

**TOYO TIRES**  
[www.toyo.co.uk](http://www.toyo.co.uk)



# Car Tyre Brochure

**TOYO TIRES**

[www.toyo.co.uk](http://www.toyo.co.uk)  
Tel 01933 411144

# Toyo Tires: our mission

Toyo's mission is simple: to bring you the best performing tyres in the world and it's a quest we take very seriously.

Every year we spend millions on research and development utilising the most sophisticated technology in the industry and the results speak for themselves. Toyo bring you premium brand tyres that are the best in the wet-bar none!

Legendary handling, precise steering response and progressive breakaway characteristics are only possible from single minded development with real drivers in mind.

We don't compromise so when you buy a Toyo tyre you are buying into our obsession with quality.

You will find our whole range in this brochure or you can log on to [www.toyo.co.uk](http://www.toyo.co.uk) for up to the minute information online.



## Toyo life

### 04: PHILOSOPHY

The ultimate connection between mind, tyre and driving response.

### 06: TOYO.CO.UK

For up to date information on the Toyo world.

### 07: TOYO LIFESTYLE-CLOTHING

Whatever the season, the Toyo Collection of branded clothing will have something stylish for you.

### 08: MOTOR RACING

In the tough world of motorsport Toyo tyres have the power to win championships and set records.

### 12: ORIGINAL EQUIPMENT

Some of the world's most prestigious car makers fit Toyo tyres as standard and here's why.

## Toyo Tires

### 14: MOTORSPORT

For a road legal track day tyre which gives maximum performance, Toyo's Proxes R888 won't let you down.

### 16: ULTRA HIGH PERFORMANCE

For a world dominated by speed, style and stunning good looks, Toyo offers the ultimate in high performance tyres for your car. Look no further than Toyo's performance tyres.

### 18: PREMIUM PERFORMANCE

When grip and control are of paramount consideration, Toyo's Premium range will satisfy your needs.

### 22: WINTER TYRES

Winter can do its worst, but when your car is fitted with Toyo's Winter tyres, you're always in control.

### 24: 4X4 TYRES

However you use your off-roader, there's a Toyo tyre perfectly suited to your needs.

### 30: VAN TYRES

When your delivery absolutely, positively has to get there on time, you can rely on Toyo van tyres.

## Toyo tech

### 32: TYRE SAFETY

Just like everything else on your car, tyres need regular maintenance-here's what to do and why.

### 34: TYRE TECHNOLOGY

Details of the sophisticated technology that puts Toyo in the forefront of tyre design and development.

### 36: FITTING LOWER PROFILE TYRES

It can be a nightmare swapping your standard wheels and tyres for some sportier low-profile items, but not when you consult Toyo's easy-to-use conversion table-just follow the instructions to see what fits.

### 38: TRACK DAYS

### 39: CONTACT DETAILS

# Toyo philosophy: mobility & amenity

Mobility and amenity are Toyo's core values. With tyres to take you safely and comfortably into places you never imagined, you might think that was enough. Not for Toyo.



At Toyo, the experience has also got to be as good as it can, which is why every tyre is produced with the driver in mind.

From flowing curves to flowing water, every terrain can be tackled with a Toyo Tyre. The connection between tyre and driver is maintained even when the going gets tough.



visit:  
**www.toyo.co.uk**

for product information, news releases, technical information, motorsport information, competitions and to order clothing from the lifestyle range.

All the latest news about Toyo is available and updated regularly.

The most popular area of the site is the Dealer Locator which gives access to the Toyo network of Key Dealers. Entering a postcode or town is all that is needed to find a selection of local dealers listed in order of how close they are.

Visitor numbers continue to grow strongly each year as the popularity of Toyo increases. With so much on there, it's no wonder it's becoming one of the most visited tyre manufacturer sites on the Internet.

Visit [www.toyo.co.uk](http://www.toyo.co.uk) today.



**product information**

**news releases**

**technical information motorsport**

**information**

**competitions**

**lifestyle range**

## the Toyo collection:

Exciting, practical and well made, the Toyo Collection of branded clothing has something for everyone, whatever the season.



**baseball cap**  
Black with a grey suede peak, the baseball cap is 100% heavy brushed cotton.



**fleece**  
Black heavyweight fleece, half zip with grey detail on the collar, two zip pockets and a drawcord at the bottom.  
sizes: s-xxl



**v neck t-shirt**  
Classic T-Shirt in black 100% cotton, with grey contrast trim at the V neck.  
sizes: s-xxl



**reversible fleece**  
The grey polar fleece can be worn as a lining to the showerproof black jacket. When the jacket is not required it can be reversed to give a stylish fleece outer layer.

## how to order:

You want to get your hands on some of our fantastic clothing range, so how do you go about ordering?

It's simple, just call our Hotline on **01933 411144**

Toyo are proud to be the chosen control tyre for several Championships throughout 2010, including sprint and hill climb championships. These are...



MaX5 Championship.



Toyo Tires Westfield Sports Car Club Speed Series.



Production BMW Championship.



UBS Aston Martin Owners Club Championship.



Jaguar Enthusiasts Club Toyo Tires XJS Championship.



Tiger Championship.



Toyo Tires Golf GTI Championship.

We are also the chosen control tyre for the following championships:

- BARC Chevron GR8 Challenge
- BRSCC Porsche Championship
- Toyo Tires TVR CC Speed Championship
- Toyo Tires Midland Speed Championship
- BRSCC Alfa Romeo Championship
- 750MC Toyota MR2 Championship
- Toyo Tires Racing Saloons Championship



TIME ATTACK

Toyo are official sponsors of the first Time Attack Series in the UK. The finest professionally tuned vehicles in the UK will battle it out to see just who is the quickest on circuit and under pressure.

drag racing

TOYO TIRES are a main lane sponsor for the famous quarter mile drag strip at Santa Pod Raceway, the home of European Drag Racing. We are delighted to continue our already established successful relationship with Santa Pod.

motor racing:



motor racing:



### world record holding tyres

Toyo Tires continue to hold on to the title of 'Fastest SUV in the World' after beating their previous record of 282 km/h. Using a Porsche Cayenne Turbo fitted with Proxes S/T and prepared by Swiss tuning company SPORTEC, Toyo tyres broke the World Speed record for an SUV at Germany's High speed oval course, the ATP-Automotive Testing Papenburg. The Porsche Cayenne reached an amazing 308.435 km/h, which equates to 191.65 mph!

The Proxes S/T range was specifically selected for its ability to deliver a powerful combination of superb handling, confident performance and smooth, assured stability.

original equipment:  
**those in the know**  
choose **Toyo**

## Audi

Audi choose Toyo Tires for their latest S6 model. The new 265/35 ZR 19 98Y Proxes T1-AO will be fitted to the updated 5.2litre V10 Audi S6 to give drivers the ultimate performance driving experience. This exclusive model, fitted with Toyo Tires, will be available worldwide in European, US and Asian markets.

With four wheel drive and 441ps, the Audi S6 needed the very best tyres. To give the car the freedom it deserves to be driven enthusiastically, Toyo Tires were challenged to improve upon the performance of the existing OE tyres. With improved wet and dry handling, better braking and cornering and incredibly precise steering characteristics, the new Proxes T1-AO meets the needs of Audi as the ultimate high performance tyre.

Toyo Tires continuously improves its technology, focusing its new product development to exceed the requirements of the World's most demanding carmakers.



Audi S6  
Proxes T1-AO: 265/35 ZR 19 98Y

## Other Toyo Partners

Of course Audi isn't alone in considering Toyo tyres the ideal match for its production cars. Here are a few of the other prestige car makers that appreciate the dynamic excellence inherent in every Toyo tyre.



MAZDA 5-TAJ48  
205/55 R16

FARBIO-PROXES T1-R  
F:225/40 19 R:285/35 19

MAZDA PREMACY-TRANPATH TA23  
195/55R15

NISSAN X-TRAIL-TRANPATH TAA14  
215/70R15

TOYOTA RAV4 -TRANPATH TAA14  
215/70R16  
OPTIONAL-TRANPATH TAA11  
235/60R16

INVICTA-PROXES T1-R  
F: 225/35 19 R: 275/35 19



**true grip on the track**

Fast on the track, the road legal Proxes R888 is the most sophisticated track day tyre offering maximum performance. Proxes R888 boasts an outstanding handling compound which delivers optimum results in the dry and wet. The medium hard compound performs significantly better than most soft compound tyres.

