reliability.

The New Standard In Quality.

Our Product Range Includes:

- Hydraulics
- Clutch Kits
- Concentric Slave Cylinders
- Performance & Heavy Duty
- Dual Mass & Single Mass Flywheels
- Clutch Aligning Tools

What's Included:

Clutch kits are supplied as a complete three-piece assembly, including the cover, disc, and release bearing or concentric slave cylinder (CSC).

Clutch and flywheel kits also include the flywheel and flywheel-to-crank bolts*.

As an added bonus, all kits now include a pilot bearing or bush* and installation grease.

*Where applicable/available



ARMOURED SERIES

TOYOTA LANDCRUISER 76/78/79

TOYOTA LANDCRUISER GRJ7_ 1GRFE 4.0L V6

STAGE 1 PEAK TORQUE 921NM*

P/N - PDK43800H2SF

- Rated Torque 576ft/lb - 783NM* inc 15% Factor of Safety [FOS]
- Custom Cover Assembly - Clamp Load 1250kg
- Custom Nodular Iron Flywheel - Burst Resistant
- Coppermix Organic High Torque Friction Material - Smooth Engagement



TOYOTA LANDCRUISER GRJ7_ 1GRFE 4.0L V6

STAGE 2 PEAK TORQUE 1128NM*

P/N - PDK43800X2SF

- Rated Torque 705ft/lb - 958NM* inc 15% Factor of Safety [FOS]
- Custom Cover Assembly - Clamp Load 1530kg
- Custom Nodular Iron Flywheel - Burst Resistant
- Coppermix Organic High Torque Friction Material - Smooth Engagement



TOYOTA LANDCRUISER VDJ7_ 1VDFTV 4.5L V8

STAGE 1 PEAK TORQUE 936NM*

P/N - PDK43015H2

- Rated Torque 585ft/lb - 795NM* inc 15% Factor of Safety [FOS]
- Custom Cover Assembly - Clamp Load 1180kg
- Coppermix Organic High Torque Friction Material - Smooth Engagement



TOYOTA LANDCRUISER VDJ7_ 1VDFTV 4.5L V8

STAGE 2 PEAK TORQUE 1012NM*

P/N - PDK43015X2

- Rated Torque 632ft/lb - 860NM* inc 15% Factor of Safety [FOS]
- Custom Cover Assembly - Clamp Load 1275kg
- Coppermix Organic High Torque Friction Material - Smooth Engagement



ALL KITS INCLUDE ALIGNMENT TOOL AND INSTALLATION GREASE

* ALL TORQUE RATINGS ARE AT THE FLYWHEEL



DYNAMIC BRAKE SOLUTIONS

Our Rotors and Drums are developed from OE samples and made of a specialised high carbon material for added strength and sound dampening qualities.

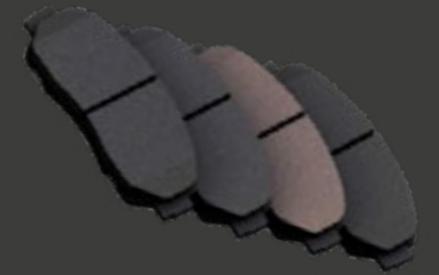
Our Rotors come with a lateral runout of 0.1mm or less and are mill balanced for a thickness variation of less than 0.01mm.

Our Rotors and Drums are inspected throughout the manufacturing process for consistency and quality.

FEATURES:

- Anti-Corrosion coating to rotor hat and venting surface
- Non-Direction ground rotor finish for faster bed-in.
- Cast from G3000 qualified material for strength and hardness to meet or exceed OE specifications.

BRAKE PADS



Each compound is specifically matched to its application and engineered to be a cost-effective solution, without compromising on noise, performance, quality and safety of the vehicle and its occupants.

KEVLAR INFUSED - CERAMIC BRAKE DISC PADS

Utilising an advanced Hybrid Kevlar Ceramic Formulation, Kevlar Infused general purpose pads provide Ultra Quiet operation with Low Dust and no black residue. Kevlar is long lasting while being soft on rotors, extending service life.

TITANIUM 4WD

OUR LATEST FORMULATION

This Premium Formulation has Titanium infused throughout the friction material. This provides consistent braking performance over a much wider temperature range with strong Anti-Fade properties and increased 'bite'.

STREET COMPOSITE - BRAKE DISC PADS

Utilising an advanced Hybrid Kevlar Ceramic Formulation, Kevlar Infused general purpose pads provide Ultra Quiet operation with Low Dust and no black residue. Kevlar is long lasting while being soft on rotors, extending service life.



POWERBRAKE A-LINE SOLUTIONS

Powerbrake supply the very best Big Brake Upgrade kits for commercial vehicles where the GVM is increased typically in vehicles upgraded for safety reasons. The kits feature direct technology transfer from the R-Line off-road race brake systems that have been used by works race teams in FIA Cross Country World Championships, as well as the infamous Dakar Rally.

