

## Steering Box Assembly Complete

List Price \$ 775.00 Racer Decal Discount \$ 650.00

Over the years, decades now, people have used a whole range of different steering boxes to connect the steering wheel and the front wheels. For a long time all that was available was used stuff from the wrecking yard there it was your luck if you got a good one. For front engine dragsters and altered and funny cars most steering boxes

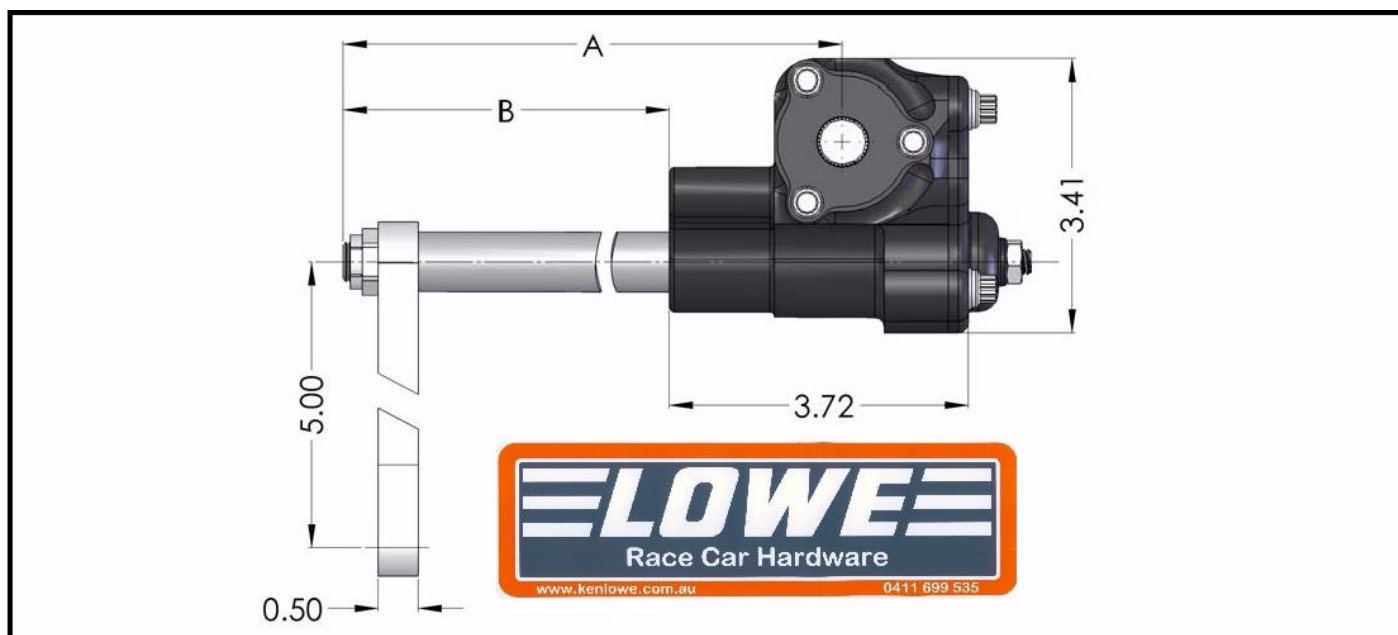
out of a street car are too slow for the application. This often results in a poor handling car and seldom is the steering box found to blame when in fact it is. This box has been developed over the years (decades) to replace the slow acting, wrecking yard street steering boxes. The dimensions of this steering box follow the most common steering boxes used in front engine dragsters, Funny Cars and Altered. We offer a whole range of mounting brackets for different applications listed below. This is the right box for your race car.

