

Pedal Assemblies

Tilton offers a wide range of pedal assemblies for use in racing and high-performance applications. Pedal assemblies are available in Floor-mount, Firewall-mount and Overhung configurations. 600-Series pedal assemblies feature traditional fixed-mount master cylinder & balance bar technology and provide excellent performance at competitive prices. 900-Series pedal assemblies feature the latest in pivot-mount master cylinder technology that offers the ultimate in balance bar efficiency, providing exceptional driver feedback and repeatable braking.

600-Series Pedal Assemblies

Features

- Fully optimized for strength and weight using Finite Element Analysis (FEA).
- Traditional balance bar and fixed mounted master cylinder design.
- Large diameter 7/16" diameter balance bar minimizes flex to provide a solid pedal feel/response. PTFE coated aluminum clevises for increase durability and reduced friction.
- Oil-impregnated bronze bushing at pedal pivots.
- Adjustable pedal pads.
- Aluminum and steel pedal options.

900-Series Pedal Assemblies

Features

- Fully optimized for strength and weight using Finite Element Analysis (FEA).
- Pivot-mount master cylinders and fixed "gimbal-type" balance bar virtually eliminates brake migration through braking zone.
- Billet pedals and frame.
- Adjustable pedal ratios.
- Ball and/or needle bearings at pedal pivots.
- Adjustable pedal pads.



3-Pedal Floor-Mount



Pedal Material:	Aluminum
Ratio:	Varies
Weight:	5.5 lbs (2.5 kg)
P/N:	72-603

Typical Applications

- Road Racing
- Endurance
- Open Wheel/Formula
- Off Road
- High Performance Street/Strip
- Circle Track
- Rally
- Drifting
- Time Attack



Forged aluminum pedals with adjustable (vertical & horizontal) foot pads and anti-slip surfaces. Ratios achievable: 5.29:1, 5.44:1, 5.61:1, 5.75:1.



Lightweight aluminum frame features guide "ramps" to reduce balance bar tipping. By reducing balance bar tipping brake repeatability is improved.



Large diameter 7/16"-20 balance bar, allowing front/rear brake bias adjustments, minimizes flex to provide a solid pedal feel/response. PTFE coated aluminum clevises for increased durability and reduced friction.



Pedal pivots feature wave washers to reduce lateral pedal movement and oil impregnated bronze bushings decrease stiction.



Frame accepts optional throttle linkage kits, to enable adjustments for either mechanical or drive-by-wire throttle controls.



Adjustable throttle pedal stops limit pedal movement in both directions. Adjustable clutch pedal stop prevents clutch over-stroking.

Throttle linkage kit

Mechanical type (shown): P/N 72-791

Drive-by-wire type: P/N 72-792*

* Designed for use with Penny & Giles TPS280DP family of sensors.

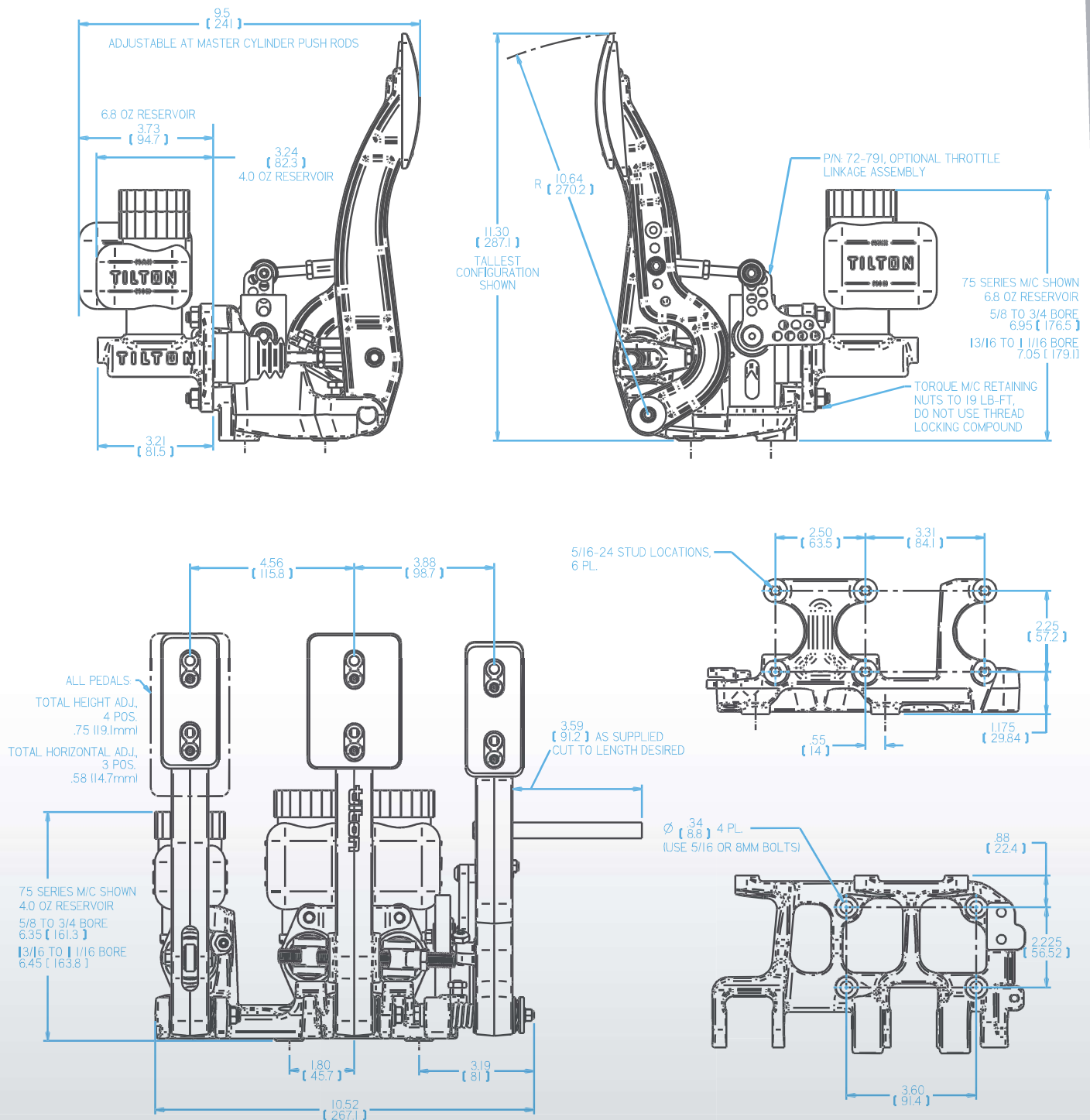


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* Does not include master cylinders

Detailed Pedal Information

Pedal assemblies do not include master cylinders



2-Pedal Floor-Mount

600
series



Pedal Material:	Aluminum
Ratio:	Varies
Weight:	4.6 lbs (2.1 kg)
P/N:	72-604

Typical Applications

- Road Racing
- Endurance
- Open Wheel/Formula
- Off Road
- High Performance Street/Strip
- Circle Track
- Rally
- Drifting
- Time Attack



Forged aluminum pedals with adjustable (vertical & horizontal) foot pads and anti-slip surfaces.
Ratios achievable: 5.29:1, 5.44:1, 5.61:1, 5.75:1.



