

TKV

WE'LL KEEP YOU MOVING


AUSTRALIA'S CONSTRUCTION TRACK SPECIALISTS

We keep your machines moving by offering the widest range of high-quality tracks and undercarriage parts Australia wide.



www.tkv.com.au

1300 65 11 43



WHY CHOOSE TKV?

FASTEST

TKV has the largest stocks in Australia. We usually have what you want, in your state, ready to go.

EXPERTS

Our team know & love tracks, undercarriage, machines and first class service.

AVAILABILITY

TKV carries the largest stocks in Australia of excavator and agricultural tracks and parts to make sure we have what you need.

QUALITY

Our products last much longer than cheaper alternatives, and we're prepared to back it with extra cover, so you get a fair go...

DID YOU KNOW?

TKV has over 3,500 tracks in stock at any time and over 40,000 individual pieces of undercarriage parts. Tracks and undercarriage is what we do – **TKV WILL KEEP YOU MOVING!!**

TOTAL PEACE OF MIND



MANUFACTURER'S WARRANTY

UP TO 24 MONTHS

You still have the manufacturer's warranty that everyone else offers up to 24 months for manufacturing faults.



MONEY BACK

30 DAY GUARANTEE

If for any reason you are not totally satisfied with your TKV supplied product, simply return it to a TKV warehouse within 30 Days of Invoice date for a full refund.



FAIR GO

BREAKAGE COVER*

If your TKV excavator or track-loader part becomes unusable for any reason (even due to accidental damage) within the timeframe below – call or email us and send us pics and we will supply a replacement product discounted based on how old your track is (See below). From time to time some product variation may occur due to supply situation – applies to retail sales only.

*Excavators – 12 months from date of invoice

*Track loaders – 9 months from date of invoice

NO IFS, OR BUTS

If you don't get your **FAIR GO**, you will receive them as a pro-rated credit off your purchase of replacement product from TKV.

(***FAIR GO** applies within the Manufacturer's Warranty period. The Manufacturer's warranty only covers manufacturing faults. We cover more instances where your product becomes unusable (excludes cuts & scratches). (Excavators – 12 months from date of purchase | Track loaders – 9 months from date of purchase))

WE'LL KEEP YOU MOVING!

1300 65 11 43

TUFFTRAC
RUBBER TRACK

EXCAVATOR RUBBER TRACKS



Here at TKV we have been supplying rubber tracks to owners and operators of fleets of construction machinery since 2004.

You can be sure that TKV has taken no shortcuts in the production of the TUFFTRAC rubber tracks. Only 100% virgin rubber has been used in the compound (no recycled or crumbed rubber) and the cables are high tensile, copper coated and jointless for maximum strength.



THE TUFFTRAC ADVANTAGE

FAST DELIVERY: Multiple stock locations
PEACE-OF-MIND: Expertise from years of hands on experience
FULL SERVICE: From supply only to on-site supply and fit we can help
AVAILABILITY: Largest rubber track stock holdings in Australia – more than 280 individual sizes in stock at any time.

LASTS LONGER

The TUFFTRAC rubber compound is simply superior. The high tech natural rubber compound is more dense and more flexible than commonly cheaper synthetic and recycled alternatives, increasing wear life.

TUFFTRAC rubber tracks are backed up with a genuine, no nonsense "FAIR GO Breakage Cover" providing guaranteed wear life. TUFFTRAC - the Aussie contractor's choice.

STRONGER

No joints and no weak spots. Heavy duty, high tensile continuously wound steel cables, for maximum strength and minimum downtime.

SAFER

TUFFTRAC tread patterns are designed to maximise traction while minimizing operating surface damage and vibration without compromising on durability.

SMOOTHER RUNNINGS

Closely spaced short pitch core bars-coupled with offset vibration reducing track patterns, reduce wear and tear on you and your machine.



TRACK LOADER RUBBER TRACKS

There is no machine tougher on rubber tracks than the CTL track loader. Capable of maneuvering at high speed through the roughest of terrain, these machines, unlike excavators, spend most of their time tracking.

Here at TKV we have spent a lot of time researching the best performing materials and construction methods to ensure we have the Tuffest CTL tracks. From multi-layer rubber construction to heavy duty cables. Tufftrac CTL tracks are built to perform on Aussie worksites.



MTL TRACKS

CTL TRACKS



TUFFTRAC MULTI TERRAIN LOADER TRACKS (MTL)

The MTL machine uses advanced core fibrous belting with molded rubber drive lugs, this requires high-quality materials and workmanship for manufacturing. TUFFTRAC exceeds these requirements, offering traction, flotation, and durability without excessive aggression on surfaces.

TUFFTRAC MTL BENEFITS:

- **Stronger:** Optimised multiple fabric ply belting to provide maximum strength
- **Last longer:** Heavy duty increased carcass thickness designed to minimise puncture damage.
- **Less down-time:** Optimised drive lug geometry with shear resistant compounds to increase drive lug strength.
- **Work lighter:** Close tread pattern to help protect carcass and increase traction whilst minimising damage to the operating surface.

