



# TCK KITS

## CATALOGUE

Current as of June 2022





TCK Australia long held the view that not all that came from Europe was necessarily the best for the tough Australian, New Zealand and other potential world markets. Following an extensive development period and committing to use only Australian manufactured steel and local heat treating techniques developed in the mining industry, a compromise was made where hardness and toughness met at a precise point. This combined with laboratory testing ensured that the product met and exceeded standards and associated regulations for world markets. The result of this was that the product had a durability factor of up to twice that of an OEM product.

The TCK coupling pins are designed, developed and manufactured in Australia, and are tested and certified compliant under a range of Australian standards. The performance and functionality requirements say that automatic pin couplings must comply with Australian standards 2213-4- 1998 50mm pin type couplings and drawbar rings for trailers or ISO 8755 to meet ADR 62 standard. TCK coupling pins meet both these standards and are also compliant with ECE 55-01, the appropriate United Nations Regulation. These standards are accepted in New Zealand law.

## TCK KITS

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## RAISING THE BAR

BY ENGAGING DIRECTLY WITH THE ROAD TRANSPORT INDUSTRY, AFTERMARKET PARTS MANUFACTURER, **TCK AUSTRALIA**, HAS DEVELOPED A DURABLE, RELIABLE LIFTING HANDLE FOR RAISING COUPLING PINS, SAFELY AND EFFICIENTLY.

**TCK - “THE BEST IN THE BUSINESS”**

As a prominent designer and producer of tow couplings and repair kits for over two decades, TCK Australia continues to improve its product offering - in line with feedback from fleet operators throughout Australia and New Zealand.

According to the Queensland Government, safe coupling and de-coupling of trailers can be unsuccessful and result from poor maintenance, mechanical failure, operator error and can result in a dropped trailer either on-site or on a public road.

To allay occupational health & safety (OH&S) concerns associated with manually uncoupling trucks and semi-trailers, TCK Australia confirms that their team has perfected a lifting handle that allows for the quick release of common couplings.

“The simple, but functional, lifting handle eliminates two particular OH&S issues for vehicle operators.

“The alternate handle improves the clearance between the handle and coupling mouth - reducing the occurrence of

jammed fingers and hands between the two items,” he says. “The improved design also allows for an even ‘pull’ at right angles to the lifting finger shaft seated inside the tow coupling, eliminating the awkward action necessary when using the original handle, which over time generated premature failure of the splined finger lifting shaft, and contributed to unnecessary repetitive strain injuries.” TCK Australia’s latest lifting handle is manufactured from high tensile AS4140 steel with high quality black steel splined boss welded to it.

The handle, part number TCK1018, complete with new flange type lock nut, is available through all outlets that stock TCK Australian manufactured rebuild kits and parts to suit common couplings.

“TCK Australia prides itself on being a company that spends time talking to the end-user,” Graeme says. “Where possible, we implement engineering changes to the equipment that we deliver to improve service life and safety.”

Tow coupling and repair kit specialist, TCK Australia, also develops and manufactures coupling pins, which are tested and certified compliant under a range of Australian standards.

“The performance and functionality requirements say that automatic pin couplings must comply with Australian Standards 2213.4-1998 50mm pin type couplings and drawbar rings for trailers or ISO 8755 to meet ADR 62 standard”

“TCK coupling pins meet both those standards and are also compliant with ECE 55-01, the appropriate United Nations Regulation.”

## TCK REPAIR KITS

# OEM TO TCK KIT REFERENCE CHART

Which TCK Rebuild Kit Suits Your Tow Coupling?