This technology was used as basis and a solution developed for use in security vehicles such as the TLC200, TLC300 and TC79.

With unique heat distribution capabilities built into the discs, combined with a state-of-the-art caliper specially for extra heavy duty applications, and a brake pad solution designed for ultimate braking in all situations, this kit gives the driver the ability to safely bring the vehicle to a standstill.

BIG BRAKE KITS

The popularity to enhance the safety of occupants in SUV's and Pick-ups has led to an increased demand for brake upgrade solutions. This demand led to the developing of "Big Brake" Kits that includes larger discs, multi piston billet calipers, high performance brake pads and stainless steel braided brake lines. These kits have significantly improved brake performance on vehicles that have been upgraded to ensure the safety of the occupants in all conditions, reducing brake fade and stopping distances. The increased weight of these vehicles put a strain on the brakes, leading to brake fade and poor stopping distances. Powerbrake's A-Line Big Brake Kit helps to improve brake performance by increasing the braking surface area and providing more stopping power and shorter stopping distances.

Available for:

- TLC200 & TLC300
- TLC79
- Tundra
- Hilux
- Tacoma
- Prado 150
- TLC100 & TLC105
- LEXUS GX470/460
- LEXUS LX470/570/600
- Fortuner
- FJ Cruiser
- Ford Ranger/Everest



A-LINE BIG BRAKE KIT

Toyota Landcruiser 79 Armoured Vehicle Brake Upgrade 6-piston / 330x33mm/350x33mm front big brake upgrade for armoured Toyota Landcruiser 76 / 78 / 79 models (2000MY onwards). FOR 16" and 17" Wheel Applications

Features:

- 6-piston billet aluminium caliper bodies
- Thick-walled stainless-steel pistons FRONT
- High temp seal polymers and internal wiper rings
- Recessed bleed screws for added rock protection
- Caliper temperature measuring system Benefits:
- High carbon 330x33mm diameter slotted discs for 16" Wheels and High carbon 350x33mm diameter slotted discs for 17" >" Wheels
- Powerbrake MTR disc temperature measuring
- Billet aluminium mounting brackets and hardware
- 32-strand braided steel brake lines

Toyota Landcruiser 300 Armoured Car Brake Upgrade 6-piston / 370x34mm front big brake upgrade with rear disc / pad upgrade for armoured Toyota Landcruiser 300 / Tundra Gen3 / Sequoia Gen3 models (2022MY on) & Lexus LX600 models (2021MY on).

Features:

- 6-piston billet aluminium caliper bodies & Thick-walled stainless-steel pistons

FRONT

- High carbon 370x34mm diameter slotted discs
- Powerbrake MTR disc temperature measuring
- High temp seal polymers and internal wiper rings
- Recessed bleed screws for added rock protection
- High friction brake pad set
- Powerbrake MTR disc temperature measuring
- 32-strand braided steel brake lines
- Caliper temperature measuring system
- Billet aluminium mounting brackets and hardware



REAR

- High carbon D-Line slotted discs
- High temperature coating for corrosion protection
- High friction brake pad set for OE calipers

POWERBRAKE CALIPERS

At Powerbrake, we believe strongly in the benefits of machining our multi-piston calipers from solid billet. All of our A-Line Calipers are machined from high-grade aerospace aluminium billets, and we've chosen to manufacture the A-Line range from the same material. Machining from billet is admittedly an expensive way to manufacture calipers but it results in a finished product that exhibits exceptional levels of strength and rigidity.

How do we bring our billet A-Line calipers to the market at such competitive prices?

Through significant investment in state-of-the-art 5-axis CNC production equipment that allows us to machine the calipers with maximum efficiency. The fact that we machine all of our calipers from billet, matched to the FEA enhanced caliper designs themselves, results in calipers with an impressive rigidity to overall size ratio. The slim profile of the calipers reduces un-sprung weight and aids with wheel clearance.



CALIPER PISTONS & MOUNTING BRACKETS

Powerbrake A-Line calipers all feature stainless steel pistons. Stainless steel is significantly more expensive to manufacture caliper pistons from than the aluminium pistons used by many of our competitors but the benefits are well worth the investment. Stainless steel transfers heat far slower than aluminium. The result is that stainless steel pistons slow the transfer of heat from the brake pads to the calipers seals and brake fluid, hereby reducing the chances of boiling brake fluid and also extending seal life. Our caliper pistons are manufactured by a special grade of stainless steel that is more than twice as strong as regular 304-grade (in terms of yield and ultimate tensile strengths), while maintain the same levels of corrosion resistance.

