



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.

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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?

| TCK1011 50MM PIN SIZE | TCK1031 50MM PIN SIZE | TCK1064 50MM PIN SIZE | TCK1075 40MM PIN SIZE | TCK1083 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 |
|---------------------|------------|



TCK1067
BUSH LOWER

| | |
|---------------------|------------|
| Stock Number | On Request |
|---------------------|------------|



TCK1065
COUPLING PIN MAIN 50MM

| | |
|---------------------|------------|
| Stock Number | On Request |
|---------------------|------------|



TCK1068C
CAST WEAR PAD

| | |
|---------------------|--------|
| Stock Number | 272011 |
|---------------------|--------|



TCK1068
NYLON WEAR PAD

| | |
|---------------------|--------|
| Stock Number | 272012 |
|---------------------|--------|



TCK1064
REPAIR KIT, MAJOR REBUILD

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|---------------------|--------|
| Stock Number | 272010 |
|---------------------|--------|

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



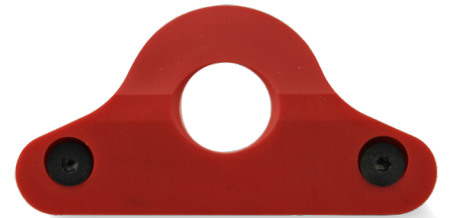
TCK1079
BUSH UPPER

Stock Number 275063



TCK1080
BUSH LOWER

Stock Number 275064



TCK1074 WEAR PLATE WITH
SCREWS AND NUTS

Stock Number 275061



TCK1071
PIN MAIN

Stock Number 275060



TCK1076
PIN MAIN WITH SPRINGS

Stock Number 275062



TCK1075
REPAIR KIT, MAJOR REBUILD

Stock Number 272001

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

| | |
|---------------------|--------|
| Stock Number | 275070 |
|---------------------|--------|

To suit 50mm 96AUS, 92CS, 96NZ,
101AUS, 202AUS & 303AUS
Tow Couplings



TCK7127
SHAFT RUBBER, PAIR

| | |
|---------------------|--------|
| Stock Number | 275071 |
|---------------------|--------|

To suit 50mm 81/G5 Tow Couplings



TCK7125 BEARING BUSH, WHITE
NYLON PAIR

| | |
|---------------------|--------|
| Stock Number | 275075 |
|---------------------|--------|

To suit 50mm, 96AUS, 92CX, 96NZ,
101AUS, 202AUS, & 303 AUS
Tow Couplings



TCK7129 BEARING BUSH, WHITE
NYLON PAIR

| | |
|---------------------|--------|
| Stock Number | 275076 |
|---------------------|--------|

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 |
|--------------|--------|

| | |
|----|------|
| OD | 48mm |
|----|------|



TCK8302
50MM TOE EYE BUSH

| | |
|--------------|--------|
| Stock Number | 275080 |
|--------------|--------|

| | |
|----|------|
| OD | 60mm |
|----|------|

TCK WEAR GAUGES

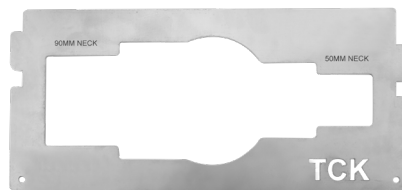
TO SUIT 4040G150A & 4040G150B 40MM, 50MM, 90MM TRAILER COUPLINGS



TCK1038
COUPLING PIN WEAR GAUGE

| | |
|--------------|--------|
| Stock Number | 272002 |
|--------------|--------|

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



TCK1040
KING PIN WEAR GAUGE

| | |
|--------------|--------|
| Stock Number | 275095 |
|--------------|--------|

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



TCK1041 50MM
SKID PLATE WEAR GAUGE

| | |
|--------------|--------|
| Stock Number | 275096 |
|--------------|--------|

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

TCK1042 90MM
SKID PLATE WEAR GAUGE

| | |
|--------------|------------|
| Stock Number | On Request |
|--------------|------------|

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

 mtwadmin@modtrans.co.nz
 6624 Te Rapa Rd, Hamilton



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