

Yella Terra Over 40 Years of Performance Innovation



From humble beginnings in the early 1960's "Dyno" Dave Bennett and his staff have built Yella Terra into Australia's leading manufacturer of roller rockers, performance cylinder heads and associated engine parts.

As a company, Yella Terra have always been committed to constant product improvement through motor sport involvement. From success in the early days of drag racing, to milestone developments in alloy head and roller rocker design, proven over millions of trouble free race kilometers in Australian touring car and circle track racing.



The success of Yella Terra has not been restricted to Australia, with Yella Terra's totally unique roller rocker designs proving an instant success when released in the USA during the early 1980's. In recent years Yella Terra Platinum series race rockers have developed a dedicated following amongst US race engine builders.



Yella Terra's expertise in product design and advanced CNC manufacturing techniques have earned the company a reputation as an efficient and reliable source for a large range of components required by the automotive industry.

Diverse manufacturing capabilities enable the company to offer the wide range of performance products listed in this catalogue. These include the world's largest range of extruded alloy roller rockers, steel flywheels and valve train components.

YellaTerra

Platinum Twin Shaft Rockers



The Platinum twin shaft race rockers were designed by Yella Terra in 1988 for long distance race applications regularly used above 8000rpm, in 600+ mile races.

They have proven totally reliable over many millions of miles of super speedway, road circuit, drag racing and marine competition.

Now available for most parallel valve race applications, each Intake and Exhaust rocker pair is joined by a shaft 22% larger in diameter than other brands. This combined with maximum width bearings provides greater rigidity, resistance to breakage and load carrying ability.

Each pair can be bolted directly to existing 7/16" stud mountings using two hi-tensile 7/16" through bolts supplied in the set.

The Twin Shaft design is totally stable and eliminates the need for screw in studs, guide plates and stud girdles.

They are simple to fit, quick and easy to remove and replace in the field. The rockers low profile will fit under most standard valve covers.

A wide of range of pedestal heights and spacer shims are available for geometry changes.

Chevrolet SB 23deg Twin Shaft

Cylinder Head Brand and Type	Part Numbers and Optional ratios			
FACTORY IRON 461-491	YT 6008	YT 6009	YT 6341	YT 6613
BOWTIE Iron & Alloy	1.55x1.55	1.6x1.6	1.6x1.5	1.65x1.55
BRODIX Track 1			.150" o/s inl	.150" o/s inl
DART, Dart II, Iron eagle				
EDELBROCK Victor Jr				
PRO TOPLINE Iron lightning				
WORLD Sportsman II, Conquest, SR Torquer				
all with 1.770" stud centres				
AFR 180-210	YT 6618	YT6619		
with 1.770" stud centres .250" o/s inlet	1.55x1.55	1.65x1.55		
AFR 227	YT 6615	YT 6616	YT 6617	
with 1.770" stud centres .200" o/s inlet	1.5x1.5	1.6x1.5	1.6x1.5	
BRODIX -8, -10, -10x, -11"	YT 6308	YT 6325	YT 6338	
BOWTIE Alloy	1.55x1.55	1.6x1.6	1.6x1.5	
with 1.810" stud centres				
CANFIELD Avenger	YT 6326	YT 6327		
PACIFIC HF- 197cc	1.55x1.55	1.6x1.6		
AFR 220				
WORLD Motown Hardcore				
with 1.770: stud centres .265" o/s inlet				
DART 220	YT 6622			
	1.6x1.5			
DART Pro1	YT 6620	YT 6621		
with 1.770" stud centres .275" o/s inlet	1.5x1.5	1.6x1.5		
PONTIAC / CHEV	YT 6342	YT 6340		
with 1.810" stud centres .275" o/s inlet	1.6x1.5	1.6x1.6		

Ford Windsor SB Twin Shaft

FORD factory iron (stud pads machined)	YT 6314			
	1.65x1.65			
PRO TOPLINE	YT6637			
	1.6x1.6			
AFR Alloy 302-351	YT 6610	YT 6611	YT 6612	
EDELBROCK Performer #6027 to #6031	1.6x1.6	1.65x1.65	1.7x1.7	
Performer RPM #6021 to #6026				
Victor Jr #7716 to 7719				
BRODIX Track 1	YT 6636			
	1.6x1.6			
DART Windsor jnr	YT 6323	YT 5021	YT 6324	
	1.6x1.6	1.65x1.65	1.7x1.7	
MOTORSPORT N351 Iron	YT 6606	YT 6607		
	1.6x1.6	1.7x1.6		

Pontiac Twin Shaft

EDELBROCK Performer RPM #6056	YT 6372	YT 6370	
	1.65x1.65	1.65x1.65	extra .250" inlet p/rod o/s

PLATINUM TWIN SHAFT rockers are notched to clear 1.550" dia springs
Designed to fit heads with normal machining for screw in studs

Platinum Single Shaft Rockers



The Platinum single shaft rocker system has been designed by Yella Terra to bring affordable shaft rocker technology to canted valve engines such as the Big Block Ford and Chevrolet.