The improved performance over the other soft compound track tyres stem from the advanced casing design developed by Toyo's motorsport team and the sophisticated compounds employed.

The Proxes R888 is available in a range of sizes and this is growing to encompass even more popular fitments. Latest additions will be added to the website on [www.toyo.co.uk](http://www.toyo.co.uk).

Testing has been conducted at Toyo's own proving ground in Japan as well as the UK to ensure the tyres perform well in more familiar conditions.

Some road legal track tyres have to provide warnings about their use in the wet. Whilst not designed as a wet tyre, the Proxes R888 out performs other track tyres here too. If there is a deluge after a day's track action, drivers can rely on its performance to get home on public roads.



**Caution:** Careful attention is required on wet conditions due to limited aquaplaning capabilities. As this tyre is produced with special design and compounds for competitions, no warranty is applied.

**PROXES R888**

WHEEL SIZE	LOAD INDEX SPEED	TREAD COMPOUND	OVERALL DIA. (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	REVS PER MILE	WEIGHT (KG)	PERMITTED RIM (INCH)
<b>13"</b>								
185/60 R	80V/H	GG/GGG/SG	549	188	250	961	7.9	5.0-6.5
205/60 R	86V/H	GG/SG	573	209	260	921	8.7	5.5-7.5
225/45 R	84V	GG	529	223	243	997	8.1	7.0-8.5
<b>14"</b>								
185/60 R	82V	GG	574	188	263	919	8.2	5.0-6.5
205/55 R	85V	GG	579	213	265	911	8.9	5.5-7.5
225/50 R	89V	GG	580	235	265	910	9.5	6.0-8.0
<b>15"</b>								
195/55 R	85V	GG	592	203	273	891	9.1	5.5-7.0
165/50 R	72V	GG	546	163	255	966	6.5	4.5-6.0
195/50 R	82V	GG/GGG/SG	574	203	266	919	8.8	5.5-7.0
205/50ZR	86W/V	GG/GGG/SG	584	216	270	903	9.0	5.5-7.5
215/50ZR	88W	GG	594	228	274	888	10.2	6.0-7.5
225/50ZR	91W	GG	603	230	277	875	9.9	6.0-8.0
235/50ZR	94W	GG	614	245	281	859	11.1	6.5-8.5
225/45ZR	87W	GG	579	227	268	911	9.1	7.0-8.5
<b>16"</b>								
205/55ZR	90W	GG	628	213	290	840	10.2	5.5-7.5
195/50 R	84W	GG/SG	599	203	278	881	9.3	5.5-7.0
215/50ZR	90W	GG	619	228	286	852	10.5	6.0-7.5
225/50ZR	92W	GG	628	235	290	840	10.9	6.0-8.0
255/50ZR	99W	GG	657	269	301	803	12.3	7.0-9.0
225/45ZR	89W	GG/GGG/SG	605	228	281	872	9.4	7.0-8.5
245/45ZR	94W	GG	621	248	287	850	10.8	7.5-9.0
<b>17"</b>								
215/45ZR	91W RF	GG/SG	624	216	291	846	10.2	7.0-8.0
225/45ZR	94W RF	GG/GGG/SG	634	231	295	832	11.1	7.0-8.5
235/45ZR	93W	GG	643	242	298	821	11.0	7.5-9.0
205/40ZR	84W RF	GG/SG	598	212	281	882	8.8	7.0-8.0
235/40ZR	90W	GG	625	243	291	844	10.6	8.0-9.5
245/40ZR	91W	GG	627	250	292	842	11.3	8.0-9.5
255/40ZR	94W	GG	638	265	296	827	12.0	8.5-10.0
275/40ZR	98W	GG	652	280	302	809	13.0	9.0-11.0
315/35ZR	102W	GG	650	320	301	812	13.7	10.5-12.5
<b>18"</b>								
225/40ZR	92Y	GG/SG	638	224	299	827	10.5	7.5-9.0
235/40ZR	91Y	GG	648	244	303	814	11.3	8.0-9.5
245/40ZR	93Y	GG	653	250	305	808	11.8	8.0-9.5
275/40ZR	99W	GG	678	279	315	779	13.4	9.0-11.0
255/35ZR	94Y RF	GG	637	260	299	828	11.7	8.5-10.0
265/35ZR	97Y RF	GG	646	274	302	817	12.4	9.0-10.5
275/35ZR	99YRF	GG	652	280	305	809	12.6	9.0-11.0
285/30ZR	97Y RF	GG	631	288	296	836	12.7	9.5-10.5
295/30ZR	98Y RF	GG	637	299	299	828	13.2	10.0-11.0
315/30ZR	98Y RF	GG	648	318	303	814	13.8	10.5-11.5
335/30ZR	102Y	GG	660	338	308	799	14.7	11.5-12.5
<b>19"</b>								
235/35ZR	87Y	GG	652	240	307	809	11.3	8.0-9.5
265/30ZR	93Y RF	GG	645	270	305	818	12.0	9.0-10.0
295/30ZR	100Y RF	GG	661	298	311	798	13.3	10.0-11.0
305/30ZR	102Y RF	GG	673	305	316	784	14.0	10.5-11.5
<b>20"</b>								
285/35ZR	(100Y)	GG	*	*	*	749	15.0	9.5-11.0
315/30ZR	(101Y)	GG	*	*	*	754	15.2	10.5-11.5

**COMPOUNDS**

- GG = MEDIUM HARD
- GGG = SOFT
- SG = SUPER SOFT/WET





# premium: performance



## PROXES

Proxes 4 is the new stylish UHP tyre intended for drivers who seek the ultimate in sports performance but where appearance matters.

Offered in a range of key UHP sizes, from 15" to 20", the Proxes 4 is the natural choice for those car enthusiasts looking for the ultimate upgrade or conversion option.

WHEEL SIZE	LOAD/SPEED INDEX	OVERALL DIA (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	REVOLUTION PER MILE	PERMITTED RIMS (INCH)
<b>15"</b>						
195/50 R15	86V RF	579	196	268	911	5.5 - 7.0
195/45 R15	78V	608	194	285	868	6.0 - 7.5
<b>16"</b>						
195/45 R16	84V RF	583	194	272	905	6.0 - 7.5
195/40 R16	80V RF	563	204	264	937	6.5 - 7.5
205/40 R16	83W RF	571	218	267	924	7.0 - 8.0
215/40 R16	86W RF	576	222	269	916	7.0 - 8.5
<b>17"</b>						
195/45 R17	85W RF	608	194	285	868	6.0 - 7.5
205/45 R17	88W RF	619	211	289	852	6.5 - 7.5
215/45 R17	91W RF	629	214	293	839	7.0 - 8.0
225/45 R17	94W RF	637	226	296	828	7.0 - 8.5
195/40 R17	81W RF	587	203	276	899	6.5 - 7.5
205/40ZR17	84W RF	598	218	281	882	7.0 - 8.0
215/40 R17	87W RF	607	225	284	869	7.0 - 8.5
<b>18"</b>						
225/45 R18	95W RF	658	222	307	802	7.0 - 8.5
205/40 R18	86W RF	623	218	293	847	7.0 - 8.0
215/40 R18	89W RF	629	221	296	839	7.0 - 8.5
225/40 R18	92W RF	638	230	299	827	7.5 - 9.0
215/35ZR18	84W RF	610	218	288	865	7.0 - 8.5
<b>19"</b>						
215/35 R19	85W RF	632	218	300	835	7.0 - 8.5
235/35 R19	91Y RF	647	238	305	816	8.0 - 9.0
<b>20"</b>						
225/35ZR20	90W RF	671	228	318	786	7.5 - 9.0



## PROXES CF1

The Proxes CF1 has been developed for modern high performing family cars. This tyre provides excellent handling from its asymmetric pattern improving the overall ride comfort. Performance advances have been made with the Proxes CF1 to ensure better road holding, comfort and increased mileage.