Steering box complete with pitman arm and splined weld hub

13" from center of steering box to end of pitman arm shaft PN 23825-03013

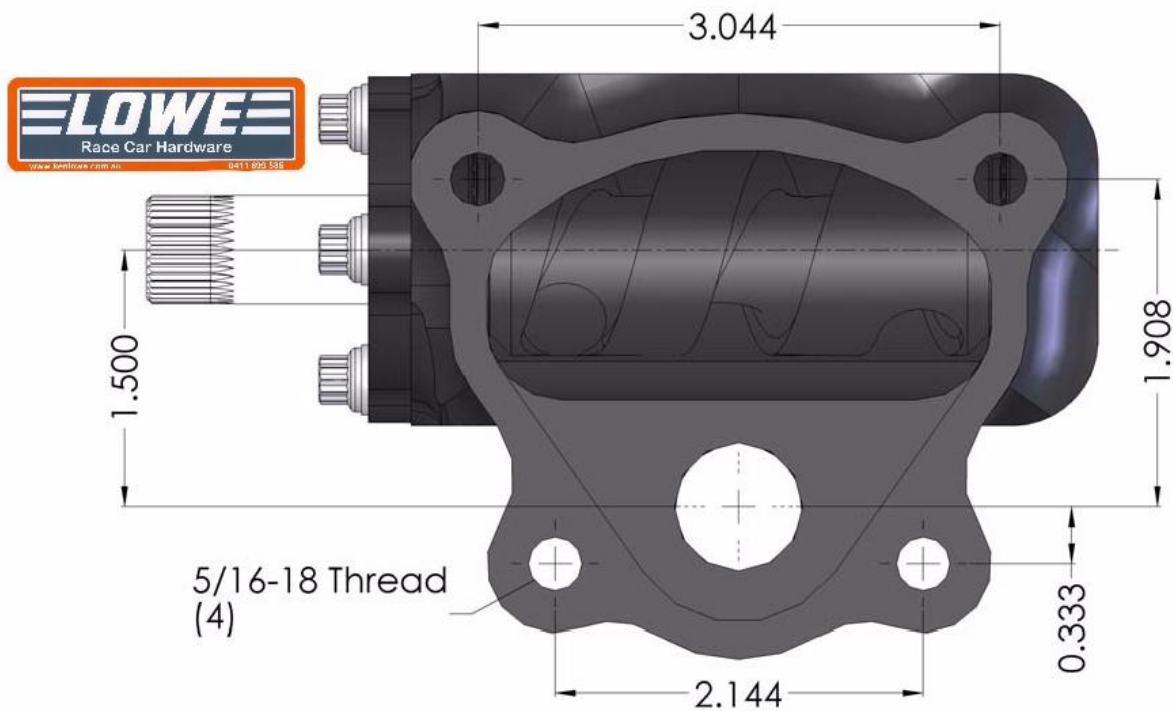
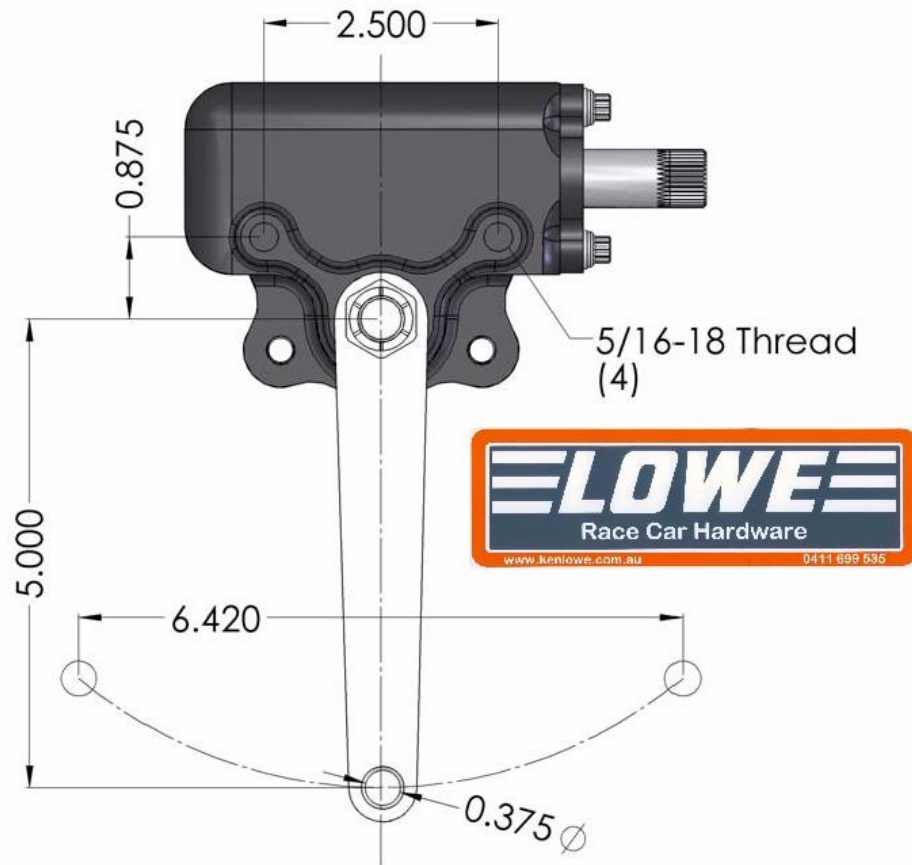
14" from center of steering box to end of pitman arm shaft PN 23825-03014

