



# WATERFORD 2005

## YOUR AMERICAN DREAM BIKE

*Gary Doering, leader of Team Mack and winner of Chicago Sports Grand Prix 45+ category, eagerly sets up for the sprint.*



All Waterford frames are proudly built in Waterford, Wisconsin, USA.

It's about you. It's about your dreams, your aspirations and your desires for that perfect bike.

Waterford offers a full range of compelling designs for the road, paths, streets and trails. These designs reflect decades of service to almost every kind of rider from entry-level fitness buffs to world-championship competitors. Add in our capability to adapt these designs for your specific needs and you get more than just a bike. You get a true investment in your cycling life.



# WATERFORD TECHNOLOGY



*This hand-carved work combines craftsmanship and performance. The lugs match a 1950's English design, yet it has the same high-tech steel alloys found on all Waterfords.*

Waterford offers a range of technologies based on its leadership in the use of air-hardening steels, a significant advance over traditional steels due to improved strength and elongation properties. Utilizing materials such as aluminum, composites, and titanium to lower frame weight often compromise or sacrifice various properties in favor of others. Waterford's custom drawn air hardening steel alloy tubes set the standard for bicycle tubing; balancing all the factors needed to assure an outstanding ride - low weight, strength, durability, and stiffness.

<p><b>33-Series</b> True Temper S3 Technology</p>	<p>S3 technology has changed the attitude of every rider who's owned one. With both lightness and stiffness, the 33-Series offers a lively ride and quick acceleration.</p>
<p><b>22-Series</b> Lug-Brazed OS</p>	<p>The technology that built Waterford's reputation, the 22-series offers a blend of performance and smoothness as only lug-construction can provide.</p>
<p><b>14-Series</b> TIG-Welded OS2</p>	<p>The economical custom. We packed these designs with our new OS2 tubeset, stainless dropouts and brazed seat cluster.</p>

## WATERFORD FIT

Good fit accomplishes more for your performance than any other single factor. Waterford now offers made to measure services on all Waterfords. We factor in the your strength, dimensions and riding preferences to create the ideal bike for you.

Our network of dealers plays an important role through fitting tools like our Fitmaster™ sizing machine, Fit Kit™ measurement and evaluation tools. Body measurements alone cannot substitute for the interactive fitting session where each rider benefits from the observations, training and wisdom of a professional bike fitter.



## WATERFORD DESIGN

Whether you are a world-class competitor or an every-day enthusiast, our goal is to match each design with your specific needs. Waterford has established a series of stock designs from full competition models to cross-continent touring bikes plus specialty designs. These platforms serve as the starting point for what works for you. With your Waterford order you get a range of options including:

- ✓ A wide range of cable routings.
- ✓ Fender eyelets and rack mounts.
- ✓ Brake systems and drive trains.
- ✓ Forks - both composite designs from Reynolds and Alpha-Q as well as Waterford-built custom steel forks.
- ✓ The S&S coupler system, making your Waterford a travel bike!



*Example of S&S couplers, which let you make your Waterford an ideal travel bike.*



# STOCK DESIGNS

## ROAD RACE



Our road racing frameset represents decades of advances and careful refinements. It balances the need for minimum weight, maximum stiffness and rider comfort while offering the rider highly responsive handling. The R-33 with S3 technology is taking over the racing scene throughout the country.

Size (Theo)	500	520	530	540	550	560	570	580	590	600	620	640
Wheel	700c	700c	700c	700c	700c	700c	700c	700c	700c	700c	700c	700c
Seat Tube (C-Top)	450	460	470	480	490	500	510	520	530	540	560	580
Seat Tube (C to C)	430	440	450	460	470	480	490	500	510	520	540	560
Horizontal Top Tube	515	530	540	550	555	560	565	570	575	580	590	600
Top Tube (C to C)	497	514	526	537	542	547	552	556	561	566	576	586
Head Length	112	112	112	117	125	134	144	153	163	173	191	211
Head Angle	72.0	73.0	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
Fork Rake	45	43	43	43	43	43	43	43	43	43	43	43
Trail	61	58	58	55	55	55	55	55	55	55	55	55
Seat Angle	75.0	75.0	74.5	74.5	74.0	73.5	73.5	73.0	73.0	73.0	72.5	72.5
Front Center	571	576	582	581	581	581	586	586	593	598	602	611
C/S Length	405	405	405	405	405	405	405	410	410	410	415	415
Wheelbase	966	971	977	976	976	976	981	986	993	998	1007	1016
Drop	70	70	70	70	70	70	70	70	70	70	70	70
Standover	741	747	751	757	765	774	783	791	801	811	828	847

Models: R-33, 2200, R-14

## ROAD SPORT



The Road Sport Series adapts our legendary road race design for added comfort and easy steering. Low weight and a unique combination of strength, suppleness and superb fit come together in a machine that allows the rider to efficiently soak up road miles.