WHEEL SIZE	LOAD/SPEED INDEX	OVERALL DIA (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	PERMITTED RIM (INCH)
<b>13"</b>					
165/65 R13	77H (R610)	544	164	248	4.5 - 6.0
175/60 R13	77H	541	173	247	5.0 - 6.0
185/60 R13	80H	552	186	252	5.0 - 6.5
205/60 R13	86H (R610)	576	207	261	5.5 - 7.5
185/55 R13	77H (R610)	532	190	244	5.0 - 6.5
<b>14"</b>					
175/65 R14	82H	584	176	267	5.0 - 6.0
185/65 R14	86H	595	187	271	5.0 - 6.5
185/65 R14	86V	595	187	271	5.0 - 6.5
195/65 R14	89H	609	196	277	5.5 - 7.0
195/65 R14	89V	609	196	277	5.5 - 7.0
165/60 R14	75H	554	166	255	4.5 - 6.0
175/60 R14	79H	566	173	260	5.0 - 6.0
185/60 R14	82H	578	186	265	5.0 - 6.5
185/60 R14	82V	578	186	265	5.0 - 6.5
195/60 R14	86H	591	195	270	5.5 - 7.0
195/60 R14	86V	591	195	270	5.5 - 7.0
185/55 R14	80H	560	188	257	5.0 - 6.5
185/50 R14	77H	546	185	252	5.0 - 6.5
<b>15"</b>					
175/65 R15	84H	609	175	279	5.0 - 6.0
185/65 R15	88H	620	184	284	5.0 - 6.5
185/65 R15	88V	620	184	284	5.0 - 6.5
195/65 R15	91H	635	196	290	5.5 - 7.0
195/65 R15	91V	635	196	290	5.5 - 7.0
195/65 R15	95H RF	635	196	290	5.5 - 7.0
205/65 R15	95H	647	204	294	5.5 - 7.5
205/65 R15	95V	647	204	294	5.5 - 7.5
205/65 R15	99H RF	647	204	294	5.5 - 7.5
215/65 R15	96H (R610)	660	217	299	6.0 - 7.5
175/60 R15	81V	591	173	272	5.0 - 6.0
185/60 R15	84H	604	186	277	5.0 - 6.5
185/60 R15	88H RF	604	186	277	5.0 - 6.5
195/60 R15	88H	616	195	282	5.5 - 7.0
195/60 R15	88V	616	195	282	5.5 - 7.0
205/60 R15	91H	626	208	286	5.5 - 7.5
205/60 R15	95H RF	626	203	286	5.5 - 7.5
205/60 R15	91V	626	208	286	5.5 - 7.5
215/60 R15	98V RF	640	218	292	6.0 - 7.5
225/60ZR15	96W	650	225	295	6.0 - 8.0
195/50 R15	82H	578	197	267	5.5 - 7.0
205/50 R15	86H	586	210	270	5.5 - 7.5

WHEEL SIZE	LOAD/SPEED INDEX	OVERALL DIA (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	PERMITTED RIM (INCH)
<b>16"</b>					
215/65 R16	98W	686	220	312	6.0 - 7.5
215/65 R16C	106/104H	687	223	312	6.0 - 7.0
185/60 R16	86V	629	185	290	5.0 - 6.5
195/60 R16C	99/97H	642	195	250	5.5 - 6.5
205/60 R16	92V	652	206	299	5.5 - 7.5
205/60 R16	96V RF	652	206	299	5.5 - 7.5
215/60 R16	99H RF	665	218	304	6.0 - 7.5
225/60 R16	98W	676	226	308	6.0 - 8.0
235/60 R16	100W	688	239	313	6.5 - 8.5
235/60 R16	104H RF	688	239	313	6.5 - 8.5
205/55 R16	91H	630	207	290	5.5 - 7.5
205/55 R16	94H RF	630	207	290	5.5 - 7.5
205/55 R16	91V	630	207	290	5.5 - 7.5
205/55 R16	94V RF	630	207	290	5.5 - 7.5
215/55 R16	93V	642	223	295	6.0 - 7.5
215/55 R16	97V RF	644	223	296	6.0 - 7.5
225/55 R16	96V	650	230	298	6.0 - 8.0
225/55 R16	99V RF	651	227	299	6.0 - 8.0
195/50 R16	88V RF	602	201	279	5.5 - 7.0
205/50 R16	87V	611	210	283	5.5 - 7.5
225/50 R16	92W	631	233	291	6.0 - 8.0
<b>17"</b>					
225/65 R17	102H	726	226	331	6.0 - 8.0
215/60 R17	96H	690	217	317	6.0 - 7.5
235/60 R17	102H	715	238	326	6.5 - 8.5
205/55 R17	91V	658	203	304	5.5 - 7.5
215/55 R17	98W RF	670	220	309	6.0 - 7.5
225/55 R17	101W RD	681	228	313	6.0 - 8.0
235/55 R17	99H	689	241	316	6.5 - 8.5
235/55ZR17	103W RF	690	238	317	6.5 - 8.5
205/50 R17	93W RD	645	210	299	5.5 - 7.5
225/50 R17	94W	660	229	305	6.0 - 8.0
215/45 R17	87W	625	212	291	7.0 - 8.0
225/45 R17	94W RD	634	222	295	7.0 - 8.5
235/45 R17	94W	643	239	298	7.5 - 9.0
245/40 R17	91W	627	247	292	8.0 - 9.5
<b>18"</b>					
225/60ZR18	100W	729	226	335	6.0 - 8.0
225/55 R18	98V	707	228	326	6.0 - 8.0



**350** The Toyo 350 is the new entry level tyre developed for specifically for small and medium sized cars.

Featuring a new clean-cut tread appearance, this tyre offers improved safety, particularly in the wet, better fuel efficiency and higher mileages.

It is available in a range of 12", 13", 14" & 15" sizes.

WHEEL SIZE	LOAD/SPEED INDEX	OVERALL DIA. (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	PERMITTED RIM (INCH)
<b>12"</b>					
135/80 R12	68T (330)	519	131	236	3.5-4.5
145/80 R12	74T (330)	536	142	243	3.5-5.0
155/80 R12	77T (330)	552	153	249	4.0-5.0
145/70 R12	69T (330)	508	146	232	4.0-5.0
<b>13"</b>					
135/80 R13	70T (330)	544	131	248	3.5-4.5
145/80 R13	75T	560	141	255	3.5-5.0
155/80 R13	79T	577	155	261	4.0-5.0
165/80 R13	83T	593	163	268	4.0-5.5
165/80 R13	87R RF	593	163	231	4.0-5.5
175/80 R13	86T (310)	608	175	274	4.5-6.0
145/70 R13	71T (330)	533	146	244	3.5-5.0
155/70 R13	75T	546	153	249	4.0-5.0
165/70 R13	79T	560	165	255	4.0-5.5
175/70 R13	82T	575	172	261	4.5-6.0
185/70 R13	86T	590	185	266	4.5-6.0
155/65 R13	73T	531	151	243	4.5-5.5
165/65 R13	77T	542	165	248	4.5-6.0
175/65 R13	80T	555	173	253	5.0-6.0
<b>14"</b>					
155/80 R14	80S (310)	605	156	275	4.0-5.0
175/80 R14	88T	636	170	287	4.5-6.0
185/80 R14	91T (330)	652	183	293	4.5-6.0
185/80 R14	95R RF (330)	652	183	293	4.5-6.0
165/70 R14	85T RF	586	167	268	4.0-5.5
175/70 R14	84T	599	172	273	4.5-6.0
175/70 R14	88T RF	598	175	272	4.5-6.0
185/70 R14	88T	616	185	279	4.5-6.0
195/70 R14	91T	631	195	285	5.0-6.5
205/70 R14	95T (330)	642	204	289	5.0-7.0
155/65 R14	75T	556	150	256	4.5-5.5
165/65 R14	79T	567	166	260	4.5-6.0
175/65 R14	82T	583	170	266	5.0-6.0
175/65 R14	86T RF	580	173	265	5.0-6.0
185/65 R14	86T	593	186	270	5.0-6.5
195/65 R14	89T	609	195	277	5.5-7.0
165/60 R14	75T	554	167	255	4.5-6.0
<b>15"</b>					
135/80 R15	72S (310)	599	136	275	3.5-4.5
155/80 R15	82S (310)	631	156	289	4.0-5.0
165/80 R15	87T (330)	644	162	293	4.0-5.5
195/70 R15	97S RF (330)	654	198	297	5.0-6.5
165/65 R15	81T	592	166	273	4.5-6.0
175/65 R15	84T	606	176	278	5.0-6.0
185/65 R15	88T	620	184	284	5.0-6.5
185/65 R15	92T RF	619	185	283	5.0-6.5
195/65 R15	91T	635	194	290	5.5-7.0
195/65 R15	95T XL	634	195	289	5.5-7.0

**TEO+** For those faster compact cars, the TEO+ extends all the characteristics that you would expect from Toyo but now with much wider appeal.