15" from center of steering box to end of pitman arm shaft PN 23825-03015

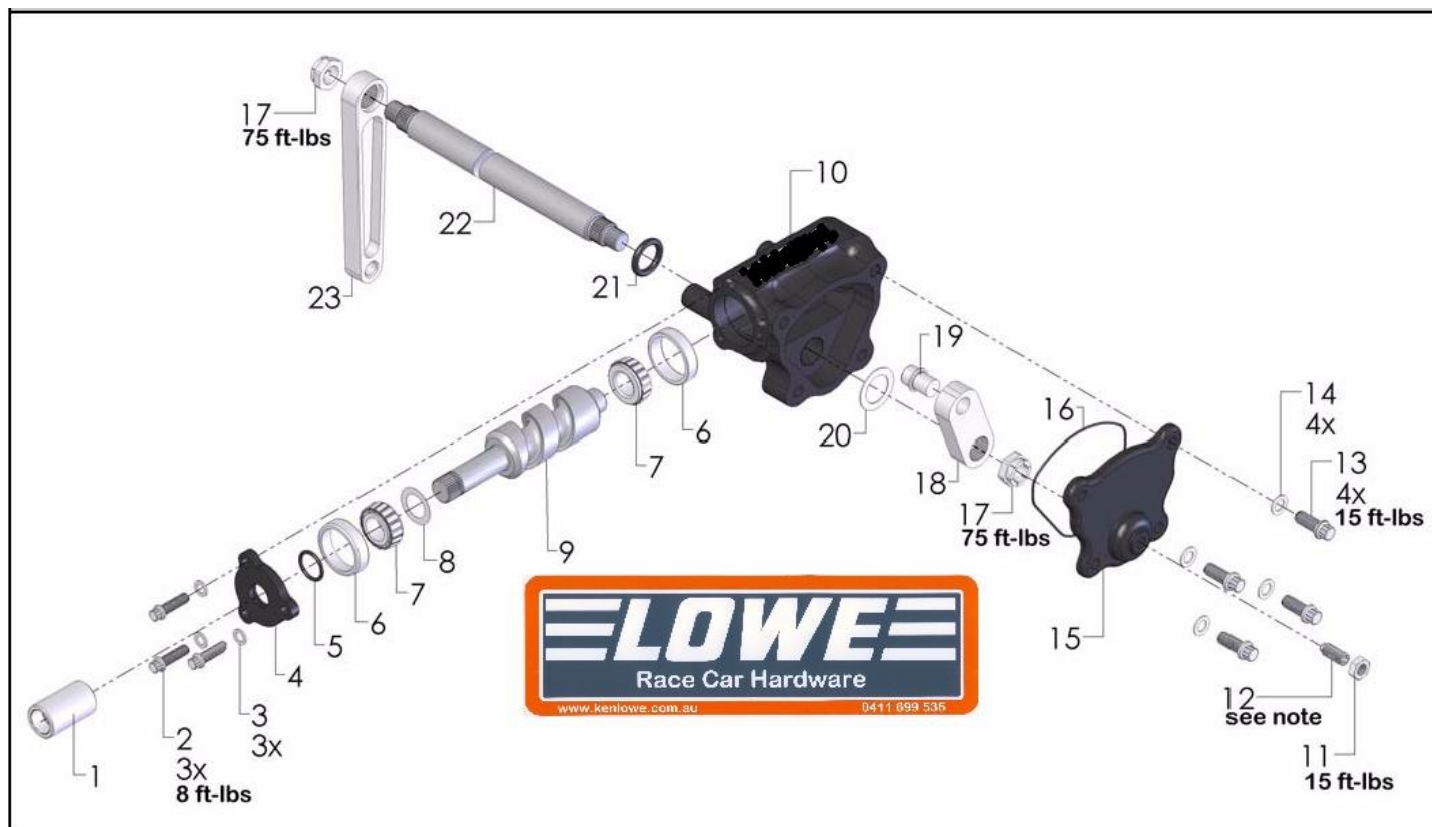


## Steering Box Dimensions and Applications

Part Number	A	B	Sector Shaft Length	Applications
23825-03013	13"	10.875"	14.625"	Alcohol FC
23825-03014	14"	11.875"	15.625"	Fuel FC
23825-03015	15"	12.875"	16.625"	Nostalgia FC



- Black anodized aluminum body
- Pocket milled pitman arm
- CNC Profiled, nitrided, and REM polished worm gear for maximum wear resistance and minimal "play"
- 3 Different sector shaft lengths for alcohol, fuel and nostalgia funny cars
- Set screw to adjust sector shaft end play
- Mounting holes on both sides of the steering box for rigid mounting
- 3/4" Dia. stainless steel sector shaft
- 10:1 Steering ratio (number of turns of input shaft / number of turns of output shaft)
- Total weight of 5.25 lbs.
- Two full turns of steering wheel lock to lock



## Steering Box Mounting- Instructions and Hardware

Building the car with the Pittman arm shaft over the chassis rail on a FED is OK as the drag link will pass by the engine easily, but on a Funny Car or Altered since the seating position is higher the shoulder hoop is higher and thus it raises the steering box Pittman arm shaft potentially causing a drag link interference problem with the engine exhaust or cylinder head. It is less of a problem with a small block Chevy but both Big Block Chevys and Chryslers will have interference problems. Your two options are to put a “dog leg” kink in the drag link which will make the drag link more flexible and thus the steering less responsive or you can mount the Pittman arm shaft under the chassis rail thus lowering the Pittman arm and giving the drag link a straight shot to the steering bell crank assembly.