<b>TCK1011</b> 50MM PIN SIZE	<b>TCK1031</b> 50MM PIN SIZE	<b>TCK1064</b> 50MM PIN SIZE	<b>TCK1075</b> 40MM PIN SIZE	<b>TCK1083</b> 40MM PIN SIZE
#5050BNZ	#92NZ	#E50 SERIES	#86G125	#4040G150A
#5050A,B	#92CX	#E550 Pacific Series	#86G135	#4040G150B
#101AUS	#80G5		#86G140	
#202AUS	#96AUS		#86G145	
#303AUS	#81G5		#86G150	

## TCK1011 REPAIR KIT

# TO SUIT 101 AUS, 202 & 303 AUS, 5050BNZ, 5050A, B TRAILER COUPLINGS



**TCK1013**  
BUSH UPPER

Stock Number 275055



**TCK1034**  
BUSH LOWER

Stock Number 272051



**TCK1036 WEAR PLATE WITH**  
SCREWS AND NUTS

Stock Number 275053



**TCK1017**  
PIN, LIFTER AND SPRINGS

Stock Number 271998



**TCK1018**  
LIFTING HANDLE

Stock Number 270124



**TCK1011**  
REPAIR KIT, MAJOR REBUILD

Stock Number 271999

**Includes:**

- TCK1013 Bush Upper
- TCK1034 Bush Lower
- TCK1036 Wear Plate With Screws and Nuts
- TCK1017 Pin, Lifter and Springs

## TCK1031 REPAIR KIT

# TO SUIT 80G5, 81G5, 92CX, 92NZ, 96AUS 50MM COUPLINGS



**TCK1033**  
BUSH UPPER

Stock Number 272050



**TCK1034**  
BUSH LOWER

Stock Number 272051



**TCK1036 WEAR PLATE WITH**  
SCREWS AND NUTS

Stock Number 275053



**TCK1035**  
PIN MAIN

Stock Number 272052



**TCK1037**  
PIN MAIN WITH SPRINGS

Stock Number 275054



**TCK1031**  
REPAIR KIT, MAJOR REBUILD

Stock Number 272000

**Includes:**

- TCK1033 Bush Upper
- TCK1034 Bush Lower
- TCK1036 Wear Plate With Screws and Nuts
- TCK1037 Pin Main With Springs

## TCK1064 REPAIR KIT

# TO SUIT E50, E55, 50MM PACIFIC SERIES COUPLINGS



**TCK1066**  
BUSH UPPER

Stock Number	On Request
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**TCK1067**  
BUSH LOWER

Stock Number	On Request
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**TCK1065**  
COUPLING PIN MAIN 50MM

Stock Number	On Request
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**TCK1068C**  
CAST WEAR PAD

Stock Number	272011
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**TCK1068**  
NYLON WEAR PAD

Stock Number	272012
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**TCK1064**  
REPAIR KIT, MAJOR REBUILD

Stock Number	272010
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**Includes:**

- TCK1066 Bush Upper
- TCK1067 Bush Lower with circlip
- TCK1068 Wear Pad With Screws
- TCK1065 Coupling Pin Main 50mm

## TCK1075 REPAIR KIT

# TO SUIT 86G SERIES AND 2040G/150 40MM COUPLINGS



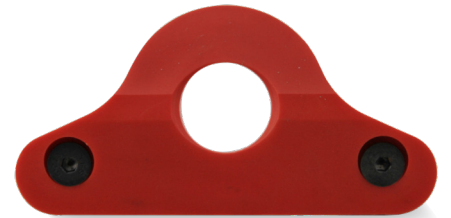
**TCK1079**  
**BUSH UPPER**

Stock Number	275063
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**TCK1080**  
**BUSH LOWER**

Stock Number	275064
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**TCK1074 WEAR PLATE WITH**  
**SCREWS AND NUTS**

Stock Number	275061
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**TCK1071**  
**PIN MAIN**

Stock Number	275060
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**TCK1076**  
**PIN MAIN WITH SPRINGS**

Stock Number	275062
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**TCK1075**  
**REPAIR KIT, MAJOR REBUILD**

Stock Number	272001
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**Includes:**

- TCK1079 Bush Upper
- TCK1080 Bush Lower
- TCK1074 Wear Plate With Screws and Nuts
- TCK1076 Pin Main With Springs