Lightweight aluminum frame features guide "ramps" to reduce balance bar tipping. By decreasing balance bar tipping, friction is decreased and brake repeatability is improved.



Large diameter 7/16"-20 balance bar, allowing front/rear brake bias adjustments, minimizes flex to provide a solid pedal feel/response. PTFE coated aluminum clevises for increased durability and reduced friction.



Pedal pivots feature wave washers to reduce lateral pedal movement and oil impregnated bronze bushings decrease stiction.



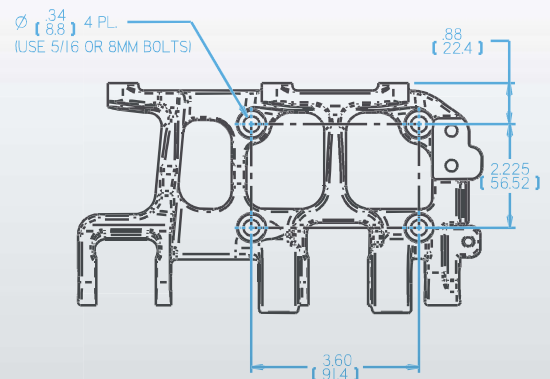
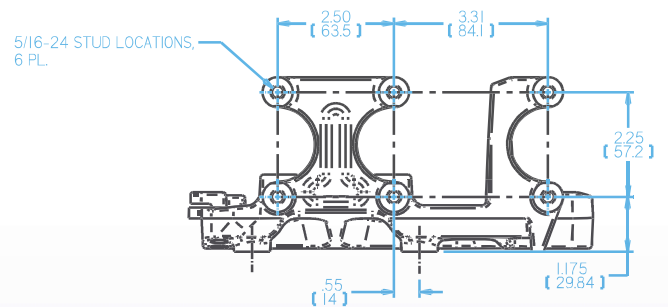
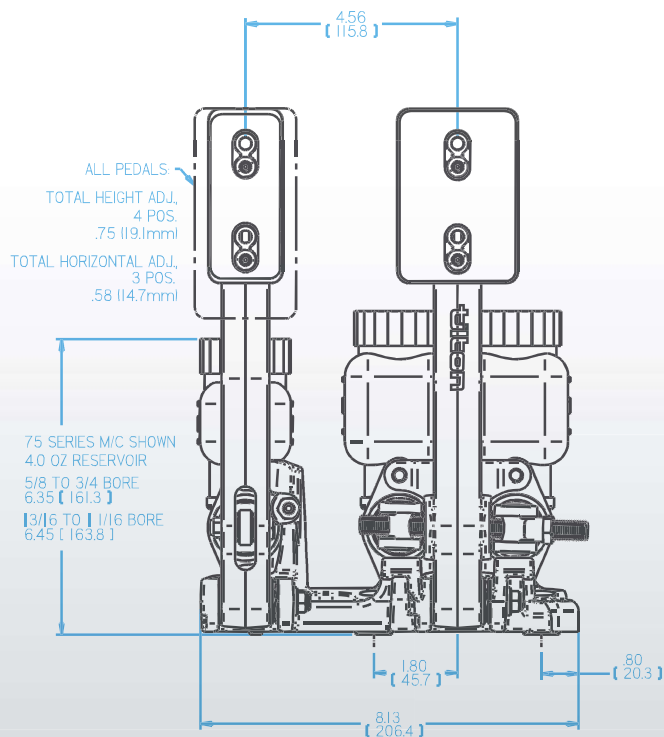
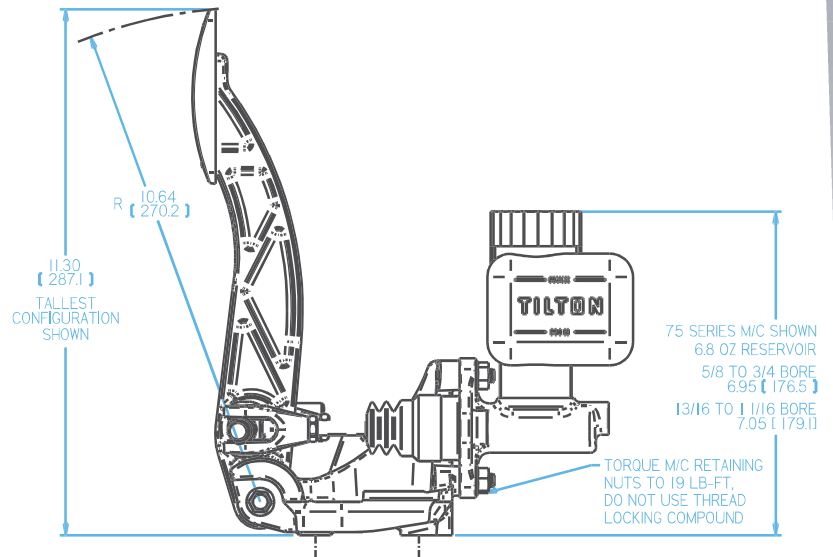
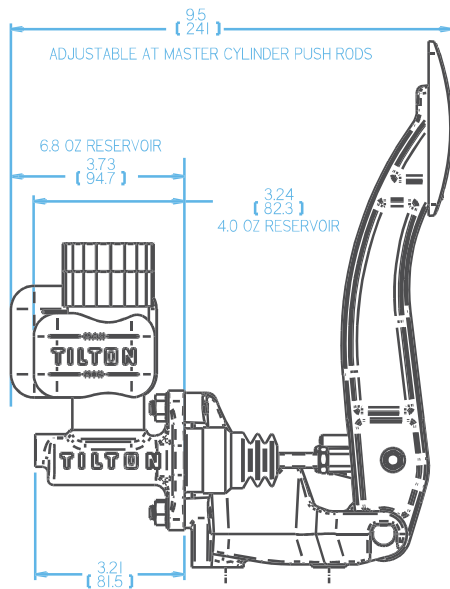
Adjustable clutch pedal stop prevents clutch over-stroking.

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* Does not include master cylinders

Detailed Pedal Information

Pedal assemblies do not include master cylinders



2-Pedal Overhung-Mount

600
series



Pedal Material:	Aluminum
Ratio:	Varies
Weight:	4.8 lbs (2.2 kg)
P/N:	72-608

Typical Applications

- Road Racing
- Endurance
- Off Road
- High Performance Street/Strip
- Circle Track
- Rally
- Drifting



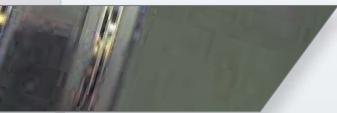
Forged aluminum pedals are engineered for high rigidity and low weight.