A-Line caliper mounting brackets are machined from billet aircraft grade aluminium alloy, FEA enhanced for strength and rigidity and (type-3) hard anodised. One detail to note is that we use stainless steel thread inserts for the radial mount bolts that secure our A-Line calipers to the caliper mounting brackets. Since A-Line calipers feature a solid caliper reinforcement bridge, you need to remove the two caliper radial mount bolts in order to change pads. For this reason we use thread insert in our mounting brackets to achieve maximum thread strength and durability. Similar thread inserts are used extensively used in the aerospace industry due to their increased strength over conventional aluminium threads.



MTR SYSTEM

Disc Maximum Temperature Recording (MTR) System

Unique to Powerbrake, all A-Line discs feature our MTR system that provide a permanent record of the peak operating temperature reached by the discs. This information is extremely valuable when selecting correct pad compounds for your application. The thermal-paint tabs are applied to the outside diameter of all A-Line discs (on both the inboard and outboard disc plates).

Each single-change paint colour (4-levels: Blue, Green, Orange and Pink) changes to white when a specific temperature is reached, hereby providing a record of the peak operating temperature of the disc. We also add a multi-change paint that can be used with a provided colour gradient chart to further refine the results to a more specific temperature. The simple information required to interpret the results recorded by the MTR system on our A-Line discs is provided in the instruction manual that accompanies every A-Line big brake kit.



BRAKE LINES

The brake lines included with our A-Line big brake kits feature an extruded Teflon inner lining that is highly resistant to the aggressive chemical properties of modern brake fluids, as well as being able to handle far higher temperatures than rubber. The Teflon lining is covered by 32 strands of tightly woven stainless steel braid that acts as the muscle of the hose, providing incredible resistance to expansion under pressure. Our stainless braid is covered with a polymeric outer layer that prevents dirt from getting between the stainless braid and the Teflon inner lining. The end fittings on our hoses are all machined from grade-304 stainless steel as opposed to the plated, mild steel fittings used by many of our competitors. The resulting hose assemblies offer the best possible pedal feel, matched to excellent durability and corrosion resistance.

A LEADER IN AUTOMOTIVE INNOVATION

For over 50 years, our braking range has stood at the forefront of Australian innovation. As the nation's leading preferred disc rotor manufacturer, this range delivers patented, award-winning solutions—from rotors and pads to hydraulics and accessories. Backed by nearly 20 industry awards, these products are developed by a founding member of the Australian Auto Innovation Centre.

PRODUCT RANGE & GLOBAL DISTRIBUTION

Our selection covers 97%+ of the Australian car parc, providing high-performance braking for street, 4x4, SUV, towing, military, and motorsport applications. These components are exported to more than 30 countries worldwide, with custom manufacturing capabilities available to meet specific requirements.

QUALITY, PERFORMANCE & SAFETY

Engineered with premium materials, tight tolerances, and patented innovations, our braking components deliver superior, reliable performance. Designed for those who refuse to compromise on safety, these products consistently outperform generic alternatives in the most demanding environments globally.



BOOST YOUR BRAKING POWER BRAKE UPGRADE KIT

Our Brake Upgrade Kits deliver the stopping power, control, and durability required for serious touring. Each kit features unrivalled 4000 Series upgrade rotors, XP-Level brake pads, large 6 or 8 piston calipers (vehicle application specific), and extra-durable braided hoses.

These kits are the ideal solution for vehicles equipped with heavy aftermarket accessories, as well as those used for off-road trekking, constant towing, or heavy hauling.



**4000S
T3 SLOTTED
ROTORS**

These rotors feature our patented Kangaroo Paw ventilation system for superior heat dissipation, stability, and reduced brake fade. The T3 slot design provides a quieter, smoother pedal feel and improves dust and gas evacuation.



**6 OR 8*
PISTON
CALIPERS**

*Vehicle Application Specific

Larger, high-performance calipers deliver improved clamping force for consistent, high-performance braking in demanding conditions.



**BRAIDED
HOSES**

Stainless-steel braided hoses are a key upgrade from rubber lines, reducing expansion and providing a firmer, more consistent pedal feel under heat.



T3

THE ULTIMATE DIRECT REPLACEMENT 4X4 ROTOR

Built on a foundation of advanced T2 slotting technology, the T3 slot design features additional, precise, CNC-machined tri-symmetrical slots. This engineering results in an even quieter, more responsive, and smoother brake pedal feel. The T3 pattern significantly increases the number of exit points for brake pad friction dust and gases to escape. This enhanced venting ensures greater consistency and effectiveness during every stop, especially under heavy-load conditions.

FEATURES & BENEFITS:

- Premium grade of materials for reliable & consistent braking performance
- Kangaroo Paw ventilation improves cooling by up to 20%
- Patented T3 slotting provides enhanced pedal feel & improved dust evacuation
- TGHP stripes helps monitor rotor fatigue & operating conditions
- Painted non-friction surfaces inhibit rust

THE PERFECT MATCH

XP brake pads deliver high initial bite and consistent friction across a wide temperature range, engineered for heavy-duty braking under extreme conditions.