If you are going to run the steering box Pittman arm shaft over the chassis there are three steering box mounting brackets that are offered. Each mounting bracket has a Pittman arm support bracket that is engineered to work with it. By attaching the Pittman arm support bracket to the removable steering cross member it makes it much easier to service the transmission or clutch since with just a couple of bolts you can remove the complete steering assembly giving you free and easy access to the transmission area.

## High mount Kit 21599 – Recommended for Altered if you will have drag link clearance under the headers.

Steering box mounting bracket

PN 23090-21593

Pittman arm support bracket

PN 23090-21586

Pittman arm support bracket weld on tabs

2ea PN 23735-21683



**Kit Part Number 23090-21559    List Price \$175.00+    Racer Decal Discount \$145.00+**

**LOWE Race Car Hardware - Phone 0411-699 535 - [www.KenLowe.com.au](http://www.KenLowe.com.au)**



## **Mid Mount 21559 – Recommended for most FED's – allows body clearance for cowl.**

Steering box mounting bracket

PN 23090-21553

Pittman arm support bracket

PN 23090-21566

Pittman arm support bracket weld on  
tabs 2ea PN 23735-21683



**Kit Part Number 23090-21559 List Price \$175.00+**

**Racer Decal Discount \$145.00+**

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## **Low Mount Kit 21609**

**Good for Altered's if you want to have your steering wheel setting more vertical as this bracket set rotates the steering box down allowing you to raise the steering wheel.**

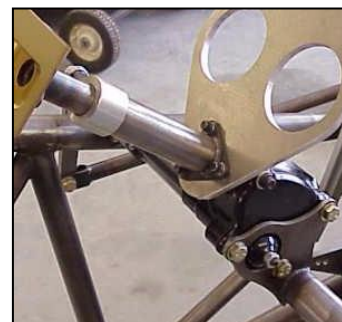
Steering box mounting bracket PN 23090-21603

Pittman arm support bracket PN 23090-21566

Pittman arm support bracket weld on tabs 2ea  
PN 23735-21683

**Kit Part Number 23090-21609**

**List Price \$175.00+ Racer Decal Discount \$145.00+**



To mount the Pittman arm shaft under the chassis rail on your FC/A use the Under Mount Kit below.