Lightweight aluminum frame features guide "ramps" to reduce balance bar tipping. By decreasing balance bar tipping, friction is decreased and brake repeatability is improved.



Large diameter 7/16"-20 balance bar, allowing front/rear brake bias adjustments, minimizes flex to provide a solid pedal feel/response. PTFE coated aluminum clevises for increased durability and reduced friction.



Pedal pivots feature wave washers to reduce lateral pedal movement and oil impregnated bronze bushings decrease stiction.



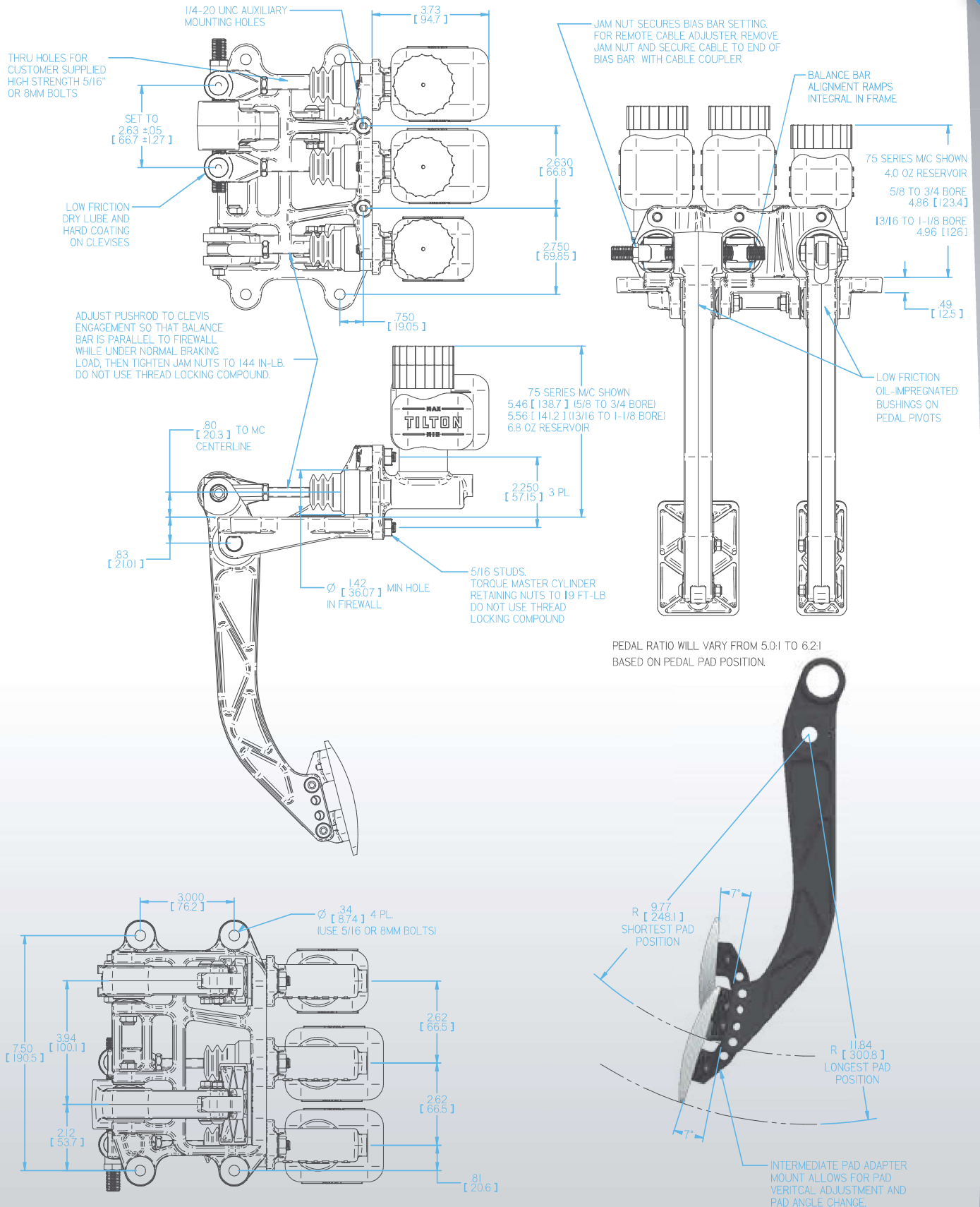
Foot pads can be adjusted vertically, horizontally and in angle to suit individual driver preferences. With two different pad sizes the customization is virtually endless.

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Proportioning Valves	89
Flow Control Valve	89

* Does not include master cylinders

Detailed Pedal Information

Pedal assemblies do not include master cylinders



ALL DIMENSIONS ARE INCHES [MM]. Full Installation Drawings are available at www.tiltonracing.com

2-Pedal Overhung-Mount



Pedal Material:	Steel
Ratio:	6.2 : 1
Weight:	5.1 lbs (2.3 kg)
P/N:	72-606

Typical Applications

- Road Racing
- Endurance
- Off Road
- High Performance Street/Strip
- Circle Track
- Rally
- Drifting



Fabricated steel pedals with anti-slip surfaces.



Lightweight aluminum frame features guide "ramps" to reduce balance bar tipping. By decreasing balance bar tipping, friction is decreased and brake repeatability is improved.



Large diameter 7/16"-20 balance bar, allowing front/rear brake bias adjustments, minimizes flex to provide a solid pedal feel/response. PTFE coated aluminum clevises for increased durability and reduced friction.



Pedal pivots feature wave washers to reduce lateral pedal movement and oil impregnated bronze bushings decrease stiction.