MTL PATTERN



MTL DRIVE LUGS



COMPACT TRACK LOADER RUBBER TRACKS (CTL)

The CTL track loader utilises a combination of a conventional style steel core and sprocket driven rubber track with a wide surface area track roller. These machines while less smooth running than the MTL track system tend to be more impact resistant and better suited to the heavy duty and abrasive conditions often experienced on Aussie worksites.

TUFFTRAC CTL BENEFITS:

Due to the close bar tread patterns, these superior quality tracks will;

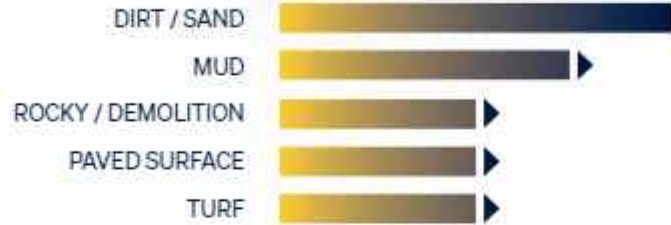
- **Decrease vibration**
- **Increase traction & flotation**
- **Reduce operating surface damage**
- **Last longer:** more protection to the vital track carcass helping to avoid the potentially destructive damage caused by sharp objects/stakes

CTL DRIVE LUGS

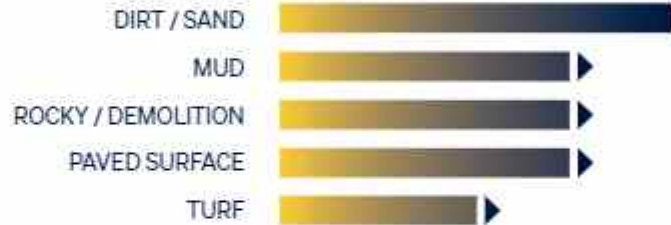


TREAD PATTERN GUIDE

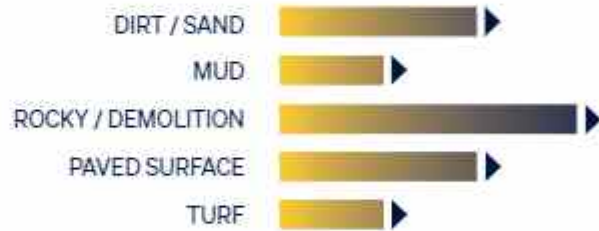
C PATTERN



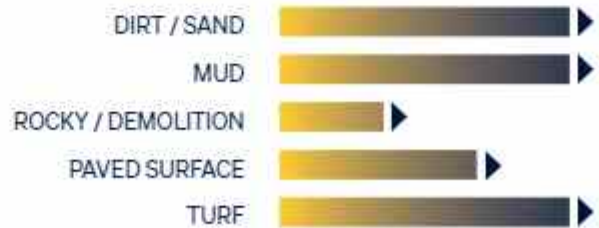
S WAVE PATTERN



BLOCK PATTERN



ZIG ZAG PATTERN



COMPACT TRACK LOADER HD RUBBER TRACKS (CTL)

TUFFTRAC HD rubber tracks are developed specifically for track loaders doing extra heavy-duty work. These tracks are designed to handle the workload and abuse of the most powerful track loaders, and for the operator who wants true OE quality.

- With 20% MORE RUBBER
- Longer life
- More heavy duty
- Operators have found the TuffTrac rubber compound formula significantly extends track service lifespan.
- The TuffTrac unique continuous (jointless) belt system radically increases the tensile strength of the internal structure.
- HD Series has multiple lugs per pitch profile.
- Designed to carry the full load of the machine at maximum engine capacity



TUFFTRACHD

RUBBER TRACK

WITH
20%
MORE
RUBBER

STRONGEST

Multiple lugs per pitch profile together with double offset tread pattern minimize vibration and help deliver a smoother ride. Innovative tread pattern protects the track body and effectively stops the growth of cuts and cracks

TOUGHEST

A series of narrowly spaced lug-bars that contain the growth of any accidental cut or crack, by preventing the spread of the surface damage it contributes noticeably for a longer service life.

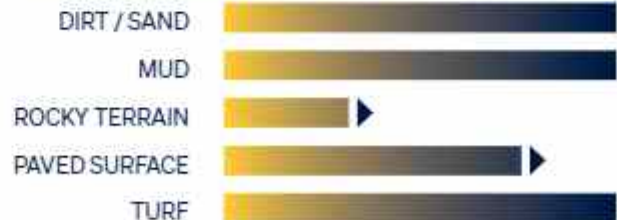
LASTS LONGEST

A single jointless onoverlapping continuous steel belt. This technology consists of one single continuous steel cable with no joint connection and thus with no weak point prone to track brake. Specifically developed for track loaders, technology provides the industry's strongest track structure.