## Under Mount 21619

### Straight Drag Link

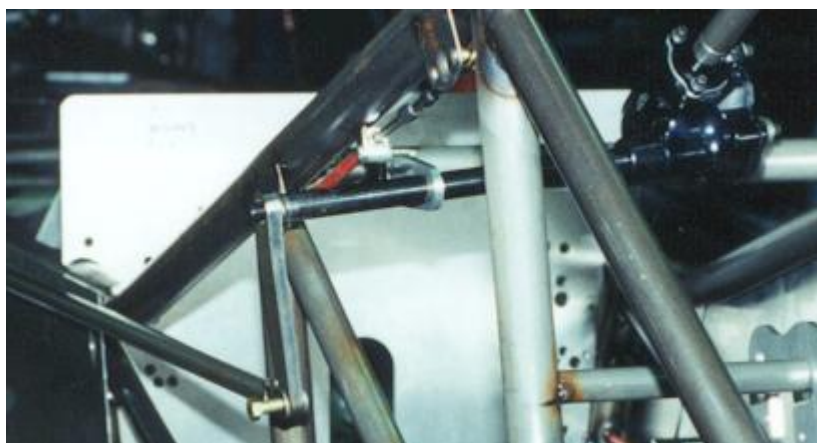
### Recommended for all Funny Car applications

Steering box mounting bracket

PN 23090-21613

Pittman arm support bracket

PN 23090-21576



Pittman arm support bracket weld on tabs 2ea pn 23735-21683

**Kit Part number 23090-21619 List Price \$175.00+ Racer Decal Discount \$145.00+**

#### Steering Box Mounting Brackets



Overview of all four available brackets overlaid on each other.



High Mount (Car 53 - Slapp)  
2159.mx2 (pn23090-21593)  
2.095 pathy  
Use 2158.mx2 support bracket  
with 2ea 2168.mx2 weld tabs



Mid Mount (Car 45 Roly Leahy)  
2155.mx2 (pn23090-21553)  
2.407 pathy  
Use 2156.mx2 support bracket  
with 2ea 2168.mx2 weld tabs



Low Mount (Car 48 Harvey)  
2160.mx2 (pn23090-21603)  
2.407 pathy  
Use 2156.mx2 support bracket  
with 2ea 2168.mx2 weld tabs



Under Mount (Car 55 Clayton)  
2161.mx2 (pn23090-21601)  
Use 2157.mx2 support bracket  
with 2ea 2168.mx2 weld tabs