FEATURES:

- High performance across the full temperature spectrum
- Scorched for optimal braking performance
- Carbon-fibre, low-copper formulation (NSF1 certified)
- Application-specific NVH shims and slots for less vibration and noise
- ECE-R90 approved (check individual part number for applicability)



XTREME
PERFORMANCE



OUR CLUTCHES ARE A TAILOR-MADE MILITARY SPECIFICATION RANGE DESIGNED FOR EXTREME PERFORMANCE AND RELIABILITY.



CLUTCH KITS

We supply performance clutch kits and systems for modified road vehicles, armoured and motorsport applications.

Engineered for the toughest conditions on the planet, our Clutch Kits offer increased Torque Capacity whilst retaining excellent drive-ability.



RESEARCH AND DEVELOPMENT FACILITY

Our clutch kits are tested in-house utilising one of the most advanced clutch research and development facilities in the world.

The R & D facility has been developed to incorporate a wide range of testing equipment ensuring the engineering team can accurately measure bearing loads, pressure plate clamping force and even the clamping force changes over the lifecycle of the product.

This extensive testing process ensures only the highest quality and performing components are utilised in our Clutch Kits.





HEAVY DUTY ORGANIC CLUTCH KITS

- + High quality performance pressure plate
- + Approximately 15-25% increase in clamping force depending on application
- + Organic friction disc for retained driveability



HEAVY DUTY CERAMIC CLUTCH KITS

- + High quality performance pressure plate
- + Approximately 15-25% increase in clamping force depending on application
- + Ceramic friction material for high heat and torque capacity



HEAVY DUTY UPGRADE TO SUIT TOYOTA LANDCRUISER 1998-2007 4.2L

PARTNUMBER: MK1004T1

- + 590Nm / 440 ft. Lbs torque capacity
- + Sprung organic friction disc
- + Kit includes pressure plate, friction disc, thrust bearing and pilot bearing
- + Upgrade offers improved torque capacity whilst retaining excellent driveability.



HEAVY DUTY UPGRADE TO SUIT TOYOTA LANDCRUISER 2007-2015 4.0L

PART NUMBER:MK1002T1

- + 540 Nm torque capacity
- + Sprung organic friction disc
- + Kit includes pressure plate, friction disc, thrust bearing and pilot bearing
- + Upgrade offers improved torque capacity whilst retaining excellent driveability.



CERAMIC CLUTCH UPGRADE TO SUIT TOYOTA LANDCRUISER 1998-2007 4.2L

PARTNUMBER: MK1004T8

- + 1140Nm / 840 ft. Lbs torque capacity
- + Sprung ceramic friction disc
- + Kit includes pressure plate, friction disc, thrust bearing and pilot bearing
- + Upgrade is designed for applications requiring a high heat and torque capacity.



CERAMIC CLUTCH UPGRADE TO SUIT TOYOTA LANDCRUISER 2007-2015 4.0L

PART NUMBER:MK1002T8

- + 810 Nm torque capacity
- + Sprung ceramic friction disc
- + Kit includes pressure plate, friction disc, thrust bearing and pilot bearing
- + Upgrade is designed for applications requiring a high heat and torque capacity.

ULTRA LIGHT ARMOUR SYSTEM

Designed for people who need protection against theft, crimes, assault and kidnappings.

The best option for those who live within the cities, where attacks are carried out with handguns.

3D-Shield is a custom made armoring system that fits precisely to the shapes of your vehicle. During the assembly, 3D-Shield panels assure maximum ballistic protection.