SMOOTHEST

A high performance series of rubber tracks for the most demanding users of compact track loaders. This OEM specification rubber track is our recommendation for all customers looking for high quality replacement rubber track and increased overall productivity.

ZIG ZAG PATTERN



RUBBER COMPOUND FORMULA

extends track service lifespan by as much as 50%.

PROPRIETARY JOINTLESS BELT SYSTEM

radically increases the tensile strength.

MULTIPLE LUGS PER PITCH PROFILE

super smooth running and less damage to operating surface.



DUMPER/CARRIER TRACKS

The high tech Tufftrac dumper track is specifically engineered for the high speed, low ground pressure applications accross Australia. From snow in the high country to sandy desert in central Aus, Tufftrac dumper tracks are designed to handle it all.

The high natural rubber (75%) content rubber compound ensures these tracks have the flexibility yet density and cut resistance required to withstand whatever is thrown at them. With track widths available from 150mm all the way up to 900mm, there is a Tufftrac dumper track to suit your machine.





OVER-TYRE TRACKS

TKV's range of Razorback Over Tyre Tracks are the most advanced in the world and can be fitted to most makes and models of skidsteer running 10" or 12" tyres.

With a high strength metal core for strength and fully rubber encapsulated to eliminate damaging paved surfaces, these innovative tracks provide unmatched flotation, traction and tyre protection. With a set of Razorback OTT you will be surprised where your machine will go and what it can do!

PERFORMANCE

Provides extra traction and flotation on difficult terrains, such as mud, clay, loose rock, sand, snow, ice, turf and asphalt. The extra weight of the tracks increases machine stability on side slopes and hilly terrains.

SUPER STRONG

High strength forged metal core with full width welded hinge. These tracks are made to last.

REBUILDABLE

The patented segmented design allows any damaged section to be simply and inexpensively replaced - this can even be done on-site.





EXCAVATOR RUBBER PADS

TKV has 3 main styles of pads available in stock to suit most makes and models of excavator from 2 to 35 tonnes.

TUFFPAD rubber pads are available for purchase in single units or as full sets, so replacing damaged rubber pads is inexpensive if damage occurs. Our rubber pads are produced in Malaysia using virgin Malaysian rubber with best in class abrasion-resistance, anti-chunking properties, durability and wear resistance.

Custom pads are also available to suit specific applications including dozers or cranes. Custom materials are also available including FRAS material for underground applications or polyurethane for extreme wear applications.



TUFFPAD

RUBBER PAD

BOLT-ON RUBBER PADS

The most popular style. These pads bolt to existing steel grouser plates that have been pre-drilled.



CLIP-ON RUBBER PADS

Clip on pads are used when you don't have pre-drilled grouser plates or for easy fitment. Clip on pads simply clip over the end of the plate and are tightened on with bolts.



CHAIN-ON RUBBER PADS

These pads are bolted directly on to the track chain with track bolts, instead of using the grouser plates. These pads are best used in full-time on-road applications.



HIGH DURABILITY

Manufactured in Malaysia from premium rubber that provides superior durability in all conditions.

EASY INSTALLATION

With up to 4 bolts per pad, it takes little time to re-fit them to your track.