WHEEL SIZE	LOAD/SPEED INDEX	TREAD DEPTH (MM)	OVERALL DIA. (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	PERMITTED RIM (INCH)
<b>13"</b>						
165/70 R13	79H	7.6	558	167	254	4.0-5.5
175/70 R13	82H	7.8	573	174	260	4.5-6.0
185/70 R13	86H	7.9	586	185	265	4.5-6.0
<b>14"</b>						
175/70 R14	84H	7.8	599	174	273	4.5-6.0
185/70 R14	88H	7.9	612	185	278	4.5-6.0
195/70 R14	91H	8.0	627	196	284	5.0-6.5
205/70 R14	95H	8.1	641	204	289	5.0-7.0



**temporary use spares:**  
comprehensive range available  
please contact toyo on  
**01933 411 144**

**original equipment:**

**PROXES R32**  
this tyre is original equipment for  
**lexus IS 250 SE / 220d SE**  
**225/45 R17 90V, 245/45 R17 95V**

Original equipment on the Lexus IS 250 SE and IS 220d SE. Proxes R32 gives a quiet comfortable ride even at speed.

**TRANPATH TAJ48**  
this tyre is original equipment for  
**mazda 5 205/55 R16 91V**

Designed specifically for the requirements of the Mazda 5 MPV, the tranpath TAJ48 is a quiet, long lasting tyre which offers the driver a very comfortable ride.

**TRANPATH TA23**  
this tyre is original equipment for  
**mazda premacy 195/55 r15 85V**

Designed specifically for the requirement of Mazda's Premacy MPV, the Tranpath TA23 mixes strong dynamic capabilities with excellent ride comfort and low noise.

**TRANPATH J38**  
this tyre is original equipment for  
**mazda premacy 185/65 r14 86t**

Designed specifically for the requirements of Mazda's Premacy MPV, the Tranpath J38 gives high mileage and an excellent ride.

**TOYO 600-J28**  
this tyre is original equipment for  
**mazda 323 185/65r14 86h**

Designed specifically for the requirements of Mazda's 323, the Toyo 600- J28 mixes a smooth ride, with low noise levels and exceptional mileage.





You don't need snow to appreciate the spectacular benefits of Toyo's specially developed winter tyres; slush, ice, mud and even your average December downpour will prove the worth of tyres dedicated to keeping you on the move whatever the conditions, especially if you live in a remote region. Toyo's range of computer-optimised winter tyres comes in a wide variety of sizes to suit all sorts of cars, including high performance models.

## SNOWPROX S952

Snowprox S952 is the new tyre designed for the British winter. Even without snow, Snowprox outperforms normal tyres when it's cold. Its silica-rich rubber compound provides confidence inspiring road holding, handling and stability.

WHEEL SIZE	LOAD/SPEED INDEX	OVERALL DIA (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	PERMITTED RIMS (INCH)
<b>15"</b>					
185/55 R15	82H	585	194	270	5.0-6.5
195/55 R15	85H	595	200	274	5.5-7.0
195/55 R15	89H RF	595	197	274	5.5-7.0
205/55 R15	88H	608	215	279	5.5-7.5
195/50 R15	82H	578	196	267	5.5-7.0
205/50 R15	86H	588	210	271	5.5-7.5
<b>16"</b>					
195/55 R16	87H	622	197	287	5.5-7.0
205/55 R16	91H	634	215	292	5.5-7.5
205/55 R16	94H RF	634	215	292	5.5-7.5
215/55 R16	93H	644	227	296	6.0-7.5
215/55 R16	97H RF	644	227	296	6.0-7.5
225/55 R16	95H	655	234	300	6.0-8.0
225/55 R16	99V RF	654	236	300	6.0-8.0
205/50 R16	91H RF	613	210	284	5.5-7.5
225/50 R16	92H	633	228	292	6.0-8.0
195/45 R16	80H	584	191	273	6.0-7.5
205/45 R16	87H RF	592	204	276	6.5-7.5
225/45 R16	93H RF	610	223	283	7.0-8.5
215/40 R16	86H RF	580	216	271	7.0-8.5
<b>17"</b>					
225/60 R17	99V	705	229	322	6.0-8.0
225/55 R17	97H	683	234	314	6.0-8.0
225/55 R17	101V RF	684	232	314	6.0-8.0
215/55 R17	98V RF	670	226	309	6.0-7.5
205/50 R17	89H	640	210	297	5.5-7.5
205/50 R17	93V RF	642	209	298	5.5-7.5
215/50 R17	95V RF	648	221	300	6.0-7.5
225/50 R17	98V RF	660	227	305	6.0-8.0
205/45 R17	88H RF	618	204	289	6.5-7.5
215/45 R17	91H RF	628	212	292	7.0-8.0
225/45 R17	91H	635	223	295	7.0-8.5
225/45 R17	94V RF	635	223	295	7.0-8.5
235/45 R17	97V RF	645	235	299	7.5-9.0
245/45 R17	99V RF	652	241	302	7.5-9.0
255/40 R17	98V RF	638	258	296	8.5-10.0
<b>18"</b>					
225/60 R18	100H	732	230	336	6.0-8.0
225/40 R18	92V RF	639	226	300	7.5-9.0
235/40 R18	95V RF	646	238	302	8.0-9.5
245/40 R18	97V RF	658	244	307	8.0-9.5

For safety and stability, winter tyres should always be fitted in sets of four

## SNOWPROX S942

Snowprox S942 is the new stylish, functional winter tyre for optimum performance in all kinds of wintry conditions, from wet and slippery to snow and ice. An asymmetrical tread pattern with silica compound delivers better traction, braking and high-speed stability.

WHEEL SIZE	LOAD/SPEED INDEX	OVERALL DIA (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	PERMITTED RIMS (INCH)
<b>13"</b>					
145/80 R13	750	562	136	256	3.5-5.0
155/80 R13	79T	576	154	261	4.0-5.0
155/70 R13	75T	549	154	250	4.0-5.0
165/70 R13	79T	563	166	256	4.0-5.5
175/70 R13	82T	577	176	261	4.5-6.0
185/70 R13	86T (S940)	590	186	266	4.5-6.0
165/65 R13	77T	543	163	248	4.5-6.0
<b>14"</b>					
175/80 R14	88T	636	174	287	4.5-6.0
165/70 R14	85T XL	589	166	269	4.0-5.5
175/70 R14	88T XL	604	174	275	4.5-6.0
185/70 R14	88T	619	185	281	4.5-6.0
195/70 R14	95T XL	631	196	285	5.0-6.5
205/70 R14	95T (S940)	644	205	290	5.0-7.0
165/65 R14	79T	572	166	262	4.5-6.0
175/65 R14	86T XL	584	174	267	5.0-6.0
185/65 R14	86T	597	187	272	5.0-6.5
195/65 R14	89T	609	199	276	5.5-7.0
185/60 R14	82H	578	184	265	5.0-6.5
195/60 R14	86H	589	197	269	5.5-7.0
<b>15"</b>					
175/65 R15	88T XL	609	173	279	5.0-6.0
185/65 R15	92T XL	621	188	284	5.0-6.5
185/65 R15	89H	621	188	284	5.0-6.5
195/65 R15	91T	632	203	288	5.5-7.0
195/65 R15	95T XL	632	203	288	5.5-7.0
195/65 R15	91H	632	203	288	5.5-7.0
205/65 R15	94T	648	204	295	5.5-7.5
205/65 R15	99T XL	648	204	295	5.5-7.5
205/65 R15	94H	648	204	295	5.5-7.5
215/65 R15	96H	659	222	299	6.0-7.5
155/60 R15	74T				4.5-5.5
175/60 R15	81H	592	183	273	5.0-6.0
185/60 R15	84H	604	181	277	5.0-6.5
186/60 R15	88H XL	603	183	277	5.0-6.5
195/60 R15	88H	614	197	281	5.5-7.0
205/60 R15	95H XL	627	203	286	5.5-7.5
215/60 R15	98H XL	640	217	292	6.0-7.5
225/60 R15	96H	651	225	296	6.0-8.0
175/55 R15	77T	576	176	267	5.0-6.0
<b>16"</b>					
215/65 R16	98H	686	221	312	6.0-7.5
215/65 R16C	106/104H	687	220	288	6.0-7.0
185/60 R16	86H	630	180	291	5.0-6.5
195/60 R16C	99/97H	641	196	250	5.5-6.5
205/60 R16	92H	653	207	299	5.5-7.5
205/60 R16	96H XL	653	207	299	5.5-7.5
215/60 R16	99H XL	665	218	304	6.0-7.5
225/60 R16	102H XL	676	226	308	6.0-8.0
235/60 R16	104H XL	689	239	313	6.5-8.5

For safety and stability, winter tyres should always be fitted in sets of four

## SNOWPROX S930

Ready to tackle mixed winter conditions, the S930 is available in a range of 80-series, making it ideal for smaller hatchbacks and saloons. As with all Toyo's winter tyres, its tread pattern has been designed to give exceptional grip and traction in rain or snow, while at the same time offering great handling characteristics, low noise levels and low rolling resistance for improved fuel economy.