## TCK1083 REPAIR KIT

# TO SUIT 4040G150A & 4040G150B 40MM TRAILER COUPLINGS



**TCK1084**  
**BUSH UPPER**

**Stock Number** On Request



**TCK1085**  
**BUSH LOWER**

**Stock Number** On Request



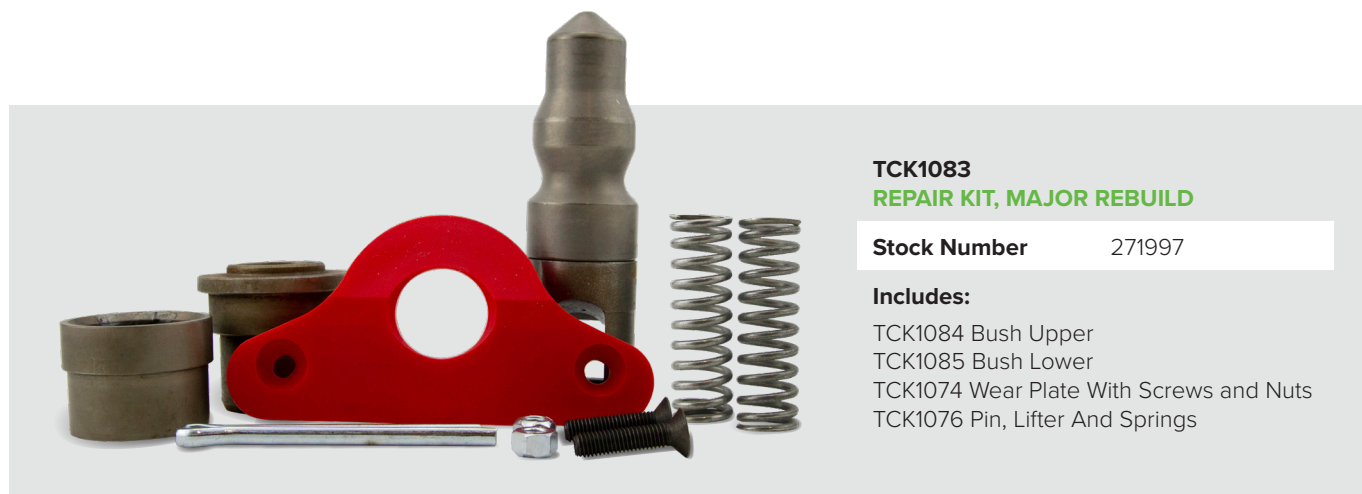
**TCK1074 WEAR PLATE WITH**  
**SCREWS AND NUTS**

**Stock Number** 275061



**TCK1086**  
**PIN, LIFTER AND SPRINGS**

**Stock Number** On Request



**TCK1083**  
**REPAIR KIT, MAJOR REBUILD**

**Stock Number** 271997

**Includes:**

- TCK1084 Bush Upper
- TCK1085 Bush Lower
- TCK1074 Wear Plate With Screws and Nuts
- TCK1076 Pin, Lifter And Springs



# TCK MOUNTING BUSHES AND SHAFT RUBBERS TO SUIT 50MM COUPLINGS



**TCK7126**  
**SHAFT RUBBER, PAIR**

<b>Stock Number</b>	275070
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To suit 50mm 96AUS, 92CS, 96NZ,  
101AUS, 202AUS & 303AUS  
Tow Couplings



**TCK7127**  
**SHAFT RUBBER, PAIR**

<b>Stock Number</b>	275071
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To suit 50mm 81/G5 Tow Couplings



**TCK7125 BEARING BUSH, WHITE**  
**NYLON PAIR**

<b>Stock Number</b>	275075
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To suit 50mm, 96AUS, 92CX, 96NZ,  
101AUS, 202AUS, & 303 AUS  
Tow Couplings