LOW NOISE AND VIBRATION

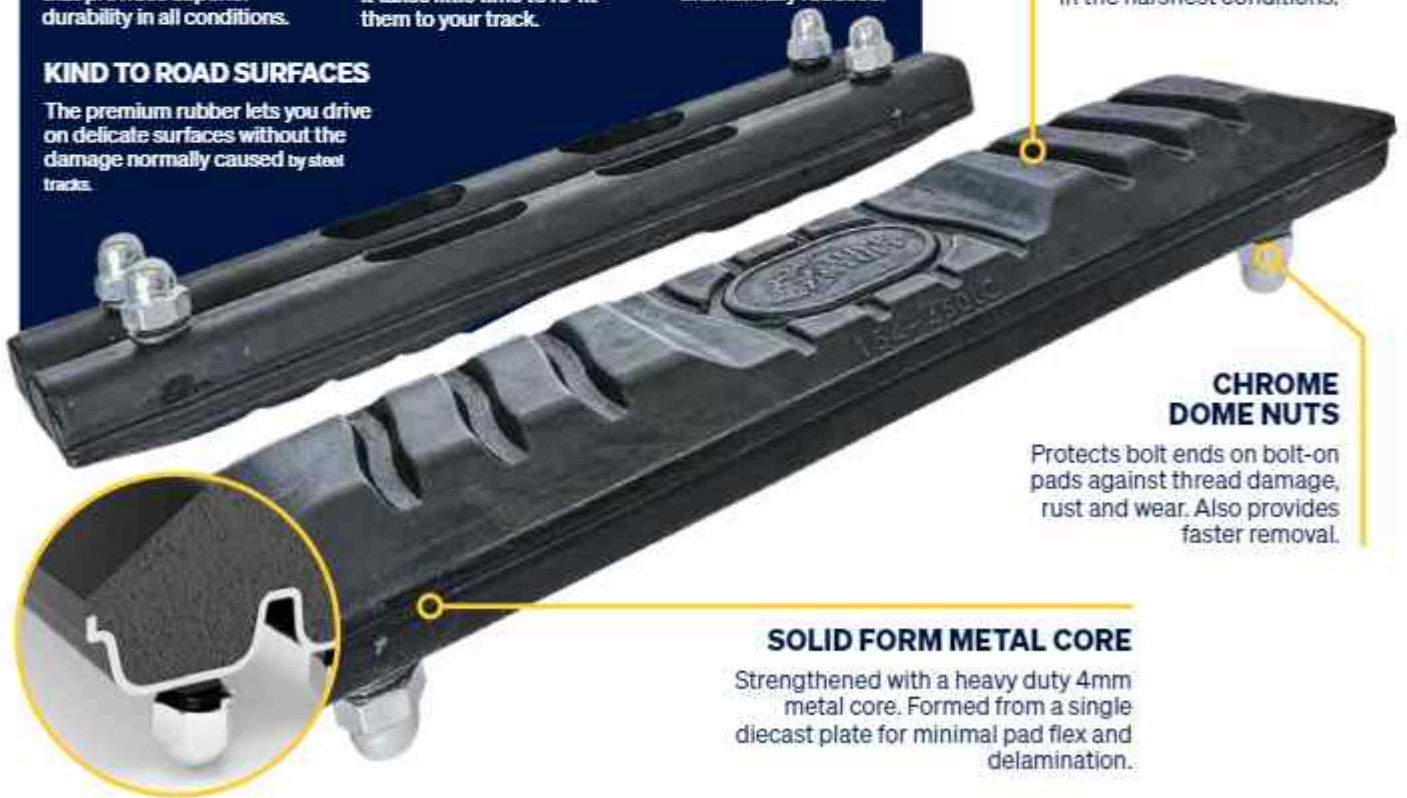
Vibration and noise are dramatically reduced.

SUPERIOR 85% LATEX RUBBER COMPOUND

Optimal resistance to sharp objects with reduced wear even in the harshest conditions.

KIND TO ROAD SURFACES

The premium rubber lets you drive on delicate surfaces without the damage normally caused by steel tracks.



CHROME DOME NUTS

Protects bolt ends on bolt-on pads against thread damage, rust and wear. Also provides faster removal.

SOLID FORM METAL CORE

Strengthened with a heavy duty 4mm metal core. Formed from a single diecast plate for minimal pad flex and delamination.

TUFFPAD HD

RUBBER PAD

EXCAVATOR HD RUBBER PADS

The TUFFPAD HD is the superior option for your excavator. They are highly durable and can endure harsh conditions, ensuring longevity. With various sizes available, the TUFFPAD HD are compatible with most excavators. If you require your excavator to operate in demanding terrains, choose HD rubber pads for improved performance and extended lifespan.

- With 17% MORE RUBBER
- Longer life
- More heavy duty
- The TuffTrac rubber compound formula dramatically extends pad service lifespan.



TUFFPAD HD

RUBBER PAD

✓ LOW NOISE AND VIBRATION

Vibration and noise are dramatically reduced.

✓ HIGH DURABILITY

Manufactured in Malaysia from premium rubber that provides superior durability in all conditions.

✓ EASY INSTALLATION

With up to 4 bolts per pad, it takes little time to re-fit them to your track.

✓ PROTECTS PAVED SURFACES

The premium rubber lets you drive on delicate surfaces without the damage normally caused by steel tracks.

SUPERIOR 85% LATEX RUBBER COMPOUND

Optimal resistance to sharp objects with reduced wear even in the harshest conditions.



CHROME DOME NUTS

Protects bolt ends on bolt-on pads against thread damage, rust and wear. Also provides faster removal.

SOLID FORM METAL CORE

Strengthened with a heavy duty 4mm metal core. Formed from a single diecast plate for minimal pad flex and delamination.

RUBBER HARDNESS

TKV	IRD 80
CHINA COMPETITOR	7 5 ▶
JAPAN COMPETITOR	6 8 ▶

TENSILE STRENGTH

TKV	kgf/mm	215l
CHINA COMPETITOR	1.4	3 ▶
JAPAN COMPETITOR	1.8	4 ▶

BONDING STRENGTH

TKV	ibf/in	161.28
CHINA COMPETITOR	101.45 ▶	
JAPAN COMPETITOR	143.5 ▶	



UNDERCARRIAGE

The TKV Excavator undercarriage series covers, a comprehensive range of components to fit almost every make and model of excavator from 1 – 14 tonnes.

Here at TKV we take pride in the quality of our product, that's why we guarantee you the best value for money and maximum wear-life. All TKV chains are made of deep hardened boron steel, and are greased and sealed with double lip polyurethane seals to ensure quiet operation and resist the penetration of debris. This is combined with leading edge heat treatment techniques to offer you the ultimate wear resistance in the worst operating conditions. When only the toughest will do..... Choose TKV undercarriage for your excavator.