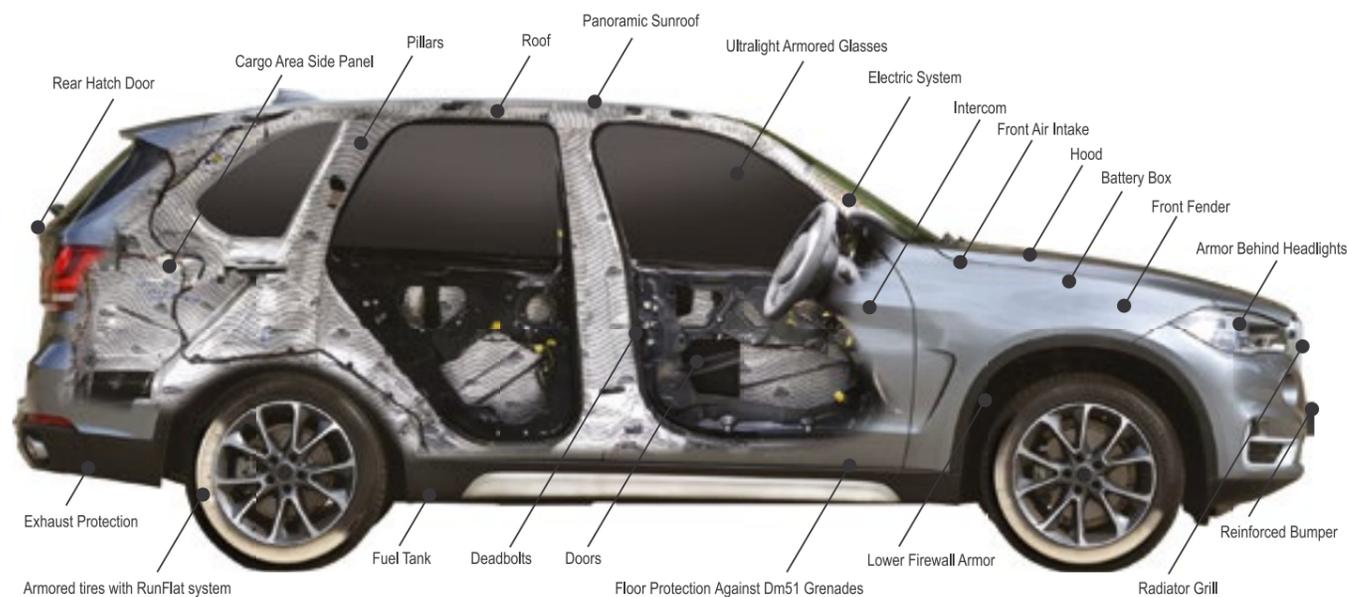
The result is advanced protection with top quality finishes.

Since all the bulletproof panels are designed to fit the shapes of the vehicle, it doesn't require an expert's eye to determine if an area has been protected. After the armour panels have been installed a trained technician will reinstall the original upholstery and accessories.

ARMOR PROTECTION AGAINST

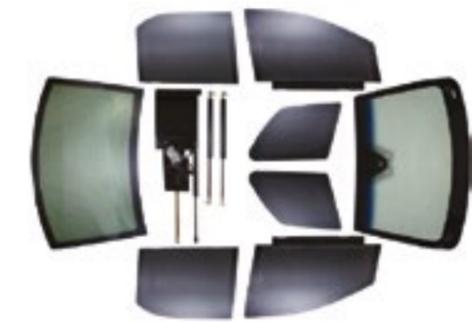


.22 LRHV .38 SPECIAL 9MM X 19 .357 MAGNUM .44 MAGNUM 9MM X 19



ARMOURED GLASS

- The glass is processed with the most advanced materials, to obtain maximum quality, visibility and resistance
- The final product is subject to be controlled by different state organisations and ballistic research laboratories, to guarantee the offered protection.
- Thanks to its machinery and advanced processes, it is possible to preserve the original glass accessories, as well as to make armoured glass that offers the same resistance with a lower weight.



ACCESSORIES

TGT offer a variety of accessories including but not limited to;

- Trunk Storage Boxes
- Graphic Design and Installation
- Radar Systems
- Weapon Mounts
- Push Bumpers
- Prisoner Transport Seating and Partitions
- Camera Systems



LIGHTING

LED DRIVING LIGHTS

The EX2 range of driving lights are ideal for a wide range of fleet and transport applications. Available in a variety of sizes, including 4", 6", 7" and 9" driving lights, and a 3" pod light as well as 10", 20" and 30" double or single row light bar.