WHEEL SIZE	LOAD/SPEED INDEX	OVERALL DIA (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	PERMITTED RIMS (INCH)
<b>12"</b>					
145/80 R12	74Q	536	143	243	3.5-5.0
155/80 R12	77Q	552	155	249	4.0-5.0
<b>13"</b>					
135/80 R13	70Q	544	132	248	3.5-4.5
145/80 R13	75Q	561	142	255	3.5-5.0
155/80 R13	79Q	577	155	261	4.0-5.0
165/80 R13	83Q	593	161	268	4.0-5.5
<b>14"</b>					
165/80 R14	85Q	619	161	281	4.0-5.5
175/80 R14	88Q	635	175	287	4.5-6.0
185/80 R14	91Q	651	183	293	4.5-6.0
185/80 R14	95Q RF	651	183	293	4.5-6.0

For safety and stability, winter tyres should always be fitted in sets of four





If most of your mileage is on the road but sometimes you need the extra mobility of a true off-roader, Open Country A/T is the tyre for you. It has a rugged pattern for superior off-road traction when you need it, but this all terrain tyre shines on road too.

With excellent wet braking and traction, high ride comfort and outstanding tyre life, the Open Country A/T is the off road tyre that thinks it's a road tyre. Unbelievable is how this tyre's performance could be described with its combination of handling, comfort and stability both on and off the road.



**OPEN COUNTRY A/T**

The rugged Open Country A/T offers superior traction in off road conditions. Open Country A/T gives aggressive wet and snow traction with exceptional mileage for pickups, vans and sports utility vehicles. This all-terrain radial delivers outstanding handling, on and off road stability and ride comfort.

WHEEL SIZE	LOAD/ SPEED INDEX	SIDEWALL	OVERALL DIA. WIDTH (MM)	OVERALL RADIUS (MM)	STATIC RIMS (MM)	PERMITTED (INCH)
<b>14"</b>						
P225/70 R	98S	WO	676	226	303	6.0-7.5
<b>15"</b>						
195 R	94S (785)	BL	692	198	310	5.0-6.5
215 R	100S (785)	BL	722	219	321	5.5-7.0
P205/75 R	97S	WO	691	206	311	5.0-7.0
P215/75 R	100S	WO	703	219	316	5.5-7.0
P225/75 R	102S	WO	721	225	323	6.0-7.5
P235/75 R	105S	WO	734	239	328	6.0-8.0
P235/75 R	108S	WO	735	239	337	6.0-8.0
LT235/75 R	104/101S	WO	731	235	327	6.0-7.0
P265/75 R	112S	WO	779	261	346	7.0-9.0
P225/70 R	100T	WO	700	226	315	6.0-7.5
P235/70 R	102S	WO	710	235	319	6.0-8.0
255/70 R	112S	BL	739	260	330	7.0-8.0
P265/70 R	110S	BL	753	265	336	7.0-9.0
30X9.50 R	104S	WO	746	245	333	6.5-8.5
31X10.50 R	109S	WO	771	273	343	7.0-9.0
33X12.50 R	108Q	BL	828	317	365	8.5-11.0
35X12.50 R	113Q	BL	877	322	384	8.5-11.0
<b>16"</b>						
205 R16	104S (785)	BL	737	207	342	5.0-7.0
LT215/85 R	110/107Q	BL	774	218	347	5.5-7.0
LT215/85 R	115/112Q	BL	774	218	347	5.5-7.0
LT235/85 R	120/116Q	BL	808	239	360	6.0-7.5
P225/75 R	104S	BL	747	226	336	6.0-7.5
LT225/75 R	115/112Q	BL	742	225	334	6.0-7.5
LT225/75 R	110/107Q	BL	742	225	334	6.0-7.0
P235/75 R	106T	WO	759	236	341	6.0-8.0
P245/75 R	109S	WO	775	250	347	6.5-8.0
LT245/75 R	108S	WO	770	250	345	6.5-8.0
LT245/75 R	120/116Q	WO	772	246	346	6.5-7.5
P265/75 R	114S	WO	804	261	358	7.0-9.0
LT265/75 R	112/109S	WO	802	266	357	7.0-8.0
LT265/75 R	119/116Q	WO	802	266	357	7.0-8.0
LT315/75 R	121Q	WO	877	319	387	8.0-10.0
P215/70 R	98S	BL	711	218	322	5.5-7.0
P225/70 R	101S	WO	726	226	328	6.0-7.5
225/70 R	102S	WO	726	226	328	6.0-7.5
P235/70 R	104T	WO	736	235	332	6.0-8.0
P245/70 R	106S	WO	745	243	335	6.5-8.0
245/70 R	111S XL	WO	746	249	336	6.5-8.0
P255/70 R	109S	WO	764	247	343	6.5-8.5
P265/70 R	111T	WO	781	257	349	7.0-9.0
P265/70 R	112T	WO	781	257	349	7.0-9.0
LT265/70 R	117S	WO	776	272	348	7.0-8.5
P275/70 R	114H	BL	791	278	353	7.0-9.0
255/65 R	109H	BL	745	254	335	7.0-9.0
LT365/65 R	125R	BL	886	368	390	10.0-11.0



LT235/80 R	120S	WO	806	235	362	6.0-7.5
P235/75 R	108S	WO	784	236	353	6.0-8.0
P245/75 R	110S	WO	799	250	359	6.5-8.0
LT245/75 R	121S	WO	799	251	359	6.5-7.5
P255/75 R	113S	WO	815	253	365	6.5-7.5
LT285/75 R	128S	WO	860	286	383	7.5-9.5
P235/70 R	108S RF	WO	760	243	344	6.0-8.0
P245/70 R	108S	WO	776	248	350	6.5-8.0
LT245/70 R	119S	BL	775	247	350	6.0 - 8.0
P255/70 R	110S	WO	790	259	356	6.5-8.5
P265/70 R	113S	WO	802	274	360	7.0-9.0
P265/70 R	110T	WO	802	274	360	7.0-9.0
LT265/70 R	121S	WO	804	272	361	7.0-8.5
P285/70 R	117T	WO	830	290	371	7.0-9.5
LT285/70 R	121S	WO	830	288	371	7.5-9.0
LT285/70 R	126S	WO	830	291	371	7.5-9.0
LT325/70 R	122R	BL	886	330	393	8.5-11.0
LT355/70 R	127R	BL	928	360	409	9.5-11.0
225/65 R	102H	WO	724	226	330	6.0-8.0
P235/65 R	103H	WO	736	239	335	6.5-8.5
P245/65 R	105T	WO	749	245	340	7.5-8.5
245/65 R	111H RF	BL	750	246	340	7.0-8.5
P255/65 R	108S	WO	765	253	346	7.0-9.0
255/65 R	110H	WO	767	260	347	7.0-9.0
265/65 R	112S	WO	775	270	350	7.5-9.5
275/65 R	115T	BL	788	280	355	7.5-9.5
235/60 R	102H	BL	714	240	326	6.5-8.5
P275/60 R	110T	WO	760	282	344	7.5-9.5

<b>17"</b>						
LT285/75 R	129S	BL	884	287	395	7.5-9.0
P255/70 R	112T	BL	816	261	368	6.5-8.5
P265/70 R	114S	WO	829	272	374	7.0-9.0
LT275/70 R	125S	WO	840	279	378	7.0-8.5
P275/65 R	114T	WO	815	280	368	7.0-9.5
P265/65 R	112S	BL	803	269	363	7.5-9.5
LT275/65 R	123S	WO	813	279	367	7.5-9.0
LT285/65 R	125S	BL	825	290	372	8.0-10.0
LT325/65 R	121R	BL	886	330	396	9.0-10.0
LT355/65 R	125R	BL	932	356	414	10.0-11.0
P265/60 R	109S	BL	777	272	353	7.5-9.5
285/60 R	120S RF	BL	798	292	360	8.0-10.0
LT325/60 R	119S	BL	839	320	378	9.5-10.5
255/55 R	109H RF	BL	737	262	338	7.0-9.0

<b>20"</b>						
P275/60 R	114T	WO	835	279	382	7.5-9.5
LT305/60 R	123S	BL	872	319	396	8.5-11.0
LT325/60 R	121R	BL	893	327	404	9.5-10.5
LT305/55 R	121S	BL	844	316	385	9.0-10.0
285/50 R	116T RF	BL	795	293	366	8.0-10.0

<b>22"</b>						
LT285/50 R	121S	BL	843	292	390	8.0-10.0
LT305/50 R	119S	BL	862	315	398	8.0-11.0
LT325/50 R	122R	BL	885	329	407	9.5-10.5
305/45 R	118S	BL	829	302	385	9.5-11.5

<b>24"</b>						
LT325/50 R	124R	BL	933	325	431	9.0-12.0

4x4 on & off road and original equipment patterns:

**OPEN COUNTRY M/T**



Open Country M/T has been designed for 4x4 vehicles which need to tackle wet muddy conditions. The tread blocks produce powerful traction enabling the vehicle to drive out of heavy mud. On road it provides precise handling and comfort.