UNDERCARRIAGE SERIES BENEFITS

FASTER

Huge stock holdings at multiple convenient locations ready for immediate despatch - we'll keep you moving.

EASIER

Discuss your requirements with our experienced technical staff; we partner with you to get you up and working quick and easy.

BETTER

TKV do not supply the cheap alternatives commonly marketed these days. TKV undercarriage is sourced from reputable leading manufacturers regulated by specification rather than copies.



TRACK CHAINS

All TKV track chains are made of deep hardened boron steel, and are greased and sealed with double lip polyurethane seals to ensure quiet operation and resist the penetration of debris. This is combined with leading edge heat treatment techniques to offer you the ultimate wear resistance in the worst operating conditions.



TRACK GROUPS

Here at TKV you can have your tracks fully assembled as rolled and ready to fit track groups in our fully equipped workshop.

TRACK SHOES

TKV track shoes are available in single, double and triple bar styles in a wide range of widths as well as Apex Swamp shoes to suit every application you have.





TRACK ADJUSTERS

TKV stocks a comprehensive range of track adjusters / recoil spring assemblies for many of the popular excavator models on the market.

Proper track tension is essential for track longevity. Track adjusters absorb shock and maintain appropriate tension to protect idlers and track systems. We stock a wide range of track adjuster assemblies for popular excavator models. Our TUFFPART assemblies meet high-quality standards and undergo thorough inspection to ensure proper fit and performance. They are designed and tested to match OEM specifications. We provide track adjusters for various manufacturers, including Case, CAT, Daewoo, Doosan, Hitachi, Hyundai, JCB, Kobelco, Komatsu, Kubota, Neuson, New Holland, Takeuchi, Volvo, and more.



FINAL DRIVES

Travel Motors, also known as final drives, are used to convert the hydraulic flow and pressure into rotational drive.

A travel motor consists of a hydraulic motor driving a planetary gearbox which typically has the drive sprocket mounted to it. Due to the complexity of a travel motor or final drive, an internal breakage will mostly result in your machine becoming stationary. TKV has a wide range of travel motors in stock at all times to suit most makes and models of tracked loaders and excavators from 1 – 25 tonnes. All TKV travel motors are supplied as an assembled and tested unit including both the gearbox and the hydraulic motor (often sold separately by OEM's).



SPROCKET

TKV sprockets and sprocket segments have been 3D CAD designed and deep induction hardened to achieve extended operating life – TKV sprockets will keep you moving.



ROLLERS

TKV top and bottom rollers offer the maximum in trouble free wear-life. Manufactured using state of the art friction welding, hardened to over 3mm in depth and assembled using heavy duty DUO-Cone seals – you can depend on TKV to keep you rolling.

IDLERS

TKV idlers are built for the roughest conditions – cast from manganese steel alloy, heat treated to 48- 56RC hardness and air pressure tested in water for guaranteed sealing.



HD SUPERSEAL TRACK CHAIN

The TKV Excavator undercarriage series covers, a comprehensive range of components to fit almost every make and model of excavator from 10 – 14 tonnes.

Here at TKV we take pride in the quality of our product, that's why we guarantee you the best value for money and maximum wear-life. All TKV chains are made of deep hardened boron steel, and are greased and sealed with double lip polyurethane seals to ensure quiet operation and resist the penetration of debris. This is combined with leading edge heat treatment techniques to offer you the ultimate wear resistance in the worst operating conditions. When only the toughest will do..... Choose TKV undercarriage for your excavator.

UNDERCARRIAGE SERIES BENEFITS

FASTER

Huge stock holdings at multiple convenient locations ready for immediate despatch - we'll keep you moving.

EASIER

Discuss your requirements with our experienced technical staff; we partner with you to get you up and working quick and easy.