EX2

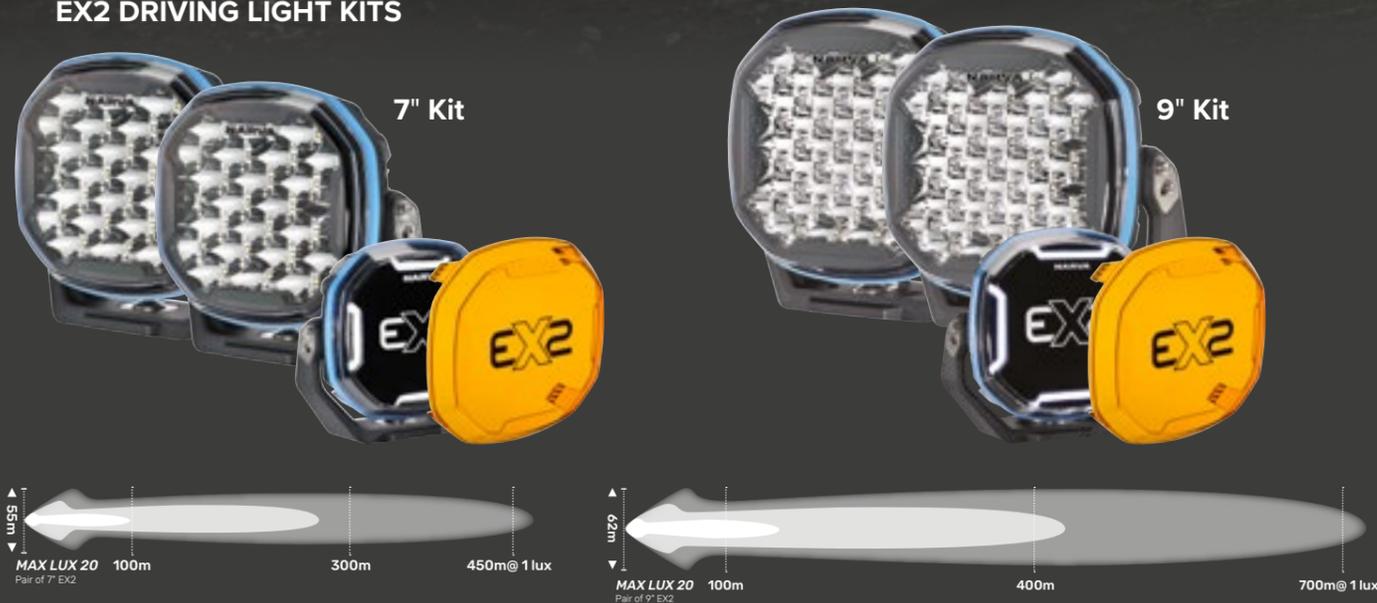


7
YEAR
NO FAULT
WARRANTY

20
CUSTOM TRIMS

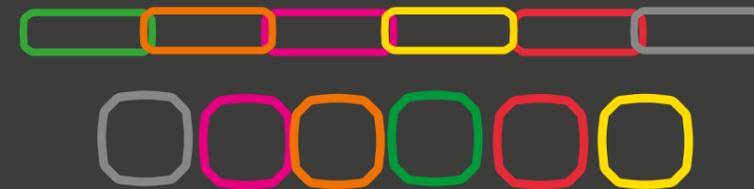
DIY
HARNESS
FREE

EX2 DRIVING LIGHT KITS



EX2 DRIVING LIGHTS and LIGHT BARS:

- Designed, engineered and tested in Australia
- Revolutionary, patent-pending internal switching design eliminates the need for a wiring harness
- Exceptional beam pattern performance with increased width for improved safety
- Amber lens covers for difficult conditions and Black for the stealth look
- Extensive customisation options
- 7 Year 'No Fault' Warranty



CUSTOMISE YOUR LOOK

EX2 Driving Lights and Light Bars can be customised by changing the colour trim - they come with Electric Blue and Stealth Grey. RGB controllers allow you to match trims to the colour of the light pipes.

EX2 LIGHT BARS



PLEASE NOTE: Position lights are ADR approved when in white mode only. RGB mode is for offroad use only.

EMERGENCY LIGHTING

Our emergency lighting range goes further to keep you safe. From powerful and innovative beacons and strobes to sleek and modern warning lights and light boxes, our emergency lighting products provide maximum visibility on the worksite and the road. With amber options for mining, construction and commercial industries, and red and blue lights for emergency services, TGT has a warning light for every vehicle and application.



UTILITY BARS

Designed and assembled in Australia, our Utility Bar range is tailored for the toughest environments, catering to council, utility companies, and the harsh mining conditions of Australia.



ELECTRICAL CONSUMABLES

- Fuses & Fuse Accessories
- Terminals, Connectors, Cables & Tape
- Heatshrink Tubing
- Switches

WORKING HARD

BEACONS, STROBES & LIGHT BOXES

Our emergency lighting range goes further to keep you safe. Our powerful and innovative beacons and strobes provide maximum visibility on the worksite and the road. With amber options for mining, construction and commercial industries, and red and blue lights for emergency services, TGT has a warning light for every vehicle and application.



WORK LAMPS

Our range offers an easy-to-understand lineup that caters to a wide array of applications.

Featuring good, better and best ranges to ensure just about any application is covered with multiple shapes, beam patterns and lumen outputs

- Effective vs Raw Lumens Stated
- One Range to Suit any Application
- Variety of Beam Patterns
- Vibration Tested & Rated



MICROLUX

5
YEAR
WARRANTY

10
YEAR
WARRANTY



FILTERS

- PREVENT CATCH CAN KITS
- BRAND NAME PRE-FILTER KITS
- 4WD FILTER SERVICING KITS

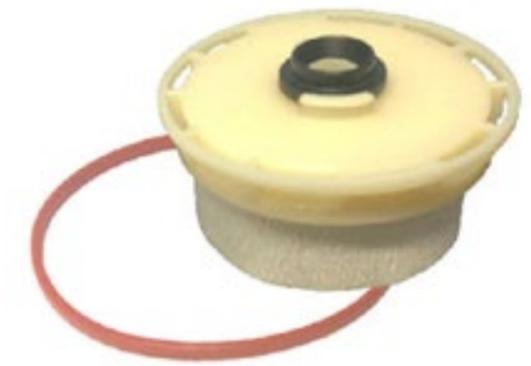
TGT have a range of Vehicle Specific Provent Kits for various Toyota models including Hilux, Fortuner, Prado, Land Cruiser 200 and 70 Series.