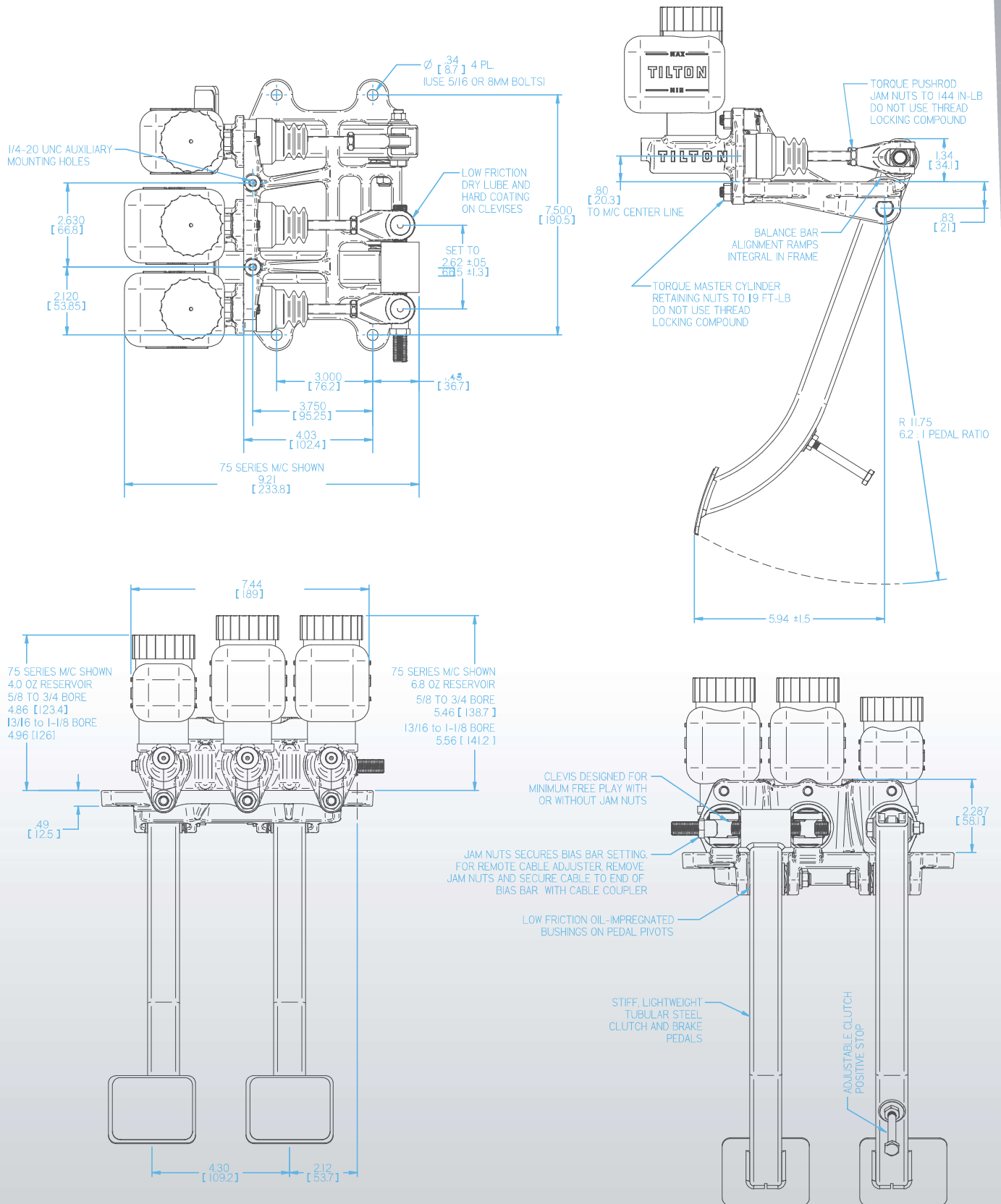
Adjustable clutch pedal stop prevents clutch over-stroking.

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Proportioning Valves	89
Flow Control Valve	89

* Does not include master cylinders

Detailed Pedal Information

Pedal assemblies do not include master cylinders



ALL DIMENSIONS ARE INCHES [MM]. Full Installation Drawings are available at www.tiltonracing.com

2-Pedal

Firewall-Mount

600
series

Pedal Material:	Aluminum
Ratio:	Varies
Weight:	4.8 lbs (2.2 kg)
P/N:	72-607

Typical Applications

- Road Racing
- Endurance
- Off Road
- High Performance Street/Strip
- Circle Track
- Rally
- Drifting

Forged aluminum pedals are engineered for high rigidity and low weight.

Lightweight aluminum frame features guide "ramps" to reduce balance bar tipping. By decreasing balance bar tipping, friction is decreased and brake repeatability is improved.

Large diameter 7/16"-20 balance bar, allowing front/rear brake bias adjustments, minimizes flex to provide a solid pedal feel/response. PTFE coated aluminum clevises for increased durability and reduced friction.

Pedal pivots feature wave washers to reduce lateral pedal movement and oil impregnated bronze bushings decrease stiction.

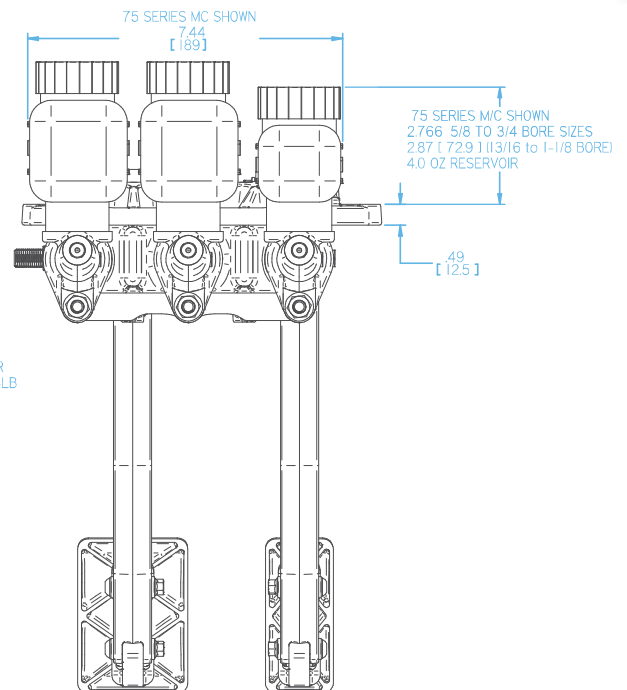
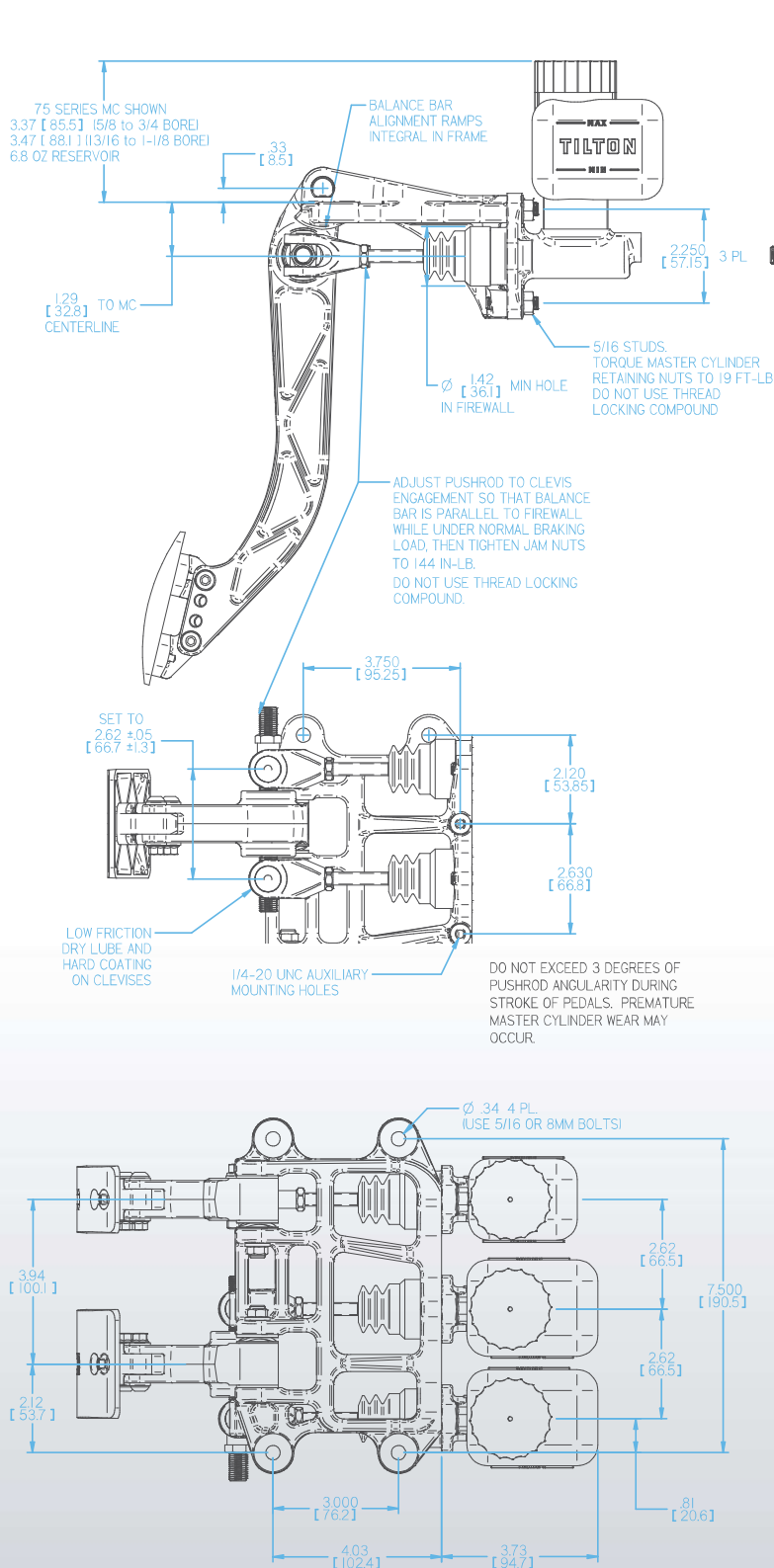
Foot pads can be adjusted vertically, horizontally and in angle to suit individual driver preferences. With two different pad sizes the customization is virtually endless.