The unique single shaft concept eliminates the problem of unsupported rocker weight in stud type systems without the need for stud girdles and guide plates. This design provides all the strength and rigidity of other expensive shaft systems, which still rely on one only 7/16" bolt to retain the rocker arm: the same single bolt mount used by Yella Terra!

Rocker misalignment and rotation common on single stud rockers is eliminated by the brilliantly simple installation procedure which incorporates dowel pins under each mount to keep rockers perfectly aligned with the valves under all operating conditions.

In many race classes shaft systems are banned. The single 7/16" hi-tensile through bolt mount meets the requirements of a single mounting yet still provides all the benefits of shaft systems.

SB Chev 23° Single Shaft

Cylinder Head Brand and Type Part Numbers and Optional ratios

	YT 6355	YT 6356	YT 6357
TFS TWISTED WEDGE HEADS	1.5	1.6	1.6x1.5
Also suits many applications where a single rocker arm is required by race regulations or design			

BB Chev Single Shaft

	YT 6317"	YT 6318*	YT 6319*
FACTORY CHEV 396 427 454 IRON & ALLOY BRODIX- 1,2	1.7	1.75	1.8

	YT 6603*	YT 6604*
CHEV. BOWTIE PERFORMANCE BRODIX 2X, 3,4 DART IRON EAGLE, PRO1, BB, BIG M, MERLIN EDELBROCK VICTOR JR WORLD MERLIN (Designed to suit extra long inlet valves)	1.7	1.75x1.7

Ford Windsor Single Shaft

	YT 6358	YT 6359	YT6353
TFS TWISTED WEDGE HEADS	1.6	1.65	1.7
Also suits many applications where a single rocker arm is required by race regulations or design			

Ford Cleveland & "M" Engine Single Shaft

	YT 6321*	YT 6322*
302C 351C 351M 400M	1.73	1.80

Ford Big Block Single Shaft

	YT 6321*	YT 6322*
A460, B460 TRICKFLOW 429-460 429-460 CJ & SCJ MOTORSPORT A429 COBRAJET ALLOY A460, B460 WILBURT A460 B460 ALLOY	1.73	1.80

All arms machined for clearance on 1.550" springs except
* machined for clearance on 1.650" springs

Yella Terra Extreme Duty Stud Rockers

As promoters implement stud rocker rules in more race series and cam designers continue to push the envelope in street and race grinds, the demands on stud roller rockers continue to get tougher.

For many years Yella Terra have manufactured Extreme Duty stud rockers for Australian race engine builders that have the same unique features as the Yella Terra platinum shaft rockers. Now the same advanced technology is available to US racers.

Every Yella Terra stud rocker set features our trademark oversize trunion and bearing system for far superior strength when using a 7/16" stud size and longer bearing life under high loading. The massively strong wide body aircraft grade 2024 alloy arms have direct bearing oiling and a natural finish, so strength is not compromised by anodizing.

The roller axles are made from silver steel for superior shear strength and feature a hidden circlip to eliminate the possibility of axle movement. Every set includes a set of posi-locks, precision machined in-house from heat treated high grade 4140 steel.

All popular applications and ratios are available ex stock.



Chevrolet Small Block V8 283 – 400

To Suit	Ratio	Stud Size	Part No.
Factory and aftermarket heads 3/8" studs	1.5:1	3/8"	YT 5000
	1.6:1	3/8"	YT 5019
Factory and aftermarket heads 7/16" studs	1.5:1	7/16"	YT 5001
	1.6:1	7/16"	YT 5002
Factory and aftermarket heads mixed ratio	1.5:1/1.6:1	7/16"	YT 5017

Chevrolet Small Block LT1 Rail type

Factory heads 3/8" studs	1.6:1	3/8"	YT 6608
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Chevrolet Big Block 396- 454

Factory and aftermarket heads	1.7:1	7/16"	YT 5003
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Ford Small Block Windsor V8

Factory heads 3/8" studs	1.6:1	3/8"	YT 5004
Factory and aftermarket heads 7/16" studs	1.6:1	7/16"	YT 5005

Ford Cleveland / Big Block V8

Factory and aftermarket heads 7/16" studs	1.7:1	7/16"	YT 5006
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Pontiac V8

Factory and aftermarket heads 7/16" studs	1.65:1	7/16"	YT 5010
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Yella Terra Ultralite Bolt On Rockers

Late model engines utilizing lightweight valve train components and conical springs are susceptible to valve float when some performance camshafts are used. This problem can be increased when using some older style heavy roller rocker designs.