Modern diesel systems recycle crankcase fumes, often containing oil droplets, back to the air intake. This blow-by can clog air intakes, intercoolers, and turbo chargers, reducing vehicle performance.

Donaldson is an industry leader in heavy-duty filtration, replacement filters meet the same quality standards as OEMs and provide premium quality, durability and the highest level of protection for your 4wd. Available in 3, 4 and 11 microns.

Our kits come with everything you need to install a Provent and Pre-Filter like a Pro. kits include a Provent Catch Can, Pre-Filter (Donaldson, FM, Racor or PreLine), Bracket, Hoses and Fittings. Drainage Kits available on Provent Kits for easy removal of waste.

There are a range of Dual Bracket Kits which come with a Bracket which will seat both a Provent and Pre-Filter. Please enquire for more information.



HD RUNFLAT SYSTEM

Mobility device manufactured with a special ballistic co-polymer, to be installed inside the tire, on the rim, that allows the mobility and control of a heavy duty vehicle after losing air pressure.

Specially designed to support up to 5 tons load-rate each. Available for 20", 22.5" and 24.5" tires, and can be fitted in standard one-piece wheel or special bead-lock multi-piece rims.

Manufactured with a special ballistic co-polymer to assure optimal performance even after impacted with firearms in multiple locations. It complies with the FINABEL 1, FINABEL 20 A 5 ON-ROAD, and FINABEL 20 A 5 OFF-ROAD standards.



FINABEL 20 A 5 (ON ROAD)

Distance	Speed
3km	Max
22km	50 km/h
75km	25 km/h

FINABEL 20 A 5 (ON ROAD)

Distance	Speed
50km	25 km/h

They also have ballistic certification that guarantees that their structure and functionality are not compromised after receiving impacts from firearms up to 30.06 caliber

Standard	Level	Weapon / Ammo
NOM-142-SCFI	D	Shutgun / Rifle 30-06 AP 10.8g 166 gr. 868 m/s
CEN 1063	BR-7	
NIJ 0188.01	IV	
UL 752	LEVEL 9	

STD RUNFLAT SYSTEM

Mobility device manufactured with a special ballistic co-polymer, to be installed inside the tire, on the rim, that allows the mobility and control of the vehicle after losing air pressure.

Designed according to the particular specifications of each rim, tire and characteristics of the vehicle, as well as its level of protection.

Mainly used in:

- VIP armoured cars and SUVs.
- Cash in transit vehicles.
- Law enforcement and security vehicles.
- Emergency vehicles.

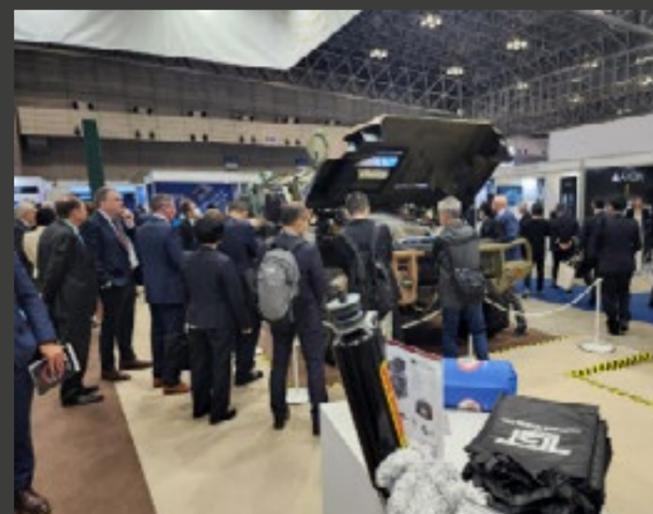


Distance	Speed
3km	Max
22km	50 km/h
75km	25 km/h

Our Runflats are designed and manufactured under the highest quality standards and comply with the international regulations required by the main markets in the world, fulfilling with the requirements stated on the FINABEL agreement.

They also have ballistic certification that guarantees that their structure and functionality are not compromised after receiving impacts from firearms up to 30.06 caliber.

Standard	Level	Weapon / Ammo
NOM-142-SCFI	D	Shutgun / Rifle 30-06 AP 10.8g 166 gr. 868 m/s
CEN 1063	BR-7	
NIJ 0188.01	IV	
UL 752	LEVEL 9	



EXHIBITIONS & SHOWS

TGT regularly participates in major global defence and industry exhibitions, showcasing Australian innovation and strengthening international partnerships.

Each exhibition is carefully selected to align with our strategic markets and partnership goals, ensuring maximum value and visibility for our brand and partners.