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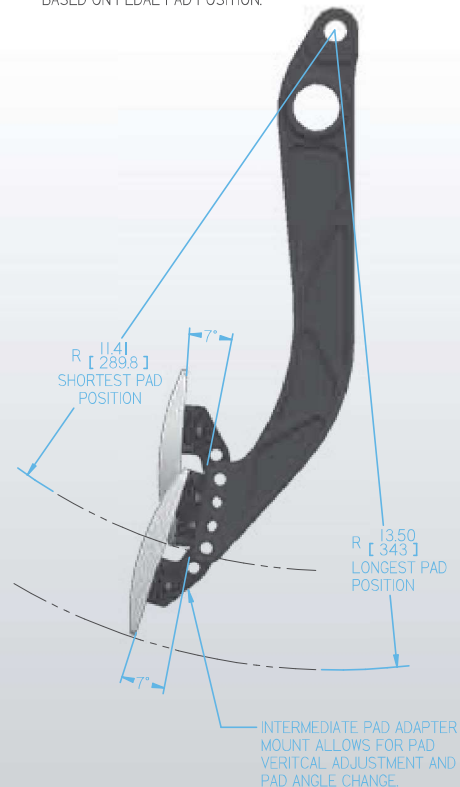
* Does not include master cylinders

Detailed Pedal Information

Pedal assemblies do not include master cylinders



PEDAL RATIO WILL VARY FROM 5.0:1 TO 6.2:1
BASED ON PEDAL PAD POSITION.



ALL DIMENSIONS ARE INCHES [MM]. Full Installation Drawings are available at www.tiltonracing.com

2-Pedal

Firewall-Mount

600
series

Pedal Material:

Steel

Ratio:

6.2 : 1

Weight:


4.6 lbs (2.2 kg)

P/N:


72-601

Typical Applications


- Road Racing
- Endurance
- Off Road
- High Performance Street/Strip
- Circle Track
- Rally
- Drifting




Fabricated steel pedals with anti-slip surfaces.




Lightweight aluminum frame features guide "ramps" to reduce balance bar tipping. By decreasing balance bar tipping, friction is decreased and brake repeatability is improved.



Large diameter 7/16"-20 balance bar, allowing front/rear brake bias adjustments, minimizes flex to provide a solid pedal feel/response. PTFE coated aluminum clevises for increased durability and reduced friction.



Pedal pivots feature wave washers to reduce lateral pedal movement and oil impregnated bronze bushings decrease stiction.



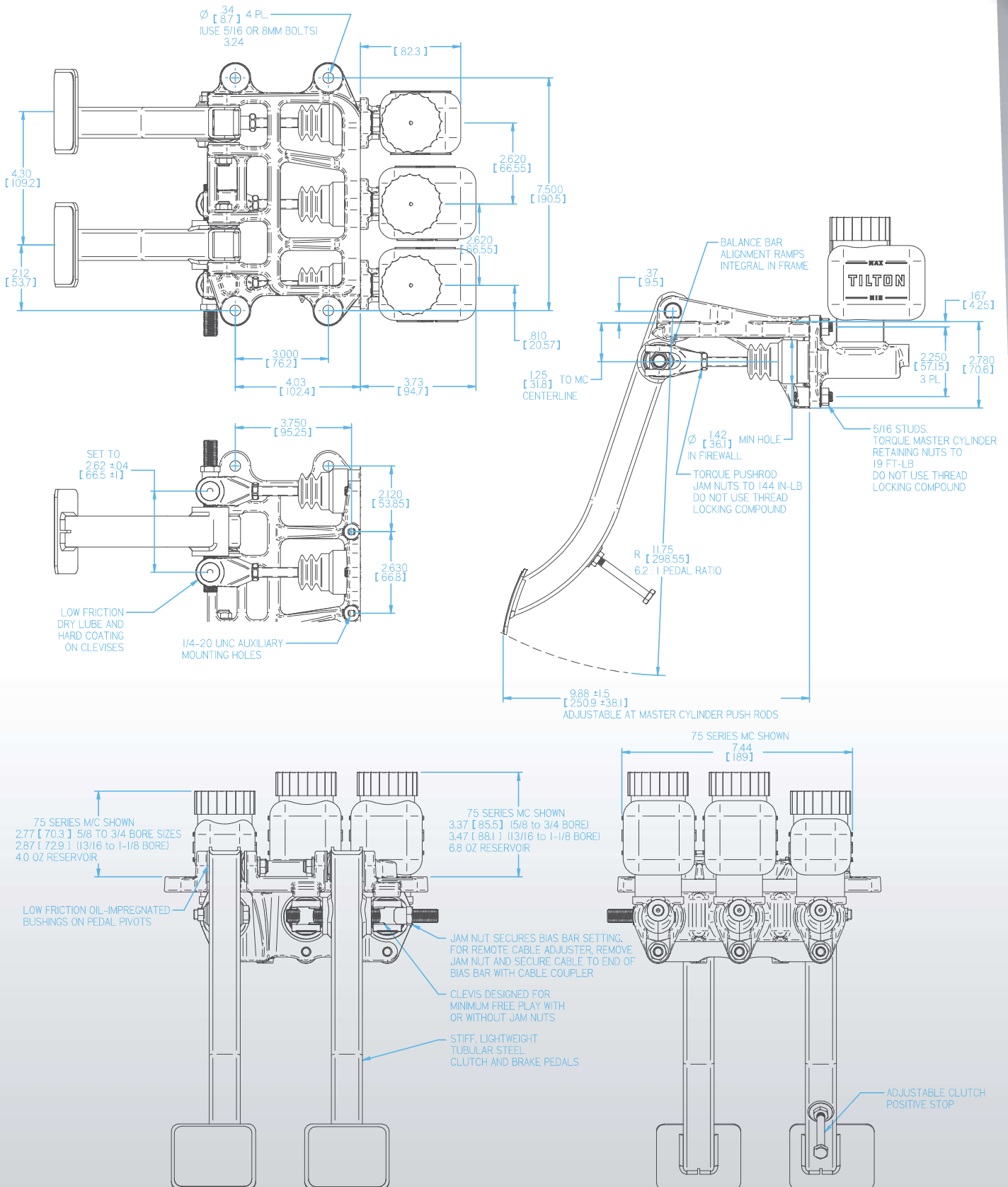
Adjustable clutch pedal stop prevents clutch over-stroking.