# Steering Bellcrank Altered or Funny Car Front Engine Dragster

## Lever arm length from pivot

Drag link side 6" long center to center

Tie Rod side 5" long center to center

3/8" steer holes – 1/2" pivot hole

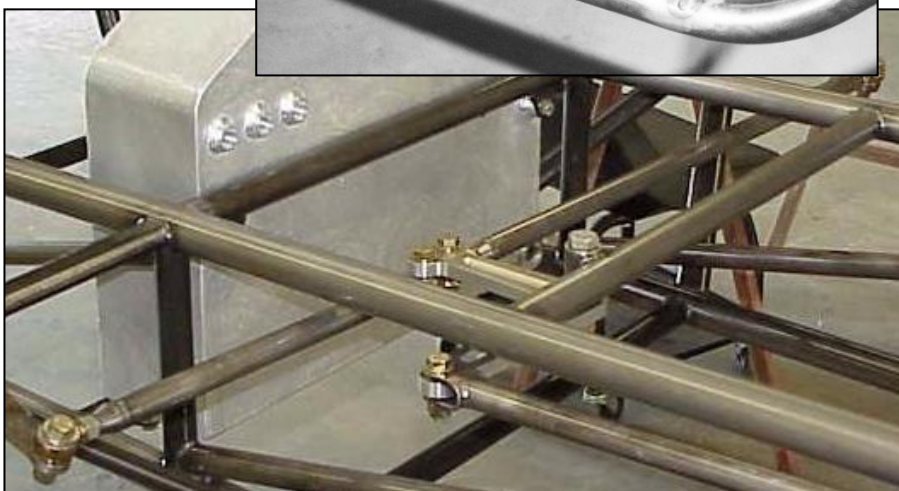
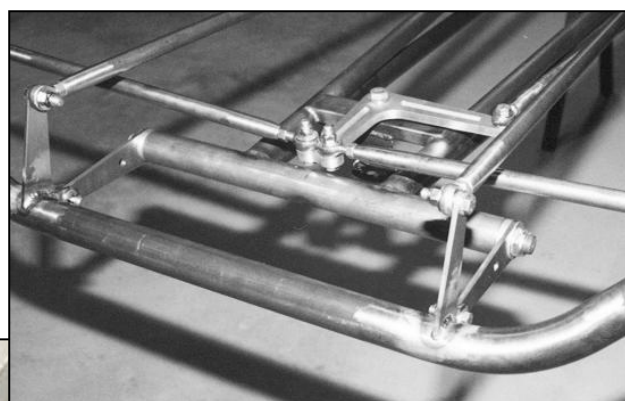
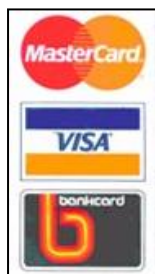
Includes: Bellcrank, 1" Chassis weld boss, roller bearings and races, pivot bolt, washers and nylon lock nut.

## Complete Kit

**PN 23065-21410**

List \$ 275.00 +

Racer Decal Discount \$ 225.00 +



## Weld -Tube End Insert

3/8" unf thread (RH)

3/4" x .058 tube

Weld in threaded end for linkage and other applications.

**Part Number 11762-10750**

Sold in pairs (2 each)

List Price (pair) \$ 45.00+

Racer Decal Discount (pair) \$ 30.00+



Brackets for FED front axles, the radii rod wings are available as well from our Suspension Catalogue.

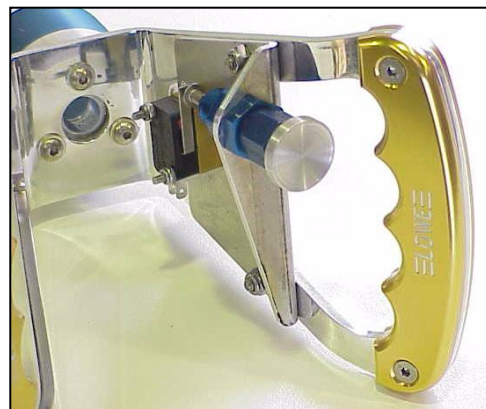


# Butterfly Steering Wheels

All of our products are fully CNC machined to the highest quality aerospace standards.

All anodized products are polished and then bright dipped for maximum luster.

Part Number	Description – Standard Wheel	Price
23707-00100	Steering Wheel only (no grips)	\$ 133.00
23707-00103	Steering Wheel with black grips	\$205.00
23707-00104	Steering Wheel with <b>RED</b> grips	\$205.00
23707-00105	Steering Wheel with <b>BLUE</b> grips	\$205.00
23707-00106	Steering Wheel with <b>PURPLE</b> grips	\$205.00
23707-00107	Steering Wheel with <b>GOLD</b> grips	\$205.00



Light steering wheels have the material removed behind the grips to save weight.

Part Number	Description – Lightened Wheel	Price
23707-01100	Steering Wheel only (no grips)	\$ 153.00
23707-01103	Steering Wheel with black grips	\$225.00
23707-01104	Steering Wheel with <b>RED</b> grips	\$225.00
23707-01105	Steering Wheel with <b>BLUE</b> grips	\$225.00
23707-01106	Steering Wheel with <b>PURPLE</b> grips	\$225.00
23707-01107	Steering Wheel with <b>GOLD</b> grips	\$225.00



Steering wheel control panel, bolts to steering wheel to mount transbrake switches, ignition switches or shift buttons to.