WHEEL SIZE	LOAD/SPEED INDEX	OVERALL DIA. (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	PERMITTED RIM (INCH)
<b>16"</b>					
LT235/85 R	120/116P	813	240	378	6.0-7.5
LT255/85 R	123/120P	851	260	396	6.5-8.0
LT245/75 R	120/116P	782	253	364	6.5-8.0
LT265/75 R	123/120P	810	275	377	7.0-8.0



**TRANPATH TAA 14/11**

These tyres are original equipment for the **Toyota RAV4** 215/70R16 99H TAA14 (including its optional alloy wheels 235/60R16 100H TAA11) and the **Nissan X-Trail** 215/70R15 98S TAA14. The Tranpath TAA is smooth riding, quiet running and an outstanding all-round performer.



**TRANPATH A11**

This tyre is an exclusive design used as standard equipment on the luxurious **Lexus RX300** 215/70R16 100T. The quiet-running Tranpath A11 combines excellent road-holding and high-speed stability with comfortable ride quality.



**OPEN COUNTRY A20A**

This tyre is original equipment for the **Nissan X-Trail** 215/55R18 95H. The A20A provides a highly comfortable ride with low noise levels and low fuel consumption. It also has excellent snow performance and great braking ability.



**OPEN COUNTRY W/T**

Open Country W/T is the latest winter 4x4 tyre designed to offer maximum grip in cold and wet conditions. The asymmetric tread pattern gives the tyre both great handling and good traction on slippery roads. The silica based compounds in the tread also offer enhanced braking on wet roads and work particularly well on vehicles equipped with ABS. As a result, Open Country W/T is the perfect tyre for 4x4 vehicles used on British roads during winter.

WHEEL SIZE	LOAD/SPEED INDEX	OVERALL DIA. (MM)	OVERALL WIDTH (MM)	STATIC RADIUS (MM)	PERMITTED RIMS (INCH)
<b>15"</b>					
205/70 R	96T	668	210	302	5.0-7.0
215/70 R	95T	682	224	308	5.5-7.0
<b>16"</b>					
225/75 R	104T	743	224	334	6.0-7.5
215/70 R	100T	707	222	320	5.5-7.0
235/70 R	106T/H	738	243	333	6.0-8.0
245/70 R	107T/H	750	248	337	6.5-8.0
255/70 R	111T	768	261	344	6.5-8.5
265/70 R	112T/H	778	272	348	7.0-9.0
205/65 R	95H	670	209	306	5.5-7.5
215/65 R	98H	685	220	312	6.0-7.5
235/60 R	100H	687	240	313	6.5-8.5
<b>17"</b>					
225/65 R	102H	723	229	329	6.0-8.0
235/65 R	104H	737	237	335	6.5-8.5
235/65 R	108V RF	737	240	335	6.5-8.5
255/65 R	110H	765	262	346	7.0-9.0
215/60 R	96V	686	215	315	6.0-7.5
235/60 R	102H	*	***		
255/60 R	106H	736	262	335	7.0-9.0
235/55 R	99H	693	242	318	6.5-8.5
235/55 R	103V RF	693	242	318	6.5-8.5
275/55 R	109H	733	283	333	7.5-9.5
255/50 R	101V	688	259	316	7.0-9.0
<b>18"</b>					
225/65 R	103H	748	227	342	6.0-8.0
235/60 R	103H	738	240	338	6.5-8.5
235/60 R	107V RF	738	240	338	6.5-8.5
265/60 R	110H	775	272	352	7.0-9.0
215/55 R	95H	691	219	320	6.0-7.5
225/55 R	98V	706	230	326	6.0-8.0
255/55 R	109H/V RF	735	263	337	7.0-9.0
235/50 R	97H	693	240	321	6.5-8.5
235/50 R	101V RF	693	240	321	6.5-8.5
245/45 R	100H RF	680	244	315	7.5-9.0
<b>19"</b>					
255/50 R	107V RF	740	257	342	7.0-9.0
<b>20"</b>					
275/45 R	110V RF	756	271	351	8.5-10.5
275/40 R	106V RF	731	270	341	9.0-11.0
295/40 R	110V RF	742	298	345	10.0-11.5







It's easy to take your tyres for granted. Out of sight for much of the time, they can also slip out of mind. But tyres are crucial to your driving safety – they're the sole point of contact between your car and the road surface – so it doesn't pay to take chances with them.

Just like your car's oil and water, you should check your tyres on a regular basis, at least once a fortnight. And not just to see if they've worn through to the canvas yet! You need to check if the pressures are right, that there are no obvious signs of damage to the sidewalls or tread, and that the valves and valve caps are in good condition.

We've compiled this brief but vital guide to looking after the health of your tyres. There may seem to be a lot to check over, but in reality it shouldn't take you more than a few minutes. And what's a few minutes when your life, and that of your family, could be at stake.

#### **Tyre pressures...**

A tyre doesn't have to look flat to be under-inflated, so check its pressure at least once every couple of weeks. If you can, buy a digital pressure gauge from your local car accessories store. You'll find what pressures your car needs in its handbook – if in doubt, ask your local Toyo stockist for help. Pressures will vary depending on how fast you drive and what sort of load you carry in your car, for instance extra luggage load when you're setting off on a family holiday. Remember that pressures should only be checked when your tyres are cold – give them an hour or so to cool down.

#### **...and why they need to be right**

Driving with under-inflated or over-inflated tyres will affect the way your car rides, steers, handles and brakes; it could become very unstable and difficult to drive. Tyre wear will also increase. So not only are the wrong pressures potentially dangerous, they'll hurt your pocket, too.

#### **Tread depth**

The deeper the tread your tyres have, the more grip they'll give, especially in the wet. So although the government's minimum legal tread depth limit is 1.6mm (in the main grooves in the central three-quarters of the tyre), it makes sense to replace your tyres before they get that low.

If you're uncertain how to measure the tread depth, have a word with your friendly local Toyo stockist. Another way to check how your tyres are wearing is to look for the Tread Wear Indicators.

These are the lateral raised rubber strips in the bottom of the tread grooves – when the main tread is at the same level as these, then you've reached the legal minimum.

Not only is it daft to ignore the minimum tyre tread depth, it's illegal; you can be fined up to £2500 for each defective tyre and receive three penalty points for each of them, too. Don't gamble with your life or your bank balance.

#### **Uneven tyre wear and its causes**

Look at the tread on your tyre. Is it evenly worn right across its width? If not, it could be due to under-inflation or over-inflation, which we've already covered. However, if it's worn only around one edge, particularly on the front tyres, it may be because of poor wheel alignment or other mechanical problems.