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* Does not include master cylinders

Detailed Pedal Information

Pedal assemblies do not include master cylinders



ALL DIMENSIONS ARE INCHES [MM]. Full Installation Drawings are available at www.tiltonracing.com

3-Pedal

Floor-Mount

900
series

Pedal Material:	Aluminum
Ratio:	Varies
Weight:	5.0 lbs (2.3 kg)
P/N:	72-903

Typical Applications

- Road Racing
- Endurance
- Open Wheel/Formula
- Off Road
- High Performance Street/Strip
- Circle Track
- Rally
- Drifting
- Time Attack



Pivot-mount master cylinders and fixed "gimbal-type" balance bar virtually eliminates the common problem of rear brake bias migration through the braking zone.



Billet aluminum pedal frame and pedals with adjustable foot pads and anti-slip surfaces.



7/16"-20 balance bar allows front/rear brake bias adjustments and maximum rigidity.



8 ratios available (4.52:1, 4.65:1, 4.78:1, 4.91:1, 5.32:1, 5.48:1, 5.63:1, 5.80:1), enabling the brake pedal to be tuned for driver preference without changing the master cylinder bore size.



Integrated angle limit in case of front or rear brake circuit failure. Longer clevis for increased front master cylinder stroke.



Adjustable throttle pedal stops limit pedal movement in both directions and adjustable clutch pedal stop prevents clutch over-stroking.

Throttle linkage kit

Mechanical type (shown): P/N 72-791

Drive-by-wire type: P/N 72-792*

* Designed for use with Penny & Giles TPS280DP family of sensors.



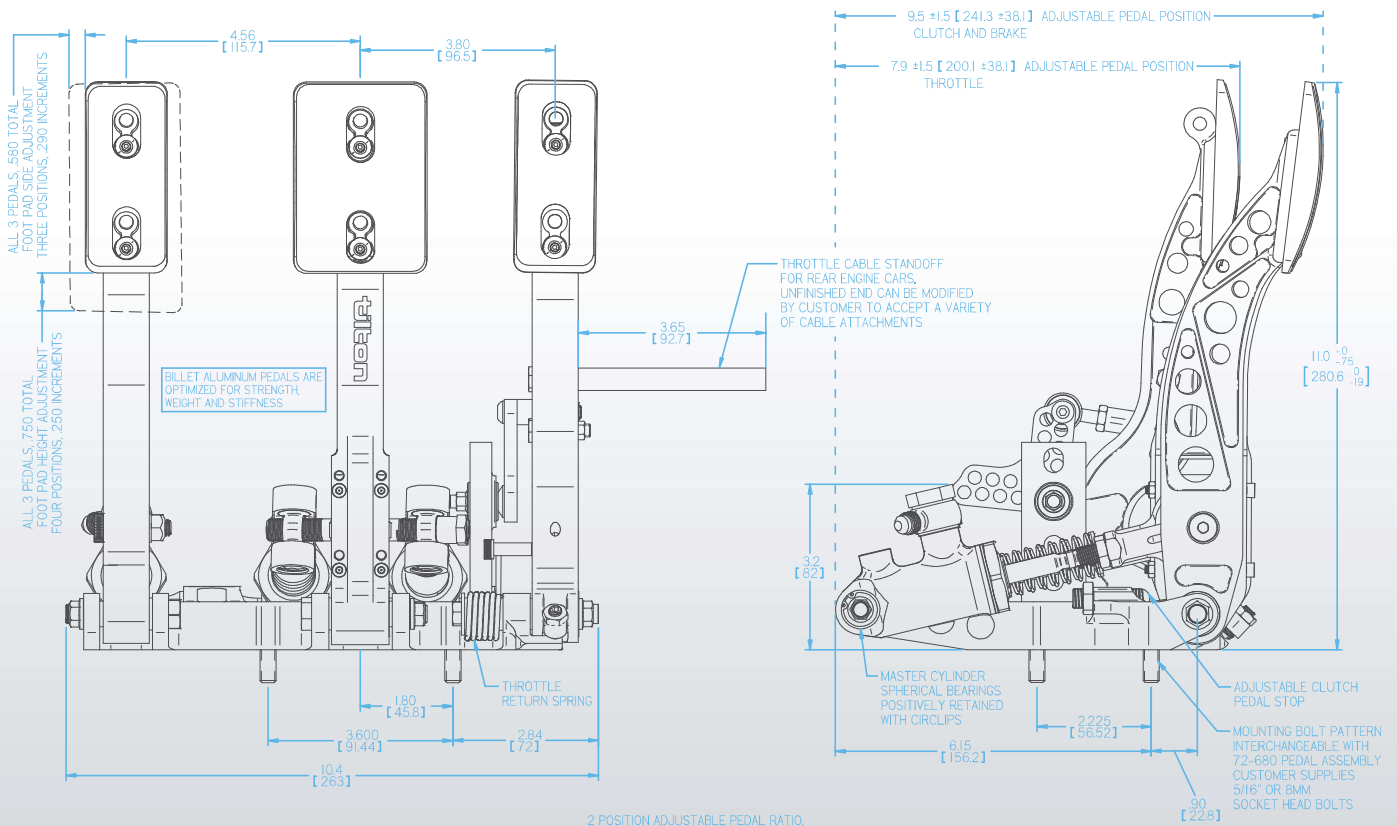
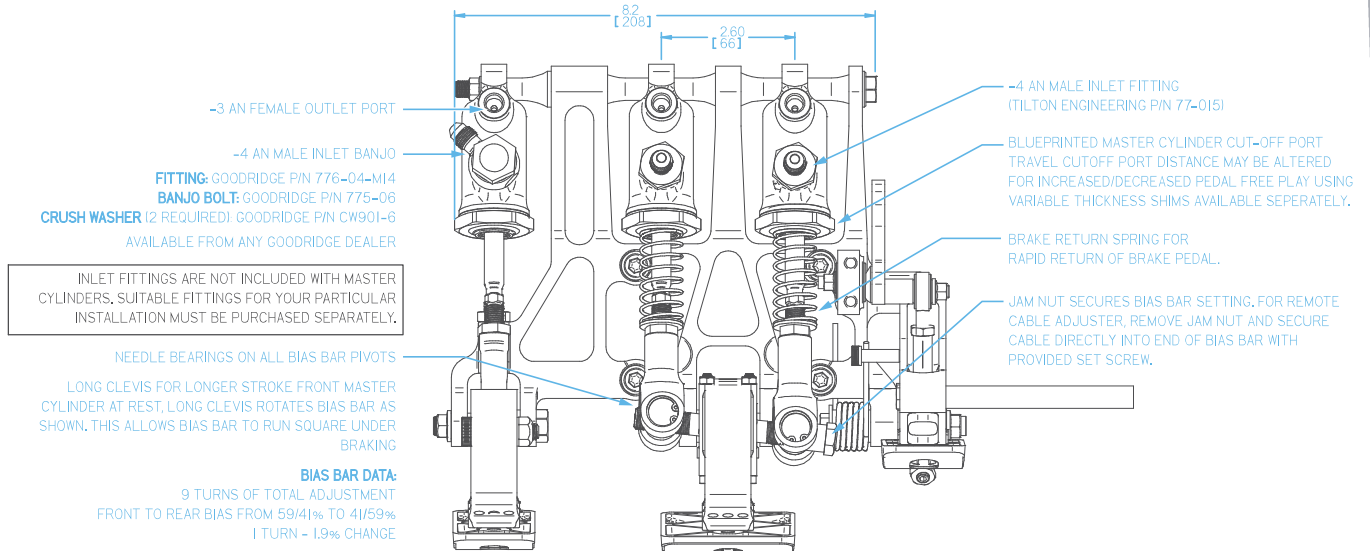
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900-Series Balance Bar	90