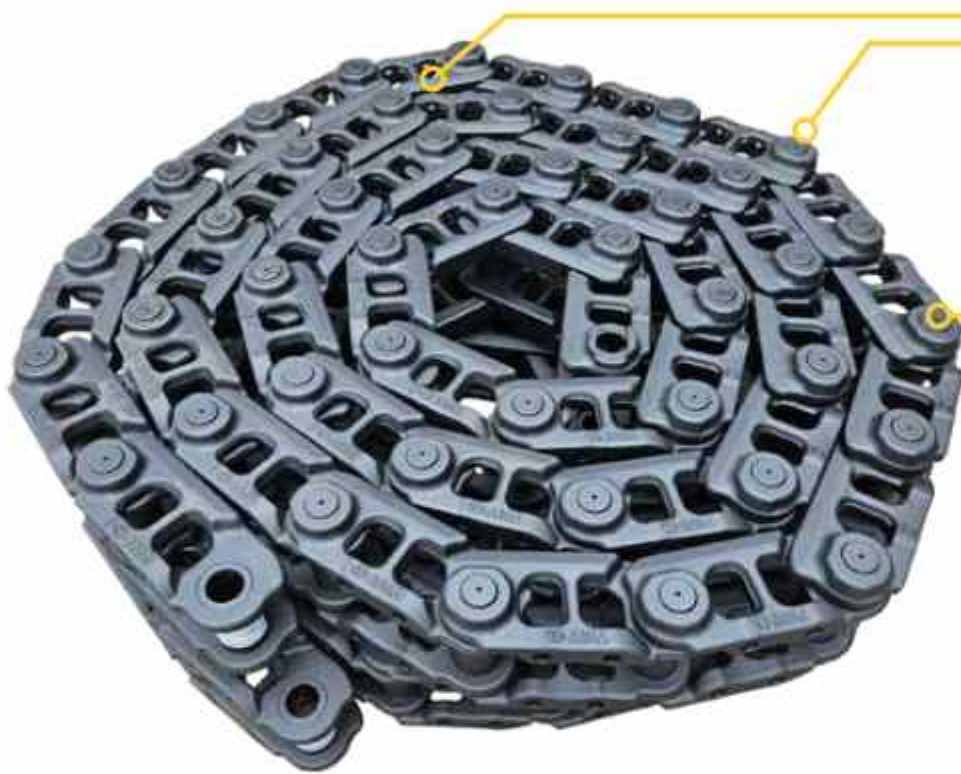
BETTER

TKV do not supply the cheap alternatives commonly marketed these days. TKV undercarriage is sourced from reputable leading manufacturers regulated by specification rather than copies.



TUFFPART HD

TRACK CHAIN



Higher Rail Height and Larger Bush Diameter provides extra wear material offering up to a 30% longer lifespan.

Tuff Superseal® Patented Seals ensure zero seizing while effectively reducing noise levels by 50%. Every pin cavity is filled with grease using a vacuum, providing 100% grease capacity, which prevents internal wear to the bush.

TRY THIS FOR AN IMPRESSIVE LIST OF BENEFITS:

- **50% longer lubrication in the joints** – quieter and less internal wear
- **25% longer chain life** – better value and reduced running costs
- **50% quieter throughout the life of the chain** – less complaints
- **5% less load on the drive motors** – reduce fuel and drive component wear

IDENTIFICATION & MEASUREMENTS

Company:

Contact:

Phone:

Email Address:

Machine Make:

Machine Model:

Serial #:

Parts Required:

TRACK CHAIN:

No. Links: A: B: C: D: E: F: G: H:

Bottom Roller Type: 1 2 3 4 5

Dimension: A: B: C: D: E:

Top Roller Type: 1 2 3

Dimension: A: B: C: D: E:

Idler Dimension: A: B: C: D: E: F: G: H:

SPROCKET:

Outer Dia A:

Inner Dia B:

Pitch C:

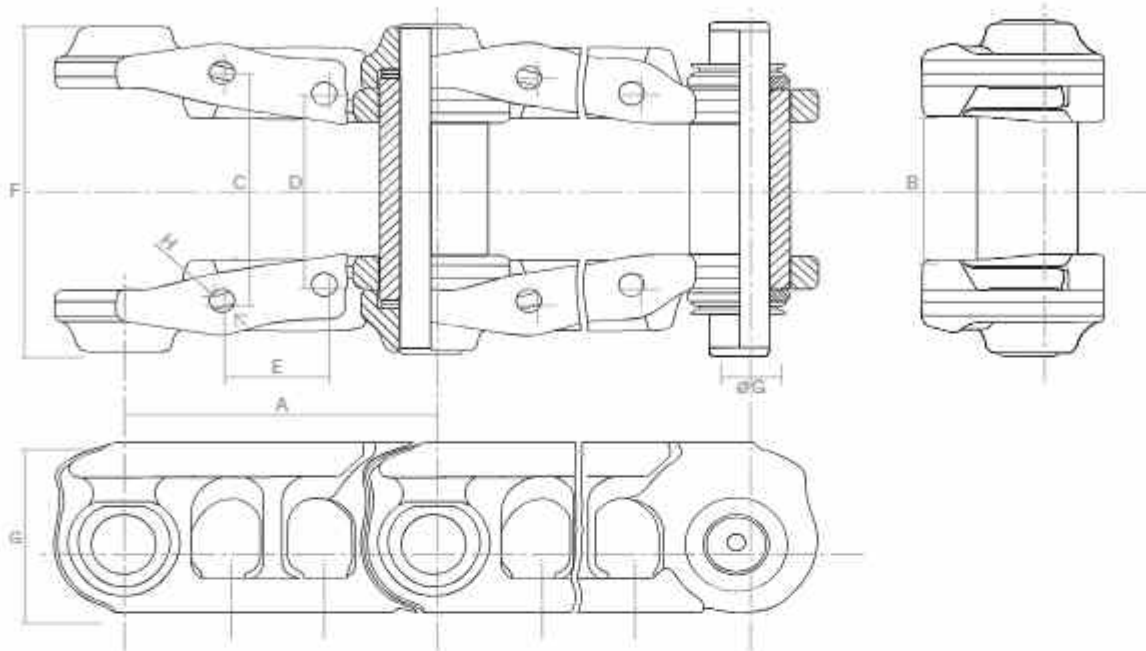
No. Teeth D:

No Bolt Holes E:

Fax to 03 8786 3492 or email to contact@tuffstuffaustralia.com

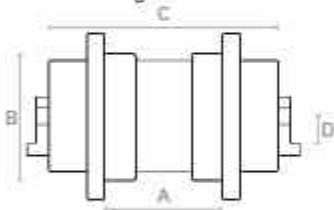
IDENTIFICATION & MEASUREMENTS

CHAIN MEASUREMENTS

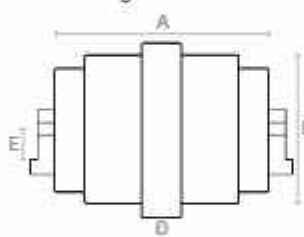


UNDERCARRIAGE MEASUREMENTS

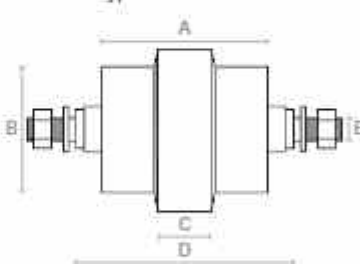
1. Outer Flange Bottom Roller



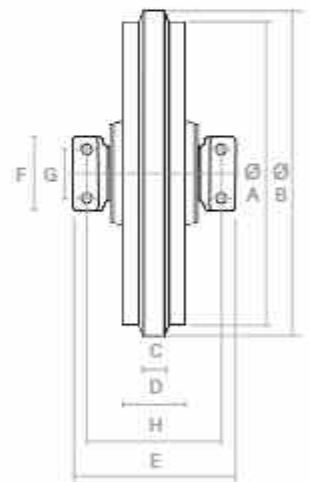
2. Inner Flange Bottom Roller



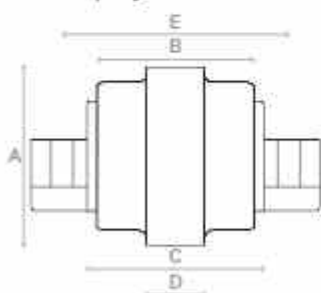
3. Bolt Type Bottom Roller



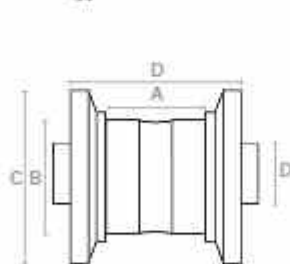
Idler Dimension



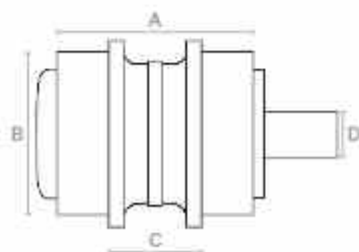
4. Bolt-Up Style Bottom Roller



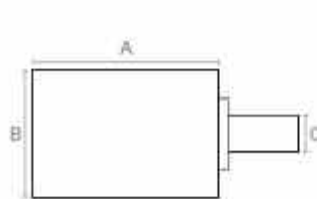
5. K Type Bottom Roller



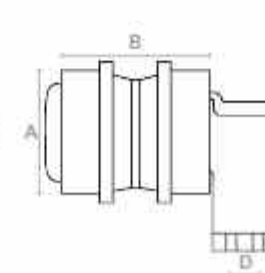
1. Inner Flange Style Top Roller



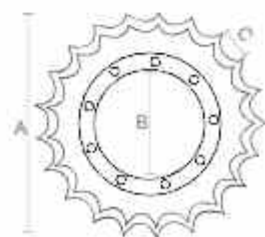
2. Barrel Style Top Roller



3. Bolt-down style Top Roller



Sprocket Dimension



D: Number of Teeth

IDENTIFICATION & MEASUREMENTS

BOLT TORQUE SETTINGS

For Track Bolts, Sprocket Bolts,
Segment Bolts and Spilt Master Bolts

Imperial	STANDARD METHOD		ALTERNATIVE METHOD	
	Foot Pounds of Torque		Initial Bolt Torque and Additional Turn	
Bolt Size	Min Torque	Max Torque	FT/LBS	Turn Degree
1/2" - 20 UNF	133	147	48	120°
9/16" - 16 UNF	190	210	70	120°
5/8" - 18 UNF	270	300	140	120°
3/4" - 16 UNF	475	525	250	120°
7/8" - 14 UNF	760	840	270	120°
1" - 14 UNF	1160	1280	410	120°
1 1/8" - 12 UNF	1680	1860	600	120°