Frame Size	480	500	520	540	560	580	600	620	640	660	680
Wheel	650	700	700	700	700	700	700	700	700	700	700
Seat Tube (C to C)	466	486	506	526	546	566	586	606	626	646	666
Hor. Top Tube	500	515	530	550	560	570	580	590	600	610	620
Actual Top Tube	500	509	529	550	560	570	580	590	600	610	620
Head Length	116	98	98	110	129	148	168	186	206	226	246
Head Angle	72	72	73	73	73	73	73	73	73	73	73
Fork Rake	40	50	45	42	42	42	42	42	42	42	42
Trail	59	61	60	60	60	60	60	60	60	60	60
Seat Angle	75	75	75	74	74	73	73	73	73	73	73
Front Center	555	579	582	585	591	596	606	610	620	630	639
C/S Length	410	420	420	420	425	430	430	430	430	430	430
Wheel-base	961	987	990	994	##	##	##	##	##	##	##
Drop	45	75	75	75	75	75	75	75	75	75	75
Standover	730	755	769	784	802	820	839	857	876	895	914

Models: RS-33, RS-22, RS-14

## SPORT TOURING



The Sport Touring Series serves those seeking a lightweight design and comfortable, stable road ride for distance riding, light touring and commuting.

Size	480	500	520	540	560	580	600	620	640	660	680
Seat Tube (C Top)	470	490	510	530	550	570	590	610	630	650	670
Seat Tube (C to C)	456	476	496	516	536	556	576	596	616	636	656
Wheel Size	26"	700	700	700	700	700	700	700	700	700	700
Theoretical TT	500	515	530	550	560	570	580	590	600	610	620
Head Tube Length	114	98	98	108	127	145	165	184	204	224	244
Head Angle	72	71	72	73	73	73	73	73	73	73	73
Rake	45	53	47	45	45	45	45	45	45	45	45
Trail	58	61	61	60	60	60	60	60	60	60	60
Seat Angle	75	75	75	74	74	73	73	73	73	73	73
Chainstay Length	420	430	430	430	430	435	435	435	435	435	435
Drop	50	80	80	80	80	80	80	80	80	80	80
Wheelbase	978	##	##	##	##	##	##	##	##	##	##
SO Height (mm)	729	752	765	780	798	816	835	852	871	891	910

Models: RST-33, RST-22, RST-14

## ADVENTURE CYCLE



The Adventure Cycle Frameset offers riders a rugged chassis and rock-steady handling to support a wide range of uses from cross-continent unsupported tours to commuting around town. It's ideal when you need to carry lots of cargo.

Frame Size	480	500	520	540	560	580	600	620	640	660	680
Wheel	26"	26"	700	700	700	700	700	700	700	700	700
Seat Tube C-Top	455	475	495	515	535	555	575	595	615	635	655
Seat Tube C-Top	441	461	481	501	521	541	561	581	601	621	641
Actual Top Tube	488	508	526	536	546	555	565	575	585	595	600
Head Length	115	135	106	121	137	155	173	193	214	234	254
Head Angle	72	72	72	72	72	72	72	72	72	72	72
Fork Rake	43	43	50	45	45	45	45	45	45	45	45
Trail	62	62	64	64	64	64	64	64	64	64	64
Seat Angle	75	75	75	75	74	73	73	73	73	73	73
Front Center	561	582	604	606	607	607	612	622	632	642	647
C/S Length	430	430	445	445	445	445	445	460	460	460	460
Wheel-base	986	##	##	##	##	##	##	##	##	##	##
Drop	49	49	80	80	80	80	80	80	80	80	80
Standover	733	752	775	794	810	827	844	863	882	902	921

Models: 1900, T-14

## SPECIALTY DESIGNS

Learn more about these designs at [waterfordbikes.com](http://waterfordbikes.com).



CYCLOCROSS



TIME TRIAL/  
TRIATHLON



TRACK/FIXED  
GEAR



DIVA/  
STEPTHROUGH



# STYLING

No one buys a fine bike just for the paint job. The quality of Waterford's finishes match the quality of the frame underneath. Our finishes in fact start with the quality of our metal finishing and follow through to the buffing job on the clearcoat. Every Waterford gets special handling including:

- √ Phosphatizing surface preparation.
- √ Tough polyurethane primer
- √ Show-car base and top coats. Waterford offers hundreds of color choices using PPG top quality Concept paint systems.
- √ Your choice of over a dozen decal color combinations.
- √ Extra-hard polyurethane clearcoat over decal.
- √ Hand-buffing before shipment.



## SPECIAL EFFECTS

Make your Waterford a unique statement about yourself. Waterford offers an astounding array of classic and unique special effects. Some special effects, like Waterford's Harlequin and Luminescence Series, must be seen to be believed. Here's a sampling of other special effects.

**Fades:** Waterford offers a wide variety of fades with two and three or more colors.

**Flades:** Our unique Flade jobs combine the classic fade with flames.

**Lightning Bolts:** Electrify everyone oggling your bike with this fun theme.



**Wings:** Part art deco, part patriot, our Wings mask lets you create a wide range of looks.

**Marble:** Give your bike texture with marble texturing over your bike.



## SPECIAL SERVICES

Whether it's just a name or a true exercise of your imagination, Waterford's broad array of resources brings your ideas to life. Whether it's pinstriping, names, special decals and artwork, creative themes or any styling dream, you can rely on Waterford to find a way to express yourself.

*Larry Moore*

Sample name personalization.

## REFINISHING SERVICES

Waterford recognizes your long-term investment in your Waterford and provides complete repair and restoration services for your Waterford, Gunnar and Schwinn Paramount. Waterford also re-finishes a number of fine brands including Raleigh, Colnago, Eddy Merckx, Kestrel, Bianchi and many others. Our services include complete period decals for Paramounts going all the way back to the 1930's plus period decals for many other brands.

Refinish services include quality chemical stripping (preserving any chrome plating) plus the quality finish provided on today's Waterfords.

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For more information and photos, visit [waterfordbikes.com](http://waterfordbikes.com)