**TCK7129 BEARING BUSH, WHITE**  
**NYLON PAIR**

<b>Stock Number</b>	275076
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To suit 50mm 81/G5 Tow Couplings

## TCK TOW EYE BUSHES

# TO SUIT 4040G150A & 4040G150B 40MM TRAILER COUPLINGS



**TCK8303**  
**40MM TOE EYE BUSH**

Stock Number	275081
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OD	48mm
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**TCK8302**  
**50MM TOE EYE BUSH**

Stock Number	275080
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OD	60mm
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## TCK WEAR GAUGES

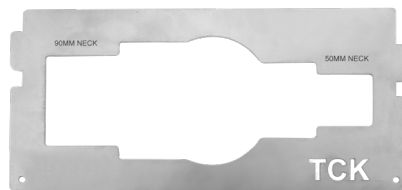
# TO SUIT 4040G150A & 4040G150B 40MM, 50MM, 90MM TRAILER COUPLINGS



**TCK1038**  
**COUPLING PIN WEAR GAUGE**

Stock Number	272002
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Suitable for checking wear on all 40mm and 50mm TCK Tow Coupling Pins.



**TCK1040**  
**KING PIN WEAR GAUGE**

Stock Number	275095
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Suitable for checking wear on all 50mm and 90mm King Pins



**TCK1041 50MM**  
**SKID PLATE WEAR GAUGE**

Stock Number	275096
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Suitable for checking wear on all Skid Plates with 50mm King Pins

**TCK1042 90MM**  
**SKID PLATE WEAR GAUGE**

Stock Number	On Request
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## TCK MAINTENANCE

# TOW COUPLING PREVENTATIVE MAINTENANCE

Paying attention to the wear limits of components like Tow Couplings is known to reduce the risk of on-road failures, improving safety and minimising down time.

Tow Couplings have a pre-determined “working clearance” to enable the device to work effectively, while some parts of the coupling function best with zero clearance in a normal operating state.

**Individual parts of the Tow Coupling wear differently, so repairs typically follow a three step process:**

- The sacrificial wear plate wears the fastest and requires replacing first
- The second step of the maintenance process requires replacing, the wear plate, coupling pin and springs
- The third step requires replacing the wear plate, coupling pin and springs, and upper and lower bushe (complete kit)

The key is to ensure the sacrificial wear plate is replaced once it has worn 4mm down from its original thickness. Ignoring this wear will quickly see the coupling unserviceable.

## TCK MAINTENANCE

# REPLACEMENT GUIDELINES

- Replace wear plate when clearance has increased by 4mm
- Replace coupling pin when clearance reaches. 46mm on 50mm pin and 36.5mm on 40mm pin
- Replace coupling pin and lower bush when clearance reaches 2.0mm
- Replace drawbar shaft and nylon bushes when clearance reaches 1mm
- Longitudinal clearance of drawbar shaft in mounting boss must be 0mm



## TCK (AUST) PTY LTD

# CONDITIONS OF MANUFACTURER'S WARRANTY NEW ZEALAND

- TCK (Aust) Pty Ltd's warranty is compliant with the New Zealand Guarantees Act (CGA) and is only valid in the country of purchase.
- TCK Australia will replace faulty product in service under normal operating conditions for up to 12 months or 100,000 kilometers, whichever comes first.
- TCK Australia reserves the right for goods to be returned for inspection prior to confirming a warranty claim. All costs incurred in freight forwarding will be covered by TCK Australia.
- TCK Australia reserves the right to assess the operating environment before making a replacement decision.
- This warranty is in addition to, and does not in any way affect, your rights under the Consumer Guarantees Act.

**WARRANTY CLAIM PROCEDURE**  
**CONTACT MIKES TRANSPORT WAREHOUSE**

 07 850 8333  
 [www.mtw.net.nz](http://www.mtw.net.nz)

 [mtwadmin@modtrans.co.nz](mailto:mtwadmin@modtrans.co.nz)  
 6624 Te Rapa Rd, Hamilton





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