Metric	Foot Pounds of Torque		Initial Bolt Torque and Additional Turn	
	Min Torque	Max Torque	FT/LBS	Turn Degree
M12 - 1.5	118	132	40	120°
M14 - 1.5	180	200	65	120°
M16 - 1.5	275	305	140	120°
M18 - 1.5	400	440	200	120°
M20 - 1.5	600	660	280	120°
M22 - 1.5	790	875	325	120°
M24 - 1.5	990	1090	340	120°
M27 - 1.5	1435	1585	490	120°

NOTES:

- Bolt torque vales shown are for Tuffpart Hardware and with as delivered lube conditions
- Always remove paint or debris from rails, links and track shoe before mounting
- Clean all grease and foreign material from bolt-holes in chain prior to fitting
- Install self-interlocking track nuts with rounded corners against the link
- Tighten ALL bolts to 70% of torque rating before applying the total torque value
- Use anti-seize compound on all bolt-threads

IDENTIFICATION & MEASUREMENTS

TRACK IDENTIFICATION

Name:

Phone:

Machine Make:

Machine Serial #:

Track Width:

No. of links:

Guide Measurements:

Guide Type:

Company:

Email:

Machine Model:

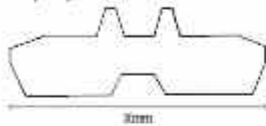
Machine currently running rubber tracks: Y / N

Track Pitch:

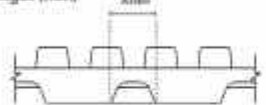
Roller Type:

1	2	3	4	
A	B	C	D	E

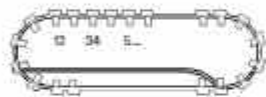
Track Width (mm)



Pitch Length (mm)



Number of Links



Guide Measurement

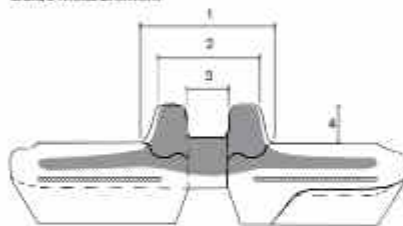


Fig A - Outer Rail Type

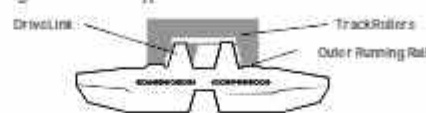


Fig B - Inner Flange Type

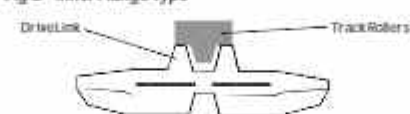


Fig C - Outer Flange Type



Fig D - Conventional Type 1

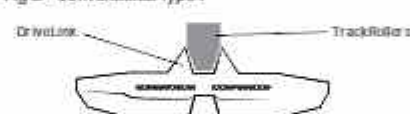
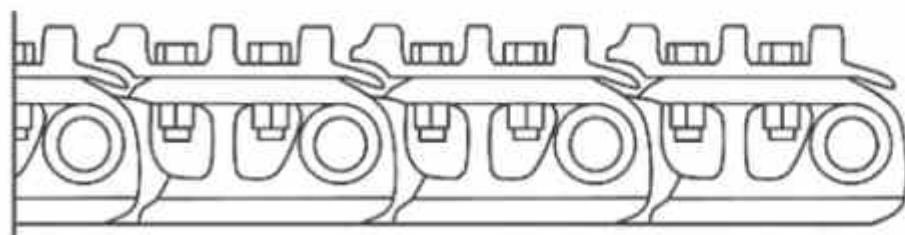


Fig E - Conventional Type 2



EXCAVATOR TRACK FITMENT DIRECTION



Measure gap between top of track rail and track roller in centre of machine dimensions provided are based on machines fitted with carrier rollers.

Excavators - 8 to 30 tonnes	50mm ± 10mm
Excavators - 35 to 65 tonnes	70mm ± 10mm
D4 Size Dozers	35mm ± 10mm
D5 - D6 Size Dozers	55mm ± 10mm
D7 - D8 Size Dozers	65mm ± 10mm
D10 - D11 Size Dozers	75mm ± 10mm

(ABOVE ARE A GUIDE ONLY - ALWAYS DEFER TO MANUFACTURERS SPECIFICATIONS)

TKV

WE'LL KEEP YOU MOVING

HEAD OFFICE

1300 65 11 43

SERVICE CENTRES

MELBOURNE

(03) 9709 2333

25-27 Apollo Dr, Hallam VIC 3803

SYDNEY

(02) 8630 8040

41 Edward St, Riverstone NSW 2765

BRISBANE

(07) 3444 1095

17 Machinery St, Darra QLD 4076

ADELAIDE

(08) 8166 3900

8-10 Gumbowie Ave, Edwardstown SA 5039

TOOWOOMBA

(07) 4613 6000

14 Spalding St, Harristown QLD 4350

PERTH

(08) 6285 7000

21 Tacoma Cct, Canning Vale WA 6155

WHETHER YOUR MACHINE IS
RIDING STEEL OR RUBBER TRACKS,
**TKV GROUP HAS YOU
COVERED.**