* Does not include master cylinders

Detailed Pedal Information

Pedal assemblies do not include master cylinders



PIVOT POSITION	FOOT PAD POSITION			
	low	med-low	med-hi	high
H	4.52	4.65	4.78	4.91
L	5.32	5.48	5.63	5.80

ALL DIMENSIONS ARE INCHES [MM]. Full Installation Drawings are available at www.tiltonracing.com

2-Pedal

Overhung-Mount

900
series

Pedal Material:	Aluminum
Ratio:	Varies
Weight:	4.4 lbs (2.0 kg)
P/N:	72-902

Typical Applications

- Road Racing
- Endurance
- Off Road
- High Performance Street/Strip
- Circle Track
- Rally
- Drifting



Pivot-mount master cylinders and fixed "gimbal-type" balance bar virtually eliminates the common problem of rear brake bias migration through the braking zone.



Billet aluminum pedal frame and pedals with adjustable foot pads and anti-slip surfaces.



7/16"-20 balance bar allows front/rear brake bias adjustments. 3 ratios achievable (6.2:1, 5.5:1, 4.7:1), enabling the brake pedal to be tuned for driver preference without changing the master cylinder bore size.



Integrated angle limit in case of front or rear brake circuit failure. Longer clevis for increased front master cylinder stroke.



Needle bearings utilized at all pedal pivots.



Adjustable clutch pedal stop prevents clutch over-stroking.

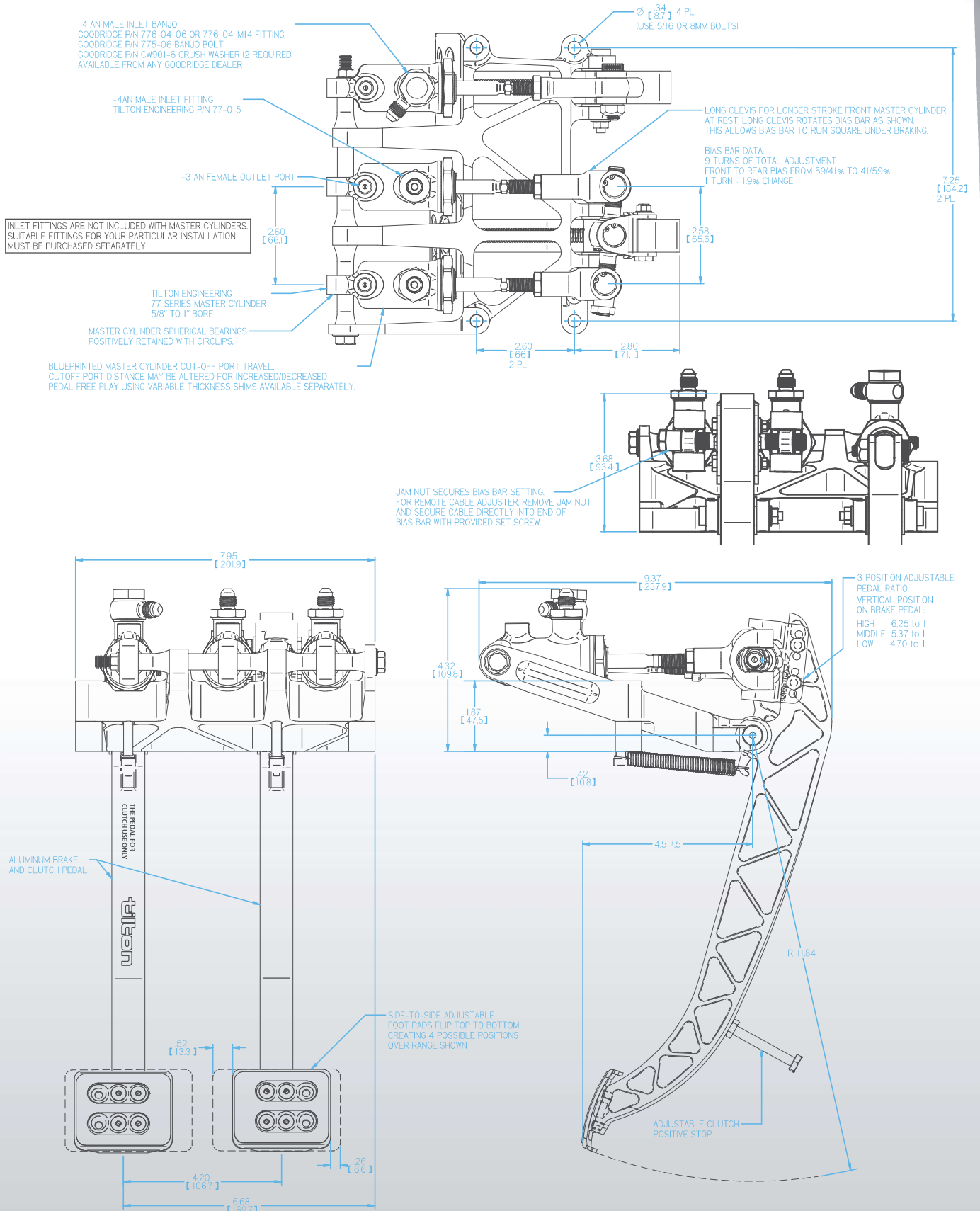
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900-Series Balance Bar	90