Yella Terra have developed shaft and pedestal systems for these engines that have less than half the nose weight of other rocker designs through the use of ultra-lightweight rocker arms and rollers. The result is greater RPM potential without sacrificing strength or reliability. Standard and high ratio options are available.



GM 3800 V6 1987- on Buick, Chevrolet, Holden, Oldsmobile, Pontiac

To Suit	Rocker Type	Ratio	Stud Size	Part No.
231 Series 1	Pedestal Hydraulic	1.7:1	3/8"	YT 6656
	Pedestal Hydraulic	1.8:1	3/8"	YT 6657
231 ci from eng. No 1274843	Pedestal Hydraulic	1.7:1	5/16"	YT 6658
	Pedestal Hydraulic	1.8:1	5/16"	YT 6659
231 ci L36 & L67 supercharged	Pedestal Hydraulic	1.7:1	5/16"	YT 6649
	Pedestal Hydraulic	1.8:1	5/16"	YT 6650
	Pedestal Hydraulic	1.9:1	5/16"	YT 6651



GM LS1, LS2, LS6 Gen III Small Block Camaro, Corvette, Firebird, GTO, Holden

Factory and aftermarket heads	Shaft Hydraulic	1.7:1	8mm	YT 6645
	Shaft Hydraulic	1.8:1	8mm	YT 6646
	Shaft Adjustable*	1.7:1	8mm	YT 6638

Modified factory or aftermarket

Wide body Platinum race rocker	Shaft Adjustable*	1.7:1	7/16"	YT 6640
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* Requires rocker cover spacers Sold separately (pair) **YT 5123**

GM LS2, L76, L92, L98 Gen IV small block Corvette, GTO, Holden VE, SSR

Factory and aftermarket heads	Shaft Hydraulic	1.8:1	8mm	YT 6667
	Shaft Adjustable	1.8:1	8mm	YT 6654

GM LS7 427 ci Corvette C7

Factory and aftermarket heads	Shaft Hydraulic	1.8:1	8mm	YT 6670
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Yella Terra Modular Shaft Rockers

For some of the more unusual performance applications, Yella Terra have engineered unique modular shaft rockers that replace the original rocker system entirely. These shaft rocker systems offer the ultimate in strength and valve train stability for any high performance application.



British Leyland (BMC)

To Suit	Rocker Type	Ratio	Part No.
A Series Mini, Austin Healey	Shaft Adjustable	1.5:1	YT 6347
B Series MG-B	Shaft Adjustable	1.5:1	YT 6302

Chrysler Jeep Cherokee , Wrangler

4 cyl 2.5 liter 1982-02	Shaft Hydraulic	1.6:1	YT 6626
6 cyl 4.0 – 4.2 liter 1983-on	Shaft Hydraulic	1.6:1	YT 6627
	Shaft Hydraulic	1.7:1	YT 6628
	Shaft Adjustable*	1.6:1	YT 6328

* requires tall aftermarket rocker covers – not supplied

Ford 6 Cylinder Mustang, Falcon Integral intake manifold head 1960-on

144, 200, 221, 250 ci	Shaft Adjustable	1.65:1	ST 2014
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Ford Windsor V8 5.0, 5.8 EFI Mustang, F Series, Falcon (Australia)

Factory Heads, Ford SVO heads	Shaft Hydraulic	1.72:1	ST 2027
Factory Heads , Ford SVO Heads	Shaft Adjustable	1.72:1	ST 2028

Rover, Range Rover 3.5 and 4.2 litre V8

System for stock shafts (not included)	Shaft Adjustable	1.6:1	YT 6000
Super duty full cradle system	Shaft Adjustable	1.6:1	YT 6305

Steel Flywheels

Cast iron flywheels are prone to explosion. For safety reasons billet flywheels are now required equipment in most motorsport applications. All Yella Terra flywheels are precision CNC machined from a solid steel billet and fitted with an OEM quality ring gear.

They are available in a choice of standard and lightweight models. Some popular applications are also available in the new ultra lightweight reduced peripheral mass (RPM) designs that are effectively as light as alloy with the strength of steel. Yella Terra flywheels specs meet SFI spec 1.1.