PN 23525-00200 \$ 69.00 Installation at time of order of panel and steering wheel is only \$ 12.00

## Steering wheel weld on mounting flanges

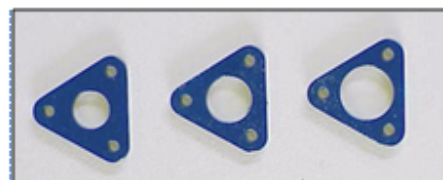
Chrommoly steel CNC machined to size and ready to weld on to your shaft. Drilled to match bolt pattern on KLRC steering wheel. (1 3/8" x 3 bolt)

Bolt circle is 1 3/8" bolt circle with 3 ea 3/16" holes for mounting the wheel.

5/8" Shaft steering wheel mounting flange PN 23090-21631 \$ 29.00

3/4" Shaft steering wheel mounting flange PN 23090-21632 \$ 29.00

7/8" Shaft steering wheel mounting flange PN 23090-21633 \$ 29.00



## Steering wheel mounting hub

Chrommoly hub assembly fits over 5/8" shaft, comes drilled to put a 3/16" bolt through the shaft to lock in place. Standard KLRC steering wheel bolt on with three 10-24 bolts. CNC machined mounting flange tumbled for finish  
Part number 23250-21632 \$ 85.00



**Transbrake button kit** – shown installed.

**Transbrake button assembly installed on KLRC steering wheel.**

**Complete Kit** – ZERO Reaction Button Kit and Mounting Plate Kit with switch

Adjustable plunger depth setting insures the switch releases the trans brake instantly the button is moved to release it.

Part Number 23525-31504 \$185.00

Installed on your steering wheel when you order the steering wheel and the complete trans brake button kit (23525-31504) at the same time the installation is \$12.00



NOTE: This button kit may be mounted on a dash panel too. Just drill a 9/16" hole in the panel and use the button mounting nut to hole the assembly to the dash panel. This is the way we have it in our "Outlaws" car. The "Modified" car has the standard wheel mounting as shown below.

Racer Decal Discount is the price we offer to anyone willing to put our sticker on their vehicle. In effect we are paying you to help us advertize. We get the advertizing and you get the savings. All prices are in AUD and plus GST and Shipping costs



## Steering wheel quick release

Some race cars need to have the steering wheel out of the way in order for the driver to get in our out. Most of the steering wheel quick releases are designed for sedans and sedan steering wheels with the larger bolt pattern. The LOWE steering wheel quick release is smaller and designed for center steer cars such as Alters, Funny Cars, and Front and Rear Engine Dragsters. The steel shaft (5/8" round x 1/2" hex) welds into your steering shaft and the KLRC steering wheel bolts to the three bolt mounting flange. Pull the gold ring flange back and the steering wheel and quick release slides off the hex shaft. Internal snap ring locates the hub for easy installation. Just slide it on the shaft all the way to the stop and release the gold ring.





**Steering wheel quick disconnect hub assembly/kit**  
**3 bolt wheel mount fits standard LOWE steering wheel**

PN 23335-10009

List \$ 185.00

Racer Decal Discount \$ 165.00 +



**Blank steering wheel quick disconnect hub assembly** complete kit.

Round mount with no predrilled drilled or tapped holes.

Included with steel weld in spindle is

5/8" round diameter x 1/2" hex.

PN 23335-10109

List \$ 185.00

Racer Decal Discount \$ 165.00 +

**Blank (undrilled) steering wheel  
quick release hub kit**



**Adapter from 1" hex quick release to KLRC steering wheel**

Adapter to allow you to bolt our standard KLRC steering wheel to a large sedan type quick release hub (1" hex). Just bolt the adapter to your hub and then directly bolt your KLRC steering wheel to the adapter.

Part number 23335-96500 \$ 75.00

List \$ 85.00

Racer Decal Discount \$ 75.00 +