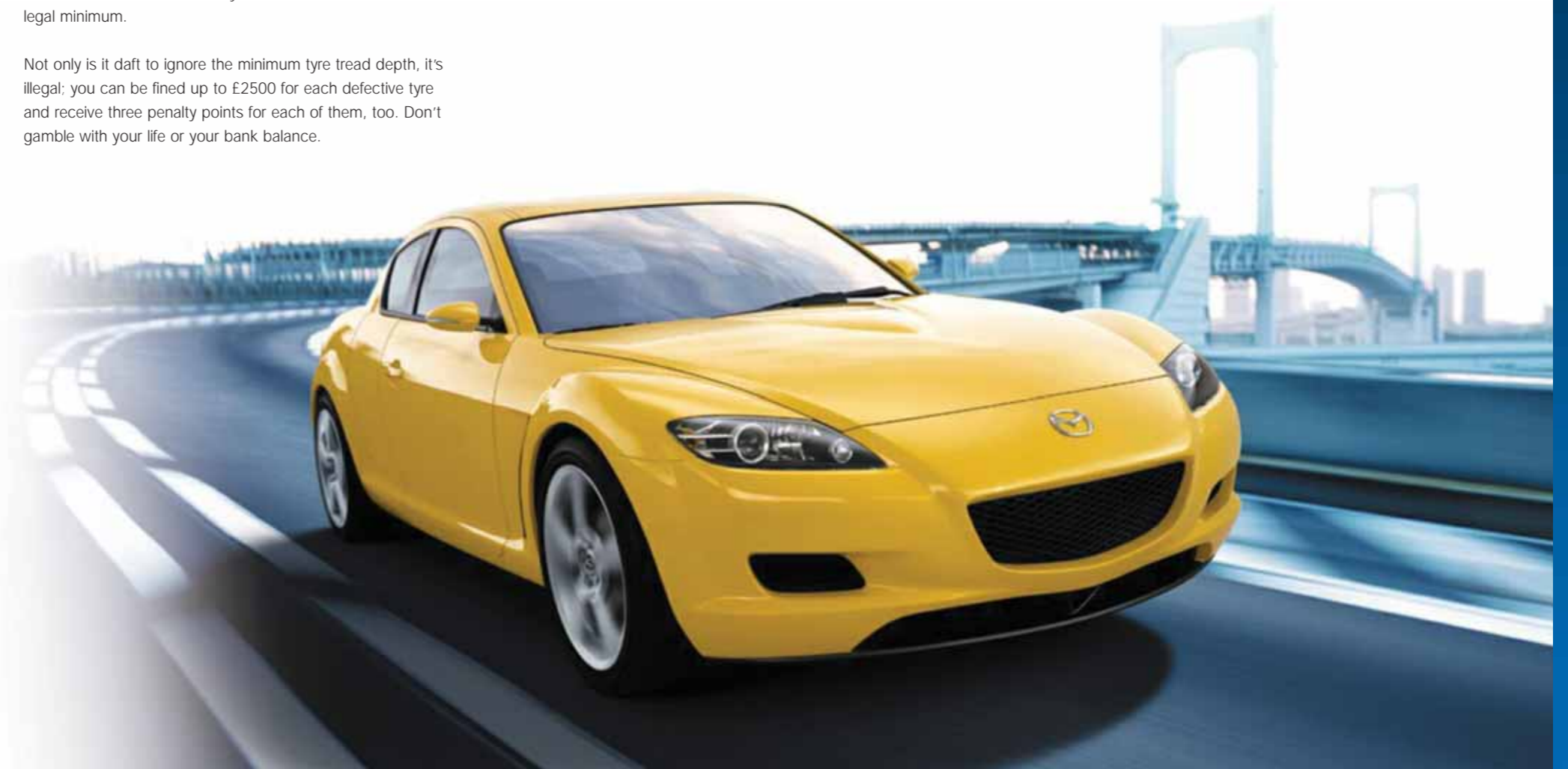
Have a professional garage check out your car's wheel alignment and suspension; if there's a problem with either of these you should have them fixed immediately.

#### **Wheel balancing**

An unbalanced wheel can literally shake your car to bits and cause serious mechanical damage, not to mention being extremely annoying. Reputable tyre dealers will balance your wheels as a matter of course when they replace your tyres, but it never hurts to ask if they've done it. Also make sure they replace the tyre valves and refit the protective dust caps.

#### **Don't forget your spare!**

You may never use it, but always ensure your spare is properly inflated and in good condition. A problem is better discovered in the safety and comfort of your driveway, rather than by the side of a rain-lashed motorway.



# the science of control

the brilliance of Toyo tyres is no mere happy coincidence each year we invest millions of pounds

Through our investment, we ensure that the technology we use to design, develop and test our tyres is the most advanced available. And if we can't find the technology that best suits our needs, then we design our own. All this is with one simple aim in mind – to bring you the very highest quality tyres. To give you an insight into how seriously we take the business of creating tyres, and how sophisticated the technology is behind their design, allow us to introduce you to some of the tools we have at our command.

## 'T MODE' - The Future of Tyre Design

All new tyres start their life these days inside a computer and here at Toyo we have just introduced an important new development in computer-aided tyre design – we call it 'T mode'. It's a hugely complicated and revolutionary system, but in the simplest terms it allows us to simulate the precise behaviour of both a new tyre and the particular vehicle it's fitted to.

That final capability is the most significant aspect of 'T mode'. There are now so many different types of car available, from tiny city cars to huge off-roaders, that tyres need to be tailored specifically for them. We've analysed a wide variety of vehicles in every sort of road and driving conditions – cornering, accelerating, braking, lane-changing, straight-line driving at high speed, on wet, damp and dry surfaces, the car running empty or with a full load – and fed the data into the 'T mode' computers.

The analysis gained from the cars is then integrated with the behavioural patterns of the tyre; Toyo has years of experience in the detailed simulation of tyre behaviour, from the movement of individual sections of tread, to sidewall vibration and stresses, to frictional forces and loadings.

Armed with this combination of data, our engineers can then 'drive' the tyre and car in virtual reality, monitoring the performance of each to see where changes in the design of the tyre could be made. Not only does this considerably speed up the development process, it allows our engineers the freedom to exercise their creativity, try out new ideas, in ways not previously possible.

The end result? Even higher quality tyres tailored more closely to your needs and those of your car.



# tyre talk

The writing on the sidewall of your Toyo tyre can tell you everything you need to know about its specification, from where it was made to its speed and weight loadings. It might look a bit daunting at a glance, but follow our simple guide below and you'll soon understand what it all means – we've also included useful reference tables for you to establish the critical details of your own tyres.

## Toyo Proxes T1-R 225/45ZR17 94Y RF



## Symbol Guide Normal Use

SPEED SYMBOL	SPEED (kph)	SPEED (mph)
<b>Car</b>		
S	180	111.8
T	190	118.1
U	200	124.3
H	210	130.5
V	240	149.1
W	270	167.8
Y	300	186.4
VR	210+	130+
ZR	240+	150+
<b>Winter/Reinforced</b>		
Q	160	99.4
R	170	105.6
<b>Van</b>		
N	140	87.0
P	150	93.2
<b>Truck</b>		
J	100	62.1
K	110	68.4
L	120	74.6
M	130	80.8

## Load Table

Load Index v Load Capacity per wheel in KG

LOAD INDEX	KG	LOAD INDEX	KG	LOAD INDEX	KG
60	250	82	475	104	900
61	257	83	487	105	925
62	265	84	500	106	950
63	272	85	515	107	975
64	280	86	530	108	1000
65	290	87	545	109	1030
66	300	88	560	110	1060
67	307	89	580	111	1090
68	315	90	600	112	1120
69	325	91	615	113	1150
70	335	92	630	114	1180
71	345	93	650	115	1215
72	355	94	670	116	1250
73	365	95	690	117	1285
74	375	96	710	118	1320
75	387	97	730	119	1360
76	400	98	750	120	1400
77	412	99	775	121	1450
78	425	100	800	122	1500
79	437	101	825	123	1550
80	450	102	850	124	1600
81	462	103	875	125	1650

conversion tables:  
**fitting lower profile tyres**

You want to fit lower profile tyres – but which ones are most suitable? To find out, simply look up your original tyre size, take a note of its overall diameter in mm, then find tyres of a lower profile that are approximately (within a few mm) the same diameter.

Try to choose a tyre of an overall diameter closest to that of your original tyre, in order to maintain your car's gearing and the accuracy of its speedometer. The fact that a tyre is of a similar diameter does not necessarily mean it will fit.