* Does not include master cylinders

Detailed Pedal Information

Pedal assemblies do not include master cylinders



ALL DIMENSIONS ARE INCHES [MM]. Full Installation Drawings are available at www.tiltonracing.com

2-Pedal

Firewall-Mount

900
series

Pedal Material:	Aluminum
Ratio:	Varies
Weight:	4.9 lbs (2.2 kg)
P/N:	72-901

Typical Applications

- Road Racing
- Endurance
- Off Road
- High Performance Street/Strip
- Circle Track
- Rally
- Drifting

Pivot-mount master cylinders and fixed "gimbal-type" balance bar virtually eliminates the common problem of brake bias migration through the braking zone.

Billet aluminum frame and clutch pedal with adjustable foot pads and anti-slip surface.

Billet steel brake pedal with adjustable foot pads and anti-slip surface (meets NASCAR rules).

7/16"-20 balance bar allows front/rear brake bias adjustments. 3 ratios achievable (6.2:1, 5.5:1, 4.7:1), enabling the brake pedal to be tuned for driver preference without changing the master cylinder bore size.

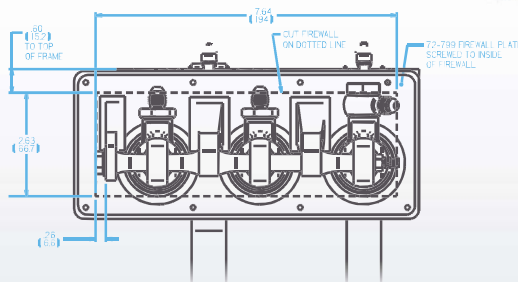
Needle bearings utilized at all pedal pivots.

Adjustable clutch pedal stop prevents clutch over-stroking.

Firewall Plate kit

Designed specifically for the 900-Series Firewall-mount pedal assembly, this plate creates a barrier between engine compartment and cockpit.

Firewall Plate: **P/N 72-799**



Optional Components

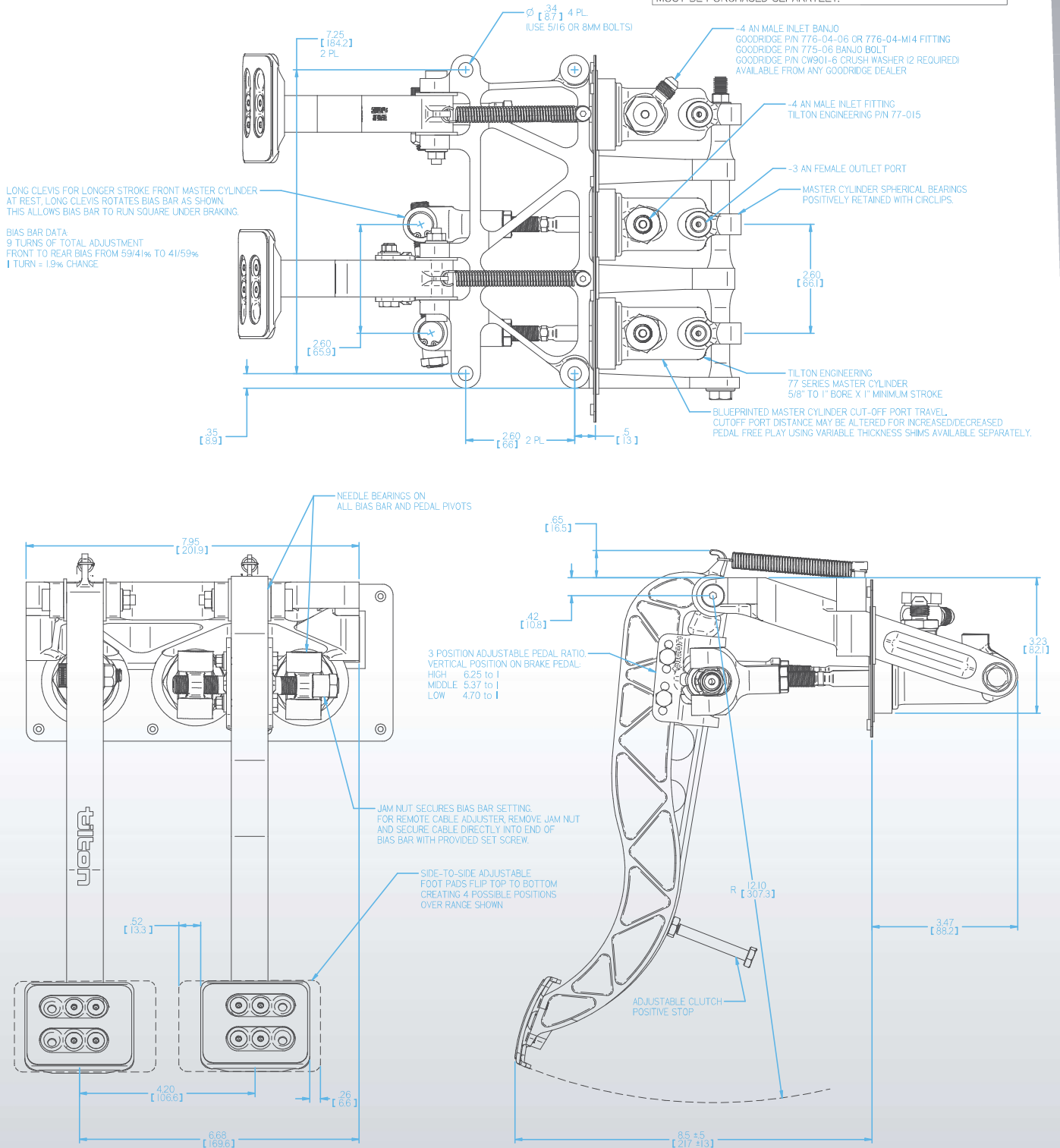
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900-Series Balance Bar	90

* Does not include master cylinders

Detailed Pedal Information

Pedal assemblies do not include master cylinders

INLET FITTINGS ARE NOT INCLUDED WITH MASTER CYLINDERS. SUITABLE FITTINGS FOR YOUR PARTICULAR INSTALLATION MUST BE PURCHASED SEPARATELY.



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