LOGISTICS

INTERNATIONAL SUPPLY CHAIN LOGISTICS MANAGEMENT

Tough Gear Trading provides comprehensive, cost effective import and export logistics solutions, delivering end-to-end freight management supported by modern information systems and proven global networks.

We understand the evolving demands of international supply chains and work closely with our suppliers, partners, and customers to ensure efficient, compliant, and reliable movement of goods worldwide.

Our logistics capabilities include:

- Preparation and management of all required export and commercial documentation
- Procurement of eligible Certificates of Origin through relevant Australian Government authorities
- Warehousing, consolidation, and coordination of multiple orders from suppliers to optimise freight efficiency and reduce costs
- Management of air freight and sea freight solutions, including LCL and FCL shipments, through trusted international carrier partners
- Full compliance with applicable Australian and international government regulations and trade requirements

Tough Gear Trading delivers logistics solutions you can rely on—efficient, compliant, and tailored to the needs of global operations.



TESTIMONIALS

“ I write to advise of a business partnership between Tough Gear Trading (TGT) and our business. This supply partnership is an agreement based on working exclusively together to develop our business, and theirs in our market. This is and will be achieved through TGT providing us the support and products to market and sell in our territory. TGT products are multi branded and sourced from different key reputable and global suppliers. The result of this partnership is based on an entrusted mutual desire to grow business into our market. We find TGT offer strong business experience, customer service and market presence. We also believe they offer quality and well-priced products, flexible order quantities, short product lead times and a streamlined organisational structure. We recommend TGT products and their services and believe business can be very fruitful for other businesses as ours is and will be. We look forward to an ongoing and successful partnership between TGT and our business well into the future...”

- TOYOTA

“ Since 2015, Tough Dog Suspension has been collaborating with Tough Gear Trading. The partnership originated when TGT’s founder, Gary Turner, began working with John Agostino, the founder of Tough Dog. This friendship dates back some 15 years, highlighting the strong bond between the two companies. Gary Turner and his partners, including Hennie Fourie, boast extensive military backgrounds, bringing a wealth of knowledge, experience, and connections in the armoured vehicles and security sectors. With Hennie’s experience in working with companies that construct armoured vehicles, he understands what it takes to produce a reliable product using top-quality and dependable brands. Tough Dog acknowledges the expertise that TGT contributes to their export markets, especially in the military and armoured vehicle segments. Furthermore, both Gary and Hennie have over 28 years of experience in the 4x4 industry, making them well-versed in international markets. With a common vision for the future, both companies have capitalized on their collective experience and expertise to establish thriving partnerships on multiple projects. Our excitement for the future is amplified as we anticipate the continued expansion of our international presence, hand in hand with TGT...”

- TOUGH DOG

“ Our company, similarly as many others out there, is constantly searching for excellent products and services available on the market. TGT seems to suit our applications perfectly, being adopted to the ever changing market requirements, especially of that within our market. This has been conducted in many successfully completed projects. Along with the standard products, delivery which is being handles rather in a very Professional and effective manner. TGT is a very flexible company in providing the bespoke products and tailored solutions to us. As such we have already opened up and completed a few interesting projects where our design inputs were accepted seamlessly, and new, altered products were introduced to our customers at a very reasonable price. Needless to mention our own production cost savings, due to our bespoke alterations. This is all possible due to TGT long term market presence, number of successfully accomplished projects, engineering excellence, streamlined company organizational structure and a very effective business model in place. I can only recommend to inquiry the TGT products and services. I am convinced that such projects will be very fruitful for both parties. ”

- MILITARY CUSTOMER

“ Partnering with Tough Gear Trading has been a game-changer for Airbag Man in the international market. Their expertise in providing solutions in commercial and military automotive applications compliments our vast array of air suspension products, creating a dynamic synergy that addresses diverse customer needs. From the outset, Airbag Man’s commitment to quality and innovation has aligned seamlessly with Tough Gear Trading’s ethos of reliability and durability. Together, we’ve been able to penetrate new markets and expand our reach, offering comprehensive solutions that enhance safety, performance, and comfort for our customers worldwide. The collaboration between Airbag Man and Tough Gear Trading goes beyond mere product integration; it’s a true partnership built on trust, mutual respect, and a shared vision for excellence. With their exceptional support and resources, we’ve navigated complex international landscapes with ease, establishing a formidable presence and earning the trust of clients and distributors alike. As we continue to grow and evolve, we look forward to further strengthening our alliance and setting new benchmarks in the global market. ”

- AIRBAG MAN

 <https://au.linkedin.com/company/tough-gear-trading>

 WWW.FACEBOOK.COM/TOUGHGEARTRADING

 @TOUGHGEARTRADING

TGT

TOUGH GEAR™

WWW.TOUGHGEARTRADINGMILITARY.COM