Standard Weight



Light Weight



RPM Ultra Light

To Suit	Flywheel Type	Part No.
Chev.V8, 10.5"	Drilled for 10 1/2" diaphragm pressure plate neutral balance Gear dia. 326 mm 153 teeth weight 33 lbs	YT 9900
Chev.V8 10.5"	Lightweight version 28 lbs	YT 9900L
Chev.V8 10.5"	RPM Ultra Lightweight version 16.5 lbs	YT 9900RPM
Chev.V8, 11"	Drilled for 10 1/2" & 11" diaphragm pressure plate Neutral balance gear dia. 358 mm 168 teeth weight 33 lbs	YT 9901
Chev. V8 11"	Lightweight version 25.3 lbs	YT 9901L
Chev.V8, Marine	Special lightweight flywheel for marine applications neutral balance. Gear dia 326 mm 153 teeth weight 15.4 lbs. Not suitable for Soft Clutch applications.	YT 9906
Chev V8	Counterbalanced suits circle seal 33 lbs	YT 9907
Chev V8	Lightweight version as above 24.6 lbs	YT 9907L
Chev.V8	Counterbalance plate for externally balanced small & big block engines. Bolts between crank & flywheel or converter plate.	YT 9920
Chev LS1 V8	Gen III engine 23.6 lbs	YT9910
Chev LS1 V8	RPM Ultra Lightweight version 14.3 lbs	YT9910RPM
Ford V8, C & W 11"	Drilled for twin plate, 11" long style & 11" diaphragm pressure plates, counter balanced Gear dia. 360 mm, 164 teeth 26.4 lbs	YT 9902
Ford V8, C & W 11"	Lightweight version 23.7 lbs	YT 9902L
Ford V8, C & W 11"	Neutral balance - otherwise all details as above	YT 9902N
Ford W. 5.0LT	Drilled for 10.4" diaphragm and 10.5" long type clutches, Gear dia. 336 mm 157 teeth weight 23 lbs	YT 9909
Ford W. 5.0lt	Lightweight version 18.7 lbs	YT 9909L
Ford W 5lt & OHC 6	Neutral balance - otherwise all details as above	YT 9909N
Ford W 5lt & OHC 6	Neutral balance Lightweight - otherwise all. Details as above	YT 9909NL
Ford Modular V8	4.6 and 5.4 with 8 bolt crank 25.4 lbs	YT 9914

Clutches

Yella Terra performance clutches deliver the perfect balance between smooth, shudder free operation and clamping force capable of handling 500 horsepower plus in high performance street machines. The Yella Terra clutch features the latest technology cushioned ceramic clutch friction surfaces for long service life even in the most punishing applications.

Every clutch is sold as a complete package with your choice of standard weight or lightweight billet steel flywheel precision balanced at the factory for safe, smooth installation at high RPMs.



Chevrolet Corvette LS6 5.7 liter, LS2 6.0 liter LS7 427 ci

Clutch Type	Diameter	Flywheel Weight	Part Number
Clutch package Std weight	12 inch	23.65 lbs	YT 2002NSSCC
Clutch package lightweight	12 inch	14.3 lbs	YT 2002LSSCC

GM F Body Camaro, Firebird, GTO liter, LS2 6.0 liter	LS1 5.7
Clutch package Std weight	12 inch 23.65 lbs YT 2002NSSCC
Clutch package lightweight	12 inch 14.3 lbs YT 2002LSSCC

Supercharger upgrades GM 3800 V6

The Pontiac 3800 L67 supercharged V6 is a popular platform for performance modification and Yella Terra manufacture supercharger power upgrades that are both effective and visually appealing.

The Yella Terra supercharger cover assembly features a billet alloy snout and new cast alloy cover precision engineered to easily replace the factory cover. A variety of pulley diameters are available to vary supercharger boost and these are secured to the drive by 4 cap screws to allow quick pulley changes without specialized tools.



GM Pontiac L67 Grand Prix 3800 V6 supercharged engine.

Description	Pulley Dia.	Part Number
Supercharger cover and CNC alloy snout	3.4"	YT 1500-KIT
Supercharger bolt on pulley 3.4"	3.4"	SC 1587
Supercharger bolt on pulley 3.2"	3.2"	SC 1582
Supercharger bolt on pulley 3.0"	3.0"	SC 1577
Supercharger bolt on pulley 2.9"	2.9"	SC 1574
Supercharger bolt on pulley 2.8"	2.8"	SC 1571
Supercharger bolt on pulley 2.6"	2.6"	SC 1567
Supercharger bolt on pulley 2.5"	2.5"	SC 1564
Supercharger bolt on pulley 2.4"	2.4"	SC 1561
Supercharger bolt on pulley 2.2"	2.2"	SC 1556