80 SERIES	70 SERIES	65 SERIES	60 SERIES	55 SERIES	50 SERIES	45 SERIES	40 SERIES	35 SERIES	30 SERIES
145/80R10 489mm									
135/80R12 522mm									
145/80R12 540mm	155/70R12 524mm	155/65R13 531mm	175/60R13 540mm	185/55R13 534mm		195/45R14 533mm	225/40R14 537mm		
	155/70R13 550mm		185/60R13 552mm			195/45R15 558mm	195/40R16 562mm		
135/80R13 548mm	155/70R13 550mm	165/65R13 544mm	185/60R13 552mm				195/40R16 562mm		
145/80R13 565mm	165/70R13 563mm			195/55R14 571mm		195/45R15 557mm	195/40R16 562mm		
155/80R13 580mm	175/70R13 577mm	175/65R14 583mm	205/60R13 576mm	185/55R15 586mm	195/50R15 577mm	215/45R15 578mm	215/40R16 578mm	245/35R16 578mm	
					205/50R15 587mm	195/45R16 586mm	195/40R16 562mm		
			185/60R14 578mm		185/50R16 583mm	205/45R15 565mm			
185/70R13 596mm	185/65R14 588mm	195/60R14 596mm	195/55R15 590mm	205/50R15 596mm	205/45R16 602mm	225/40R16 589mm	205/35R18 601mm	215/30R18 601mm	
			205/60R14 602mm		195/50R16 602mm		205/40R17 597mm	215/35R19 607mm	
							245/35R16 578mm		
175/80R13 608mm	175/70R14 602mm	195/65R14 609mm	205/60R14 602mm	205/55R15 608mm	225/50R15 608mm	225/45R16 606mm	215/40R17 606mm	215/35R19 607mm	
	185/70R14 614mm		195/60R15 615mm	205/55R16 620mm	205/50R16 613mm		245/35R17 605mm	215/35R18 601mm	
					235/50R15 616mm		205/35R18 601mm		
185/80R13 626mm	195/70R14 632mm	185/65R15 621mm	205/60R15 627mm	205/55R16 631mm	225/50R16 631mm	245/45R16 629mm	235/40R17 629mm	245/35R18 629mm	285/30R18 630mm
				195/55R16 620mm	235/50R15 616mm	215/45R17 626mm	245/40R17 629mm	215/35R19 607mm	215/30R19 612mm
							215/40R18 629mm		
145/80R14 590mm	165/70R14 589mm	175/65R14 583mm	195/60R14 590mm	185/55R15 586mm	205/50R15 587mm	205/45R16 589mm	225/40R16 585mm	205/35R18 601mm	235/30R18 598mm
				195/55R15 596mm			205/40R17 597mm		
155/80R14 605mm	175/70R14 602mm	195/65R14 609mm		205/55R15 608mm	225/50R15 608mm	225/45R16 606mm	205/40R17 607mm	245/35R17 605mm	235/30R18 598mm
		175/65R15 609mm			235/50R15 616mm		215/40R17 607mm	205/35R18 601mm	
							215/35R19 607mm	215/35R18 610mm	
165/80R14 621mm	185/70R14 614mm	185/65R15 621mm	195/60R15 615mm	195/55R16 620mm	235/50R15 616mm	245/45R16 629mm	235/40R17 621mm	225/35R18 619mm	285/30R18 630mm
					205/50R16 613mm		215/35R19 607mm	215/35R19 607mm	215/30R19 612mm
175/80R14 634mm	195/70R14 632mm	195/65R15 634mm	215/60R15 639mm	205/55R16 631mm	225/50R16 631mm	225/45R17 637mm	215/40R18 637mm	245/35R18 629mm	285/30R18 630mm
				195/55R16 620mm	205/50R17 639mm	235/45R17 645mm	225/40R17 629mm	255/35R18 636mm	255/30R19 637mm
					235/50R15 616mm		245/40R17 629mm	225/35R19 641mm	
							255/40R17 636mm		

Continued on next page

**Bear in mind the Following Points:**

1. Check the load capacity and speed rating are suitable for the car
2. Ensure there is adequate clearance from bodywork and mechanical components
3. Make sure the rim size and offset of the wheel are correct for the tyre and car
4. Changing to a lower profile tyre will affect the ride quality and large changes could adversely affect the handling or cause tramlining
5. Ensure the Tyre Pressures are adequate for the Tyre/Vehicle.
6. If in any doubt please consult Toyo Technical Division, your wheel supplier, or your local Toyo Key Dealer
7. If vehicle is equipped with ABS the overall diameter should be closely maintained

This conversion table is based on Toyo and ETRTO Overall Diameters. The suggested conversions are within +2% or -3% of an 80-series tyre.

80 SERIES	70 SERIES	65 SERIES	60 SERIES	55 SERIES	50 SERIES	45 SERIES	40 SERIES	35 SERIES	30 SERIES
185/80R14 650mm	195/70R15 654mm	205/65R15 647mm	225/60R15 650mm	215/55R16 647mm	215/50R17 647mm	245/45R17 654mm	265/40R17 644mm	265/35R18 644mm	285/30R18 630mm
				225/55R16 654mm	235/50R16 643mm	215/45R18 651mm	275/40R17 648mm	275/35R18 650mm	265/30R19 645mm
							235/40R18 645mm	225/35R19 641mm	275/30R19 649mm
							245/40R18 654mm	235/35R19 646mm	285/30R19 655mm
							255/40R18 661mm		245/30R20 656mm
							225/40R19 663mm		
145/80R15 616mm	185/70R14 614mm	185/65R15 621mm	195/60R15 614mm	195/55R16 620mm	235/50R15 616mm	225/45R16 606mm	235/40R17 620mm	245/35R17 605mm	235/30R18 598mm
				205/55R15 603mm	205/50R16 613mm			225/35R18 619mm	
								215/35R18 610mm	
								215/35R19 607mm	
								205/35R18 601mm	
155/80R15 631mm	195/70R14 632mm	195/65R15 634mm	205/60R15 626mm	205/55R16 631mm	225/50R16 631mm	245/45R16 629mm	245/40R17 629mm	245/35R18 629mm	285/30R18 630mm
				195/55R16 620mm	205/50R17 639mm	225/45R17 637mm	215/40R18 629mm	255/35R18 636mm	265/30R19 637mm
					235/50R15 616mm		225/40R18 637mm	225/35R19 641mm	
165/80R15 646mm	205/70R14 644mm	205/65R15 647mm	215/60R15 638mm	215/55R16 647mm	215/50R17 647mm	235/45R17 645mm	265/40R17 644mm	265/35R18 644mm	265/30R19 645mm
					235/50R16 643mm		275/40R17 648mm	275/35R18 650mm	275/30R19 649mm
							235/40R18 645mm	225/35R19 646mm	285/30R19 655mm
								235/35R19 646mm	285/30R18 630mm
									235/30R20 650mm
175/80R15 660mm	215/70R14 658mm	215/65R15 661mm	235/60R15 663mm	225/55R16 654mm	235/50R17 668mm	255/45R17 662mm	245/40R18 654mm	285/35R18 658mm	285/30R19 655mm
						215/45R18 651mm	255/40R18 661mm	295/35R18 664mm	265/30R19 656mm
						225/45R18 659mm	225/40R19 663mm	245/35R19 657mm	245/30R20 656mm
								255/35R19 665mm	
								225/35R19 641mm	
185/80R15 677mm		225/65R16 673mm	225/60R16 676mm	245/55R16 676mm	225/50R17 681mm	245/45R18 679mm	275/40R18 674mm	255/35R18 674mm	275/30R20 677mm
				225/55R17 680mm	235/50R17 668mm		245/40R19 681mm	275/35R19 681mm	285/30R20 677mm
							255/40R18 681mm	285/35R19 683mm	
							225/40R19 663mm	245/35R20 683mm	
195/80R15 693mm		215/65R16 686mm	235/60R16 688mm	225/55R17 680mm	235/50R18 694mm	255/45R18 687mm	285/40R18 685mm	285/35R19 683mm	255/30R21 688mm
							255/40R19 688mm		

Public track days are becoming increasingly popular. Users of these sessions range from the curious to the committed. Toyo is one of the most popular track day tyres as it combines superb grip and handling with other road based benefits such as quiet, comfortable ride and mileage. As well as seriously well prepared road cars with uprated brakes, engines and suspension, a whole new class of track day car has emerged.

These cars are dedicated to maximising the speed and enjoyment of track time and key to this has been the use of Toyo Tires. These manufacturers, such as Marlin, Grinnall, Tiger Racing and English Racing Automobiles have all chosen to use Toyo to enhance the focused nature of their cars.



For information on any of the track cars mentioned please contact the numbers below.

**MARLIN CARS LTD:** (01363) 773772 **Grinnall Scorpion IV:** (01299) 822862 **ERA:** (01733) 271220

**Deronda F400:** (01759) 388094 **Tiger Racing:** (01733) 271131 **DAX:** (01279) 442661

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